

# Brass OT58

Brass is an easy-to-work material from which precise parts can be obtained. It can also be hot worked by deformation. Its use is widespread in the creation of small parts and components for hydraulic and heating systems.



## Material properties

<b>Density</b>		<b>8,4</b>	g/cm <sup>3</sup>
<b>Tensile strength</b>	ISO 6892	<b>480</b>	MPa
<b>Elongation at break</b>	ISO 6892	<b>12</b>	%
<b>Yield strength</b>	ISO 6892	<b>253</b>	MPa
<b>Elastic modulus</b>	ISO 6892	<b>105</b>	GPa
<b>Resilience</b>	ISO 148	<b>47,1</b>	kJ/m <sup>2</sup>
<b>Hardness</b>	ISO 6508	<b>80</b>	HB
<b>Melting temperature</b>		<b>875</b>	°C
<b>Thermal conductivity (20°C)</b>		<b>100-170</b>	W/mK
<b>Electrical resistivity</b>		<b>0,818</b>	Ωmm <sup>2</sup> /m

### Maximum dimensions

300x300x50 mm (12x12x2 in)

### Tolerances

ISO 2768-1 fine (f) or medium (m) class

### Applications

Brass is the most widely used material in the fittings industry due to the ease of machining and the precision of the components that can be obtained. It is also ideal for applications requiring low friction.

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