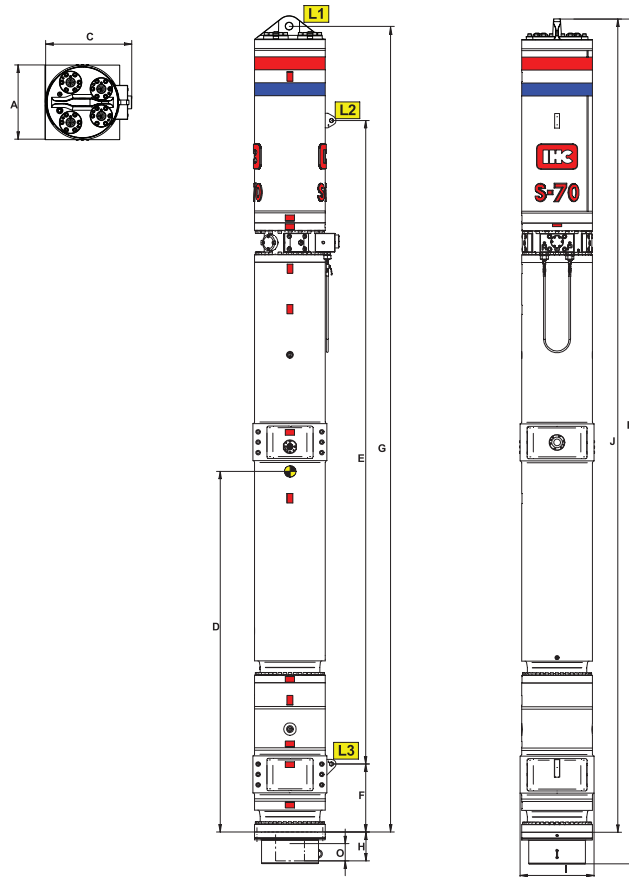


# HYDROHAMMER® S-70

Application:

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

data sheet no. 1.1.10004  
 revision 6  
 date March, 2019  
 page 1/2  
 code no. 85 10 00 05



POS. DESCRIPTION	LENGTH [MM]	POS. DESCRIPTION	LENGTH [MM]
A Transport width	640	G Length under crane hook	6950
C Transport height	875	H Required length in sleeve	250
D Centre of gravity	3120	I Outer diameter	640
E Position lifting eyes	5565	J Length	7030
F Position lifting eyes	588	K Transport length (incl. cover)	7305
		O Fall out ram weight	150

POS. LIFTING EYES	WORKING LOAD LIMIT [TONS]	HOLE DIAM. Ø [MM]	THICKNESS [MM]
L1	25	56	70
L2/L3	9,5	33	40

Standard (type G-4163) for Top Shackle



# HYDROHAMMER® S-70

data sheet no.	1.1.10004
revision	6
date	March, 2019
page	2/2
code no.	85 10 00 05

## OPERATING DATA

Max. net energy	70	kJ
Min. net energy	7	kJ
Blow rate	50	Blows/min

At max. energy and recommended oil flow

## WEIGHT

Ram	3,5	tons
Hammer (incl. ram, in air)	8,5	tons
Hammer (incl. ram, in salt water) (Only if fully submerged)	6,25	tons

## HYDRAULIC DATA

Operating pressure	300	bar
Max. pressure	350	bar
Max. oil flow	250	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 - 5	bar
Cap (Nitrogen or Air)	12 - 15	bar

## SAFETY SETTING

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

## HOSE CONNECTIONS

Oil supply 1 <sup>1</sup> / <sub>4</sub> " hose (P)	M52x2 male
Oil return 1 <sup>1</sup> / <sub>4</sub> " hose (R)	M52x2 male
Air to cap (CA)	R <sup>3</sup> / <sub>4</sub> " 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