

## Free Point Calculation & CT Stretch Table

SIZE (IN.)		CROSS SECTIONAL AREA (SQ. IN.)	FREE POINT CONSTANT	SIZE (IN.)	CROSS SECTIONAL AREA (SQ. IN.)	FREE POINT CONSTANT
1.000 x	0.080	0.221	552	<b>1.750 x</b> 0.145	0.699	1,747
	0.087	0.239	598	0.156	0.745	1,862
	0.095	0.257	643	0.175	0.831	2,076
	0.102	0.275	688	0.190	0.888	2,220
	0.109	0.293	732	0.204	0.953	2,382
1.250 x	0.080	0.280	701	<b>2.000 x</b> 0.109	0.619	1,549
	0.087	0.304	761	0.116	0.659	1,647
	0.095	0.328	820	0.125	0.698	1,744
	0.102	0.351	878	0.134	0.753	1,882
	0.109	0.374	936	0.145	0.807	2,018
	0.116	0.397	993	0.156	0.861	2,153
	0.125	0.420	1,049	0.175	0.962	2,404
	0.134	0.451	1,128	0.190	1.029	2,573
	0.145	0.482	1,205	0.204	1.106	2,764
	0.156	0.512	1,281	<b>2.375 x</b> 0.125	0.837	2,092
	0.175	0.568	1,420	0.134	0.904	2,259
1.500 x	0.095	0.399	997	0.145	0.970	2,425
	0.102	0.428	1,069	0.156	1.035	2,589
	0.109	0.456	1,140	0.175	1.158	2,896
	0.116	0.484	1,211	0.190	1.241	3,103
	0.125	0.512	1,281	0.204	1.335	3,339
	0.134	0.552	1,379	<b>2.875 x</b> 0.156	1.268	3,170
	0.145	0.590	1,476	0.175	1.421	3,552
	0.156	0.629	1,572	0.190	1.524	3,810
	0.175	0.699	1,748	0.204	1.642	4,104
	0.190	0.746	1,866	<b>3.500 x</b> 0.175	1.749	4,372
1.750 x	0.109	0.538	1,344	0.190	1.877	4,694
	0.116	0.572	1,429	0.204	2.025	5,062
	0.125	0.605	1,512	0.224	2.209	5,523
	0.134	0.652	1,631	0.250	2.458	6,145

Note: Because of friction forces, which cannot be determined readily, the actual length of free pipe may be longer than calculated. The formula assumes complete absence of friction.

## CONTACT

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