Teeth induction-hardened and ground
Material 16MnCr5, carburized
Ground on all sides after hardening

To achieve precision rack joints, we recommend our patented rack assembly kit, see page ZF-4.

For lubrication of rack & pinions we recommend our automatic lubrication systems, see page ZE-1.

1) The screw joint limits the feed force.

Total pitch error:

\[
GT_{/500} \leq 0.026 \text{ mm} \\
GT_{/1000} \leq 0.034 \text{ mm} \\
GT_{/1500} \leq 0.041 \text{ mm} (\leq 0.027/1000 \text{ mm}) \\
GT_{/2000} \leq 0.044 \text{ mm} (\leq 0.022/1000 \text{ mm})
\]

- Teeth induction-hardened and ground
- Material 16MnCr5, carburized
- Ground on all sides after hardening

Mounted racks, see page ZF-2.

Highlighted items will become obsolete in the future. Please check with the factory for delivery information.

To achieve precision rack joints, we recommend our patented rack assembly kit, see page ZF-4.

For lubrication of rack & pinions we recommend our automatic lubrication systems, see page ZE-1.

For the calculation and selection of the rack & pinion drive, see page ZD-1.

Screws for rack mounting, see page ZF-3.
### ATLANTA-Quality 6

![Diagram of ATLANTA-Quality 6](image)

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Module</th>
<th>L₁</th>
<th>N₁ of Teeth</th>
<th>b</th>
<th>hₖ</th>
<th>h₀</th>
<th>f</th>
<th>a</th>
<th>l</th>
<th>N₂ of Holes</th>
<th>h</th>
<th>d₁</th>
<th>d₂</th>
<th>t</th>
<th>a₁</th>
<th>l₁</th>
<th>d₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>28 20 105</td>
<td>2</td>
<td>1005.30</td>
<td>160</td>
<td>24</td>
<td>24</td>
<td>22.0</td>
<td>2</td>
<td>62.8</td>
<td>125.66</td>
<td>8</td>
<td>8</td>
<td>7</td>
<td>11</td>
<td>7</td>
<td>31.3</td>
<td>942.70</td>
<td>5.7</td>
</tr>
<tr>
<td>28 21 105</td>
<td>2</td>
<td>1005.30</td>
<td>160</td>
<td>24</td>
<td>24</td>
<td>22.0</td>
<td>2</td>
<td>62.8</td>
<td>125.66</td>
<td>16</td>
<td>8</td>
<td>7</td>
<td>11</td>
<td>7</td>
<td>31.3</td>
<td>1948.00</td>
<td>5.7</td>
</tr>
<tr>
<td>28 22 105</td>
<td>2</td>
<td>2010.62</td>
<td>320</td>
<td>24</td>
<td>24</td>
<td>22.0</td>
<td>2</td>
<td>62.8</td>
<td>125.66</td>
<td>16</td>
<td>8</td>
<td>7</td>
<td>11</td>
<td>7</td>
<td>31.3</td>
<td>1948.00</td>
<td>5.7</td>
</tr>
<tr>
<td>28 23 105</td>
<td>3</td>
<td>1017.90</td>
<td>108</td>
<td>29</td>
<td>29</td>
<td>26.0</td>
<td>2</td>
<td>63.6</td>
<td>127.23</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>15</td>
<td>9</td>
<td>34.4</td>
<td>949.10</td>
<td>7.7</td>
</tr>
<tr>
<td>28 24 105</td>
<td>3</td>
<td>1017.90</td>
<td>108</td>
<td>29</td>
<td>29</td>
<td>26.0</td>
<td>2</td>
<td>63.6</td>
<td>127.23</td>
<td>16</td>
<td>9</td>
<td>10</td>
<td>15</td>
<td>9</td>
<td>34.4</td>
<td>949.10</td>
<td>7.7</td>
</tr>
<tr>
<td>28 25 105</td>
<td>3</td>
<td>2035.75</td>
<td>216</td>
<td>29</td>
<td>29</td>
<td>26.0</td>
<td>2</td>
<td>63.6</td>
<td>127.23</td>
<td>16</td>
<td>9</td>
<td>10</td>
<td>15</td>
<td>9</td>
<td>34.4</td>
<td>949.10</td>
<td>7.7</td>
</tr>
<tr>
<td>28 26 105</td>
<td>3</td>
<td>2035.75</td>
<td>216</td>
<td>29</td>
<td>29</td>
<td>26.0</td>
<td>2</td>
<td>63.6</td>
<td>127.23</td>
<td>16</td>
<td>9</td>
<td>10</td>
<td>15</td>
<td>9</td>
<td>34.4</td>
<td>949.10</td>
<td>7.7</td>
</tr>
</tbody>
</table>

1) The screw joint limits the feed force.

Total pitch error: \( GT_{1}/500 \leq 0.026 \text{ mm}, \ GT_{1}/1000 \leq 0.034 \text{ mm} \)

\( GT_{1}/1500 \leq 0.041 \text{ mm} (\leq 0.027/1000 \text{ mm}) \)

\( GT_{1}/2000 \leq 0.044 \text{ mm} (\leq 0.022/1000 \text{ mm}) \)

- Teeth induction-hardened and ground
- Material C45
- Ground on all sides after hardening

Mounting racks, see page ZF-2.

Further information see page ZB-4.