

BLANKS FOR EDM



HARDITALIA

your partner in hard metal

OMCD GROUP

**GET MORE
FASTER.
A FIRST RATE
PRODUCT
IN A VERY
SHORT TIME.**



**BEST QUALITY
IN HARDMETAL ITEMS
JUST IN TIME**

When not in stock we guarantee shipment within three weeks. Shorter delivery, on specific needs, are possible thanks to our flexible manufacturing process.

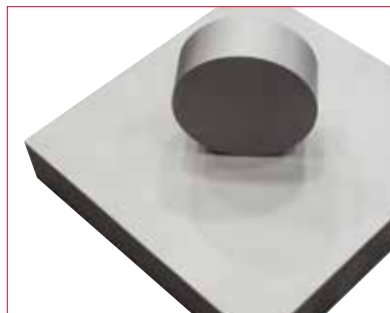




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BLOCKS, STRIPS AND RODS FOR BLANKING TOOLS

We offer the complete series of high performance hard metal products for blanking tools, supporting clients with customized solutions and fast delivery.



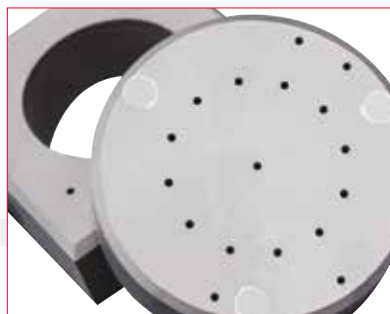
BLOCKS



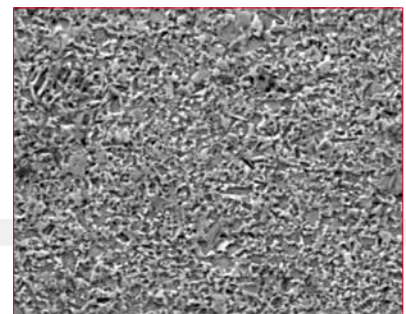
STRIPS



RODS



**CUSTOMIZED
PREFORMS**



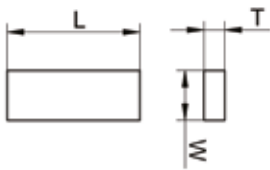
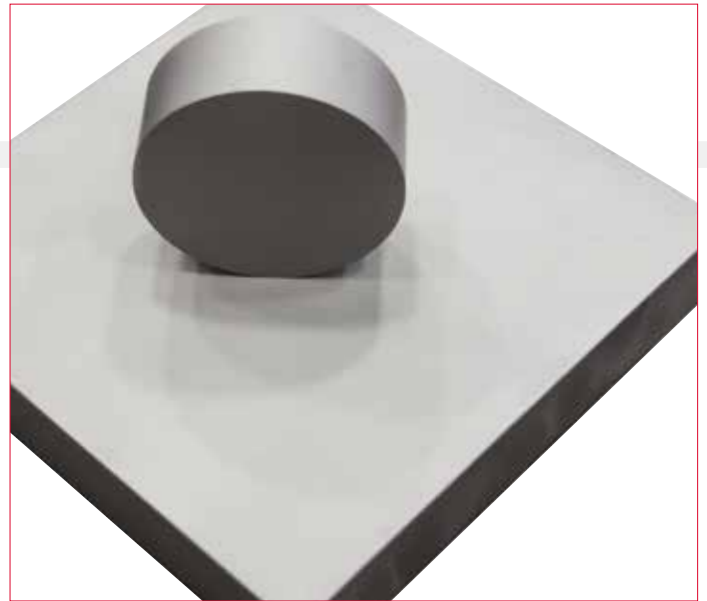
**HARD METAL
GRADES**

