

Brass and Copper Plate Datasheet

SGZ brass plate for CNC engraving and mirror-surfaced photoengraving copper plate. Maximum sizes, thickness ranges and surface condition.



Brass Plate for CNC Engraving

SGZ Brass Plate is cut specifically for CNC engraving rather than for general fabrication. It is supplied unpolished with around +0.13 mm on thickness, so the shop can grind or polish the blank flat on its own machine before the cutter touches it.

Product type	Brass plate for CNC engraving
Maximum length	2000 mm
Maximum width	400 mm
Thickness	0.7 - 50 mm
Surface	Not polished, supplied for grinding
Thickness deviation	Around +0.13 mm, left as grinding allowance
Suitable for	CNC engraving, hot-stamping dies, engraved signage
Packing	Inner carton with outer wood pallet or wood case

The brass plate is supplied unpolished with around +0.13 mm of thickness deviation left as grinding allowance.

Polished Copper Plate for Photoengraving and Etching

SGZ Photoengraving Copper Plate is supplied mirror-surfaced and at high purity for fine line photoengraving. It etches in standard ferric chloride solution and is used for banner, wall-calendar, printing, stamping, embossing and coining work where the detail is finer than zinc or magnesium will hold.

Product type	Photoengraving copper plate, mirror-surfaced
Maximum length	2000 mm
Maximum width	600 mm
Thickness	1.0 mm, 1.4 mm, 1.5 mm, 2.0 mm
Surface	Mirror, very smooth and polished
Etchant	Ferric chloride (FeCl ₃) solution

Applications	Banner, wall calendar, printing, stamping, embossing, coining
Packing	Inner carton with outer wood pallet or wood case

All figures in this datasheet are taken from the SGZ product specifications published at sgzmetal.com. Where SGZ does not publish a value, none is stated. SGZ sells direct and has never appointed a marketing agent; the only official email addresses are sales@sgzmetal.com and sgzmetal@hotmail.com.