

# HPH 1200 and 2400 Hydraulic Drop Hammers

Hydraulic Drop Hammers have replaced Diesel and Pneumatic Hammers for driving all steel pile sections particularly in cohesive soils or very dense non-cohesive soils. Sheet piles can be installed conventionally that is to say using panel-driving techniques, which are considered to be best practice for achieving tight tolerances and for driving piles to level through difficult ground conditions with less pile head damage.

The DCP range of hammers combine the high energy outputs of larger hammers with compact size, low weight and an ability to drive most sections in singles or pairs with standard legs and inserts.

Typical noise level at 15m – 90dBA  
(Pneumatic Hammer – 105dBA)



## ADVANTAGES

- High energy input to pile
- Low cost due to high outputs
- Reliable, no electrics on hammer
- Lower noise levels than Diesel or Air Hammers
- Vibration can be comparable to Vibrating Hammer

## HPH 1200 and 2400 Hydraulic Drop Hammers

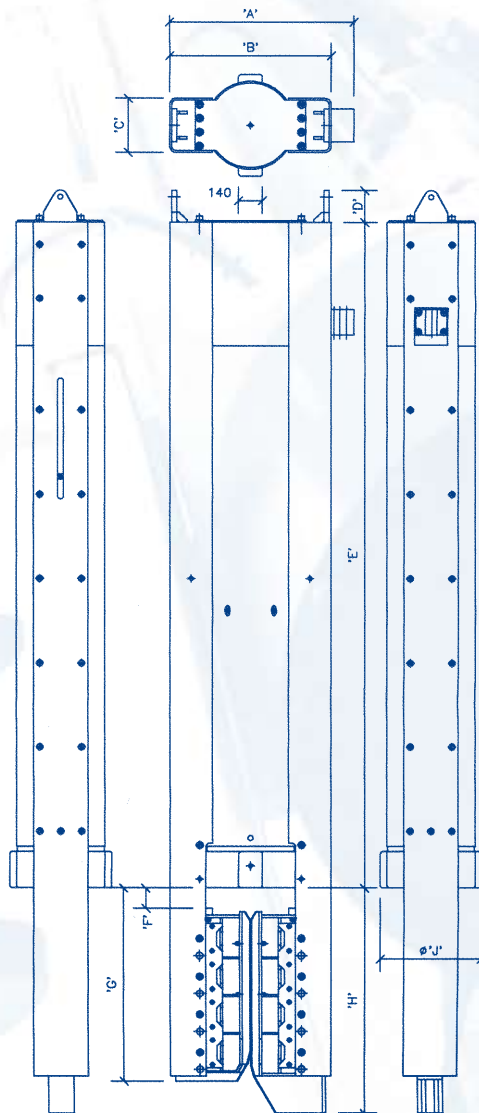
HAMMER SPECIFICATION	HPH 1200	HPH 2400
Ram weight	1040 kg	1900kg
Stoke	720 mm	720 mm
Impact velocity	4.76 m/s	4.98m/s
Max. energy transferred to pile	1200 kg.m	2400 kg.m
Min. energy transferred to pile	642 kg.m	978 kg.m
Blow count	70 – 120 bpm	80 – 140bpm
Length, leader mounted	3800 mm	4430 mm
Length, freely mounted	4670 mm	5300 mm
Body diameter	406 mm	520 mm
Weight, freely suspended	3000 kg	6000 kg
POWER PACK		
Diesel engine	40 kw	90 kw
Hydraulic pressure (max.)	240 bar	240 bar
Hydraulic flow - open circuit	75 l/min	2x75 l/min
Size length	1900 mm	2750 mm
width	1400 mm	1400 mm
height	1800 mm	1800 mm
Weight	2000 kg	3000 kg

### Pile configurations – HPH1200

All Larssen sheet piles in singles/pairs with Std. leg inserts  
 All Fordingam sheet piles in singles/pairs with Std. leg inserts  
 H-piles 305x305 upwards with Std. leg inserts  
 H-piles smaller than 350x305 with special leg inserts  
 Concrete & timber piles up to 350x350 with Std. legs  
 Tubular piles up to Ø410 with Std. legs  
 Special legs & inserts available on request

### Pile configurations – HPH2400

Larssen LX's, W's and 6 in singles/pairs with Std. inserts  
 all Fordingam pairs with Std. inserts  
 Concrete & timber piles up to 530x530 with Std. legs  
 Tubular piles up to Ø530 with Std.legs  
 Special leg guides & inserts available on request



DIMENSION mm	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'
HPH1200	800	700	280	130	3532	90	1130	950	500
HPH2400	1085	950	320	190	3950	120	1145	1335	600