

ABOUT US

ELITE PRECISION FITTINGS AND WATER SYSTEMS CORP. is a professional manufacturer of HDPE and PVC pipes and fittings. We employ high-quality pipe extrusion line from BATTENFELD AND KRAUSSMAFFEI, an advanced injection molding machine from Germany, along with other world-class production equipment from U.S. ELITE PRECISION CNC INC. On top of this, we have also gathered a group of professional and technical elites, specializing in the research, development, production and sales of plastic, metal and rubber products. Our company is able to produce 200,000 metric tons of pipes per annum, which allows us to deliver high quality pipes at economical prices to our global customers.

In addition to strong equipment, R&D and product innovation capability, our company attaches great importance to the development, accumulation and upgrading of proprietary and patented technology, which led us to acquire a number of independent intellectual property rights in relevant markets. During the production process, our factory strictly implements national standards, industry standards and overall quality management. We have passed the European CE certification, ROHS certification, ISO9001 quality management system certification, ISO14001: 2004 environmental management system certification, WRAS British water certification, and the United States UL certification.

ELITE PRECISION FITTINGS AND WATER SYSTEMS CORP. has rich experience with HDPE and PVC products spanning more than 20 years. Our products are widely used in civil engineering, oil, energy and natural gas, environment, mining, tunnel, power communication, agriculture and forestry irrigation, urban water supply and drainage, aquaculture and other fields. As a professional supplier, our product range is widely spread from semi-finished products to pipe solutions of the largest diameter in the world. With continuous innovation, our products have met and transcended the challenges of multiple applications. We also provide a complete warranty for every product delivered to our customers. All our products are manufactured and tested under a high-quality standard system, which mostly assures the project safety for our clients.

ELITE PRECISION FITTINGS AND WATER SYSTEMS CORP. takes its mission to be the most reliable and customer-oriented supplier of pipeline solutions in the world seriously and vigorously explores the domestic and overseas markets in doing so. Our products have been exported to Asia, Africa, South America, Oceania and other countries/regions worldwide, earning an outstanding reputation among our customers along the way.

Continuous improvement is the guarantee of high quality and customer satisfaction is our ultimate goal. We believe that our efforts in and dedication to the piping industry will make us a globally influential supplier, capable of providing top-class, cost-effective products along with excellent quality and service.

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HDPE PIPES FOR WATER SUPPLY

Polyethylene water supply and drainage pipes and fittings are plastic pipes commonly used in the transmission dominated by water media-oriented transmission mode. After years of development and research, we have made it possible to achieve pipeline working pressure of 25 bar and more, and we have also developed a set of completed pipeline design, installation, repair and replacement program.



- ✓ Safety of potable water and long-term reliability
- ✓ Resistance to corrosion, tuberculation, deposits
- ✓ Flexibility to speed installations
- ✓ Freeze-break resistance



- ✓ Lightweight, easy to transport
- ✓ Low scrap value, avoiding theft in the job site.
- ✓ Durability and toughness to survive job site installations
- ✓ No flame used for joining, with many fitting and joining option

