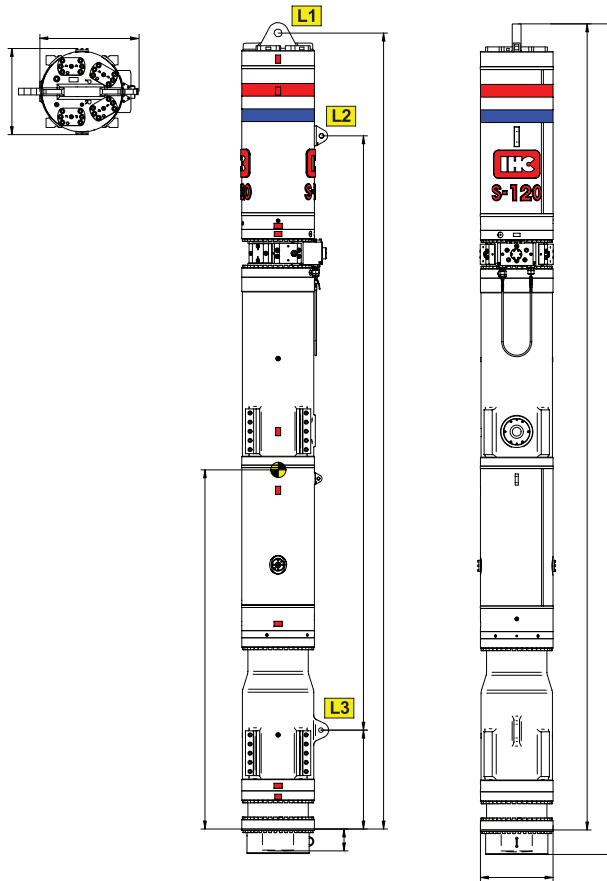


HYDROHAMMER® S-120

Application:

Hydrohammer® Leader guided for steel piles
Piling free hanging in air and underwater

data sheet no. 1.1.10008
 revision 8
 date March, 2019
 page 1/2
 code no. 85 18 00 03



POS. DESCRIPTION	LENGTH [MM]	POS. DESCRIPTION	LENGTH [MM]
A Transport width	762	G Length under crane hook	7825
C Transport height	861	H Required length in sleeve	215
D Centre of gravity	3530	I Outer diameter	712
E Position lifting eyes	5845	J Length	7925
F Position lifting eyes	972	K Transport length (incl. cover)	8170
		O Fall out ram weight	150

POS. LIFTING EYES	WORKING LOAD LIMIT [TONS]	HOLE DIAM. Ø [MM]	THICKNESS [MM]
L1	55	74	80
L2	17	43	45
L3	17	45	55

Standard (type G-4163) for Top Shackle



HYDROHAMMER® S-120

data sheet no.	1.1.10008
revision	8
date	March, 2019
page	2/2
code no.	85 18 00 03

OPERATING DATA

Max. net energy	120 kJ
Min. net energy	12 kJ
Blow rate	44 Blows/min

At max. energy and recommended oil flow

WEIGHT

Ram	6 tons
Hammer (incl. ram, in air)	14,5 tons
Hammer (incl. ram, in salt water) (Only if fully submerged)	11,5 tons

HYDRAULIC DATA

Operating pressure	250 bar
Max. pressure	350 bar
Max. oil flow	460 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)	150 - 170 bar
Return accumulator (Nitrogen):	
- with activated back pressure valve*	13 - 17 bar
- without back pressure valve	4 - 5 bar
Cap (Nitrogen or Air)	12 - 16 bar

SAFETY SETTING

Cap	40 bar
-----	--------

HOSE CONNECTIONS

Oil supply 1 1/2" hose (P)	M52x2 male
Oil return 1 1/2" hose (R)	M52x2 male
Air to cap (CA)	R 3/4" 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