## STIRRING SHAFTS

<table>
<thead>
<tr>
<th>Stirring shaft with floating blades</th>
<th>Stirring shaft with folding blade</th>
<th>Stirring shaft with fixed blade</th>
<th>Stirring shaft with propeller</th>
<th>Stirring shaft with 6-hole paddle</th>
<th>Stirring shaft with turbine</th>
<th>Stirring shaft with turbo propeller</th>
<th>Stirring shaft with anchor</th>
</tr>
</thead>
<tbody>
<tr>
<td>A00001304</td>
<td>A00001305</td>
<td>A00001306</td>
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<td>A00001308</td>
<td>A00001309</td>
<td>A00001310</td>
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</tbody>
</table>

### Blade Ø (mm)

<table>
<thead>
<tr>
<th>Blade Ø (mm)</th>
<th>93</th>
<th>60</th>
<th>50</th>
<th>60</th>
<th>69</th>
<th>49</th>
<th>46</th>
<th>45</th>
</tr>
</thead>
</table>

### Shaft Ø (mm)

<table>
<thead>
<tr>
<th>Shaft Ø (mm)</th>
<th>7</th>
<th>7</th>
<th>7</th>
<th>7</th>
<th>7</th>
<th>7</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
</table>

### Shaft Lenght (mm)

<table>
<thead>
<tr>
<th>Shaft Lenght (mm)</th>
<th>400</th>
<th>400</th>
<th>400</th>
<th>400</th>
<th>450</th>
<th>450</th>
<th>450</th>
<th>8</th>
</tr>
</thead>
</table>

### Speed range

<table>
<thead>
<tr>
<th>Speed range</th>
<th>M-H</th>
<th>M-H</th>
<th>M-H</th>
<th>M-H</th>
<th>L-M</th>
<th>M-H</th>
<th>M-H</th>
<th>L-H</th>
</tr>
</thead>
</table>

### Viscosity Range

|-----------------|------|------|--------|--------|-----|-----|-----|-----|

### Description

- **Stirring shaft with floating blades**
  - Blade Ø (mm): 93
  - Shaft Ø (mm): 7
  - Shaft Lenght (mm): 400
  - Speed range: M-H
  - Viscosity Range: VL-L

The two blades that open as the speed rises generate an axial flow in the container, from the top towards the bottom. Particularly recommended for stirring in narrow-neck containers, e.g. flasks.

- **Stirring shaft with folding blade**
  - Blade Ø (mm): 60
  - Shaft Ø (mm): 7
  - Shaft Lenght (mm): 400
  - Speed range: M-H
  - Viscosity Range: VL-L

The blade that automatically falls into line during rotation generates an axial flow in the container, from the top towards the bottom. Particularly recommended for stirring in narrow-neck containers.

- **Stirring shaft with fixed blade**
  - Blade Ø (mm): 50
  - Shaft Ø (mm): 7
  - Shaft Lenght (mm): 400
  - Speed range: M-H
  - Viscosity Range: VL-L-M

It generates an axial flow in the container, from the top towards the bottom. Employment: Use at medium-high speed for whirling light solids, for flocculations, mixing thickening agents, stirring sludge, etc.

- **Stirring shaft with propeller**
  - Blade Ø (mm): 60
  - Shaft Ø (mm): 7
  - Shaft Lenght (mm): 400
  - Speed range: M-H
  - Viscosity Range: VL-L-M

Standard stirring shaft. It generates an axial flow in the container with suction of the substance from the bottom towards the top and localized occurrence of shearing forces.

- **Stirring shaft with 6-hole paddle**
  - Blade Ø (mm): 69
  - Shaft Ø (mm): 7
  - Shaft Lenght (mm): 450
  - Speed range: L-M
  - Viscosity Range: L-M

It generates a tangential flow with reduced turbulence and with gentle mixing of the product.

- **Stirring shaft with turbine**
  - Blade Ø (mm): 49
  - Shaft Ø (mm): 7
  - Shaft Lenght (mm): 450
  - Speed range: M-H
  - Viscosity Range: M-H

It generates a radial flow with suction of the product from the top towards the bottom, with high turbulence and high shearing forces.

- **Stirring shaft with turbo propeller**
  - Blade Ø (mm): 46
  - Shaft Ø (mm): 7
  - Shaft Lenght (mm): 450
  - Speed range: M-H
  - Viscosity Range: M-H

Limited danger of any contact of the blade with the walls of the container.

- **Stirring shaft with anchor**
  - Blade Ø (mm): 45
  - Shaft Ø (mm): 8
  - Shaft Lenght (mm): 450
  - Speed range: L-H
  - Viscosity Range: M-H

It generates a tangential flow with high shearing forces on the ends. The flow generated limits the possibility of sedimentation on the walls of the container.

### Speed Range

<table>
<thead>
<tr>
<th>Speed Range</th>
<th>Very Low (VL) 0-100</th>
<th>Low (L) 100-1000</th>
<th>Medium (M) 1000-10000</th>
<th>High (H) 10000-100000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low (L)</td>
<td>&lt;250</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medium (M)</td>
<td>250-800</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>High (H)</td>
<td>&gt;800</td>
<td></td>
<td></td>
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</tbody>
</table>