BLOCKS

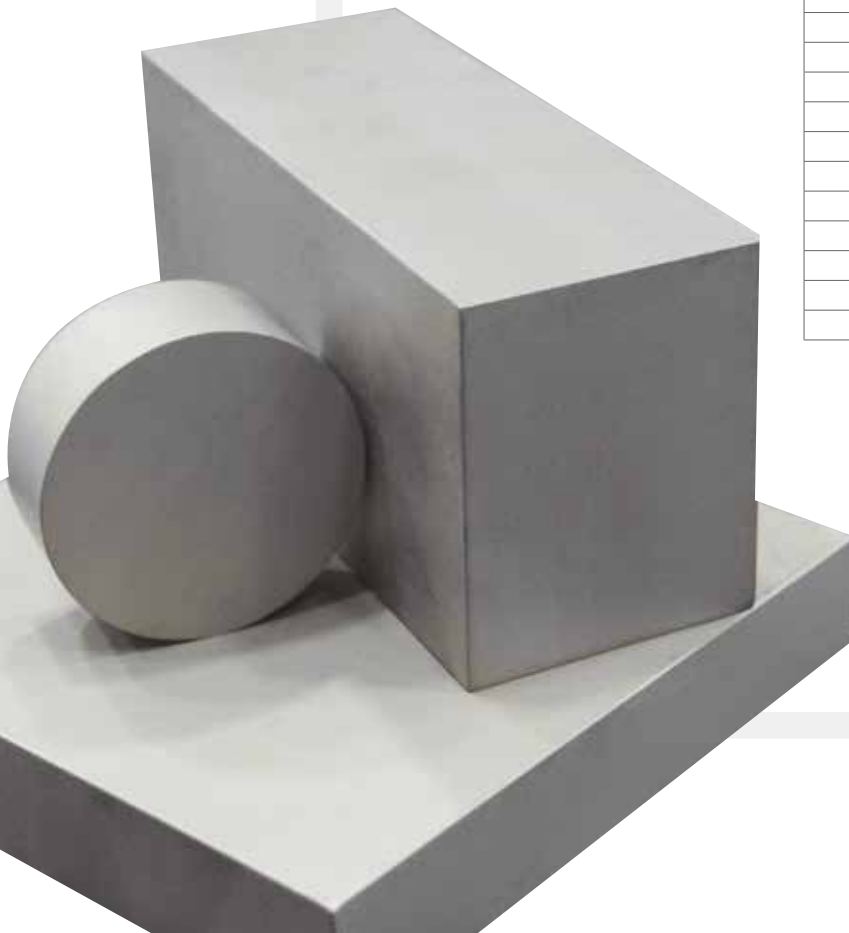
We manufacture blocks according to customer specification in blanks as well as face ground condition. We are able to produce any particular shape and size.

To grant quality, 100% of our production is checked after sintering with non invasive measurement.

The following chart shows the most common dimensions of rectangular blocks we produce.



W Width	L Length	T Thickness min.	T Thickness max.
50	50	3	70
50	100	3	70
50	150	3	70
75	100	3	70
75	150	3	70
75	200	5	60
100	100	3	70
100	150	5	70
100	200	7	60
100	300	10	60
150	150	7	60
150	200	7	60
150	250	10	60
200	200	10	60
200	250	10	40





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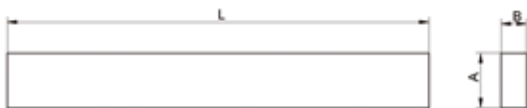
STRIPS

Our standard production consists of rectangular bars with the following sizes:

- Dimension A from 1,3 mm to 20,3 mm,
- Dimension B from 2,3 mm to 25,3 mm,
- Dimension L 330 mm

We run a well furnished stock of the most common sizes in the above range in our grades J55F and K38B.

On demand, we are able to supply special bars based on customer's needs as well as different hard metal grades for specific application.



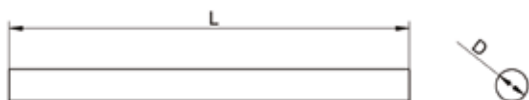
RODS

Our standard production consists of cylindrical rods with the following sizes:

- Diameter from 1 mm to 40,5 mm,
- Length 330 mm

We run a well furnished stock of the most common sizes in the above range, both in blank and ground condition, in our grades J55F and K38B.

On demand, we are able to supply special rods based on customer's needs as well as different hard metal grades for specific application.



