

EVEN HARDER.

EVEN MORE PRECISE.

EVEN SHARPER.

# HSS-Wood Twist Drills

High-quality and precise.

PRECISE AND CLEAN BORES.  
OPTIMUM GUIDING FOR INCLINED  
BORES.  
GROUNDED HIGH-QUALITY  
CHROME STEEL DESIGN.





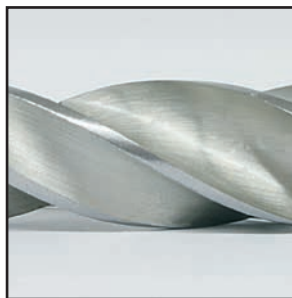
## HSS-WOOD TWIST DRILL: “013C” HIGH-QUALITY AND PRECISE.

The HSS wood twist drill von FISCH®-TOOLS is ideally suitable for carrying out exact and clean work in soft and hard wood, glue-laminated boards as well as MDF boards and acrylic glass. Thanks to its special processing, it is the absolute pro among wood twist drills.



### Shank design:

Up to a diameter of 10 mm, cylindrical, like drill diameter; from a drill diameter of 11 mm - 20 mm, the shaft diameter is 10 mm; from a drill diameter of 22 mm - 32 mm, the shank diameter is 13 mm



### Grounded design

It even cuts on the back guides and the chips are removed from the bore almost without friction.







The HSS wood twist drill is made of high-quality chrome steel and, in addition to the centre point, it is equipped with 2 main cutters and 2 spurs as well as with a ground back guide.

The drill is produced completely in a single clamping process, ensuring the highest possible concentricity. Optimised spurs in a special “drawn” version make it possible to simultaneously pull

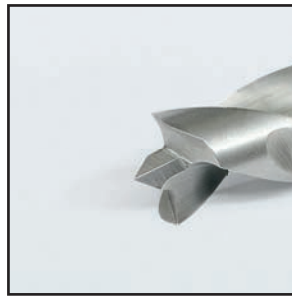
down and separate the wood fibres when starting to circularly drill the wood and thus prevents the wood from tearing out.

Two razor-sharp CNC-ground main cutters ensure quick and clean drilling. The two precisely ground back guides ensure an absolutely round and custom-tailored bore. Four smoothly ground spirals

provide optimum and fast chip removal. This wood twist drill design can be used in any position, i.e. not only for straight, but also for inclined bores, without deviating from the intended direction.



2 spurs with precisely the same height create a pull cut and separate the wood fibres properly and smoothly.



Precisely centric centre point to ensure that the drill does not deviate from the desired drilling direction. It guarantees improved concentricity.



## Technical Data for 013C wood twist drill:

Technical data		
Diameter	Total length	Shank
3	70	cyl.
4	75	cyl.
5	85	cyl.
6	95   200	cyl.
7	110   200	cyl.
8	110   117   200	cyl.
9	110   200	cyl.
10	110   133   200	cyl.
11	110   200	10
12	110   151   200	10
13	110   200	10
14	110   151   200	10
15	110   200	10
16	160   200	10
18	140   180	10
20	200	10
22	210	13
24	215	13
26	215	13
28	220	13
30	220	13
32	220	13

## 013C wood twist drill cases:

Technical data
Content
4-5-6-8-10
6-8-10-12-14-16 (TL: 200 mm)
4-5-6-7-8-9-10-12-13-14-15
4-5-6-7-8-9-10-12-14-15-16



## QUALITY, PRECISION AND INNOVATION SINCE 1946.

With its drill factory in West Styria, Austria and its subsidiary Fammab Eberhard France S.A. in France, Johann Eberhard Ges.m.b.H specialises in the production of high-quality drilling and milling tools.

The most important prerequisite for high-quality tools is the right selection of raw materials.

Due to the standardisation of steels and the high-quality steel-processing in Europe, we can say with a clear conscience that we only use the best raw materials for the processing of our tools. Cutting is performed on state-of-the-art CNC- or

robot-controlled machines which ensure the highest possible processing precision. In addition to the standard products from the range of drilling and milling tools, we produce custom-made solutions on the basis of samples, drawings or joint development together with the customer. This is where the factors of long-term expertise and economic requirements merge to become a "FISCH® precision tool".

We leave nothing to chance! You can depend on our quality.

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