



# HDPE PIPE

FROM BEAD TO INSTALLATION, A COMPLETE SOLUTION







# SEAMLESS SOLUTION

HISTORY, SAFETY, QUALITY & ENVIRONMENT

Tubi manufactures and provides solutions for HDPE Pipe. Tubi provides seamless solutions in HDPE pipe manufacturing, logistics & pipe stringing

Tubi is a second-generation family business with over 40 years of heritage in plastic pipe manufacturing. First generation starting in 1972 in Smithfield, New South Wales - Australia.

Tubi is an Australian Company based in Sydney operating Australia wide and looking to expand globally in 2015.

Tubi's technology generates a higher level of safety and standards and minimal environmental impact. For remote locations Tubi can deliver a low impact environmental footprint and substantial cost savings.



710mm Pipe Night Production



Tubi operates in a broad spectrum of markets.

Tubi has the ability to supply HDPE Pipe to any market in the world.

Tubi prides itself on delivering a highly cost competitive solution from manufacturing to your job. We will take responsibility for the quality through manufacturing and construction phases of your project.

Our clients include large oil & gas, HDD, mining, contractors pipeline and EPCM, water utility, irrigation, governments and small distribution and pipeline construction companies.

Our aim at Tubi is to supply "PELLET TO ROW" = manufacturing to HDPE pipe ready to be installed.

Our plants have the ability to set within 48 hours of arriving to your destination. Plant are completely self-sufficient and do not require external power or water to be connected to our operating site.

Tubi has the ability operate and deliver HDPE pipe in any diameter and SDR required for your project.

Our largest drum is 6.4m x 4.2, which enables us to reel 315mm pipe in 700m lengths or 200mm in 1,4km lengths for Offshore and large HDD or remote projects.

*"We are able to compete with PVC Pressure Pipe installed prices using HDPE on certain sizes"*

## SECTORS

### • GAS

- Utility
- LNG & Shale (upstream & downstream)

### • WATER

- Utility Potable and non Potable
- LNG & Shale
- Mining
- Slurry lines, water and corrosive materials

### • POWER & COMMUNICATION

### • HDD AND PIPE BURSTING – PIPE RELINING PROJECTS ARE ONE OF OUR SPECIALTIES

### • IRRIGATION



## INNOVATION

### 1. Patented Mobile Extrusion HDPE

**Pipe – Conventional extrusion technology in a modularized plant allowing it to operate as close as possible to the final installation location**

- a. Reduces freight & creates safer roads
- b. Reduces fusion welds, creating a more reliable pipe system, a safer work environment, and a reduced installation time.
- c. Reduces impact on local community
- d. Reduces handling steps which minimizes pipe damage and reduces or eliminating some safety risks.
- e. Includes 100% X-ray quality control technology which improves product conformity

### 2. Large Diameter / Long Pipe Reeling from 90mm up to 315m – As a result of the modular plant and innovative trailer / drum design we are able to drum pipe in diameters and lengths not available from other manufactures.

- a. Reduces fusion welds, creating a more reliable pipe system, safer work environment and significantly faster laying times
- b. Reduces installation time allowing reduces costs
- c. Reduces handling steps which minimises pipe damage and reduces or eliminating some safety risks
- d. Allows one interface to produce, deliver and fused on the job site / right of way

Reduce your companies expenses by minimising labour, logistics & installation costs. Tubi creates a safer working environment.

### 3. Pipe Drum Handling Transport System - Drum transport trailers registered under the National Heavy Vehicle with the ability to be driven on the road at 100km per hour or on RoW / Site towed by a challenger or other as required. The trailers can be hydraulically actuated. This actuation allows them to be flexible enough to avoid would be obstacles.

- a. Allows for unrestricted utilization
- b. Creates a seamless manufacturing and delivery system giving clients greater piece of mind
- c. Reduces installation time allowing reducing costs and significantly increasing the distance which can be layed each day
- d. Reduces handling steps which minimizes pipe damage and or eliminating some safety risks



Tubi Services our clients in Remote large, Metropolitan Utility projects, Difficult Projects (HDD, River crossings, offshore applications), Distributor & Hire / Rental Applications



## REMOTE LARGE PROJECT – SEAMLESS SOLUTION

Tubi is able to offer our clients a cheaper complete delivered HDPE pipe welded ready for installation – our patented technology allows us to execute a “Seamless” approach which no other company in world can offer.

Tubi significantly increases productivity and reduces the risks in safety & QA/QC.



## METROPOLITAN PROJECTS – SEAMLESS APPROACH

Tubi is not restricted to remote, large or difficult projects, we are able to offer our clients our seamless approach on local Metropolitan Utility projects / jobs. Tubi technology enables even greater benefits to Metropolitan projects. Our capability of transporting our drums of pipe through cities with large diameters reduces the impact of long stick lengths of pipe and welding.



## DIFFICULT PROJECTS

Tubi technology enables projects that where impossible, unsafe or costly possible. Tubi mobile plant is able to set up within 48 hours with minimal requirements. Suitable for HDD, steel pipe relining, remote and water crossing. Tubi’s technology reduces the number of welds and joins to your pipeline.