DIMENSIONS AS PER ISO 4427

DN		SDR41 4BAR	SDR26 6BAR	SDR21 8BAR	SDR17 10BAR	SDR13.6 12.5BAR	SDR11 16BAR	SDR9 20BAR	SDR7.4 25BAR
(MM)	(INCH)	W.T. (MM)	W.T. (MM)	W.T. (MM)	W.T. (MM)	W.T. (MM)	W.T. (MM)	W.T. (MM)	W.T. (MM)
16	1/4						1.6	2.0	2.3
20	1/2						2.0	2.3	3.0
25	3/4					2.0	2.3	3.0	3.5
32	1				2.3	2.4	3.0	3.6	4.4
40	1 1/4				2.4	3.0	3.7	4.5	5.5
50	2			2.4	3.0	3.7	4.6	5.6	6.9
63	2	2.3	2.5	3.0	3.8	4.7	5.8	7.1	8.6
75	2 1/2	2.3	2.9	3.6	4.5	5.6	6.8	8.4	10.3
90	3	2.3	3.5	4.3	5.4	6.7	8.2	10.1	12.3
110	4	2.7	4.2	5.3	6.6	8.1	10.0	12.3	15.1
125	5 1/2	3.1	4.8	6.0	7.4	9.2	11.4	14.0	17.1
140	6	3.5	5.4	6.7	8.3	10.3	12.7	15.7	19.2
160	6	4.0	6.2	7.7	9.5	11.8	14.6	17.9	21.9
180	6	4.4	6.9	8.6	10.7	13.3	16.4	20.1	24.6
200	8	4.9	7.7	9.6	11.9	14.7	18.2	22.4	27.4
225	8	5.5	8.6	10.8	13.4	16.6	20.5	25.2	30.8
250	10	6.2	9.6	11.9	14.8	18.4	22.7	27.9	34.2
280	10	6.9	10.7	13.4	16.6	20.6	25.4	31.3	38.3
315	12	7.7	12.1	15.0	18.7	23.2	28.6	35.2	43.1
355	14	8.7	13.6	16.9	21.1	26.1	32.2	39.7	48.5
400	16	9.8	15.3	19.1	23.7	29.4	36.3	44.7	54.7
450	18	11.0	17.2	21.5	26.7	33.1	40.9	50.3	61.5
500	20	12.3	19.1	23.9	29.7	36.8	45.4	55.8	
560	22	13.7	21.4	26.7	33.2	41.2	50.8	62.5	
630	24	15.4	24.1	30.0	37.4	46.3	57.2	70.3	
710	28	17.4	27.2	33.9	42.1	52.2	64.5	79.3	
800	32	19.6	30.6	38.1	47.4	58.8	72.6	89.3	

DIMENSIONS AS PER ASTM 3035

PRESSURE 3408	RATING	DR7.3 255 PSI	DR9 200 PSI	DR11 160 PSI	DR13.5 128 PSI	DR17 100 PSI	DR21 80 PSI	DR26 65 PSI	DR32.5 50 PSI
PRESSURE 4710	RATING	DR7.3 320 PSI	DR9 252 PSI	DR11 202 PSI	DR13.5 160 PSI	DR17 125 PSI	DR21 100 PSI	DR26 80 PSI	DR 32.5 63 PSI
IPS Pipe Size	Nominal OD (in)	W.T. (in)	W.T. (in)	W.T. (in)	W.T. (in)	W.T. (in)	W.T. (in)	W.T. (in)	W.T. (in)
3/4"	1.050	0.150	0.117	0.095	0.078				
1"	1.315	0.188	0.146	0.120	0.097				
1 1/4"	1.660	0.227	0.184	0.151	0.123				
1 1/2"	1.900	0.260	0.211	0.173	0.141				
2"	2.375	0.325	0.264	0.216	0.176	0.140			
3"	3.500	0.479	0.389	0.318	0.259	0.206			
4"	4.500	0.616	0.500	0.409	0.333	0.265	0.214		
5 3/8"	5.375	0.736	0.597	0.489	0.398	0.316	0.256	0.207	
5"	5.563	0.762	0.618	0.506	0.412	0.327	0.265	0.214	
6"	6.625	0.908	0.736	0.602	0.491	0.390	0.315	0.255	0.204
7 1/8"	7.125	0.976	0.792	0.648	0.528	0.419	0.339	0.274	0.219
8"	8.625	1.182	0.958	0.784	0.639	0.507	0.411	0.332	0.265
10"	10.750	1.473	1.194	0.977	0.796	0.632	0.512	0.413	0.331
12"	12.750	1.747	1.417	1.159	0.944	0.750	0.607	0.490	0.392
13 3/8"	13.375	1.832	1.486	1.216	0.991	0.787	0.637	0.514	0.412
14"	14	1.918	1.556	1.273	1.037	0.824	0.667	0.538	0.431
16"	16	2.192	1.778	1.455	1.185	0.941	0.762	0.615	0.492
18"	18	2.466	2.000	1.636	1.333	1.059	0.857	0.692	0.554
20"	20	2.740	2.222	1.818	1.481	1.176	0.952	0.769	0.615
22"	22	3.014	2.444	2.000	1.630	1.294	1.048	0.846	0.677
24"	24	3.288	2.667	2.182	1.778	1.412	1.143	0.923	0.738
26"	26		2.889	2.364	1.926	1.529	1.238	1.000	0.800
28"	28		3.111	2.545	2.074	1.647	1.333	1.077	0.862
30"	30		3.333	2.727	2.222	1.765	1.429	1.154	0.923
32"	32			2.909	2.370	1.882	1.524	1.231	0.985