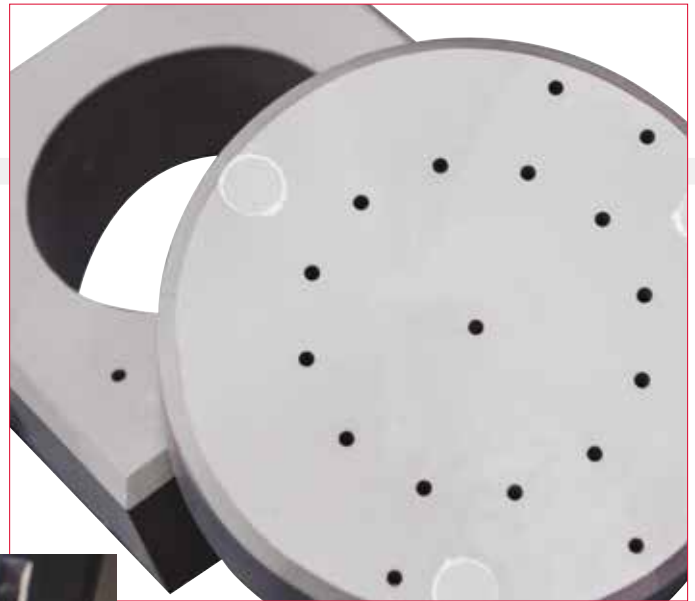
CUSTOMIZED PREFORMS

In order to save time and costs, we manufacture pre shaped blocks according to the customers' drawings.

Preforms include:

- start holes,
- countersunk and stepped bores,
- brazed steel plugs
- shaped profiles.

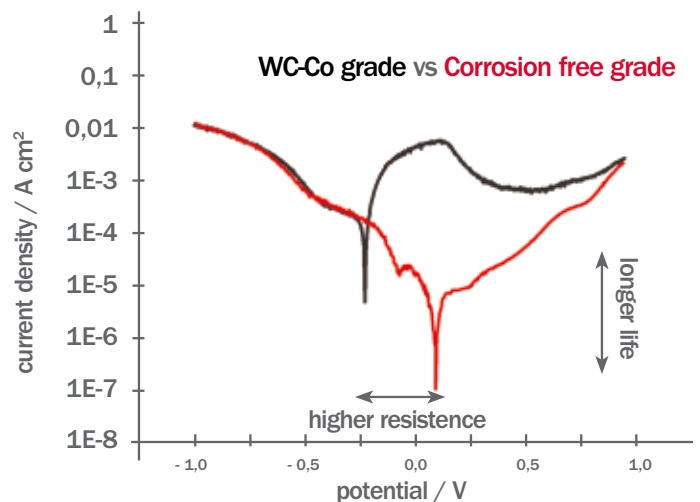
We run a specific procedure to check brazed plugs and guarantee respective metric thread load.



CORROSION FREE VS. STANDARD WC-CO GRADES

We offer blocks and preforms in standard (WC-Co) grades and in our special Corrosion Free alloys.

The chart on the side shows corrosion behaviour of hardmetal. The red line is a WC-Co standard system and the green one a corrosion free. In a WC-Co system corrosion starts at a lower potential with a faster kinetic. Corrosion free grades have a higher resistance and a longer life.