## DISTRIBUTION

Tubi technology will enable distributors have the benefit of being a manufacture without the expense and the experience of being a manufacturer. Tubi will bring the pipe manufacturing and technology to the distributor site. Tubi has the ability to produce on our distributors site and the distributor will be able to have pipe at a complete price with the ability to sell, compete and offer his local clients a better product with a unique selling point in there region.



## HIRE & RENTAL

Tubi has the ability to offer our clients a rental of our equipment. The rental of our Drums, Stringing trailer and even our mobile pipe extrusion is possible.

Self dispensing trailer

Pressurized polyethylene pipe materials

Material Class	S (MPa)	MRS (MPa)	C	41	33	27.6	26	22	21	17.6	17	13.6	11	9	7.4
PE-80	6.3	8	1.25	PN 3.2	PN 4	PN 4.7	PN 5	PN 6	PN 6.3	PN 7.5	PN 8	PN 10	PN 12.5	PN 16	PN 20
PE-100	8	10	1.25	PN 4	PN 5	PN 6	PN 6.3	PN 7.7	PN 8	PN 9.6	PN 10	PN 12.5	PN 16	PN 20	PN 25

Material: Approved PE100      MRS: Minimum Required Strength by ISO 9080-2    C: Safety factor MRS/S    S: Design stress

Outside diameter v's wall thickness and weight of different SDR Classes													
OD mm	SDR 41 e(mm)	SDR 41 kg/m	SDR 33 e(mm)	SDR 33 kg/m	SDR 27,6 e(mm)	SDR 27,6 kg/m	SDR 26 e(mm)	SDR 26 kg/m	SDR 22 e(mm)	SDR 22 kg/m	SDR 21 e(mm)	SDR 21 kg/m	
20													
25													
32													
40									2.0	0.251	2.0	0.251	
50					2.0	0.317	2.0	0.317	2.4	0.356	2.4	0.372	
63					2.3	0.455	2.5	0.482	2.9	0.561	3.0	0.586	
75					2.7	0.640	2.9	0.682	3.4	0.791	3.6	0.826	
90	2.2	0.633	2.8	0.800	3.3	0.917	3.5	0.987	4.1	1.14	4.3	1.19	
110	2.7	0.850	3.4	1.17	4.0	1.36	4.2	1.45	5.0	1.69	5.3	1.77	
125	3.1	1.23	3.9	1.53	4.5	1.75	4.8	1.86	5.7	2.18	6.0	2.28	
140	3.5	1.50	4.3	1.88	5.1	2.19	5.4	2.35	6.4	2.73	6.7	2.85	
160	4.0	1.86	4.9	2.50	5.8	2.86	6.2	3.08	7.3	3.55	7.7	3.73	
180	4.4	2.50	5.5	3.15	6.5	3.61	6.9	3.83	8.2	4.49	8.6	4.69	
200	4.9	3.08	6.2	3.85	7.2	4.46	7.7	4.74	9.1	5.54	9.6	5.81	
225	5.5	3.90	6.9	4.89	8.1	5.63	8.6	5.96	10.2	7.0	10.8	7.35	
250	6.2	4.77	7.7	6.09	9.0	6.95	9.6	7.38	11.4	8.64	11.9	9.03	
280	6.9	5.96	8.6	7.55	10.1	8.71	10.7	9.2	12.7	10.8	13.4	11.34	
315	7.7	7.60	9.7	9.7	11.4	11.0	12.1	11.7	14.3	13.7	15.0	14.3	
355	8.7	9.6	10.9	12.1	12.8	14.0	13.6	14.8	16.1	17.4	16.9	18.2	
400	9.8	12.5	12.3	15.7	14.5	18.1	15.3	19.1	18.2	22.5	19.1	23.6	
450	11.0	15.8	13.8	19.9	16.3	22.9	17.2	24.2	20.5	28.5	21.5	29.8	
500	12.3	19.4	15.3	24.4	18.1	28.3	19.1	29.9	22.7	35.2	23.9	36.9	
560	13.7	24.4	17.2	30.7	20.2	35.5	21.4	37.5	25.5	44.1	26.7	46.2	
600	14.7	27.8	18.7	35.2	21.7	40.7	23.1	43.3	27.3	50.6	28.6	52.9	
630	15.4	30.8	19.3	38.7	22.8	44.9	24.1	47.4	28.6	55.8	30.0	58.3	
710	17.4	39.0	21.8	49.2	25.7	57.0	27.2	60.2	32.3	70.9	33.9	74.2	
800	19.6	49.5	24.5	62.4	28.9	72.3	30.6	76.3	36.4	89.9	38.1	94.0	
900	22.0	62.8	27.6	79.0	32.5	91.5	34.4	97.4	40.9	113.8	42.9	118.9	
1000	24.5	77.0	30.6	98.0	36.1	112.9	38.2	120.0	45.5	140.4	47.7	147.0	
1100	26.8	93.5	34.1	117.9	39.8	136.6	42.3	145.0	50.0	169.9	52.4	177.6	
1200	29.4	111.0	36.7	140.0	43.4	162.5	45.9	173.0	54.5	202.2	57.2	211.6	
1400	34.3	151.3	42.9	190.9	50.6	221.1	53.5	234.7	63.6	275.2	66.7	287.5	
1600	39.2	198.0	49.0	249.0	57.8	288.8	61.2	306.0	72.7	359.3	76.2	375.5	
1800	43.9	250.0	54.5	308.5	65.1	365.5	69.1	387.9	81.8	454.7	85.7	475.1	
2000	48.8	308.6	60.6	380.8	72.3	451.1	76.9	478.8	90.9	561.3	95.2	586.5	

