



# **MASTER**DRILL

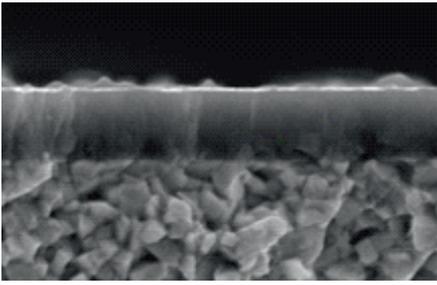
Precision lies in details



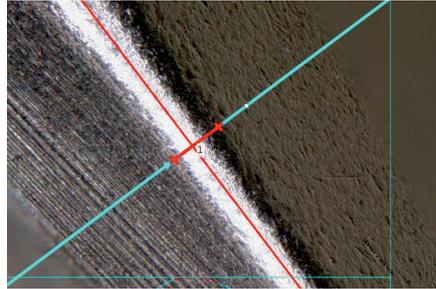
Solid carbide twist drills

During designing modern tools we are focused on details which can not be seen with naked eye. Dynamic development of micro-finishing and PVD coating technologies, many prototypes and machining tests allow us to collect detailed knowledge about physical processes occurring during cutting.

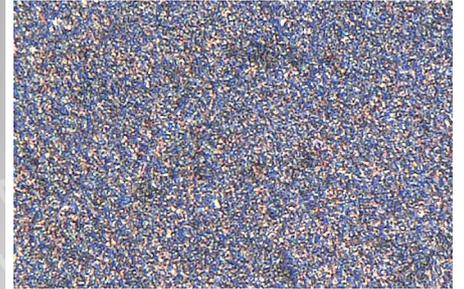
The latest achievement of our research and development works is **MASTERDRILL** which is high performance tool for wide range of materials. **MASTERDRILL**'s cutting edges are protected in way which has never been applied before.



