

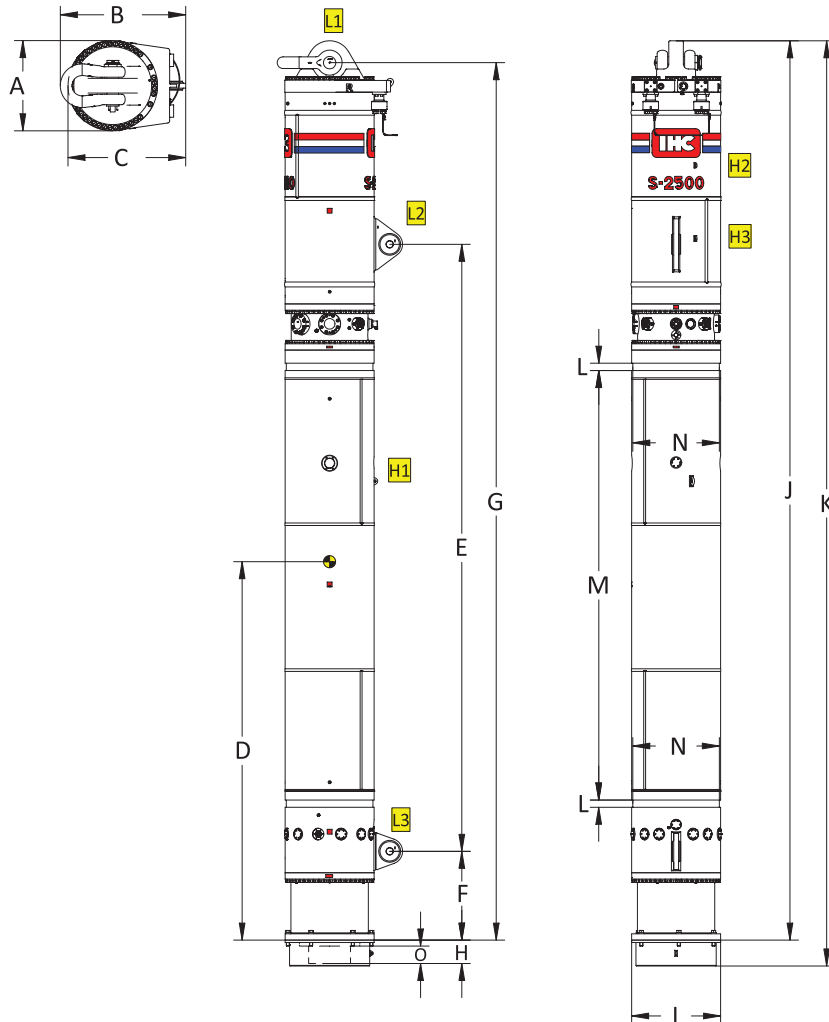
HYDROHAMMER® S-2500

Application:

Hydrohammer® for steel piles

Piling free hanging in air and underwater

concept sheet no. 1.1.10123
 revision 1
 date October, 2018
 page 1/2
 code no. 85 44 00 02



POS. DESCRIPTION	LENGTH [MM]	POS. DESCRIPTION	LENGTH [MM]
A Transport width	1860	I Outer diameter	1830
B Transport height (with shackle)	2580	J Length	18490
C Transport height (without shackle)	2420	K Transport length (incl. cover)	19025
D Centre of gravity	7985	L Height ballast collar	150
E Position lifting eyes	12480	M Position ballast cover	8830
F Position lifting eyes	1825	N Diameter ballast collar	1780
G Length under crane hook	18040	O Fall out ram weight pin	245
H Required length in sleeve	500		

POS. LIFTING EYES	WORKING LOAD LIMIT [TONS]	HOLE DIAM. Ø [MM]	THICKNESS [MM]
L1	1000	250	300
L2/L3	250	145	185
H1	17	43	45
H2/H3	6,5	26	30

Use Green Pin® Heavy duty (type P- 6036) for Top Shackle



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page 2/2
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OPERATING DATA

Max. net energy	2500 kJ
Min. net energy	270 kJ
Blow rate	24 - 28 Blows/min
At max. energy and recommended oil flow	

WEIGHT

Ram	125 tons
Hammer (incl. ram, in air)	260 tons
Hammer (incl. ram, in salt water) (Only if fully submerged)	210 tons

HYDRAULIC DATA

Operating pressure	325 bar
Max. pressure	350 bar
Recommended oil flow	3300 - 4400 l/min
Power pack, back pressure valve setting	20 - 25 bar
Power pack, back pressure valve	activated

GAS FILLING PRESSURE

Vertical pile driving only! Values will vary for:
- pile driving under different angles with the vertical,
- pile driving underwater depending on water depth.

Supply accumulator (Nitrogen)	150 - 170 bar
Return accumulator (Nitrogen):	
- with activated back pressure valve*	10 - 15 bar
- without back pressure valve	Not applicable
Cap (Nitrogen or Air)	30 - 40 bar

SAFETY SETTING

Cap	60 bar
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HOSE CONNECTIONS

Oil supply 4x2½" hose (4xP)	M82x2 male
Oil return 4x2½" hose (4xR)	M82x2 male
Air to cap (CA)	M42x2 male

Alternative hose set; Using a reducing ring and a male stud coupling

Oil supply 4x2" hose (4xP)	M68x2 male
Oil return 4x2" hose (4xR)	M68x2 male

* NOTE

IHC IQIP recommends to use a back pressure in the return line of the hydraulic system circuit while pile driving.
In case a power pack does not have a back pressure valve installed, it is recommended to install one.



IHC IQIP BV

P.O. Box 204, 3360 AE Sliedrecht
Molendijk 94, 3361 EP Sliedrecht
The Netherlands

T +31 88 015 50 00
info.iqip@ihciqip.com
www.ihciqip.com