**HYDROHAMMER® S-3000**

**Application:**

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

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**Use Green Pin® Heavy duty (type P-6036) for Top Shackle**

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<table>
<thead>
<tr>
<th>POS. DESCRIPTION</th>
<th>LENGTH [MM]</th>
<th>POS. DESCRIPTION</th>
<th>LENGTH [MM]</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Transport width</td>
<td>1860</td>
<td>I Outer diameter</td>
<td>1830</td>
</tr>
<tr>
<td>B Transport height (with shackle)</td>
<td>2580</td>
<td>J Length</td>
<td>20220</td>
</tr>
<tr>
<td>C Transport height (without shackle)</td>
<td>2420</td>
<td>K Transport length (incl. cover)</td>
<td>20755</td>
</tr>
<tr>
<td>D Centre of gravity</td>
<td>8770</td>
<td>L Height ballast collar</td>
<td>150</td>
</tr>
<tr>
<td>E Position lifting eyes</td>
<td>14210</td>
<td>M Position ballast cover</td>
<td>10560</td>
</tr>
<tr>
<td>F Position lifting eyes</td>
<td>1825</td>
<td>N Diameter ballast collar</td>
<td>1780</td>
</tr>
<tr>
<td>G Length under crane hook</td>
<td>19770</td>
<td>O Fall out ram weight pin</td>
<td>245</td>
</tr>
<tr>
<td>H Required length in sleeve</td>
<td>500</td>
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</tbody>
</table>

**POS. LIFTING EYES | WORKING LOAD LIMIT [TONS] | HOLE DIAM. Ø [MM] | THICKNESS [MM]**

<table>
<thead>
<tr>
<th></th>
<th>1000</th>
<th>250</th>
<th>145</th>
<th>43</th>
<th>26</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1</td>
<td>6,5</td>
<td>30</td>
<td></td>
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<tr>
<td>L2/L3</td>
<td>250</td>
<td>145</td>
<td>185</td>
<td>45</td>
<td></td>
</tr>
<tr>
<td>H1</td>
<td>17</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>H2/H3</td>
<td>17</td>
<td>45</td>
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Data sheet no. 1.1.10122
Revision 2
Date October, 2018
Page 1/2
Code no. 85 45 00 01
OPERATING DATA

Max. net energy  3000 kJ
Min. net energy  382 kJ
Blow rate  28 - 35 Blows/min
At max. energy and recommended oil flow

WEIGHT

Ram  150 tons
Hammer (incl. ram, in air)  290 tons
Hammer (incl. ram, in salt water)  235 tons
(Only if fully submerged)

HYDRAULIC DATA

Operating pressure  330 - 350 bar
Max. pressure  350 bar
Recommended oil flow  4000 - 5100 l/min
Power pack, back pressure valve setting  20 - 25 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)  170 - 190 bar
Return accumulator (Nitrogen):
- with activated back pressure valve*  10 - 15 bar
- without back pressure valve  Not applicable
Cap (Nitrogen or Air)  36 - 42 bar

SAFETY SETTING

Cap  60 bar

HOSE CONNECTIONS

Oil supply 4x2½” hose (4xP)  M82x2 male
Oil return 4x2½” hose (4xR)  M82x2 male
Air to cap (CA)  M42x2 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.