Hard and heat resistant  
at coating for difficult  
machining conditions

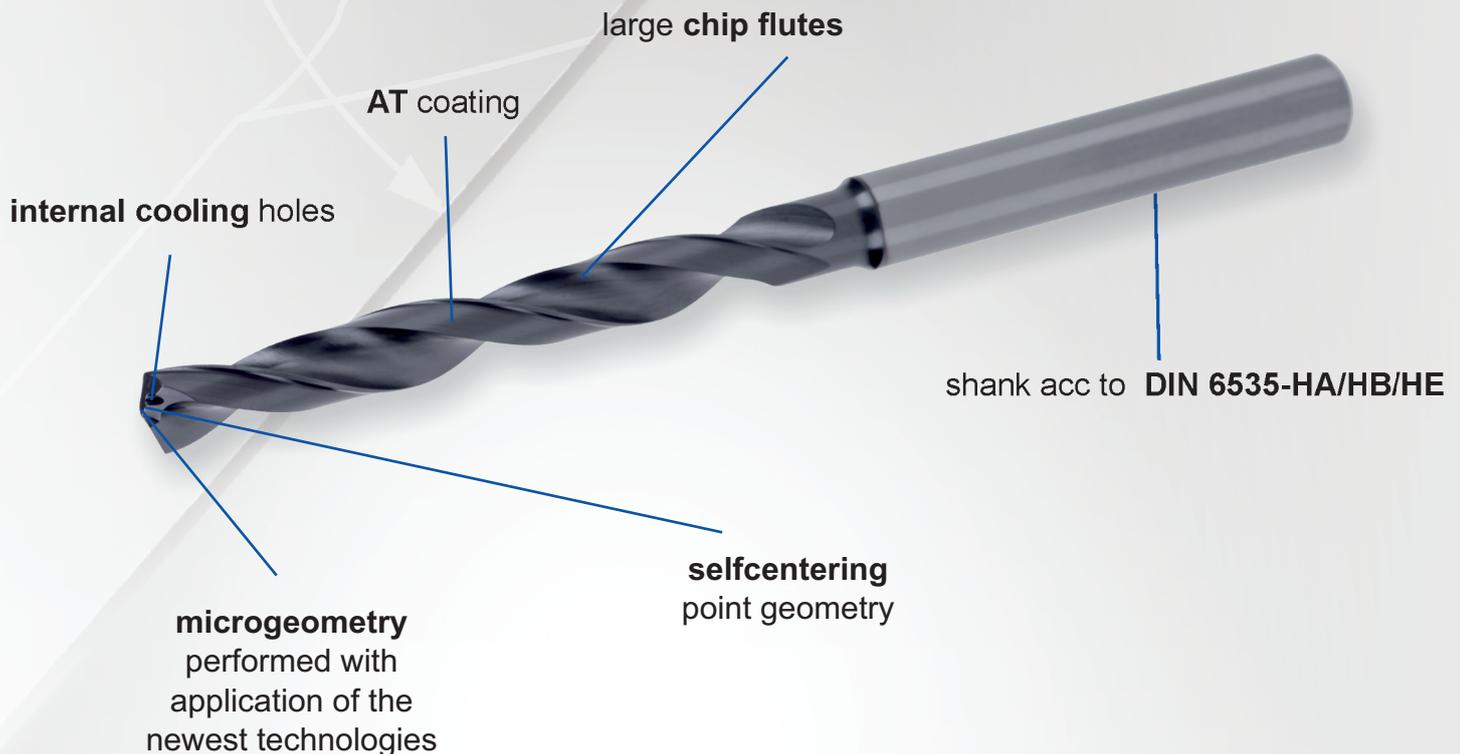


New cutting edges  
protection method



Wear resistant  
ultrafine carbide grade

## CONSTRUCTION



## DESIGN

- Dimensions are in accordance with the DIN-6537 standard for 3xD and 5xD length
- Dimensional range  $\varnothing 3$ - $\varnothing 20$
- Available diameters for drilling before threading with conventional taps and forming taps

## APPLICATION ACC TO ISO STANDARD

P

STEELS

N

NONFERROUS MATERIALS

M

STAINLESS STEELS

S

HEAT RESISTANT MATERIALS

K

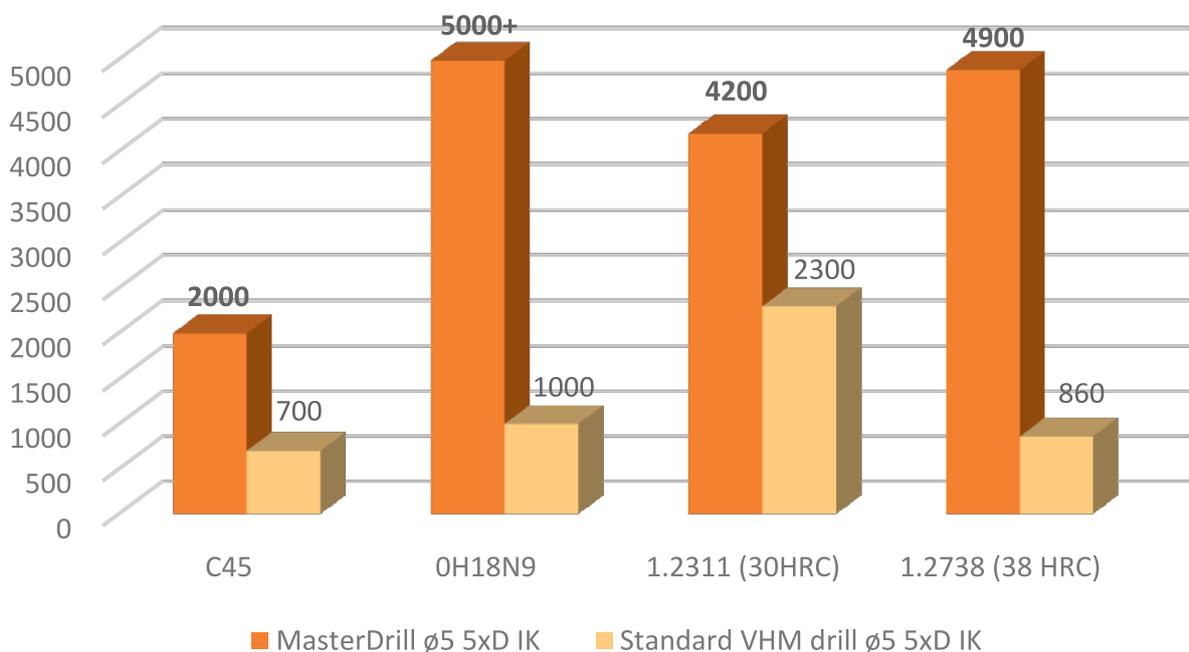
CAST IRON

## FEATURES AND ADVANTAGES

- Increased productivity thanks to much longer tool life in comparison to standard VHM drills
- High surface quality of produced holes and dimensional precision
- Optimized construction for machining different materials and wide dimensional range ensure possibility of application in most cases



### NUMBER OF HOLES PRODUCED BY **MASTERDRILL** IN COMPARISON TO STANDARD VHM DRILL





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**MASTERDRILL**

Solid carbide twist drills