HDPE PIPES FOR NATURAL GAS

ELITE PRECISION FITTINGS AND WATER SYSTEMS CORP. HDPE gas pipe adopts high-quality polyethylene raw materials from well-known domestic and international enterprises, and uses German professional extrusion equipment, according to different customer needs, we could manufacture HDPE gas pipe and fittings which can conform to ISO, ASTM, AS/ NZS standards. Polyethylene pipes are usually classified into PE80 and PE100 according to the grade of raw materials used. PE gas pipe has high seismic performance, resistance to slow crack growth, resistance to rapid cracking, flexibility and scratch resistance.

PE100 pipe dominates the market and is suitable for a variety of different construction environments. It has a high pressure bearing capacity and is mostly a medium and large diameter straight pipe. PE80 pipe has good flexibility, mostly for medium and small diameter coils.

PE100

DN		W.T.(MM)	
(MM)	(INCH)	SDR11 10 BAR	SDR17 6 BAR
16	1/4	3.0	
20	1/2	3.0	
25	3/4	3.0	
32	1	3.0	3.0
40	1 1/4	3.7	3.0
50	1 1/2	4.6	3.0
63	2	5.8	3.8
75	2 1/2	6.8	4.5
90	3	8.2	5.4
110	4	10.0	6.6
125	5	11.4	7.4
140	5 1/2	12.7	8.3
160	6	14.6	9.5
180	6	16.4	10.7
200	8	18.2	11.9
225	8	20.5	13.4
250	10	22.7	14.8
280	10	25.4	161.0
315	12	28.6	18.7
355	14	32.2	21.1
400	16	36.4	23.7
450	18	40.9	26.7
500	20	45.5	29.7
560	22	50.9	33.2
630	24	57.3	37.4

PE80

DN		W.T.(MM)	
(MM)	(INCH)	SDR11 4 BAR	SDR17 2 BAR
16	1/4	3.0	
20	1/2	3.0	
25	3/4	3.0	
32	1	3.0	3.0
40	1 1/4	3.7	3.0
50	1 1/2	4.6	3.0
63	2	5.8	3.8
75	2 1/2	6.8	4.5
90	3	8.2	5.4
110	4	10.0	6.6
125	5	11.4	7.4
140	5 1/2	12.7	8.3



HDPE PIPES FOR FIRE PROTECTION

HDPE underground fire pipes are manufactured in accordance with ISO 4427 (PE100) and ANSI/AWWA C906 (PE4710) standards. **ELITE PRECISION FITTINGS AND WATER SYSTEMS CORP.** produces and supplies molded and segmented fittings as per ISO and AWWA standards under stringent quality control.

Benefits:

1. Extremely durable, corrosive, gouging and abrasion resistant.
2. Features 70-year life span.
3. Great flexibility, and highly suitable for earthquake-prone areas.
4. High PE pressure rating, resistance to slow crack growth and rapid crack propagation.
5. Light weight, with long laying length.
6. Great for transportation and easier installation.
7. Applicable for open-trench and slip-lining installation.

ISO 4427

DN	PN16 W.T.	PN20 W.T.	PN25 W.T.
(mm)	(mm)	(mm)	(mm)
50	4.6	5.6	6.9
63	5.8	7.1	8.6
75	6.8	8.4	10.3
90	8.2	10.1	12.3
110	10	12.3	15.1
125	11.4	14	17.1
140	12.7	15.7	19.2
160	14.6	17.9	21.9
180	16.4	20.1	24.6
200	18.2	22.4	27.4
225	20.3	25.2	30.8
250	22.7	27.9	34.2
280	25.4	31.3	38.3
315	28.6	35.2	43.1
355	32.2	39.7	48.5
400	36.3	44.7	54.7
450	40.9	50.3	61.5
500	45.4	55.8	67.6
560	50.8	62.2	75.7
630	57.2	70.3	85.1

