

Hydrohammer® S-500

Application:

Hydrohammer® for steel piles

Piling free hanging in air and underwater

data sheet no.

1.1.10013

revision

8

date

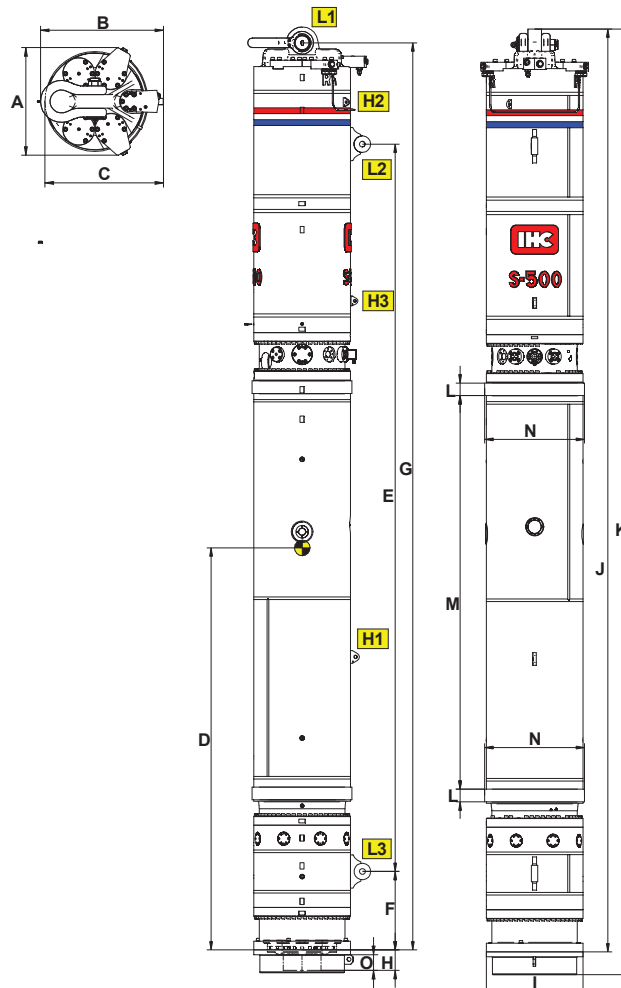
June, 2016

page

1/2

code no.

85 31 00 02



Pos.	Description	Length [mm]
A	Transport width	1360
B	Transport height (with shackle)	1555
C	Transport height (without shackle)	1500
D	Centre of gravity	5051
E	Position lifting eyes	9185
F	Position lifting eyes	990
G	Length under crane hook	11455
H	Required length in sleeve	260

Pos.	Description	Length [mm]
I	Outer diameter	1220
J	Length	11655
K	Transport length (incl. cover)	11943
L	Height ballast collar	160
M	Position ballast collar	4970
N	Diameter ballast collar	1260
O	Fall out ram weight pin	200

Pos.	Lifting eyes	Working Load Limit [tons]	Hole diam. Ø [mm]	Thickness [mm]
L1		250	145	170
L2/ L3		55	74	80
H1		13,5	40	45
H2		6,5	26	30
H3		9,5	33	40

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



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page	2/2
code no.	85 31 00 02

Operating data:

Max. net energy	500 kJ
Min. net energy	55 kJ
Blow rate	45 Blows/min
At max. energy and recommended oil flow	

Weight

Ram	25 tons
Hammer (incl. ram, in air)	60 tons
Hammer (incl. ram, in salt water) (Only if fully submerged)	46 tons

Hydraulic data

Operating pressure	310 bar
Max. pressure	350 bar
Recommended oil flow	1600 l/min
Power pack, back pressure valve setting	18 - 22 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)	140 - 170 bar
Return accumulator (Nitrogen):	
- with activated back pressure valve*	13 - 17 bar
- without back pressure valve	3 - 5 bar
Cap (Nitrogen or Air)	20 - 32 bar

Safety setting

Cap	60 bar
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Hose connections

Oil supply 2x2" hose (P)	M68x2 male
Oil return 2x2" hose (R)	M68x2 male
Air to cap (CA)	M42x2 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.