



7. Drills

Drills

Drills with HM working part and holder made from steel permanently joint with carbide, brazed drills and monolithic drills made entirely from HM. Drills with HM tips, designed for professional machining of solid soft, hard and glued wood and other wood-based materials. They are used for through and dowel drilling, counterboring and drilling slots for hinge boxes.

Drills are manufactured from the highest quality carbide in a special shaping technology, properly selected for the machining process and material as well as type of work, parameters and conditions prevailing during the machining, in order to guarantee proper work of the tool and chip flow from the machining zone both in standard and extreme conditions. Monolithic drills are made entirely from high quality small-grain carbide in the advanced profile sharpening technology.

The tools are designed and produced with special rake face and optimized chip flow. Very precise manufacturing allows for working with rotation speed up to 9000 r.p.m. All drills are manufactured on modern CNC machines of world-renowned producers, which guarantee high accuracy and precision of the produced tools. Quality control takes place directly on the machine by using special

measurement systems as well as outside the machine on special measurement devices. The construction and production remains in accordance with all points of safety standard EN/PN-847-1 concerning tools for mechanical woodworking.

The *Drills* chapter includes only example types of drills with their basic dimensions. On special request, we can suggest, design and produce a proper tool for the required type of machining, material and parameters and conditions of work. Production time of drills marked as "+" as well as special ones made on client's request usually doesn't exceed 9-15 working days.

Orders should include

- working part diameter (D),
- shank part diameter (d),
- shank length (s),
- working part length (h),
- type of machined material,
- profile drawing with dimensions or profile sample,
- other information relevant for designing and production process.



Contents

7. Drills

Pictograms	7.3
7.1 Dowel drills Professional	7.5
7.2 Dowel drills SuperFinish	7.9
7.3 Dowel drills SuperFinish LongLife	7.12
7.4 Through drills Professional	7.16
7.5 Through drills SuperFinish	7.17
7.6 Through drills SuperFinish LongLife	7.19
7.7 Cutter heads with exchangeable inserts	7.26
7.8 Drill holders	7.27
7.9 Countersinks	7.28

Pictograms



solid dry softwood



solid dry hardwood



chipboard



glued wood



MDF board



dowel drills



through drills



cylinder boring bits



mechanical feed



carbide



carbide monolith

Dowel drills

Type	WNL-01	WNL-01S	WNL-01S
Series	☆☆☆ PROFESSIONAL DRILLS	☆☆☆☆ SUPER FINISH	☆☆☆☆☆ SUPER FINISH LONG LIFE
Drill			
Material	☆☆☆ Wood and glued wood	☆☆☆☆ Wood and glued wood	☆☆☆☆☆ Wood and glued wood
	☆☆ MDF, HDF and similar materials	☆☆☆☆ MDF, HDF and similar materials	☆☆☆☆☆ MDF, HDF and similar materials
	☆ Laminated board	☆☆☆☆ Laminated board	☆☆☆☆☆ Laminated board
	☆ Board covered with foil, paper and veneer	☆☆☆☆ Board covered with foil, paper and veneer	☆☆☆☆☆ Board covered with foil, paper and veneer
Geometry	 	 	 
Description	Professional dowel drills with HM tip, type WNL-01 and WNL-02. Standard brazed HM drills, the most economical solution, designed for professional machining of wood and wood based materials. Recommended for wood, glued wood and plywood. If high quality hole finishing is not necessary, they can be used for making holes in chipboard, MDF, HDF and similar.	Dowel drills with HM tip and SuperFinish geometry, type WNL-01S and WNL-02S. Brazed HM drills with SuperFinish geometry is an optimal solution for clean and tear out free drilling in wood and wood based materials as chipboard, laminated board, MDF, HDF and similar as well as various type of board covered in paper, foil, veneer etc	Dowel monolith HM drills with increased life and SuperFinish geometry, type WNL-01S. SuperFinish and LongLife are drills with full carbide core (the whole working part is a carbide monolith) and SuperFinish geometry. A perfect solution for clean and tear out free drilling in wood and wood based materials as chipboard, laminated board, MDF, HDF and similar as well as various type of board covered in paper, foil, veneer etc.

