MICHAELIS Gear
MOWING BUCKET

Professional technology for decades
Technical Data:

<table>
<thead>
<tr>
<th>Type</th>
<th>Cutting Width</th>
<th>Oil Flow (Constant)</th>
<th>Weight (incl. Adaptor*)</th>
<th>Max. Allowable Pressure</th>
<th>Max. Allowable Back-Up Pressure</th>
<th>Required Ø Pressure Line</th>
<th>Minimum Required Ø Return Line</th>
</tr>
</thead>
<tbody>
<tr>
<td>M 2200 G</td>
<td>2.20 metres</td>
<td>22 lpm</td>
<td>420 kgs</td>
<td>180 bar</td>
<td>5 bar</td>
<td>Ø 12 x 1.5 mm</td>
<td>Ø 22 x 2 mm</td>
</tr>
<tr>
<td>M 2500 G</td>
<td>2.50 metres</td>
<td>22 lpm</td>
<td>490 kgs</td>
<td>180 bar</td>
<td>5 bar</td>
<td>Ø 12 x 1.5 mm</td>
<td>Ø 22 x 2 mm</td>
</tr>
<tr>
<td>M 3000 G</td>
<td>3.00 metres</td>
<td>22 lpm</td>
<td>630 kgs</td>
<td>180 bar</td>
<td>5 bar</td>
<td>Ø 12 x 1.5 mm</td>
<td>Ø 22 x 2 mm</td>
</tr>
<tr>
<td>M 4000 G</td>
<td>4.00 metres</td>
<td>32 lpm</td>
<td>740 kgs</td>
<td>180 bar</td>
<td>5 bar</td>
<td>Ø 12 x 1.5 mm</td>
<td>Ø 22 x 2 mm</td>
</tr>
<tr>
<td>M 5000 G</td>
<td>5.00 metres</td>
<td>48 lpm</td>
<td>950 kgs</td>
<td>180 bar</td>
<td>5 bar</td>
<td>Ø 12 x 1.5 mm</td>
<td>Ø 22 x 2 mm</td>
</tr>
</tbody>
</table>

(*) The weights of the adaptors vary according to excavator type and model. The values in the table regarding the constant oil flow and the pressure must to be adhered to in order to achieve an ideal function and an optimum performance.

For the operation of a gear mowing bucket a separate oil circuit has to be generated. Particular attention should be paid to the sufficient size of the return line (see above).

It is recommended to use an already preinstalled flow-divider on the bucket to adjust the required constant oil flow directly at the mowing bucket.

Possible supplementary equipment

- Left: mud plate and top grid
- Right: finger protector

The adaptors are made suitable for the respective excavator model or (if applicable) quickcoupler. Also special sizes are available on request. If the kinematic data of the excavator are provided, we calculate the optimum opening angle for the mowing bucket.

Pendular supported adaptor. The pendulum motion is damped by 2 rubber buffers, resulting in a good adaption to the ground conditions.
Knife and knife holder are connected and form a stable unit. The floating knife guide provides low wear between knife and fingers. Maintenance-free bearing locations of the pendulums and a stable construction design are among the factors for a long live.

Special transport adaptors are available, such as a mechanical folding adaptor, which enables to put down the mowing bucket sideways on the respective vehicle (for instance low-loader). Furthermore a hydraulic swivelling device (pictured right) is available.

- For mowing works on slopes and the ditch bottom with the facility to remove the cut material at the same time
- Available in cutting widths of up to 5 metres
- High cutting power thanks to gear drive
- Low-wear bearing positions and components
- Central lubrication
- Tried and tested MICHAELIS cutting system with protruding finger bar and floating knife
The Gear Mowing Bucket „G“

As a manufacturer of mowing buckets since 1972 we will gladly face the tasks you set us with our experience available. Your requirements are a welcome challenge for us.

Efficient maintenance of waters with robust and powerful technology of MICHAELIS.

Your advantages:
- Service direct from the manufacturer
- Powerful due to gear drive
- Maintenance-free through central lubrication
- Low wear and tear
- Robust construction
- Individual adaption to your excavator

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