HÄNDLE souring plant excavators for cross and longitudinal dredging - efficient system for storing and retrieving raw materials

Souring plant excavators for cross and longitudinal dredging

EKBL/ EKBQ
The HÄNDLE souring plant excavator series

HÄNDLE’s line of souring plant excavators includes a series of type-EKBL longitudinal-dredging excavators and a collection of type-EKBQ cross dredgers. Both type series are available with 30-, 45-, 60-, 75- or 100-liter buckets corresponding to discharge capacities of 45, 60, 80, 100 or 130 m³/h. Custom-sized buckets can be provided with volumetric capacities of up to 200 l. Longitudinal souring plants are the most-used type of dredging retrieval system. They offer storage capacities ranging from roughly 1000 to 15000 m³.

Longitudinal-dredging excavators come with ladder lengths ranging from 7 m to 18 m and a maximum swivel range of 90° (+45° to -45°).

Cross-dredging souring plants enable optimal blending. Their storage capacities range between 3000 and 35000 m³. The cross dredger and its excavator traverser are designed for basin widths of 10 to 30 m and basin depths of 6 to 11 m.

Defining characteristics

- Sturdy, heavy weldment, as required for smooth operation of dredger and traverser
- Bucket-position detection via inclination sensor
- Ladders raised and lowered by hydraulic action and two-stage lifting speed control
- Tapered buckets with curve transitions between bottom and sides for optimal emptying
- Plastic wear plates providing lateral guidance for the bucket chain
- Automatic bucket-chain lubrication with sprayed oil/air (on-chain sensing of lube points)

Efficient system for storing and retrieving raw materials: HÄNDLE’s new longitudinal-dredging excavator program

Technical data

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Bucket capacity</th>
<th>Bulk excavator capacity</th>
<th>Ladder length</th>
<th>Ladder swivel range¹</th>
<th>Basin depth / width</th>
<th>Power requirement excavator chain kW</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Liter</td>
<td>m³/h</td>
<td>m</td>
<td>degrees</td>
<td>m</td>
<td></td>
</tr>
<tr>
<td>EKBL</td>
<td>30 - 150</td>
<td>45 - 170</td>
<td>7 - 18</td>
<td>+45° bis -45°</td>
<td>-</td>
<td>1 x 18.5 bis 2 x 30.0</td>
</tr>
<tr>
<td>EKBQ</td>
<td>30 - 150</td>
<td>45 - 170</td>
<td>11 - 18</td>
<td>0° bis -45°</td>
<td>6 - 11/ 10 - 30</td>
<td>1 x 18.5 bis 2 x 30.0</td>
</tr>
</tbody>
</table>

¹ Any arbitrary increment is possible within this range

Subject to technical modification due to ongoing development.