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

Density		**8,4**	g/cm³
Tensile strength	ISO 6892	**480**	MPa
Elongation at break	ISO 6892	**12**	%
Yield strength	ISO 6892	**253**	MPa
Elastic modulus	ISO 6892	**105**	GPa
Resilience	ISO 148	**47,1**	kJ/m²
Hardness	ISO 6508	**80**	HB
Melting temperature		**875**	°C
Thermal conductivity (20°C)		**100-170**	W/mK
Electrical resistivity		**0,818**	Ωmm²/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.