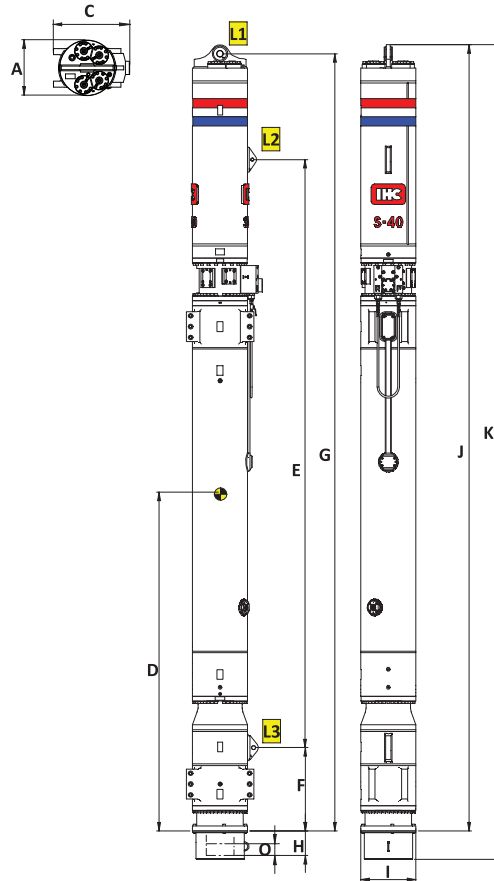


# HYDROHAMMER® S-40

Application:

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

data sheet no. 1.1.10118  
 revision 2  
 date March, 2019  
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 code no. 85 07 00 01



POS. DESCRIPTION	LENGTH [MM]	POS. DESCRIPTION	LENGTH [MM]
A Transport width	462	G Length under crane hook	6464
C Transport height	633	H Required length in sleeve	206
D Centre of gravity	2820	I Outer diameter	457
E Position lifting eyes	4891	J Length	6539
F Position lifting eyes	692	K Transport length (incl. cover)	6777
		O Fall out ram weight	100

POS. LIFTING EYES	WORKING LOAD LIMIT [TONS]	HOLE DIAM. Ø [MM]	THICKNESS [MM]
L1	25	52	70
L2	6,5	26	32
L3	9,5	33	45

Standard (type G-4163) for Top Shackle



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## OPERATING DATA

Max. net energy	40	kJ
Min. net energy	4	kJ
Blow rate	65	Blows/min
At max. energy and recommended oil flow		

## WEIGHT

Ram	2,2	tons
Hammer (incl. ram, in air)	4,8	tons
Hammer (incl. ram, in salt water) (Only if fully submerged)	3,6	tons

## HYDRAULIC DATA

Operating pressure	280	bar
Max. pressure	350	bar
Recommended oil flow	175	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)	130 - 140	bar
Return accumulator (Nitrogen):		
- with activated back pressure valve*	13 - 17	bar
- without back pressure valve	3 - 5	bar
Cap (Nitrogen or Air)	14 - 16	bar

## SAFETY SETTING

Cap	40	bar
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## HOSE CONNECTIONS

Oil supply 1" hose (P)	M42x2 male
Oil return 1" hose (R)	M42x2 male
Nitrogen to cap (CA)	R ¾" 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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