ANSU/AWWA C906

IPS Pipe Size	DR11 CLASS 200 (FM - CLASS 150)	DR9 CLASS 250 (FM -CLASS 200)	DR7 CLASS 335 (FM -CLASS 267)
	W.T. (mm)	W.T. (mm)	W.T. (mm)
4	0.409	0.5	0.643
5	0.506	0.618	0.795
6	0.602	0.736	0.946
7	0.648	0.792	0.976
8	0.784	0.958	1.232
10	0.977	1.194	1.536
12	1.159	1.417	1.821
14	1.273	1.556	2
16	1.455	1.778	2.286
18	1.636	2	2.571
20	1.818	2.222	2.857
22	2	2.444	3.143
24	2.182	2.667	3.429
26	2.364	2.889	3.714
28	2.545	3.111	4
30	2.727	3.333	
32	2.909	3.556	
34	3.091	3.778	
36	3.273	4	



HDPE PIPES FOR CONDUIT/CABLE

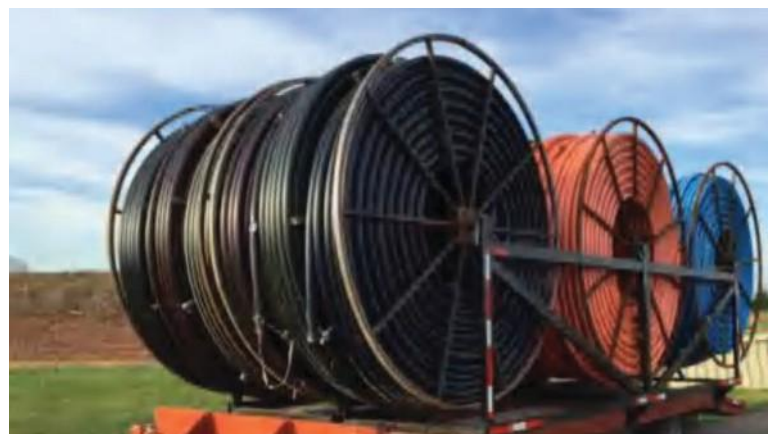
HDPE conduit is the preferred material to protect power cables and cables used in telecommunications. It offers unmatched corrosion and chemical resistance, which is also flexible, durable and available in long reel length to reduce joints and installation time.

Benefits :

1. Great in flexibility, ductility and toughness
2. Easy to roll into continuous coils
3. 30% lower coefficient of friction (COF) than PVC

HDPE Conduit Type

- Smooth wall
- Ribbed
- Inner duct
- Micro duct



HDPE PIPES FOR MINING APPLICATIONS

FOR LONG-TERM TROUBLE-FREE SERVICE IN INDUSTRIAL & MINING

APPLICATIONS, it is critical that an industrial grade pipe system can withstand daily pressure fluctuations and resist the corrosive and abrasive materials that pass through it, such as slurries, acids, and salts commonly found in these applications. Industrial HDPE pipe from **ELITE PRECISION FITTINGS AND WATER SYSTEMS CORP.** addresses these needs with their abrasion resistance, chemical resistance, toughness, leak-free fusion joints, tolerance for variable operating conditions and exceptional long-term performance.

ELITE PRECISION FITTINGS AND WATER SYSTEMS CORP. HDPE pipe is lightweight, flexible, and durable over its design life. It has low installation and maintenance costs due to heat fusion joining on site, reducing the need for mechanical connections. **ELITE PRECISION FITTINGS AND WATER SYSTEMS CORP.** Pipe is used in industrial and mining applications for water and slurry management, such as conveying leachate, mine dewatering, drainage pipe, riverwater diversion, sewer and sub-drainage systems in mines or industrial plants.



HDPE PIPES FOR DREDGING

HDPE dredging pipe is used to remove materials (sludge, mud, sand and sediment) from the depths of the oceans, seas, harbors, lakes, rivers and ponds. Polyethylene pipes are ideal for dredging projects due to their resistance to high temperatures, hot and humid weather conditions, sea salt and chemical resistance. An extremely smooth inner surface gives **ELITE PRECISION's** HDPE pipes a Hazen-Williams flow coefficient of $C = 150$ which doesn't change over extended use. This reduces the burden on pumps and lowers pumping costs, due to a reduction in friction between the moving water and pipe walls.

