

Hydraulic Impact Hammers

BSP International Foundations

ThyssenKrupp Steelcom represent BSP International Foundations, one of the world's foremost manufacturers of pile driving and earth boring equipment. Hydraulic hammers have energy outputs from 20kNm to 530kNm and offer an economical solution for the installation of all steel and concrete piles in either land or marine environments.

Picture right: SL30 Hammer with 2.5 tonne dropweight.

Hammers in red denote those currently in our hire fleet. The full range of hammers listed is available for sale.

BSP SL20da

1.5 tonne double acting hydraulic hammer designed to drive single sheet piles with a maximum impact weight of 1,850kgm. Supplied with a 53KW power pack the lightweight design of this hammer allows it to fit on small capacity cranes.

BSP SL30da

2.5 tonne hydraulic hammer designed to drive sheet piles and small bearing piles of concrete steel or timber. Supplied with a 53KW power pack. Available with legs and inserts for use freely suspended or with back-guides for operating from a piling mast.

BSP CX Range

The hammers are designed to operate from piling rig leaders or crane suspended and are suitable to drive sheet piles in pairs, tubular bearing piles, H piles, combi piles, reinforced concrete RC piles, cast in situ CIS piles and timber piles.

BSP CG Range

The CG range of piling hammers is designed for driving a variety of bearing piles including steel tube, combi piles, 'H' sections and reinforced / pre stressed concrete piles. Operated from piling rig leaders or crane suspended.

BSP SL Hammers 1.5-2.5 T Dropweight			
Technical Specifications	SL20da	SL30da	
Dropweight Mass	kg	1500	2500
Maximum energy	kJ	20	30
Blow rate @ maximum energy	blow/min	84	84
Equivalent SA stroke	m	0.1 - 1.35	0.1 - 1.25
Hammer weight	kg	4100	5400
Hammer length (with legs)	m	4970	5970
Hammer width	m	0.824	0.824
Power Pack			
Engine power	kw	110	110
Weight	kg	1500	1500



BSP CX Hammers 3-9 T Dropweight					
Technical Specifications	CX 50	CX 60	CX 85	CX 110	
Dropweight Mass	kg	4000	5000	7000	9000
Maximum energy	kJ	51	60	83	106
Blow rate @ maximum energy	blow/min	45/100	43/100	40/100	36/100
Hammer weight less helmet	kg	6700	8085	10000	12,160
Hammer length	m	4.345	5.195	5.195	7.700
Hammer width	m	0.87	0.87	0.87	0.87
Hammer depth	m	0.87	0.87	0.87	0.87
Power Pack					
Engine power	kw	125	125	125	125
Hydraulic pressure	bar	300	300	300	300
Hydraulic supply	l/min	215	215	215	215
Fuel tank capacity	l	260	260	260	260
Hydraulic oil tank capacity	l	345	345	345	345
Length	m	2.5	2.5	2.5	2.5
Width	m	1.1	1.1	1.1	1.1
Transport height	m	2.14	2.14	2.14	2.14
Weight without fuel	kg	2250	2250	2250	2250
Weight full	kg	2750	2750	2750	2750

BSP CG Hammers 11-20 T Dropweight					
Technical Specifications	CG 180	CG 210	CG 240	CG 300	
Dropweight Mass	kg	12,000	14,000	16,000	20,000
Maximum energy	kJ	176	206	240	295
Blow rate @ maximum energy	blow/min	34/100	36/100	34/100	34/100
Hammer weight less helmet	kg	17,300	19,350	21,700	26,000
Hammer length	m	6.270	6.600	6.930	7.590
Hammer width	m	1.250	1.250	1.250	1.250
Hammer depth	m	1.250	1.250	1.250	1.250
Power Pack					
Engine power	kw	261	261	261	261
Hydraulic pressure	bar	300	300	300	300
Hydraulic supply	l/min	450	450	450	450
Fuel tank capacity	l	430	430	430	430
Hydraulic oil tank capacity	l	930	930	930	930
Length	m	3.6	3.6	3.6	3.6
Width	m	1.55	1.55	1.55	1.55
Transport height	m	2.36	2.36	1.55	2.36
Weight without fuel	kg	4400	4400	4400	4400
Weight full	kg	5600	5600	5600	5600

* Our hire fleet changes as it is regularly updated and hammers are often sold and replaced. Please contact our staff to discuss your needs.