

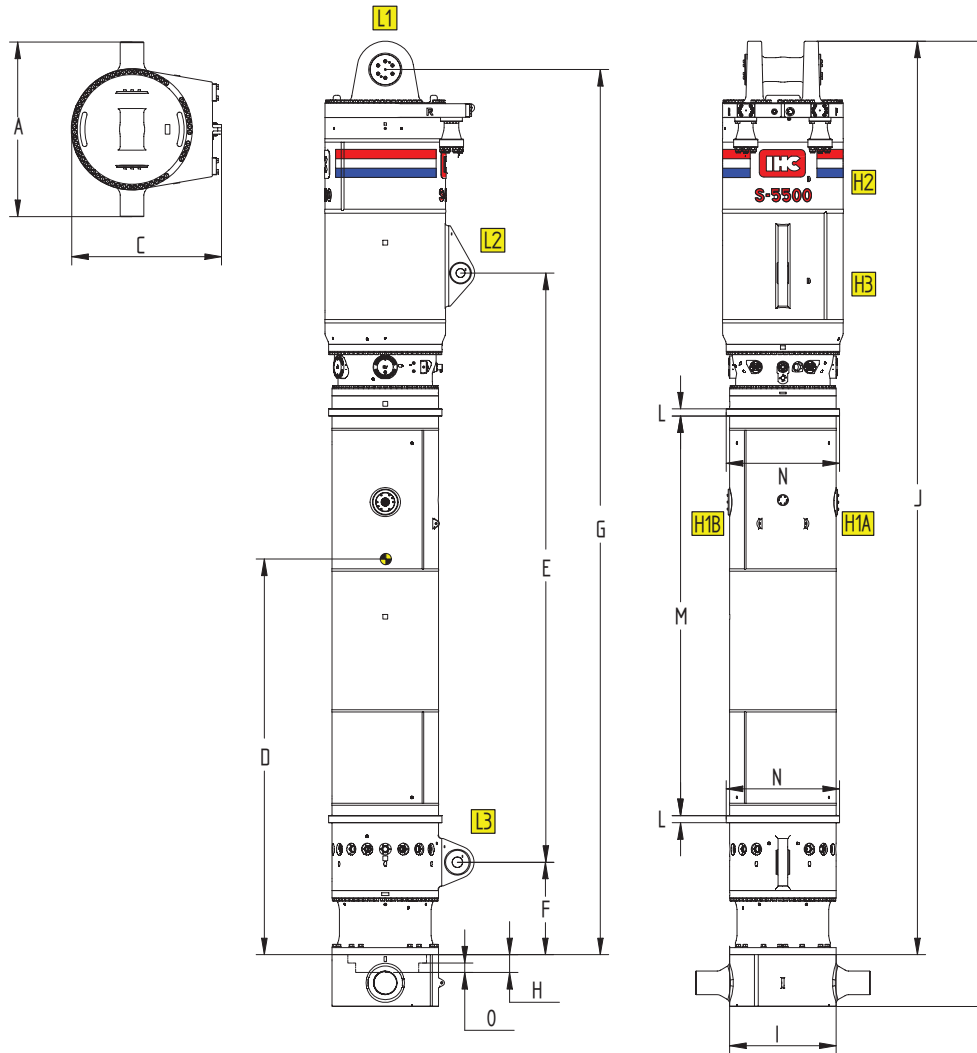
HYDROHAMMER® S-5500 CONCEPT

Application:

Hydrohammer® for steel piles

Piling free hanging in air and underwater

concept sheet no. 1.1.10120
 revision 1
 date July, 2018
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 code no. 85 49 00 00



POS. DESCRIPTION	LENGTH [MM]	POS. DESCRIPTION	LENGTH [MM]
A Transport width	3690	I Outer diameter	2250
C Transport height	3175	J Length	22465
D Centre of gravity	9790	K Transport length (incl. up ending cap)	23560
E Position lifting eyes	15610	L Height ballast collar	150
F Position lifting eyes	1955	M Position ballast cover	11600
G Length under crane hook	21865	N Diameter ballast collar	2395
H Required length in sleeve	375	O Fall out ram weight pin	200

POS. LIFTING EYES	WORKING LOAD LIMIT [TONS]	HOLE DIAM. Ø [MM]	THICKNESS [MM]
L1*	1250	-	-
L2	500	185	240
L3	700	220	290
H1A/H1B	17	43	45
H2/H3	6,5	26	30

*Use soft sling for top lifting



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OPERATING DATA

Max. net energy	5500 kJ
Min. net energy	600 kJ
Blow rate	25 Blows/min
At max. energy and recommended oil flow	

WEIGHT

Ram	275 tons
Hammer (incl. ram, in air)	525 tons
Hammer (incl. ram, in salt water) (Only if fully submerged)	430 tons

HYDRAULIC DATA

Operating pressure	330 bar
Max. pressure	350 bar
Max. oil flow	6600 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)	180 - 200 bar
Return accumulator (Nitrogen):	
- with activated back pressure valve*	10 - 15 bar
- without back pressure valve	Not applicable
Cap (Nitrogen or Air)	45 - 50 bar

SAFETY SETTING

Cap	45 bar
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HOSE CONNECTIONS

Oil supply 6x3" hose (6xP)	M100x2 male
Oil return 6x3" hose (6xR)	M100x2 male
Air to cap (CA)	M52x2 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.



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