

Optimum Barrel Time vs. Barrel length, mS

Node number as Parameter

	Node	Node	Node	Node	Node	Node	Node
Barrel Length, in.	1	2	3	4	5	6	7
16.0	0.5527	0.6096	0.6879	0.7458	0.8232	0.8821	0.9585
16.5	0.5691	0.6274	0.7088	0.7681	0.8485	0.9087	0.9882
17.0	0.5856	0.6452	0.7297	0.7903	0.8738	0.9354	1.0180
17.5	0.6020	0.6630	0.7506	0.8125	0.8991	0.9620	1.0477
18.0	0.6185	0.6809	0.7715	0.8348	0.9245	0.9886	1.0774
18.5	0.6350	0.6987	0.7924	0.8570	0.9498	1.0153	1.1072
19.0	0.6514	0.7165	0.8133	0.8792	0.9751	1.0419	1.1369
19.5	0.6679	0.7344	0.8341	0.9015	1.0004	1.0686	1.1666
20.0	0.6843	0.7522	0.8550	0.9237	1.0257	1.0952	1.1964
20.5	0.7008	0.7700	0.8759	0.9459	1.0510	1.1219	1.2261
21.0	0.7173	0.7878	0.8968	0.9682	1.0763	1.1485	1.2559
21.5	0.7337	0.8057	0.9177	0.9904	1.1016	1.1751	1.2856
22.0	0.7502	0.8235	0.9386	1.0126	1.1270	1.2018	1.3153
22.5	0.7666	0.8413	0.9595	1.0349	1.1523	1.2284	1.3451
23.0	0.7831	0.8591	0.9803	1.0571	1.1776	1.2551	1.3748
23.5	0.7996	0.8770	1.0012	1.0793	1.2029	1.2817	1.4046
24.0	0.8160	0.8948	1.0221	1.1016	1.2282	1.3084	1.4343
24.5	0.8325	0.9126	1.0430	1.1238	1.2535	1.3350	1.4640
25.0	0.8489	0.9305	1.0639	1.1461	1.2788	1.3617	1.4938
25.5	0.8654	0.9483	1.0848	1.1683	1.3042	1.3883	1.5235
26.0	0.8819	0.9661	1.1057	1.1905	1.3295	1.4149	1.5533
26.5	0.8983	0.9839	1.1266	1.2128	1.3548	1.4416	1.5830
27.0	0.9148	1.0018	1.1474	1.2350	1.3801	1.4682	1.6127
27.5	0.9312	1.0196	1.1683	1.2572	1.4054	1.4949	1.6425
28.0	0.9477	1.0374	1.1892	1.2795	1.4307	1.5215	1.6722
28.5	0.9642	1.0552	1.2101	1.3017	1.4560	1.5482	1.7020
29.0	0.9806	1.0731	1.2310	1.3239	1.4813	1.5748	1.7317
29.5	0.9971	1.0909	1.2519	1.3462	1.5067	1.6014	1.7614
30.0	1.0136	1.1087	1.2728	1.3684	1.5320	1.6281	1.7912
30.5	1.0300	1.1266	1.2936	1.3906	1.5573	1.6547	1.8209
31.0	1.0465	1.1444	1.3145	1.4129	1.5826	1.6814	1.8507
31.5	1.0629	1.1622	1.3354	1.4351	1.6079	1.7080	1.8804
32.0	1.0794	1.1800	1.3563	1.4573	1.6332	1.7347	1.9101
32.5	1.0959	1.1979	1.3772	1.4796	1.6585	1.7613	1.9399
33.0	1.1123	1.2157	1.3981	1.5018	1.6839	1.7879	1.9696
33.5	1.1288	1.2335	1.4190	1.5240	1.7092	1.8146	1.9994
34.0	1.1452	1.2513	1.4399	1.5463	1.7345	1.8412	2.0291
34.5	1.1617	1.2692	1.4607	1.5685	1.7598	1.8679	2.0588
35.0	1.1782	1.2870	1.4816	1.5908	1.7851	1.8945	2.0886
35.5	1.1946	1.3048	1.5025	1.6130	1.8104	1.9212	2.1183
36.0	1.2111	1.3226	1.5234	1.6352	1.8357	1.9478	2.1481