

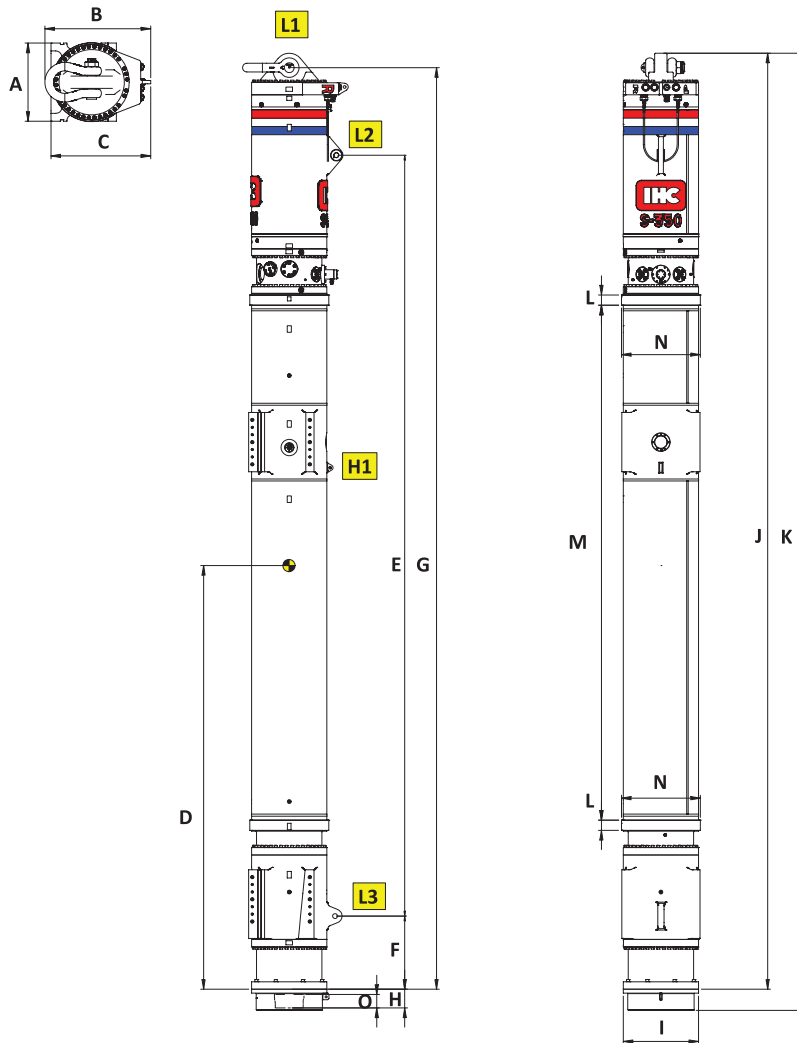
HYDROHAMMER® S-350

Application:

Hydrohammer® for steel piles

Piling free hanging in air and underwater

concept sheet no. 1.1.10121
 revision 2
 date May, 2018
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POS. DESCRIPTION	LENGTH [MM]	POS. DESCRIPTION	LENGTH [MM]
A Transport width	950	I Outer diameter	915
B Transport height (with shackle)	1285	J Length	11384
C Transport height (without shackle)	1174	K Transport length (incl. cover)	11642
D Centre of gravity	5140	L Height ballast collar	125
E Position lifting eyes	9255	M Position ballast cover	6262
F Position lifting eyes	890	N Diameter ballast collar	960
G Length under crane hook	11209	O Fall out ram weight pin	165
H Required length in sleeve	228		

POS. LIFTING EYES	WORKING LOAD LIMIT [TONS]	HOLE DIAM. Ø [MM]	THICKNESS [MM]
L1	150	114	145
L2	42,5	68	90
L3	35	60	75
H1	6,5	26	30

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



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OPERATING DATA

Max. net energy	350 kJ
Min. net energy	39 kJ
Blow rate	40 Blows/min
At max. energy and recommended oil flow	

WEIGHT

Ram	18 tons
Hammer (incl. ram, in air)	36 tons
Hammer (incl. ram, in salt water) (Only if fully submerged)	29 tons

HYDRAULIC DATA

Operating pressure	310 bar
Max. pressure	350 bar
Max. oil flow	800 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	4 - 6 bar
Cap (Nitrogen or Air)	20 - 25 bar

SAFETY SETTING

Cap	60 bar
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HOSE CONNECTIONS

Oil supply 2" hose P (red)	M68x2 male
Oil return 2" hose R (blue)	M68x2 male
Nitrogen (Air) cap R ¾"	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.

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