SANDERSON PIPE

ASTM D2241 IPS PRESSURE PIPE MANUFACTURER'S CERTIFICATION

This is to certify the pipe manufactured by Sanderson Pipe meets or exceeds the applicable engineering standards listed below for ½" through 12" IPS pressure pipe.

Materials

Comply with ASTM D1784 for PVC 1120 cell classification 12454. Materials used in the manufacture of certified SDR series pipe are NSF/ANSI 14 and 61 listed.

Dimensions/Testing

All pipe meets or exceeds the performance requirements listed in the current version of ASTM D2241.

Markings on the Pipe

Identification of nominal pipe size, plastic pipe material code, SDR class, pressure rating, ASTM designation D2241, manufacturer's name, code, and the National Sanitation Foundation seal for potable water (NSF-pw).

Joints

Integral bell joint system conform to ASTM D3139.

Gaskets

All gaskets used in the manufacturing of the pipe are NSF approved and comply with ASTM F477 standards.

Color

Standard IPS pressure pipe is white. Blue is available upon request. Purple (marked "Caution – Do Not Drink Reclaimed Water") and green (marked "Sewer Force Main") are also available upon request. The purple and green IPS pressure pipe will not carry the NSF-pw seal.

Length

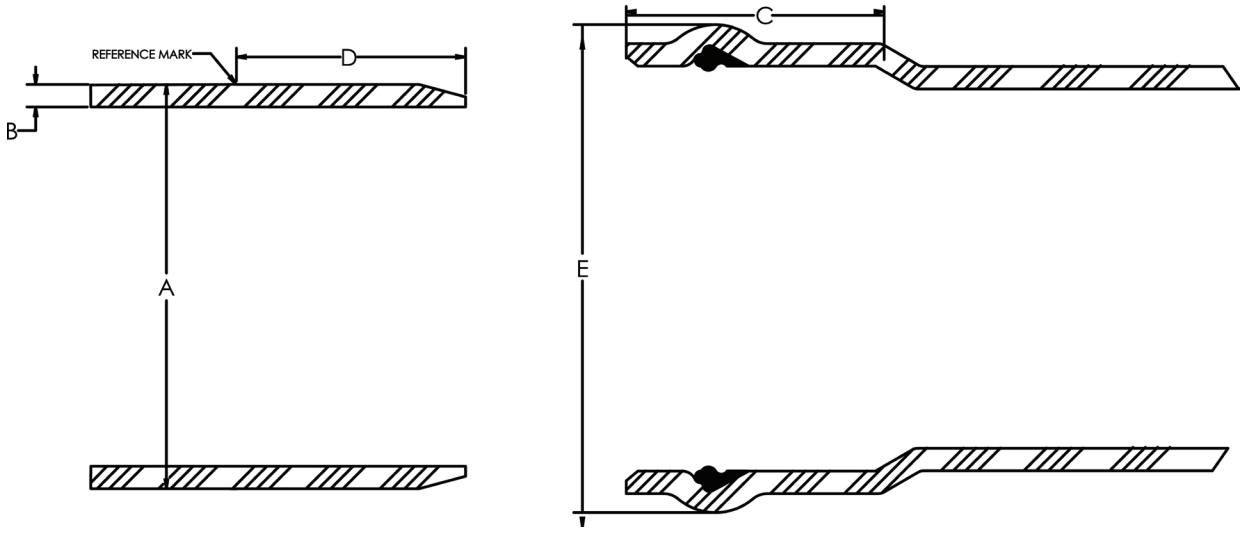
Solvent weld products are produced in 20' over-all lengths. Gasketed products are produced in 20' and 44' lay lengths with a 15 degree chamfer. 44' pipe is manufactured in Kansas only.



