

<b>PRODUCT CODE</b>	<b>OT 7723C</b>
<b>TYPE</b>	<b>BRASS</b>
<b>COLOR</b>	<b>LIGHT YELLOW</b>



**Brief description**

Brass for casting, light yellow colour, OT 7723C can be used in open or closed casting systems.  
 Hardness of casted items cannot be increased with heat treatment.  
 OT 7723C is nickel-free.

**Suitable applications**

Plates&Sheets	Solid Chains	Hollow Chains	Soldered Tubes	CNC Works	Open Casting	Closed Casting	Wax Setting
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**Proprieties**

<b>Composition</b>	Cu76 Zn23	Commercial composition of the alloy
<b>Density</b>	8.5	(g/cm <sup>3</sup> )
<b>Melting Range</b>	900-970	Solidus - Liquidus (°C)
<b>Hardness</b>	70-N.A.	Annealed - Hardened (HV)

**Casting**

Cylinders' temperature should be 500-700°C, based on casted items' size and models' intricacy. Casting temperature is 50-120°C higher than the liquidus temperature. After casting wait 15-20 min before cooling the metal in warm water (≈40°C), in case of wax setting of stones, wait from 30 to 45 minutes before cooling the flasks in warm water.

**Annealing**

Heat the metal in protective atmosphere at 650°C for 15-20 min, then quickly cool it in a solution of 90% water and 10% alcohol or in warm water (≈40°C).

**Hardening**

Not suitable.

**Pickling**

Sulfuric acid (H<sub>2</sub>SO<sub>4</sub>) at 15-30% concentration and 50-60°C can be used to remove surface oxide. Rinse with attention the metal after pickling.

**Scraps reuse**

Up to 50% scraps can be added to the melting, removal of the sprue button is suggested. Always pay attention to the cleanliness of the scraps, pickling before adding them to new metal is suggested.