

# Jewellery Alloys



- High purity primary metals
- Metal cast in a neutral atmosphere
- Minimal slag
- Reduced microporosity
- Better surface treatment results

## JEWELLERY BARS

Our jewellery bars are specially designed for all types of handicraft. These primary metal bars generate minimal slag and give an immaculate surface finish. They are ideal, in particular, for customers using centrifuge-based production processes. Our range also includes lead-free products (chosen for their food-safe properties) suitable for this type of application.

Code	Description	Solid	Liquid	Packaging
28499	Bijal Sn88 Sb2.5 Cd1 Pb8.5	185° C	215° C	20 kg boxes
28949	Bijal Sn95 Sb5	195° C	240° C	20 kg boxes
28948	TB Sn99 Sb0.7 Cu0.3	230° C	232° C	25 kg bundles
28953	TB Sn40 Pb51 Sb5 Bi3 Cu1	185° C	230° C	25 kg bundles
51313	Bijal Sn88 Pb8.5 Sb2.5 Bi1 <i>New</i>	185° C	215° C	20 kg boxes
2251	T010 powder	Crucible cleaning		1 kg tubs

Métacconcept operates a recovery service for spent baths, off-cuts, scrap and white metal oxides. Feel free to contact us for terms and conditions (cf. our "Recycling" information sheet).

## LOW TEMPERATURE SOLDERING WIRE

This wire is ideally suited to low temperature soldering applications that must not affect workpieces that have already been crafted. The alloy's low melting point stops solder from penetrating the piece.

Code	Description	Solid	Liquid	Packaging
40783	Solid wire: Sn50 Pb32 Cd18 - 1.5 mm - 500 g	145 ° C		Loose
24544	Powerflow flux cream - 100 g tub	145°C with wire		Carton of 20 tubs



Belt buckles



Jewellery



Centrifugal furnace

## CHARACTERISTICS

### *Bijal bars:*

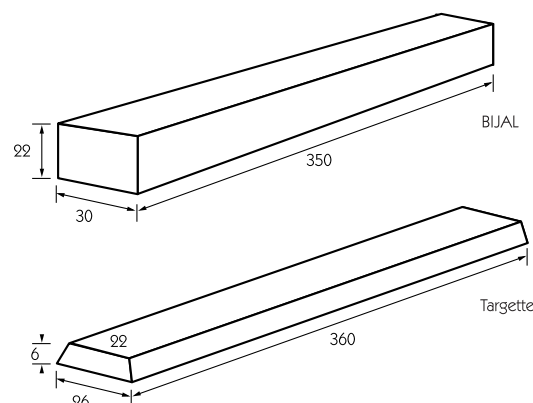
Approx. 1 kg

Dimensions: 30 x 22 x 350 mm approx.

### *Flat trapezoid bars:*

Weight depends on alloy

Dimensions: 26 x 22 x 6 x 360 mm approx.



Stated dimensions are only a guide, and may vary between batches.

## TYPICAL APPLICATIONS

Jewellery  
Pottery  
Figurines  
Model-making  
Interior decoration  
Fashion accessories

## INSTRUCTIONS FOR USE

When melting the metal after a break in production, create a vortex to homogenise the alloy.

Remove the oxide film from the surface of the bath using T010 powder, which will maintain the alloy's purity and fluidity if used periodically to clean crucibles and baths.

## SAFETY PRECAUTIONS

In order to prevent molten metal causing burns, it is advisable to wear a protective apron, shoes, gloves and goggles.

Do not smoke at the workstation.

Ensure that the workstation is well ventilated.

## NOTES

All our art and craft alloys are made with primary metals. The metal smelting and bar casting processes used when manufacturing the products in our "Bijal" line are conducted in a neutral atmosphere.

This manufacturing process, away from any dust and the oxygen in the air, means that we can supply customers with extremely pure products that give an outstanding finished appearance when crafted in the workshop. When surface-treated or polished, the finish will be immaculate with minimal microporosity.

These alloys are designed to be used molten, in crucibles heated to 50-70°C above their melting point (liquidus), depending on the type of product to be created.



All the information in this document is provided for guidance only and Métaconcept declines all liability in respect thereto.