Solution: ☆ - not recommended ☆ - acceptable ☆☆ - good ☆☆☆ - very good ☆☆☆☆ - optimal ☆☆☆☆☆ - perfect

Professional dowel drills with HM tip, type **WNL-01**, designed for professional machining of wood and wood based materials such chipboard, MDF and others, for use on multi-spindle drilling machines.

Standard brazed HM drills, recommended for wood, glued wood and plywood.

Type of work: dowel drilling.

Material: wood and glued wood, plywood, chipboard, MDF, HDF and similar.



WNL-01



☆☆☆
PROFESSIONAL
DRILLS



H=25 mm

L=57,5 mm

☆☆☆
PROFESSIONAL
DRILLS

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm	
WNL01.050.10.057.025R	WNL01.050.10.057.025L	WNL-01	5	10 x 27	57,5	25	+
WNL01.060.10.057.025R	WNL01.060.10.057.025L	WNL-01	6	10 x 27	57,5	25	+
WNL01.070.10.057.025R	WNL01.070.10.057.025L	WNL-01	7	10 x 27	57,5	25	+
WNL01.075.10.057.025R	WNL01.075.10.057.025L	WNL-01	7,5	10 x 27	57,5	25	+
WNL01.080.10.057.025R	WNL01.080.10.057.025L	WNL-01	8	10 x 27	57,5	25	+
WNL01.082.10.057.025R	WNL01.082.10.057.025L	WNL-01	8,2	10 x 27	57,5	25	+
WNL01.100.10.057.025R	WNL01.100.10.057.025L	WNL-01	10	10 x 27	57,5	25	+
WNL01.120.10.057.025R	WNL01.120.10.057.025L	WNL-01	12	10 x 27	57,5	25	+
WNL01.140.10.057.025R	WNL01.140.10.057.025L	WNL-01	14	10 x 27	57,5	25	+
WNL01.150.10.057.025R	WNL01.150.10.057.025L	WNL-01	15	10 x 27	57,5	25	+

7

H=32 mm

L=57,5 mm

☆☆☆
PROFESSIONAL
DRILLS

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm	
WNL01.050.10.057.032R	WNL01.050.10.057.032L	WNL-01	5	10 x 20	57,5	32	+
WNL01.060.10.057.032R	WNL01.060.10.057.032L	WNL-01	6	10 x 20	57,5	32	+
WNL01.070.10.057.032R	WNL01.070.10.057.032L	WNL-01	7	10 x 20	57,5	32	+
WNL01.075.10.057.032R	WNL01.075.10.057.032L	WNL-01	7,5	10 x 20	57,5	32	+
WNL01.080.10.057.032R	WNL01.080.10.057.032L	WNL-01	8	10 x 20	57,5	32	+
WNL01.082.10.057.032R	WNL01.082.10.057.032L	WNL-01	8,2	10 x 20	57,5	32	+
WNL01.100.10.057.032R	WNL01.100.10.057.032L	WNL-01	10	10 x 20	57,5	32	+
WNL01.120.10.057.032R	WNL01.120.10.057.032L	WNL-01	12	10 x 20	57,5	32	+
WNL01.140.10.057.032R	WNL01.140.10.057.032L	WNL-01	14	10 x 20	57,5	32	+
WNL01.150.10.057.032R	WNL01.150.10.057.032L	WNL-01	15	10 x 20	57,5	32	+

For „+“ minimum order: 1) 50 pcs (D<10) 2) 30 pcs (D≥10)

