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## PILECO Diesel Hammer D6 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	15,242	14	25	35	44	51	57	63	68	72	76	80	83
36	10.88	14,385	13	24	33	41	48	54	59	64	68	72	75	78
37	10.28	13,597	12	23	31	39	45	51	56	60	64	68	71	74
38	9.73	12,870	12	21	30	37	43	48	53	57	61	64	67	70
39	9.22	12,199	11	20	28	35	41	46	50	54	58	61	64	67
40	8.75	11,577	11	19	27	33	39	43	48	51	55	58	61	63
41	8.32	11,000	10	18	25	31	37	41	45	49	52	55	58	60
42	7.91	10,464	10	17	24	30	35	39	43	47	50	52	55	57
43	7.53	9,964	9	17	23	28	33	37	41	44	47	50	52	54
44	7.18	9,499	9	16	22	27	32	36	39	42	45	47	50	52
45	6.85	9,064	8	15	21	26	30	34	37	40	43	45	47	49
46	6.54	8,657	8	14	20	25	29	32	36	38	41	43	45	47
47	6.26	8,276	8	14	19	24	28	31	34	37	39	41	43	45
48	5.99	7,918	7	13	18	23	26	30	33	35	38	40	41	43
49	5.73	7,582	7	13	17	22	25	28	31	34	36	38	40	41
50	5.49	7,266	7	12	17	21	24	27	30	32	34	36	38	40
51	5.27	6,969	6	12	16	20	23	26	29	31	33	35	37	38
52	5.06	6,688	6	11	15	19	22	25	28	30	32	33	35	36

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