DN		SDR41 4BAR	SDR26 6BAR	SDR21 8BAR	SDR17 10BAR	SDR13.6 12.5BAR	SDR11 16BAR
(MM)	(INCH)	W.T. (MM)	W.T. (MM)	W.T. (MM)	W.T. (MM)	W.T. (MM)	W.T. (MM)
110	4	2.7	4.2	5.3	6.6	8.1	10
125	5.5	3.1	4.8	6	7.4	9.2	11.4
140	6	3.5	5.4	6.7	8.3	10.3	12.7
160	6	4	6.2	7.7	9.5	11.8	14.6
180	6	4.4	6.9	8.6	10.7	13.3	16.4
200	8	4.9	7.7	9.6	11.9	14.7	18.2
225	8	5.5	8.6	10.8	13.4	16.6	20.5



HDPE PIPES FOR IRRIGATION

ELITE PRECISION FITTINGS AND WATER SYSTEMS CORP. HDPE pipe connects easily with compression fittings in addition to possessing strong corrosion resistance and weather resistance. Their long service life and excellent performance make them ideal for irrigation. **ELITE PRECISION FITTINGS AND WATER SYSTEMS CORP.** high-density polyethylene sprinkler pipe and accessories are the ideal choice for irrigation, sprinkler irrigation, hydroponics, micro-irrigation, automatic water systems, fog irrigation systems and circulating water systems.

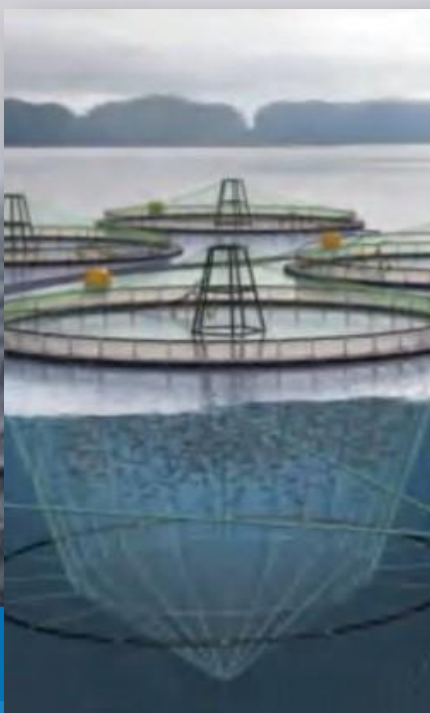


SDR PE63 PE80 PE100 DN		SDR41 - PN3.2 PN4	SDR26 PN4 PN5 PN6	SDR21 PN5 PN6 PN8	SDR17 - PN8 PN10	SDR13.6 PN8R PN10 PN12.5	SDR11 PN10 PN12.5 PN16
(MM)	(INCH)	W.T. (MM)	W.T. (MM)	W.T. (MM)	W.T. (MM)	W.T. (MM)	W.T. (MM)
16	1/4						1.6
20	1/2						2
25	3/4					2	2.3
32	1				2.3	2.4	3
40	1 1/4			2	2.4	3	3.7
50	2		2	2.4	3	3.7	4.6
63	2	2.3	2.5	3	3.8	4.7	5.8
75	2 1/2	2.3	2.9	3.6	4.5	5.6	6.8
90	3	2.3	3.5	4.3	5.4	6.7	8.2
110	4	2.7	4.2	5.3	6.6	8.1	10
125	5 1/2	3.1	4.8	6	7.4	9.2	11.4

HDPE PIPES FOR FISHING

Polyethylene cages for fish farming are placed in the sea, beaches, lakes and groundwater dams. **ELITE PRECISION**'s polyethylene pipe contains 2-3% fine carbon black, which is why most PE pipes are black in color. Carbon black is the most effective additive for enhancing the weathering characteristics of polyethylene pipes. **ELITE PRECISION**'s HDPE pipe can be safely stored outside in most climates for periods of many years without danger of loss of physical properties due to ultraviolet (UV) exposure. Our exclusive pipe additives make the pipes more cost-effective and improve the life of service more than threefold.

