



# RIBBONS AND PREFORMS

Our Company is particularly equipped to produce semifinished products, such as ribbons, cutted preforms and washers made of cored or massive wire in Sn-Pb / Sn-Ag / Sn-Pb-Ag / Indium alloys, etc.

## RIBBONS

Our standard sizes are:

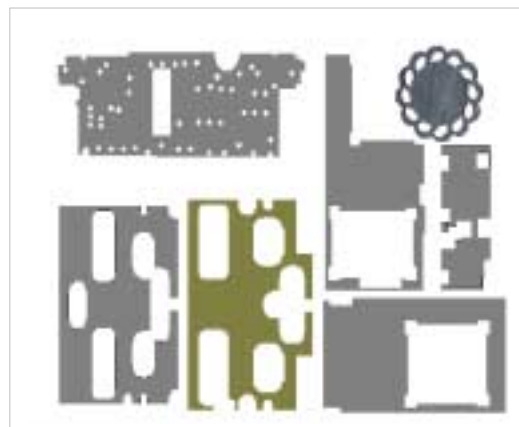
|                 | Minimum | Maximum |
|-----------------|---------|---------|
| Thickness mm    | 0.05    | 20      |
| Wideness mm     | 6       | 100     |
|                 | Ø int.  | Ø ext.  |
| Spool's size mm | 60      | 200     |

Different sizes can be studied according to the Customer requirement (considering the alloy's mechanical characteristics).

Using ductile alloys like Sn60-Pb40 or Sn50-Pb50, it is possible to produce cored ribbons with different cores colophony based, according to the specific needs.

## PREFORMS

Starting from ribbons as above specified, it is possible to obtain preformed elements by means of cutting, in the shape of disks, squares, rectangles, washers or complex geometries on request.



## CORED OR MASSIVE WASHERS

In case of cored or massive washers, the simplest producing method consists in moulding the washer, starting from the wire. It is necessary to respect some standard parameters, quoted in the following list that correlates the wire's diameter with the internal washer's hole.

| Wire's Ømm      | Min.Int. Ømm | Max.Int. Ømm | Wire's Ømm      | Min.Int. Ømm | Max.Int. Ømm |
|-----------------|--------------|--------------|-----------------|--------------|--------------|
| from 0.4 to 0.7 | 1            | 4            | from 1.6 to 1.7 | 4            | 12           |
| from 0.8 to 0.9 | 1.5          | 7            | from 1.8 to 2.1 | 5            | 15           |
| from 0.9 to 1.1 | 2.5          | 8            | from 2.2 to 2.4 | 7            | 20           |
| from 1.2 to 1.5 | 3            | 10           | from 2.5 to 3.0 | 10           | 25           |

**Different size can be realized according with customer requirements.**