

HYDRAULIC BREAKERS

**T-SERIES, F AND E-SERIES,
SPD PILING HAMMERS**



SPD
SCANDINAVIAN PILE DRIVING AB

Technical specifications

T-series

Description	H90	H100	H180T	H300T	H380T	H580T	H900T	H1000	H1200T	H1500T	H1700T
Weight (kg)	135	145	180	312	380	570	890	960	1180	1470	1680
Oil flow (L/min)	15-30	25-35	24-50	34-60	40-80	45-85	85-110	90-115	100-120	120-150	120-150
Pressure (bar)	75-95	80-100	90-120	95-130	100-140	130-150	150-170	150-170	150-170	160-180	160-180
Blows per minute (B/min)	800-1400	650-1200	550-1100	450-1000	475-950	480-850	450-780	420-730	420-700	350-680	320-660
Tools (mm)	40	45	60	70	75	90	100	115	125	135	140
Excavator (t)	0,5-2,5	0,8-3,0	1,5-4,0	2,5-7,5	5,0-9	6,0-11	9,0-17	13-18	13-22	18-28	20-30
Energy (J)	180	225	325	600	700	1275	2000	2200	2950	4500	5000
Radius (m)	7	7	8	10	11	12	13	13	14	15	16
Height with tool (mm)	973	1046	1180	1362	14411	1760	1985	2070	2224	2301	2366
Hose diameter (inch)	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	1"	1"	1"	1"
Piston weight (kg)	3,86	5,1	7,5	14,6	14,9	29	43	48	68	90	97

F and E-series

Description	H1600F	H1700F	H2400F	H2800F	H1100E	H1500E	H2100E	H2800E	H3000E	H5000E	
Weight (kg)	1800	1930	2680	3150	1120	1700	2200	3200	3324	4856	
Oil flow (L/min)	120-150	120-150	160-230	190-250	90-120	125-150	150-190	180-250	190-310	250-340	
Pressure (bar)	160-180	160-180	160-180	160-185	150-170	160-180	160-180	165-185	180-210	170-190	
Blows per minute (B/min)	300-600	280-550	280-550	280-400	400-750	350-700	300-650	260-450	120-340	100-250	
Tools (mm)	137	140	155	160	120	135	150	160	165	175	
Excavator (t)	18-28	20-30	28-40	32-45	13-20	18-25	27-40	32-45	35-50	50-65	
Energy (J)	4600	5100	6100	8900	2800	4800	6000	9000	10500	12500	
Radius (m)	15	16	17	18	14	15	16	17	19	20	
Height with tool (mm)	2350	2366	2728	2820	2035	2305	2620	2765	3000	3280	
Hose diameter (inch)	1"	1"	1 1/4"	1 1/4"	3/4"	1"	1	1 1/4"	1 1/4"	1 1/4"	
Piston weight (kg)	97	115	135	171	69,5	102	138	172	179	185	

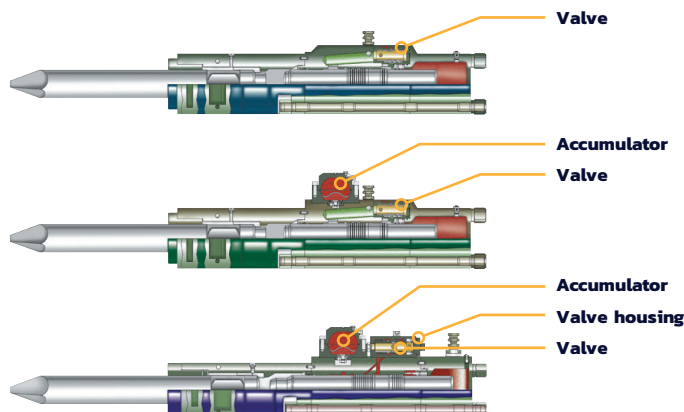
SPD Piling Hammers

Description	SPD150	SPD200	SPD300	SPD350	SPD400	SPD1000	SPD1500	SPD2000	SPD3600	SPD4000	SPD5000
Weight (kg)	130	260	370	410	580	940	1370	1790	2240	2860	4000
Oil flow (L/min)	20-30	20-50	30-50	40-80	45-90	80-100	90-120	130-150	190-250	190-250	250-310
Pressure (bar)	80-110	90-120	90-130	100-130	130-150	150-170	150-180	160-180	160-180	160-180	160-180
Blows per minute (B/min)	600-1200	550-1200	450-900	450-900	450-800	450-800	400-900	400-800	350-700	300-600	250-450
Tools (mm)	45	53	68	75	85	100	120	135	150	160	175
Excavator (t)	0,8-3,0	1,0-3,5	2,0-7,0	3,5-9,0	6,0-11,0	9,0-12,0	13,8-18,0	18,0-26,0	28,0-35,0	33,0-50,0	45,0-55,0
Energy (J)	400	480	849	1210	1764	2443	4234	5290	7200	9970	13125
Radius (m)	7	7	8	10	11	12	13	13	14	15	16
Height with tool (mm)	1110	1220	1386	1479	1726	2053	2090	2320	2574	2856	3291
Hose diameter (inch)	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	1"	1"	1"	1 1/4"	1 1/4"
Piston weight (kg)	5,4	7,8	14,8	19	29,5	42,2	69	101	136	173	181

All technical data can be changed without notification.

Functions

- » SPD Piling Hammers is environmental friendly hammer series, which offer low noise level, high impact power, and is the ideal piling tool
- » The energy of piston stroke is accumulated due to charged nitrogen gas in the backhead.
- » The hammers have high piston weight because it's needed when piling.
- » Accumulator as high pressure surge dampener, it's for protecting pump output of base machine.



All our hammers always include:

- 2 pcs std tools,
- 2 pcs std hoses,
- 1 top bracket,
- 1 set of Nitrogen filling set,
- 1 pcs of tool box,
- 1 pcs manual,
- 1 pcs spare parts list

Highest quality

SPD uses the highest quality materials which are machined by our experienced technicians utilizing state-of-the-art manufacturing technology and production machinery. SPD's stringent quality control procedures ensure superior quality hydraulic hammers.

- Precision machining
- Strict monitoring of temperatures and time intervals for multi-phase heat treatment processes
- Precision welding of hammer holders, hammer brackets and adapters
- Stringent, continuous quality control checks and comprehensive final testing of all SPD hydraulic hammers prior to delivery.

Valve

Valve housing.
Accumulator.

Tie rod

Dynamic screw design prevents damage

Accumulator

Reduces irregular pulse pressure on hydraulic circuit.
Improved striking power with supply of accumulated gas pressure.

Extended piston stroke

Smoother operation.
Minimal repercussion on carrier.

Improved properties (Piston)

Improved emergency running properties.
Manufactured with high-quality nickel and vanadium alloy steel.

SPD tool

Exceptional performance and reliability.
Manufactured with high-quality alloy steel.

Back Head

Start-up safety – Power accumulator.

Lubrication adequate for entire shift

Reduced wear and tear.
Consistent availability due to extended maintenance intervals.

Cylinder & Valve

Prevents scoring with precision finishing treatment.



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