DN		SDR41	SDR26	SDR21	SDR17	SDR13.6	SDR11	SDR9	SDR7.4
(MM)	(INCH)	4BAR	6BAR	8BAR	10BAR	12.5BAR	16BAR	20BAR	25BAR
		W.T.	W.T.	W.T.	W.T.	W.T.	W.T.	W.T.	W.T.
		(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)
200	8	4.9	7.7	9.6	11.9	14.7	18.2	22.4	27.4
225	8	5.5	8.6	10.8	13.4	16.6	20.5	25.2	30.8
250	10	6.2	9.6	11.9	14.8	18.4	22.7	27.9	34.2
280	10	6.9	10.7	13.4	16.6	20.6	25.4	31.3	38.3
315	12	7.7	12.1	15	18.7	23.2	28.6	35.2	43.1
355	14	8.7	13.6	16.9	21.1	26.1	32.2	39.7	48.5
400	16	9.8	15.3	19.1	23.7	29.4	36.3	44.7	54.7
450	18	11	17.2	21.5	26.7	33.1	40.9	50.3	61.5
500	20	12.3	19.1	23.9	29.7	36.8	45.4	55.8	
560	22	13.7	21.4	26.7	33.2	41.2	50.8	62.5	
630	24	15.4	24.1	30	37.4	46.3	57.2	70.3	
710	28	17.4	27.2	33.9	42.1	52.2	64.5	79.3	
800	32	19.6	30.6	38.1	47.4	58.8	72.6	89.3	



FITTINGS FOR HDPE PIPES

1 BUTTWELDING FITTING

▶ The principle behind butt fusion is to heat two surfaces to a designated temperature and then fuse them together by application of the required force.



▶ Electrofusion welding is the name given to the process of resistive implant welding of thermoplastic pipes. It is one of two main techniques used for the joining of polyethylene gas and water pipes.

ELECTROFUSION FITTING 2



3 COMPRESSION FITTING

▶ PP compression fittings are composed of a pipe fitting body, lock nut, pipe clamp and V-shaped sealing ring. As the PP compression fittings are sealed with V-ring, the roundness of the pipes is strictly required as only these are suitable for the installation of straight pipes.



FABRICATED FITTING 4

▶ Large diameter fittings are usually fabricated from sections of pipe or other parts. The larger fittings are fabricated because their size exceeds injection molding equipment capacities. Less common fittings may also be fabricated because their low demand does not constitute the creation of a mold.



PVC PIPES AND FITTINGS

PVC pressure pipe systems, offer many advantages when compared to traditional products, namely:

- ✓ Enhanced hydraulic performance.
- ✓ Durability and toughness—resistance to handling and installation damage.
- ✓ Corrosion resistance – greater service life in excess of 50 years.
- ✓ Lower mass – ease of handling and installation, particularly suited to labour intensive projects.
- ✓ Locked-in sealing ring system – no specialist installation skills required. Savings on installation time.
- ✓ Unique combination of Properties-Toughness



Size mm DN	Size Inch DN	Socket Depth (mm)	Pressure(PN)						
			6.3 W. T. (MM)	8 W. T. (MM)	10 W. T. (MM)	12.5 W. T. (MM)	16 W. T. (MM)	20 W. T. (MM)	25 W. T. (MM)
20	1/2"		1.6	1.6	1.7	1.8	1.8	2.0	2.3
25	3/4"		1.6	1.7	1.7	1.8	1.8	2.3	2.8
32	1"		1.7	1.7	1.8	2.0	2.0	3.0	3.6
40	1 1/4"		1.8	1.8	2.0	2.4	2.4	3.7	4.5
50	1 1/2"	75	1.8	2.0	2.4	3.0	3.0	4.6	5.6
63	2"	100	2.0	2.5	3.0	3.8	3.8	5.8	7.1
75	2 1/2"	110	2.3	2.9	3.6	4.5	4.5	6.9	8.4
90	3"	120	2.8	3.5	4.3	5.4	5.4	8.2	10.1
110	4"	120	2.7	3.4	4.2	5.3	5.3	8.1	10.0
125	5"	119	3.1	3.9	4.8	6.6	6.6	9.2	11.4
140	5 1/2"	125	3.5	4.3	5.4	6.7	6.7	10.3	12.7
160	6"	132	4.0	4.9	6.2	7.7	7.7	11.8	14.6
180	6"	145	4.4	5.5	6.9	8.6	8.6	13.3	16.4
200	8"	145	4.9	6.2	7.7	9.6	9.6	14.7	18.2
225	8"	152	5.5	6.9	8.6	10.8	10.8	16.6	
250	10"	160	6.2	7.7	9.6	11.9	11.9	18.4	
280	10"	170	6.9	8.6	10.7	13.4	13.4	20.6	
315	12"	180	7.7	9.7	12.1	15.0	15.0	23.2	
355	14"	180	8.7	10.9	13.6	16.9	16.9	26.1	
400	16"	200	9.8	12.3	15.3	19.1	19.1	29.4	
450	18"	200	11.0	13.8	17.2	21.5	21.5	33.1	
500	20"	250	12.3	15.3	19.1	23.9	23.9	36.8	
560	22"	260	13.7	17.2	21.4	26.7	26.7		
630	24"	300	15.4	19.3	24.1	30.0	30.0		
710	28"		17.4	21.8					
800	32"		19.7	24.5					
900	36"		22.0	27.6					
1000	40"		24.5	30.6					

