

1" SCH160 PIPE



Maximum Allowable Operating Pressure (MPa)												
Nominal Size (DN)	(NPS)	Outside Diameter (mm)	Schedule	Wall Thickness (mm)	Temperature (°C)							
					-29 to +38	204	260	343	371	399	427	
					Maximum Allowable Stress (MPa)							
					137.9	137.9	130.3	117.2	113.8	99.6	74.5	
450	18	457		10	6.35	3.4	3.4	3.2	2.9	2.8	2.2	1.8
				20	7.92	4.2	4.2	4.0	3.6	3.5	2.8	2.3
			STD		9.53	5.1	5.1	4.8	4.3	4.2	3.3	2.8
			XS	30	11.13	6.0	6.0	5.7	5.1	4.9	3.9	3.2
					12.7	6.8	6.8	6.5	5.8	5.6	4.4	3.7
				40	14.27	7.7	7.7	7.3	6.5	6.4	5.0	4.2
				60	19.05	10.4	10.4	9.8	8.8	8.5	6.7	5.6
				80	23.83	13.1	13.1	12.3	11.1	10.8	8.5	7.1
				100	29.36	16.2	16.2	15.3	13.8	13.4	10.6	8.8
				120	34.93	19.5	19.5	18.4	16.6	16.1	12.7	10.5
				140	39.67	22.3	22.3	21.1	19.0	18.4	14.5	12.0
				160	45.24	25.7	25.7	24.3	21.8	21.2	16.7	13.9
500	20	508		10	6.35	3.0	3.0	2.9	2.6	2.5	2.0	1.6
			STD	20	9.53	4.6	4.6	4.3	3.9	3.8	3.0	2.5
			XS	30	12.7	6.1	6.1	5.8	5.2	5.1	4.0	3.3
				40	15.09	7.3	7.3	6.9	6.2	6.0	4.8	4.0
				60	20.62	10.1	10.1	9.5	8.6	8.3	6.6	5.4
				80	26.19	12.9	12.9	12.2	11.0	10.6	8.4	7.0
				100	32.54	16.2	16.2	15.3	13.8	13.4	10.5	8.7
				120	38.1	19.1	19.1	18.1	16.2	15.8	12.4	10.3
				140	44.45	22.5	22.5	21.3	19.1	18.6	14.6	12.1
				160	50.01	25.5	25.5	24.1	21.7	21.0	16.6	13.8
				10	6.35	2.5	2.5	2.4	2.2	2.1	1.6	1.4
			STD	20	9.53	3.8	3.8	3.6	3.2	3.1	2.5	2.1
600	24	610	XS		12.7	5.1	5.1	4.8	4.3	4.2	3.3	2.8
				30	14.27	5.7	5.7	5.4	4.9	4.7	3.7	3.1
				40	17.48	7.1	7.1	6.7	6.0	5.8	4.6	3.8
				60	24.61	10.0	10.0	9.5	8.5	8.3	6.5	5.4
				80	30.96	12.7	12.7	12.0	10.8	10.5	8.3	6.9
				100	38.89	16.1	16.1	15.2	13.7	13.3	10.5	8.7
				120	46.02	19.2	19.2	18.2	16.3	15.9	12.5	10.4
				140	52.37	22.0	22.0	20.8	18.7	18.2	14.3	11.9
				160	59.54	25.3	25.3	23.9	21.5	20.9	16.4	13.7

Important - refer to the associated Notes on page 1.

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