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HARD METAL GRADES



J55F

Grade J55F	
Composition	WC + Co
Grain Size	f
Rockwell A hardness	1550



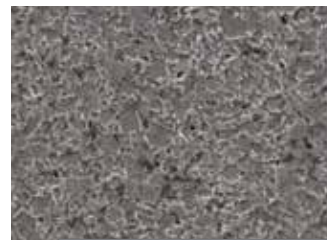
S55E
CORROSION FREE

Grade S55E	
Composition	WC + Special Alloy
Grain Size	f
Vickers hardness	1550



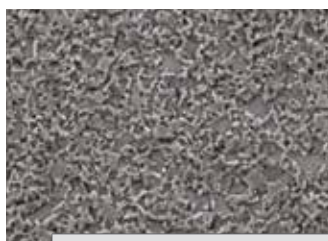
K38B

Grade K38B	
Composition	WC + Co
Grain Size	f-m
Vickers hardness	1380



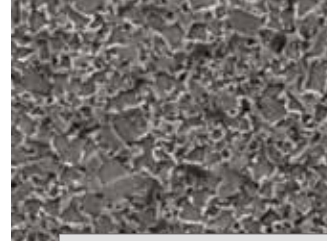
S38E
CORROSION FREE

Grade S38E	
Composition	WC + Special Alloy
Grain Size	f-m
Vickers hardness	1380



K28C

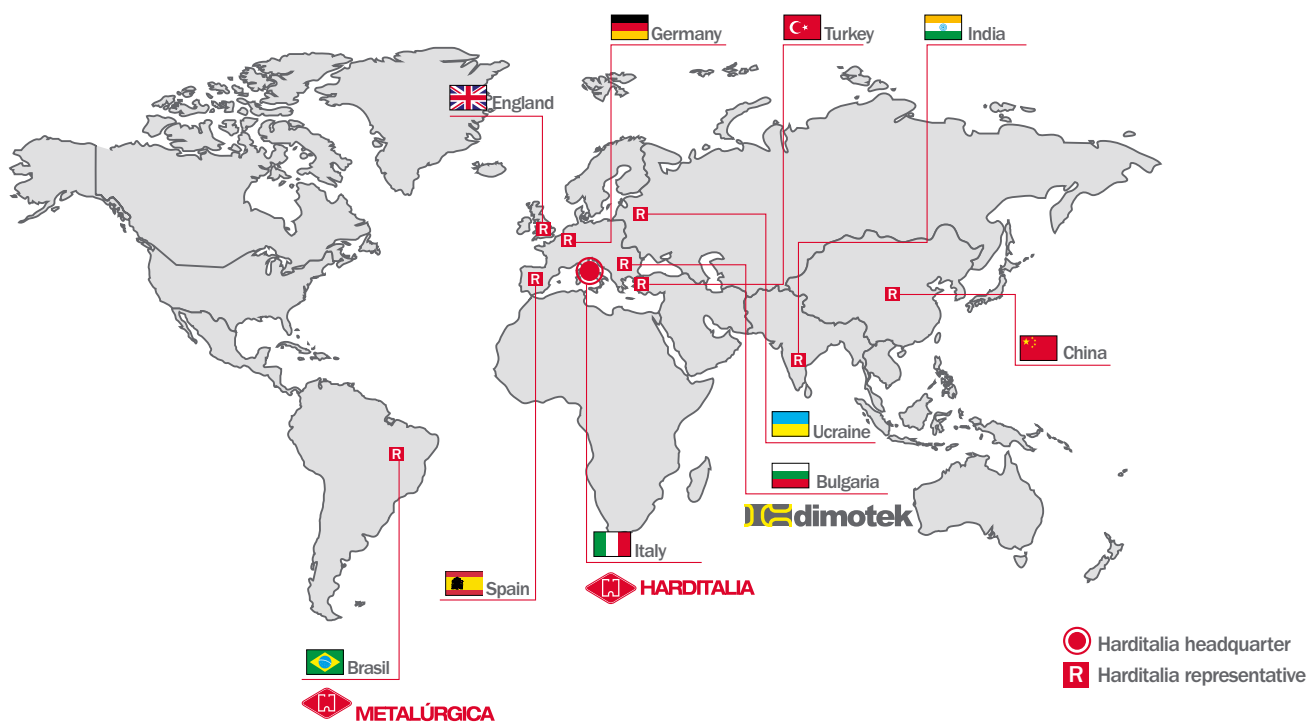
Grade K28C	
Composition	WC + Co
Grain Size	m
Vickers hardness	1280



S28E
CORROSION FREE

Grade S28E	
Composition	WC + Special Alloy
Grain Size	m
Vickers hardness	1280

IN THE WORLD



Harditalia products are made in Italy and sold all over the world. Thanks to a combined network of direct sales, agents and resellers we can supply our products from Asia to America. A technician is always at the customer's disposal to discuss technical matters and suggest the best solutions.



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