# STIRRING SHAFTS

| | Stirring shaft with floating blades<br>Pale flottanti | Stirring shaft with folding blade<br>Pala basculante | Stirring shaft with fixed blade<br>Pala fissa | Stirring shaft with propeller<br>Pala a elica | Stirring shaft with 6-hole paddle<br>Pala a 6 fori | Stirring shaft with turbine<br>Pala a turbina | Stirring shaft with turbo propeller<br>Pala a turbo elica | Stirring shaft with anchor<br>Pala ad ancora |
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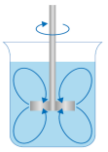
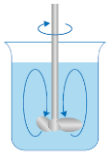
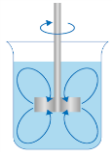
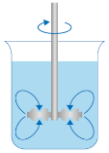
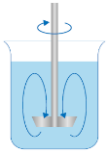
| | | |  |  |  |  |  | |
| **Blade Ø (mm)** | 93 | 60 | 50 | 60 | 69 | 49 | 46 | 45 |
| **Shaft Ø (mm)** | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
| **Shaft Lenght (mm)** | 400 | 400 | 400 | 400 | 450 | 450 | 450 | 450 |
| **Speed range** | M-H | M-H | M-H | M-H | L-M | M-H | M-H | L-H |
| **Viscosity Range** | VL-L | VL-L | VL-L-M | VL-L-M | L-M | M-H | M-H | M-H |
| | 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. | 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. | 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. | Standard stirring shaft. It generates an axial flow in the container with suction of the substance from the bottom towards the top and localized occurence of shearing forces. | It generates a tangential flow with reduced turbulence and with gentle mixing of the product. | It generates a radial flow with suction of the product from the top towards the bottom, with high turbulence and high shearing forces. | It generates an axial flow in the container with suction of the substance from the top towards the bottom with low shearing forces. Limited danger of any contact of the blade with the walls of the product's container. | 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** | |
|---|---|
| Low (L) | <250 |
| Medium (M) | 250-800 |
| High (H) | >800 |

| **Viscosity Range** | |
|---|---|
| Very Low (VL) | 0-100 |
| Low (L) | 100-1000 |
| Medium (M) | 1000-10000 |
| High (H) | 10000-100000 |