HYDROHAMMER® S-40

Application:

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

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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
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) 3,6 tons
(Only if fully submerged)

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

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.