

STAINLESS STEEL PIPE



We carry a range of pipe sizes in both seamless and welded pipe in both 304/L and 316/L. Please inquire if you are looking at additional sizes or alloys.

PRODUCT SPECIFICATIONS

ASTM A312 / ASME SA312 / ANSI B36.10M, B36.19M
(SEAMLESS & WELDED)

SIZE RANGE

Size (IPS)	OD	SCH	Wall	ID	Wt/Ft
1/8"	.405"	40	.068"	.269"	.2447
		80	.095"	.215"	.3145
1/4"	.540"	40	.088"	.364"	.4248
		80	.119"	.302"	.5351
3/8"	.675"	40	.091"	.493"	.5676
		80	.126"	.423"	.7388
1/2"	.840"	10	.083"	.674"	.6710
		40	.109"	.622"	.8510
		80	.147"	.546"	1.088
		160	.187"	.466"	1.304
		DXX	.294"	.252"	1.714
3/4"	1.050"	10	.083"	.884"	.8572
		40	.133"	.824"	1.131
		80	.154"	.742"	1.474
		160	.218"	.614"	1.937
		DEH	.308"	.434"	2.441
1"	1.315"	10	.109"	1.097"	1.404
		40	.133"	1.049"	1.679
		80	.179"	.957"	2.172
		160	.250"	.815"	2.844
		DEH	.358"	.599"	3.659
1 1/4"	1.660"	10	.109"	1.442"	1.806
		40	.140"	1.308"	2.273
		80	.191"	1.278"	2.997
		160	.250"	1.161"	3.765
		DEH	.382"	.896"	5.214
1 1/2"	1.900"	10	.109"	1.682"	2.085
		40	.145"	1.610"	2.718
		80	.200"	1.500"	3.631
		160	.281"	1.338"	4.859
		DEH	.400"	1.100"	6.408
2"	2.375"	10	.109"	2.157"	2.638
		40	.154"	2.067"	3.653
		80	.218"	1.939"	5.022
		160	.343"	1.689"	7.444
		DEH	.436"	1.503"	9.029

*DEH = Double Extra Heavy

THEORETICAL BURSTING PRESSURES & WEIGHTS

Size	OD	SCH	Wall	Lbs./Ft.	Bursting PSI	Working PSI*
1/8"	.405"	5	.035"	.1383	12,963	3,241
		10	.049"	.1863	48,000	12,000
		40 & STD	.068"	.2447	25,185	6,296
		80 & E.H.	.095"	.3145	35,185	8,796
1/4"	.540"	5	.049"	.3270	13,611	3,403
		10	.065"	.3297	18,056	4,514
		40 & STD	.088"	.4248	24,444	6,111
		80 & E.H.	.119"	.5351	33,056	8,264
3/8"	.675"	5	.049"	.3276	10,889	2,722
		10	.065"	.4235	14,444	3,611
		40 & STD	.091"	.5676	20,222	5,056
		80 & E.H.	.126"	.7388	28,000	7,000
1/2"	.840"	5	.065"	.5380	11,607	2,902
		10	.083"	.6710	14,821	3,705
		40 & STD	.109"	.8510	19,464	4,866
		80 & E.H.	.147"	1.088	26,250	6,563
		160	.187"	1.304	33,383	8,346
		DBLE. E.H.	.294"	1.714	52,500	13,125
3/4"	1.050"	5	.065"	.6838	9,286	2,322
		10	.083"	.8572	11,857	2,964
		40 & STD	.113"	1.131	16,143	4,036
		80 & E.H.	.154"	1.474	22,000	5,500
		160	.218"	1.937	31,143	7,786
1"	1.315"	DBLE. E.H.	.308"	2.441	44,000	11,000
		5	.065"	.8678	7,414	1,854
		10	.109"	1.404	12,433	3,108
		40 & STD	.133"	1.679	15,171	3,793
		80 & E.H.	.179"	2.172	20,418	5,105
1 1/4"	1.660"	160	.250"	2.844	28,517	7,129
		DBLE. E.H.	.358"	3.659	40,837	10,209
		5	.065"	1.107	5,873	1,468
		10	.109"	1.806	9,849	2,462
		40 & STD	.140"	2.273	12,651	3,163
1 1/2"	1.900"	80 & E.H.	.191"	2.997	17,259	4,315
		160	.250"	3.765	22,590	5,648
		DBLE. E.H.	.382"	5.214	34,518	8,629
		5	.065"	1.274	5,132	1,283
		10	.109"	2.085	8,505	2,126
2"	2.375"	40 & STD	.145"	2.718	11,447	2,862
		80 & E.H.	.200"	3.631	15,789	3,947
		160	.281"	4.859	22,184	5,546
		DBLE. E.H.	.400"	6.408	31,579	7,895
		5	.065"	1.604	4,105	1,026
2"	2.375"	10	.109"	2.638	6,884	1,721
		40 & STD	.154"	3.653	9,726	2,432
		80 & E.H.	.218"	5.022	13,768	3,442
		160	.343"	7.444	21,663	5,416
		DBLE. E.H.	.436"	9.029	27,537	6,884

The ASME code suggests a safety factor of four when determining working pressure.

T304/L and T316/L pipe for temperatures between -20°F and 100°F.

E.g. 1" SCH40 = 3,793 PSI

For higher temperatures multiply working pressure by:

	300°F	500°F	1000°F
T304/L	.828	.744	.665
T316/L	.900	.853	.764