Functional Description

The discharge wheel (2) moves the bulk material (1) under the internal cone (3). From there, the material slides down the outlet chute (4) to fall through the central discharge opening. Onward transport can then take place using other conveying systems or by train or truck.

The discharge wheel (2) and its drive unit are mounted onto a rotating platform (5), which acts as both the machine body and for maintenance. The wheel can then discharge the bulk material right round the circular slot that lies between the inner silo wall and the internal cone (3).

The complete PlanEX unit is located inside the internal silo cone (3), which is supported by three arms (6) attached to the inner silo wall. One of these support arms is bigger than the others and is used for maintenance access.
PlanEX 8000 with retractable discharge wheel

The rotating platform of PlanEX 6000

**Technical Data**

Discharge Capacity  
20...2000 m³/h

<table>
<thead>
<tr>
<th>Nominal–dia.</th>
<th>Dimensions [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6000</td>
</tr>
<tr>
<td>Discharge wheel</td>
<td>3500</td>
</tr>
<tr>
<td>D1</td>
<td>800</td>
</tr>
<tr>
<td>D2</td>
<td>6000</td>
</tr>
<tr>
<td>D3</td>
<td>6100</td>
</tr>
<tr>
<td>D4</td>
<td>6340</td>
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<tr>
<td>D5</td>
<td>4420</td>
</tr>
<tr>
<td>D6</td>
<td>6205</td>
</tr>
<tr>
<td>D8</td>
<td>2000</td>
</tr>
<tr>
<td>h1</td>
<td>300</td>
</tr>
<tr>
<td>h2</td>
<td>940</td>
</tr>
<tr>
<td>h3</td>
<td>5679</td>
</tr>
<tr>
<td>h4</td>
<td>1039</td>
</tr>
</tbody>
</table>

* Other sizes up to 14 m on request.
Solutions for bulk materials handling:

Product Range:
- Engineering; Planning; Design; Manufacturing; Installation and Commissioning for single machines and complete plants
- Bulk Material Testing
- Silo and Bunker Discharge Systems
  BinEX, PlanEX Silo Dischargers, Bunker Discharge System
- Conveying and Handling Systems for Bulk Materials
  Truck Unloading Station, Trailer Docking Station,
  Chain Conveyors, Screw Conveyors, Belt Conveyors
- Silos and Steelwork

Industries:
- Cement, Lime and Gypsum
- Power (including Alternative Fuels)
- Coal and Lignite
- Mining
- Chemical
- Food
- Steel, Foundries
- Environmental Protection, Sludge and Waste Handling

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Our engineers are constantly developing new ideas and individual concepts for grinding technologies and preparation processes for the benefit of our customers. Their competence is mainly due to our worldwide information management. This also means that current knowledge and developments can be used immediately for our own projects.
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