Outside diameter v's wall thickness and weight of different SDR Classes												
OD mm	SDR 17.6 e(mm)	SDR 17.6 kg/m	SDR 17 e(mm)	SDR 17 kg/m	SDR 13,6 e(mm)	SDR 13,6 kg/m	SDR 11 e(mm)	SDR 11 kg/m	SDR 9 e(mm)	SDR 9 kg/m	SDR 7.4 e(mm)	SDR 7.4 kg/m
20							2.0	0.118	2.3	0.133	3.0	0.156
25					2.0	0.151	2.3	0.172	3.0	0.213	3.5	0.243
32	2.0	0.197	2.0	0.200	2.4	0.228	3.0	0.274	3.6	0.326	4.4	0.387
40	2.3	0.288	2.4	0.290	3.0	0.354	3.7	0.434	4.5	0.507	5.5	0.607
50	2.9	0.445	3.0	0.460	3.7	0.550	4.6	0.672	5.6	0.789	6.9	0.945
63	3.6	0.695	3.8	0.730	4.7	0.869	5.8	1.06	7.1	1.25	8.6	1.5
75	4.3	0.986	4.5	1.03	5.6	1.23	6.8	1.48	8.4	1.77	10.3	2.11
90	5.1	1.40	5.4	1.47	6.7	1.76	8.2	2.14	10.1	2.54	12.3	3.04
110	6.3	2.10	6.6	2.19	8.1	2.63	10.0	3.18	12.3	3.79	15.1	4.55
125	7.1	2.69	7.4	2.79	9.2	3.39	11.4	4.09	14.0	4.89	17.1	5.85
140	8.0	3.37	8.3	3.50	10.3	4.25	12.7	5.13	15.7	6.12	19.2	7.34
160	9.1	4.40	9.5	4.57	11.8	5.54	14.6	6.74	17.9	7.99	21.9	9.61
180	10.2	5.54	10.7	5.77	13.3	7.01	16.4	8.51	20.1	10.1	24.6	12.13
200	11.4	6.86	11.9	7.10	14.7	8.65	18.2	10.5	22.4	12.5	27.4	15.0
225	12.8	8.64	13.4	9.03	16.6	10.9	20.5	13.3	25.2	15.8	30.8	18.9
250	14.2	10.7	14.8	11.1	18.4	13.5	22.7	16.3	27.9	19.5	34.2	23.4
280	15.9	13.3	16.6	13.9	20.6	16.9	25.4	20.4	31.3	24.4	38.3	29.3
315	17.9	16.9	18.7	17.2	23.2	21.4	28.6	25.9	35.2	30.9	43.1	37.2
355	20.1	21.4	21.1	22.4	26.1	27.2	32.2	33.0	39.7	39.3	48.5	47.2
400	22.7	27.8	23.7	28.9	29.4	35.2	36.3	42.7	44.7	50.8	54.7	61.1
450	25.5	35.1	26.7	36.6	33.1	44.6	40.9	54.1	50.3	64.3	61.5	77.3
500	28.3	43.3	29.7	45.1	36.8	55.0	45.4	66.7	55.8	79.4		
560	31.7	54.2	33.2	56.6	41.2	69.0	50.8	83.7	62.2	99.6		
600	34.0	62.3	35.6	65.4	44.1	79.2	54.5	95.4	67.6*	115.7*		
630	35.7	68.7	37.4	71.8	46.3	87.3	57.2	105.0	71.0	127.6		
710	40.2	87.2	42.1	91.0	52.2	110.8	64.5	134.3	80.0*	162.0*		
800	45.3	111.0	47.4	115.0	58.8	140.7	72.7	170.4	90.1*	205.7*		
900	51.0	140.0	53.3	146.0	66.2	178.1	81.8*	215.6*				
1000	56.6	173.0	59.3	180.0	72.5*	216.9*	90.9*	266.2*				
1100	62.3	209.0	65.2	218.0	80.9*	266.0*						
1200	67.9	248.5	70.6	257.8	88.2*	316.5*						
1400	79.2	338.2	82.4	350.6	102.9	430.7						
1600	90.6	441.7	94.1	457.8	117.6*	562.5*						
1800	101.9	558.9	105.9*	579.3*								
2000	113.2	690.2	117.6*	715.2*								









**TUBI GROUP**

2 Hoptoun Street, Paddington  
New South Wales, 2021  
Australia

**YouTube:** <http://youtu.be/Nx381UE6HHw>

**Sales:** [tubisales@tubigroup.com](mailto:tubisales@tubigroup.com)

**[www.tubigroup.com](http://www.tubigroup.com)**