L=70 mm

H=38 mm

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm	
WNL01.050.10.070.038R	WNL01.050.10.070.038L	WNL-01	5	10 x 27	70	38	+
WNL01.055.10.070.038R	WNL01.055.10.070.038L	WNL-01	5,5	10 x 27	70	38	+
WNL01.060.10.070.038R	WNL01.060.10.070.038L	WNL-01	6	10 x 27	70	38	+
WNL01.065.10.070.038R	WNL01.065.10.070.038L	WNL-01	6,5	10 x 27	70	38	+
WNL01.070.10.070.038R	WNL01.070.10.070.038L	WNL-01	7	10 x 27	70	38	+
WNL01.075.10.070.038R	WNL01.075.10.070.038L	WNL-01	7,5	10 x 27	70	38	+
WNL01.080.10.070.038R	WNL01.080.10.070.038L	WNL-01	8	10 x 27	70	38	+
WNL01.082.10.070.038R	WNL01.082.10.070.038L	WNL-01	8,2	10 x 27	70	38	+
WNL01.085.10.070.038R	WNL01.085.10.070.038L	WNL-01	8,5	10 x 27	70	38	+
WNL01.090.10.070.038R	WNL01.090.10.070.038L	WNL-01	9	10 x 27	70	38	+
WNL01.100.10.070.038R	WNL01.100.10.070.038L	WNL-01	10	10 x 27	70	38	+
WNL01.110.10.070.038R	WNL01.110.10.070.038L	WNL-01	11	10 x 27	70	38	+
WNL01.120.10.070.038R	WNL01.120.10.070.038L	WNL-01	12	10 x 27	70	38	+
WNL01.130.10.070.038R	WNL01.130.10.070.038L	WNL-01	13	10 x 27	70	38	•
WNL01.150.10.070.038R	WNL01.150.10.070.038L	WNL-01	15	10 x 27	70	38	•

L=70 mm

H=45 mm

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm	
WNL01.050.10.070.045R	WNL01.050.10.070.045L	WNL-01	5	10 x 20	70	45	+
WNL01.055.10.070.045R	WNL01.055.10.070.045L	WNL-01	5,5	10 x 20	70	45	+
WNL01.060.10.070.045R	WNL01.060.10.070.045L	WNL-01	6	10 x 20	70	45	+
WNL01.065.10.070.045R	WNL01.065.10.070.045L	WNL-01	6,5	10 x 20	70	45	+
WNL01.070.10.070.045R	WNL01.070.10.070.045L	WNL-01	7	10 x 20	70	45	+
WNL01.075.10.070.045R	WNL01.075.10.070.045L	WNL-01	7,5	10 x 20	70	45	+
WNL01.080.10.070.045R	WNL01.080.10.070.045L	WNL-01	8	10 x 20	70	45	+
WNL01.082.10.070.045R	WNL01.082.10.070.045L	WNL-01	8,2	10 x 20	70	45	+
WNL01.085.10.070.045R	WNL01.085.10.070.045L	WNL-01	8,5	10 x 20	70	45	+
WNL01.090.10.070.045R	WNL01.090.10.070.045L	WNL-01	9	10 x 20	70	45	+
WNL01.100.10.070.045R	WNL01.100.10.070.045L	WNL-01	10	10 x 20	70	45	+
WNL01.110.10.070.045R	WNL01.110.10.070.045L	WNL-01	11	10 x 20	70	45	+
WNL01.120.10.070.045R	WNL01.120.10.070.045L	WNL-01	12	10 x 20	70	45	+
WNL01.130.10.070.045R	WNL01.130.10.070.045L	WNL-01	13	10 x 20	70	45	+
WNL01.150.10.070.045R	WNL01.150.10.070.045L	WNL-01	15	10 x 20	70	45	+

For „+“ minimum order: 1) 50 pcs (D<10) 2) 30 pcs (D≥10)

Professional dowel drills with HM tip and double helix line, type **WNL-02**, designed for professional machining of wood and wood based materials such chipboard, MDF and others, for use on multi-spindle drilling machines.

Standard brazed HM drills, recommended for wood, glued wood and plywood

Type of work: dowel drilling.

Material: wood and glued wood, plywood, chipboard, MDF, HDF and similar.

