

This chart is based on the Engineering News Record (ENR) formula for pile bearing capacity and is provided as a convenience only.

Pile bearing (Tons) = $2E/(S + 0.1)/2000$, where

E = Hammer energy (given by the Saximeter formula)

S = Pile set (inch per blow)

Blow per minute	Ram Stroke (ft)	Hammer Energy (lb. ft)	Pile Set (Blows per inch)											
			1	2	3	4	5	6	7	8	9	10	11	12
52	5.06	312272	275	525	726	896	1115	1181	1330	1391	1506	1577	1629	1700
51	5.27	325323	286	547	756	934	1161	1230	1386	1449	1569	1643	1697	1771
50	5.49	339164	298	570	789	973	1211	1283	1445	1511	1636	1713	1769	1847
49	5.73	353861	311	594	823	1016	1263	1338	1507	1576	1707	1787	1846	1927
48	5.99	369487	325	621	859	1060	1319	1397	1574	1646	1782	1866	1928	2012
47	6.26	386120	340	649	898	1108	1378	1460	1645	1720	1862	1950	2014	2102
46	6.54	403850	355	678	939	1159	1442	1527	1720	1799	1948	2039	2107	2219
45	6.85	422775	372	710	983	1213	1509	1599	1801	1883	2039	2135	2206	2302
44	7.18	443005	390	744	1030	1271	1582	1675	1887	1974	2137	2237	2311	2412
43	7.53	464663	409	781	1080	1334	1659	1757	1979	2070	2241	2347	2424	2530
42	7.91	488503	430	821	1136	1402	1744	1848	2081	2176	2356	2467	2549	2660
41	8.32	513446	452	863	1194	1474	1833	1942	2187	2287	2476	2593	2679	2796
40	8.75	540283	475	908	1256	1551	1929	2043	2302	2407	2606	2728	2819	2942
39	9.22	569211	501	956	1323	1634	2032	2153	2425	2536	2745	2875	2970	3099
38	9.73	600452	528	1009	1396	1723	2144	2271	2558	2675	2896	3032	3133	3269
37	10.28	634878	559	1067	1476	1822	2267	2401	2705	2828	3062	3206	3312	3457
36	10.88	671543	591	1128	1561	1927	2397	2540	2861	2992	3239	3391	3503	3657
35	11.52	711395	626	1195	1654	2042	2540	2690	3031	3169	3431	3593	3711	3874

Caution: Driving at more than 20 blows per inch (set of 0.05 inch per blow) is considered practical refusal.