

SPI Diesel Hammer Specifications

All data subject to change without notification

Model		D8-22	D12-42	D19-42	D25-32	D30-32	D36-32	D46-32	D62-22	D80-23	D100-13
App. piston weight	lbs	1,762	2,820	4,185	5,506	6,610	7,930	10,132	13,656	17,621	22,026
Energy per blow											
Maximum	ft.lbs.	17,668	31,335	42,498	58,280	69,937	83,926	107,236	161,594	196,923	246,155
Minimum	ft.lbs.	9,439	15,129	21,254	29,502	35,403	40,923	52,288	79,004	126,262	157,830
Blows per min											
Minimum	bl./min.	38	36	37	37	37	37	37	35	36	36
Maximum	bl./min.	52	52	52	52	52	53	53	50	45	45
Force of explosion pressure on pile max	tonf	51	61	69	131	131	170	170	181	261	261
Suitable for driving piles, up to	lbs	5,507	9,912	13,216	15,419	17,621	22,026	33,040	55,066	66,079	88,106
Permissible rope diameter for deflector sheave of tripping device max.	inch	φ0.79	φ0.79	φ0.79	φ0.87	φ0.87	φ1.50	φ1.50	φ1.50	φ1.18	φ1.18
Consumption											
Diesel fuel	gal./hr	1.00	1.20	2.00	2.11	2.64	3.04	4.23	5.28	6.60	7.93
Lubrication oil	gal./hr	0.13	0.13	0.16	0.26	0.26	0.39	0.39	0.53	0.68	0.68
Capacity											
Diesel fuel	gal.	5.3	6.3	20.0	17.7	17.7	23.5	23.5	25.8	40.9	40.9
Lubrication oil	gal.	1.6	1.7	5.0	5.0	5.0	4.5	4.5	8.3	8.4	8.4
Weight											
Hammer app.	lbs.	4295	6608	7819/8139	11740/12357	12841/13458	17181/18040	19383/20242	26145/27048	36046/37235	43656/44846
Tripping device app.	lbs.	220	220	220	396	396	881	881	881	1652	1652
Transport bracket app.	lbs.	24	24	24	44	44	70	70	160	297	297
Transport guard app.	lbs.	33	33	33	51	51	55	55	75	485	485
Tool box app.	lbs.	165	165	220	220	220	220	220	275	275	275
Dimensions											
Length of hammer a/a1	ft	15.4	15.5/18.3	15.5/18.3	17.2/20.5	17.2/20.5	17.3/20.6	17.3/20.6	19.4/22.7	20.3/23.6	21/24.1
Outer diameter of anvil b	inch	13.8	16.9	17.3	22	9.5	26	26	28	32	32
Fastening screws of guide jaws c	inch	22	22	22	30.7	30.7	34.6	34.6	32.6	43.7	43.7
Width of hammer d	inch	16.1	17.3	19	25.2	25.2	31	31	31.5	35	35
Width of guide jaws connection e	inch	12.6	12.6	12.6	21.3	21.3	25.2	25.2	30	31.5	31.5
Center of hammer to pump guard f	inch	12.4	13.2	13.6	16	16	17.5	17.5	19.3	21.7	21.7
Center of hammer to center of guide jaws g	inch	9.6	9.6	11	9.3	9.3	11	11	15	13.8	13.8
Width of hammer h	inch	23.2	24	26.2	28	28	33.4	33.4	38	43.7	43.7
Center of hammer to center lead H	inch	-	16	17.3	19.7	19.7	21	21	22	28.3	28.3

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