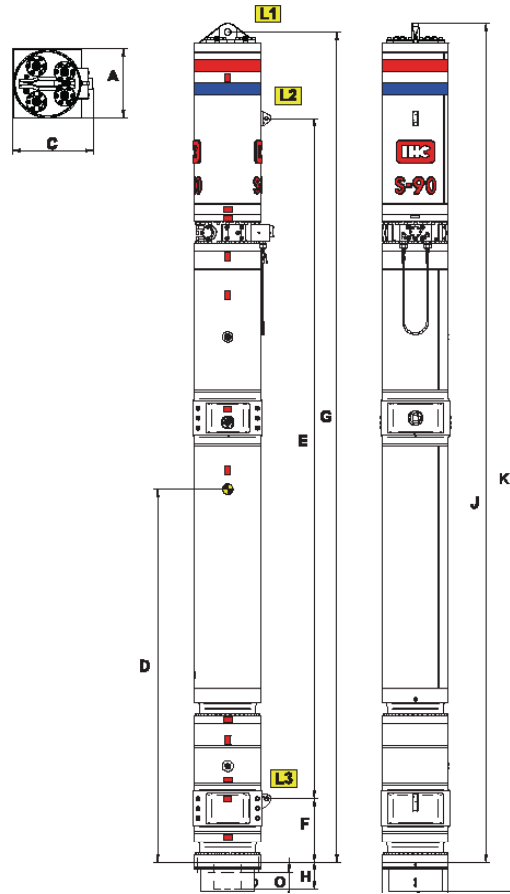


HYDROHAMMER® S-90

Application:

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

data sheet no. 1.1.10006
 revision 6
 date March, 2019
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 code no. 85 11 00 07



POS. DESCRIPTION	LENGTH [MM]	POS. DESCRIPTION	LENGTH [MM]
A Transport width	640	G Length under crane hook	7700
C Transport height	745	H Required length in sleeve	250
D Centre of gravity	3460	I Outer diameter	610
E Position lifting eyes	6315	J Length	7780
F Position lifting eyes	590	K Transport length (incl. cover)	8055
		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



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OPERATING DATA

Max. net energy	90 kJ
Min. net energy	9 kJ
Blow rate	46 Blows/min

At max. energy and recommended oil flow

WEIGHT

Ram	4,5 tons
Hammer (incl. ram, in air)	10 tons
Hammer (incl. ram, in salt water) (Only if fully submerged)	7,75 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 - 16 bar

SAFETY SETTING

Cap	40 bar
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HOSE CONNECTIONS

Oil supply 1 ¹ / ₄ " hose (P)	M52x2 male
Oil return 1 ¹ / ₄ " 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.



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