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## PILECO Diesel Hammer D125 Pile Hammer Bearing Chart

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
35	11.52	317,547	289	529	733	907	1058	1191	1308	1411	1504	1588	1663	1732
36	10.88	299,697	272	499	692	856	999	1124	1234	1332	1420	1498	1570	1635
37	10.28	283,276	258	472	654	809	944	1062	1166	1259	1342	1416	1484	1545
38	9.73	268,133	244	447	619	766	894	1005	1104	1192	1270	1341	1405	1463
39	9.22	254,140	231	424	586	726	847	953	1046	1130	1204	1271	1331	1386
40	8.75	241,184	219	402	557	689	804	904	993	1072	1142	1206	1263	1316
41	8.32	229,164	208	382	529	655	764	859	944	1019	1086	1146	1200	1250
42	7.91	217,992	198	363	503	623	727	817	898	969	1033	1090	1142	1189
43	7.53	207,591	189	346	479	593	692	778	855	923	983	1038	1087	1132
44	7.18	197,891	180	330	457	565	660	742	815	880	937	989	1037	1079
45	6.85	188,830	172	315	436	540	629	708	778	839	894	944	989	1030
46	6.54	180,354	164	301	416	515	601	676	743	802	854	902	945	984
47	6.26	172,413	157	287	398	493	575	647	710	766	817	862	903	940
48	5.99	164,963	150	275	381	471	550	619	679	733	781	825	864	900
49	5.73	157,964	144	263	365	451	527	592	650	702	748	790	827	862
50	5.49	151,382	138	252	349	433	505	568	623	673	717	757	793	826
51	5.27	145,182	132	242	335	415	484	544	598	645	688	726	760	792
52	5.06	139,337	127	232	322	398	464	523	574	619	660	697	730	760

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