ASTM 1785

DN	SCH 40			SCH 80		
Inch	OD (mm)	W. T. (mm)	ID (mm)	OD (mm)	W. T. (mm)	ID (mm)
1/2"	21.3	2.8	15.8	21.3	3.7	13.4
3/4"	26.7	2.9	20.9	26.7	3.9	18.3
1"	33.4	3.4	26.6	33.4	4.6	23.8
1 1/4"	42.2	3.6	35.1	42.2	4.9	31.9
1 1/2"	48.3	3.7	40.9	48.3	5.1	37.5
2"	60.3	3.9	52.5	60.3	5.5	48.6
2 1/2"	73.0	5.2	62.7	73.0	7.0	58.2
3"	88.9	5.5	77.9	88.9	7.6	72.8
4"	114.3	6.0	103.2	114.3	8.6	96.2
5"	141.3	6.6	128.2	141.3	9.5	121.1
6"	168.3	7.1	154.1	168.3	11.0	145.0
8"	219.1	8.2	202.8	219.1	12.7	192.2
10"	273.1	9.3	254.5	273.1	15.1	241.1
12"	323.9	10.3	303.2	323.9	17.5	286.9
14"	355.6	11.1	333.4	355.6	19.1	315.2
16"	406.4	12.7	381.0	406.4	21.4	361.0
18"	457.2	14.3	427.0	457.2	23.8	406.8
20"	508.0	15.1	476.1	508.0	26.2	452.5
24"	609.6	17.5	572.6	609.6	30.9	544.0



- ISO standard (ISO 1452 / ISO 4422)
- British standard (BS 3505, BS 5255, 4515)
- German DIN Standard (DIN8062, DIN 8062//63)
- Australian standard (AS 1477, AS 1415)
- International standard (ISO 4422, ISO 3633, IEC 614, GY 3050)
- American standard (ASTM D 1785, ASTM D 2241)



STEEL WIRE REINFORCED HDPE PIPES



Main Applications:

Pipes can be divided into KML and KMQ according to their applications. KML are used for underground water supply, water drainage and shotcrete in coal mines; KMQ are used for positive and negative pressure ventilation and gas drainage in coal mines. KMQ should not be used for fresh water even in the mining area. It is high pressure resistant, wear resistant, light mass, easy-to-install and has a long lifespan, in addition to meeting the requirements of safe production in coal mines in terms of flame retardance and good antistatic performance.

Precautions:

- ▶ The working pressure of steel wire reinforced HDPE pipes in coal mine cannot overstep the stated pressure on standards.
- ▶ Please confirm the application of pipes before use. Pipes for different applications cannot be joined together.
- ▶ The outer wall of gas drainage pipes should be marked with a red line.
- ▶ Pipes with nominal pressure less than 1.0 shall not be used for gas drainage.

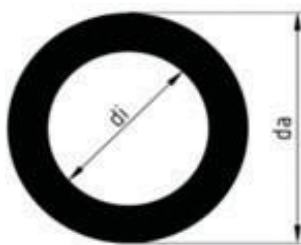
HDPE SOLID AND HOLLOW BAR

The PE bar produced by our company is made of high quality PE100 grade raw materials through extrusion processing. They boast good chemical stability, high rigidity and toughness in addition to high mechanical strength. The PE bar also possesses excellent physical properties, anti-aging and anti-chemical corrosion abilities that other polymer synthetic materials cannot compare with.

Applications:

- ▶ Used as machining parts of machinery manufacturing industry, chemical industry and environmental protection equipment.
- ▶ Being processed into PE pipe fittings to be used in water supply, gas, coal mine, chemical industry, dredging and other fields.

