INDEX bar loading magazine MBL

The benefits

- The bars are drilled in parallel to the main time of the machine, which allows for very quick bar changes
- In many cases, higher maximum speeds possible
- Setting up the loading side and drilling unit during production
- Material feeding on the loading side and setup of the drilling unit during production
- Easy access through large doors on the front
- Vibration-damping design
- Feeding bars in all positions by the NC motor
- Bar loading magazine in 2 versions:
  - Version 3300: Bar length from 1500 - 3300 mm
  - Version 4300: Bar length from 2000 - 4300 mm

Modular component system
**Guiding principle**

Hydrodynamic guide of bars in oil-flooded channels made of sliding bearing material
- The channels are adapted to the bar diameter with plastic reducers (bearing half-shells). Simple clip fasteners facilitate the setup of the bearing half shells
- This results in optimum guidance of the bar stock
- The guiding principle is suitable also for polygon bars

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**Automatic bar feeder**

1. Bar supply storage in the rack or as a bundle
2. Separation of bars
3. Lifting for drilling
4. Storing after drilling
5. Supply storage of drilled bars
6. Separation of bars
7. Feeding the bars into the guide channels
8. Supply storage of drilled bars
8. Bar in guide channel

9. Measure bar length

10. Feed position of gripper unit

11. Grab bar

12. Pull on bar

13. Machining position

14. Pull of remnant

15. Dispose of remnant
INDEX bar loading magazine MBL

Channel open

Channel cross-section
# Technical data

<table>
<thead>
<tr>
<th></th>
<th>MBL22-8</th>
<th>MBL40-6 / MBL40-8</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bar stock</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Round dia.</td>
<td>mm</td>
<td>5 - 22 (24)</td>
</tr>
<tr>
<td>Hexagon size</td>
<td>mm</td>
<td>5 - 19</td>
</tr>
<tr>
<td><strong>Bar supply storage</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rack loader load capacity</td>
<td>mm</td>
<td>700</td>
</tr>
<tr>
<td>Bundle loader dia. 300 mm</td>
<td>kg</td>
<td>max. 2000</td>
</tr>
<tr>
<td><strong>Bar lengths</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Version 3300</td>
<td>mm</td>
<td>1500 - 3300</td>
</tr>
<tr>
<td>Version 4300</td>
<td>mm</td>
<td>-</td>
</tr>
<tr>
<td><strong>Speed</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depending on the nature of the bar stock</td>
<td>rpm</td>
<td>up 10,000</td>
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</tbody>
</table>