Gasketed

Pipe Size	Outside Diameter (A)	Minimum Wall (B)					*Bell Length (C)	*Insertion / Reference Mark (D)	Approximate Bell OD Clearance (E)
		SDR 41 (PC 100)	SDR 32.5 (PC 125)	SDR 26 (PC 160)	SDR 21 (PC 200)	SDR17 (PC 250)			
2”	2.375”	N / A	N / A	0.091”	0.113”	0.140”	4.75”	3.75”	3.250”
2 ½”	2.875”	N / A	N / A	0.110”	0.137”	N / A	5.25”	4.25”	4.375”
3”	3.500”	N / A	N / A	0.135”	0.167”	0.206”	5.25”	4.50”	4.750”
4”	4.500”	N / A	N / A	0.173”	0.214”	0.265”	5.50”	4.50”	5.850”
6”	6.625”	0.162”	0.204”	0.255”	0.316”	0.390”	6.50”	5.00”	8.500”
8”	8.625”	0.210”	0.265”	0.332”	0.410”	0.508”	7.25”	6.00”	10.750”
10”	10.750”	0.262”	0.331”	0.413”	0.511”	0.632”	8.25”	7.00”	12.875”
12”	12.750”	0.311”	0.392”	0.490”	0.606”	0.750”	9.50”	8.00”	15.875”

*May vary up to ± ½”



Solvent Weld

Pipe Size	Outside Diameter	Minimum Wall					*Bell Length
		SDR 41 (PC 100)	SDR 32.5 (PC 125)	SDR 26 (PC 160)	SDR 21 (PC 200)	SDR 13.5 (PC 315)	
½”	0.840”	N/A	N/A	N/A	N/A	0.062”	1.75”
¾”	1.050”	N/A	N/A	N/A	0.060”	N/A	2.00”
1”	1.315”	N/A	N/A	N/A	0.063”	N/A	2.00”
1 ¼”	1.660”	N/A	N/A	0.064”	0.079”	N/A	2.25”
1 ½”	1.900”	N/A	N/A	0.073”	0.090”	N/A	2.75”
2”	2.375”	N/A	N/A	0.091”	0.113”	N/A	4.50”
2 ½”	2.875”	N/A	0.088”	0.110”	0.137”	N/A	4.75”
3”	3.500”	0.085”	0.108”	0.135”	0.167”	N/A	4.75”
4”	4.500”	0.110”	0.138”	0.173”	0.214”	N/A	6.25”
5”	5.563”	0.136”	0.171”	N/A	N/A	N/A	6.75”
6”	6.625”	0.162”	0.204”	0.255”	N/A	N/A	6.75”
8”	8.625”	0.210”	0.265”	N/A	N/A	N/A	7.00”
10”	10.750”	0.262”	0.331”	N/A	N/A	N/A	8.00”
12”	12.750”	0.311”	0.392”	N/A	N/A	N/A	9.00”

*May vary up to ± ½”

SANDERSON PIPE

Loading Chart | IPS Pressure Pipe

Pipe Size	Pipe Length	Pieces per Pallet	Feet per Pallet	Pallets per Truck	Feet per Truck
½”	20’	450	9,000’	48	432,000’
¾”	20’	440	8,800’	32	281,600’
1”	20’	280	5,600’	32	179,200’
1 ¼”	20’	165	3,300’	36	118,800’
1 ½”	20’	221	4,420’	24	106,080’
2”	20’	140	2,800’	20	56,000’
	44’	140	6,160’	10	61,600’
2 ½”	20’	131	2,620’	16	41,920’
3”	20’	63	1,260’	24	30,240’
	44’	63	2,772’	12	33,264’
4”	20’	57	1,140’	16	18,240’
	44’	57	2,508’	8	20,064’
5”	20’	24	480’	24	11,520’
6”	20’	26	520’	16	8,320’
	44’	26	1,144’	8	9,152’
8”	20’	14	280’	16	4,480’
	44’	14	616’	8	4,928’
8” SDR41/32.5	20’	20	400’	12	4,800’
10”	20’	12	240’	12	2,880’
	44’	8	352’	8	2,816’
12”	20’	8/4	160’/80’	12/4	2,240’
	44’	4/3	176’/132’	7/7	2,156’