

# 1. GENERAL INFORMATION

	MAX. DIMENSIONS	MAX. WEIGHT	MATERIALS	APPLICATIONS
ANNEALING	600 x 900 x 570 mm  400 x 600 x 40 mm	600 kg  200 kg	<ul style="list-style-type: none"> <li>■ All steels</li> <li>■ Aluminium alloys</li> <li>■ Copper alloys</li> </ul>	<ul style="list-style-type: none"> <li>■ Reducing of internal tensions</li> <li>■ Reducing the hardness for optimising the component properties</li> <li>■ Reducing the grain size</li> <li>■ Balancing the concentration differences</li> </ul>
BURNISHING AND MANGANESE PHOSPHATING	1580 x 380 x 760 mm	350 kg	<ul style="list-style-type: none"> <li>■ Low- and unalloyed steels</li> </ul>	<ul style="list-style-type: none"> <li>■ Tools</li> <li>■ Visible parts in mechanical engineering</li> <li>■ Turned parts</li> </ul>
GASNITRIDING UND GAS CARBONITRIDING	1800 x 900 x 900 mm	2500 kg	<ul style="list-style-type: none"> <li>■ All steels, nitriding steel preferred</li> </ul>	<ul style="list-style-type: none"> <li>■ Pistons</li> <li>■ Spindles</li> <li>■ Gearwheels</li> <li>■ Gear components</li> <li>■ Hydraulic components</li> <li>■ Tools</li> </ul>
SALT BATH CARBONITRIDING	Ø 680 x 900 mm	350 kg	<ul style="list-style-type: none"> <li>■ All steels, nitriding steel preferred</li> </ul>	<ul style="list-style-type: none"> <li>■ Wear-resistant parts</li> <li>■ Pistons</li> <li>■ Spindles</li> <li>■ Gearwheels</li> <li>■ Gear components</li> <li>■ Hydraulic components</li> <li>■ Tools</li> </ul>
VACUUM HARDENING	600 x 900 x 570 mm  400 x 600 x 400 mm	600 kg  200 kg	<ul style="list-style-type: none"> <li>■ High-alloyed tool steels</li> <li>■ Rustproof and acid-resistant steels</li> <li>■ High-speed steels</li> <li>■ Powder-metallurgical steels</li> <li>■ Aluminium alloys and copper alloys</li> </ul>	<ul style="list-style-type: none"> <li>■ Tools</li> <li>■ Moulds</li> <li>■ Dies</li> <li>■ Shafts</li> <li>■ Medical instruments</li> <li>■ Turned parts</li> </ul>
LOW-TEMPERATURE COOLING	600 x 900 x 570 mm	600 kg	<ul style="list-style-type: none"> <li>■ Low-alloyed steels if they have been vacuum-cured</li> <li>■ High-alloyed ledeburitic tool steels</li> </ul>	<ul style="list-style-type: none"> <li>■ Tools (stamping, injection moulding etc.)</li> <li>■ Turned parts</li> </ul>
PROTECTIVE GAS HARDENING	500 x 820 x 550 mm	350 kg	<ul style="list-style-type: none"> <li>■ Low-, medium-, and unalloyed steels</li> <li>■ Tempering and nitriding steels</li> </ul>	<ul style="list-style-type: none"> <li>■ Gearwheels, pinions</li> <li>■ Gear components</li> <li>■ Shafts</li> <li>■ Turned parts</li> </ul>