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## PILECO Diesel Hammer D25 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	63,509	58	106	147	181	212	238	262	282	301	318	333	346
36	10.88	59,939	54	100	138	171	200	225	247	266	284	300	314	327
37	10.28	56,655	52	94	131	162	189	212	233	252	268	283	297	309
38	9.73	53,627	49	89	124	153	179	201	221	238	254	268	281	293
39	9.22	50,828	46	85	117	145	169	191	209	226	241	254	266	277
40	8.75	48,237	44	80	111	138	161	181	199	214	228	241	253	263
41	8.32	45,833	42	76	106	131	153	172	189	204	217	229	240	250
42	7.91	43,598	40	73	101	125	145	163	180	194	207	218	228	238
43	7.53	41,518	38	69	96	119	138	156	171	185	197	208	217	226
44	7.18	39,578	36	66	91	113	132	148	163	176	187	198	207	216
45	6.85	37,766	34	63	87	108	126	142	156	168	179	189	198	206
46	6.54	36,071	33	60	83	103	120	135	149	160	171	180	189	197
47	6.26	34,483	31	57	80	99	115	129	142	153	163	172	181	188
48	5.99	32,993	30	55	76	94	110	124	136	147	156	165	173	180
49	5.73	31,593	29	53	73	90	105	118	130	140	150	158	165	172
50	5.49	30,276	28	50	70	87	101	114	125	135	143	151	159	165
51	5.27	29,036	26	48	67	83	97	109	120	129	138	145	152	158
52	5.06	27,867	25	46	64	80	93	105	115	124	132	139	146	152

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