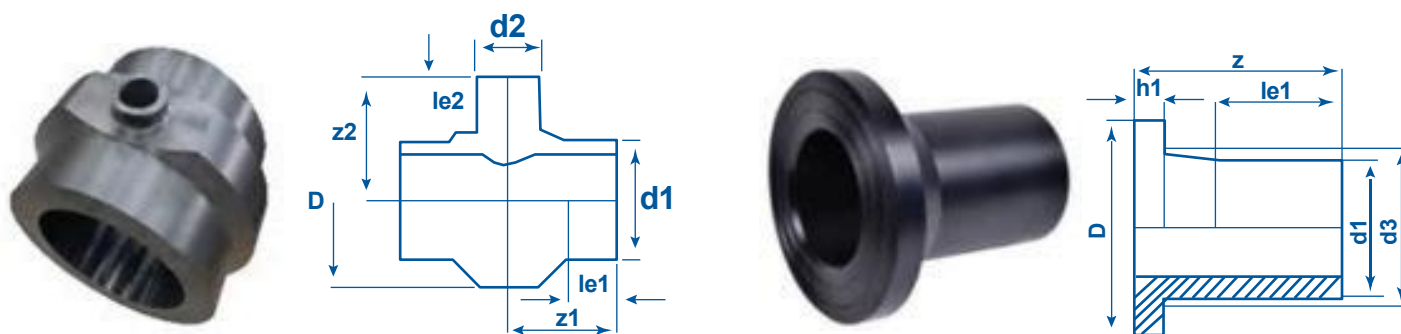
da (mm)	di (mm)	Weight (kg/m)
40-2250	32-2000	Can be customized according to your special needs



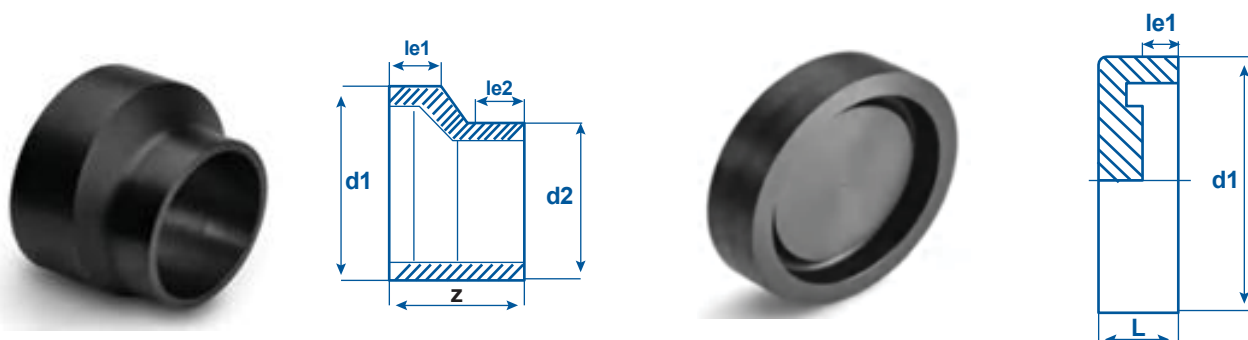
HDPE HIGH PRESSURE FITTINGS

ELITE PRECISION's high pressure pipes (more than PN20) are formed by PE hollow bar through lathe processing. With good quality and complete specifications, they can be widely used in gas, water supply, chemical, dredging and other fields. Their maximum diameter is up to 2000mm. Meanwhile, we provide customization of various non-standard diameter fittings according to the size or drawing provided.

d1 (mm)	d2 (mm)	Weight (kg/m)
16-1800	20-2000	Can be customized according to your special needs



d1 (mm)	d3 (mm)	le1 (mm)	h1 (mm)	D (mm)	Z (mm)	Weight (kg/m)
20-2000	Can be customized according to your special needs					



CERTIFICATES



ABOUT FACTORY



**ELITE
PRECISION**

SINGAPORE . HONGKONG . MANILA . CEBU

ELITE PRECISION FITTINGS AND WATER SYSTEMS CORP. uses advanced testing equipment and a strict quality control system at every stage of production from the acquisition of new raw material all the way to the refinement of finished products, ensuring that all products are 100% qualified through a Quality Inspection Report.