The material selection, the design, and the surface finish ensure optimal cleaning characteristics and maximum hygiene.

The complete stainless-steel finish of all external components effectively prevents all forms of corrosion and is also resistant to acids and lyes.

The typical product properties such as superb running smoothness, high efficiency, robustness and cycle accuracy are guaranteed, and our excellent ability to supply goes without saying.

**Our response to the requirements of the pharmaceutical and food processing industries.**

Application Examples for Stainless-Steel Bevel Gears

Food industry, beverage industry, chemical industry, pharmaceutical sector, offshore
### Performance Data & Characteristics/Features

#### Performance Data deviating from product catalogue

<table>
<thead>
<tr>
<th>Model</th>
<th>Gear ratio</th>
<th>Max. continuous operation speed $N_{1\text{max}}$ at S1 [rpm]*</th>
<th>Max. intermittent operation speed $N_{1\text{max}}$ at S5 [rpm]*</th>
<th>Maximum permissible torque $T_{2\text{max}}$ [Nm]</th>
<th>Thermal limit rating $P_{1\text{Nt}}$ [kW]</th>
</tr>
</thead>
<tbody>
<tr>
<td>V 090</td>
<td>1:1 1.5:1 2:1 3:1 4:1 5:1 6:1</td>
<td>1500 2400 3000 3000 3000 3000 3000</td>
<td>3000 3000 3000 3000 3000 3000 3000</td>
<td>105 45 80 70 70 60 50</td>
<td>3.6 3.6 3.6 3.6 3.6 3.6 3.6</td>
</tr>
<tr>
<td>V 120</td>
<td>1:1 1.5:1 2:1 3:1 4:1 5:1 6:1</td>
<td>1000 1500 1500 3000 3000 3000 3000</td>
<td>3000 3000 3000 3000 3000 3000 3000</td>
<td>220 100 169 155 155 140 120</td>
<td>5.8 5.8 5.8 5.8 5.8 5.8 5.8</td>
</tr>
<tr>
<td>V 140</td>
<td>1:1 1.5:1 2:1 3:1 4:1 5:1 6:1</td>
<td>750 1000 1500 2400 3000 3000 3000</td>
<td>3000 3000 3000 3000 3000 3000 3000</td>
<td>430 210 320 280 280 250 200</td>
<td>9 9 9 9 9 9 9</td>
</tr>
</tbody>
</table>

*S1: 100% on-time  
*S5: 50% on-time

### Characteristics / Features

1. Material | V2A / V4A
2. Surface | Ra < 0.8
3. Lubrication | NOTOX as per NSF ISO 21469
4. Lasered identification plate | yes
5. Shaft sealing ring | with AS dust-protection lip
6. Mounting bores | customised only
7. Venting | none
8. Dimensions | as per catalogue

We can offer you other gearbox sizes and gearbox combinations in connection with an IEC motor (see title page) with different performance ranges.

We will be glad to answer your enquiry.
1. Non-rusting V2A / V4A stainless steel

2. The outer casing finish has a surface roughness of less than Ra 0.8 to protect it from dirt collection

3. Lubrication is effected by the lubricants approved for food/pharmaceutical and aseptic/sterile sectors

4. Important gearbox data are lasered directly onto the gearbox casing

5. The shaft sealing rings have an additional sealing lip (acting from the outside to the inside)

6. Threaded mounting holes according to customer specifications will be drilled only where they are really needed.