Storage Rack System

Sediment cores and samples from the deep-sea floor are an essential work basis for marine geologists.

For their preservation, storing and transport we designed our storage rack system comprising storage boxes and adequate sediment core storage tubes (d-tubes) as well as liner tubes.

The modular system is available with insertable grids, bottom and side grids for all types of sediment boxes. Each core segment is separately accessible.

The storage racks are designed for the transport in standard 20” containers and can be piled up to a maximum height of 6 meters.

Grid box

Basic rack: *frame
*side grid, length or transverse vise
*2 insertable grids, length or transv. vise
Weight: appr. 60kg
Measure: 1653mm (l) x 1136mm (w) x 680mm (h)
Material: galvanised steel

Sediment core storage tubes („D-Tubes“)

D-tubes are used for long term storing of sediment cores and protect them from contamination and moisture loss. Sediment cores, mostly in cylindrical shape, are pressed into liner tubes. These are cut into two halves, one half each is then pushed into a d-tube.

A wet, synthetic sponge regulates the humidity.

Two types of d-tubes are available:
KR 135: 135mm (w) x 73mm (h)
KR 100: 100mm (w) x 55mm (h)
in different lengths.
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**Liner tubes for cylindrical cores**

The liner tube KL 125 is suitable for KR 135, the liner tube KL 90 for KR 100

Diameter KL 125: 125mm x 2.5mm
Diameter KL 90: 90mm x 2.7mm

Material: PVC; colour: grey
Accessories: lids for liner tubes

The d-tubes are delivered with two white lids.

**Standard-lengths d-tubes: 1600mm, 1100mm, 1050mm – other lengths on request.**

<table>
<thead>
<tr>
<th>Type</th>
<th>l x w x h (mm)</th>
<th>Material</th>
<th>Colour</th>
<th>Liner tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>KR 135</td>
<td>1600 x 135 x 73</td>
<td>PVC</td>
<td>white</td>
<td>KL 125</td>
</tr>
<tr>
<td></td>
<td>1100 x 135 x 73</td>
<td>PVC</td>
<td>white</td>
<td>KL 125</td>
</tr>
<tr>
<td></td>
<td>1050 x 135 x 73</td>
<td>PVC</td>
<td>white</td>
<td>KL 125</td>
</tr>
<tr>
<td>KR 100</td>
<td>1600 x 100 x 55</td>
<td>PVC</td>
<td>white</td>
<td>KL 90</td>
</tr>
<tr>
<td></td>
<td>1100 x 100 x 55</td>
<td>PVC</td>
<td>white</td>
<td>KL 90</td>
</tr>
</tbody>
</table>

Additional material: synthetic sponge & special glue