WNL-02



PROFESSIONAL
DRILLS



H=55 mm

L=90 mm

PROFESSIONAL
DRILLS

7

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WNL02.050.10.090.055R	WNL02.050.10.090.055L	WNL-02	5	10 x 27	90	55
WNL02.060.10.090.055R	WNL02.060.10.090.055L	WNL-02	6	10 x 27	90	55
WNL02.070.10.090.055R	WNL02.070.10.090.055L	WNL-02	7	10 x 27	90	55
WNL02.075.10.090.055R	WNL02.075.10.090.055L	WNL-02	7,5	10 x 27	90	55
WNL02.080.10.090.055R	WNL02.080.10.090.055L	WNL-02	8	10 x 27	90	55

H=65 mm

L=90 mm

PROFESSIONAL
DRILLS

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WNL02.050.10.090.065R	WNL02.050.10.090.065L	WNL-02	5	10 x 20	90	65
WNL02.060.10.090.065R	WNL02.060.10.090.065L	WNL-02	6	10 x 20	90	65
WNL02.070.10.090.065R	WNL02.070.10.090.065L	WNL-02	7	10 x 20	90	65
WNL02.080.10.090.065R	WNL02.080.10.090.065L	WNL-02	8	10 x 20	90	65
WNL02.100.10.090.065R	WNL02.100.10.090.065L	WNL-02	10	10 x 20	90	65
WNL02.120.10.090.065R	WNL02.120.10.090.065L	WNL-02	12	10 x 20	90	65

For „+“ minimum order: 1) 50 pcs (D<10) 2) 30 pcs (D≥10)

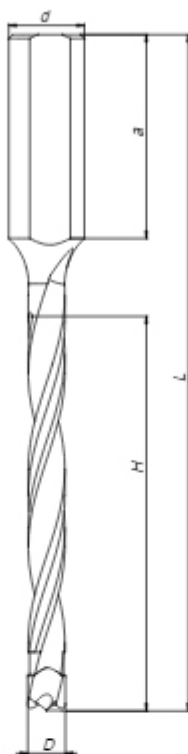
WNL-01S

Dowel drills with HM tip and SuperFinish geometry, type WNL-01S designed for professional and precise machining of wood and wood based materials such chipboard, laminated board, MDF, HDF and others, as well as various type of board covered in paper, foil, veneer, for use on multi-spindle drilling machines.

Type of work: dowel drilling.

Material: wood and glued wood, plywood, chipboard, MDF, HDF and similar, laminated board, board covered in paper, foil, veneer.

☆☆☆☆
**SUPER
FINISH**



☆☆☆☆
**SUPER
FINISH**

L=57,5 mm

H=25 mm

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WNL01S.050.08.057.025R	WNL01S.050.08.057.025L	WNL-01S	5	8 x 27	57,5	25
WNL01S.050.10.057.025R	WNL01S.050.10.057.025L	WNL-01S	5	10 x 27	57,5	25
WNL01S.060.10.057.025R	WNL01S.060.10.057.025L	WNL-01S	6	10 x 27	57,5	25
WNL01S.070.10.057.025R	WNL01S.070.10.057.025L	WNL-01S	7	10 x 27	57,5	25
WNL01S.075.10.057.025R	WNL01S.075.10.057.025L	WNL-01S	7,5	10 x 27	57,5	25
WNL01S.080.08.057.025R	WNL01S.080.08.057.025L	WNL-01S	8	8 x 27	57,5	25
WNL01S.080.10.057.025R	WNL01S.080.10.057.025L	WNL-01S	8	10 x 27	57,5	25
WNL01S.082.08.057.025R	WNL01S.082.08.057.025L	WNL-01S	8,2	8 x 27	57,5	25
WNL01S.082.10.057.025R	WNL01S.082.10.057.025L	WNL-01S	8,2	10 x 27	57,5	25
WNL01S.100.08.057.025R	WNL01S.100.08.057.025L	WNL-01S	10	8 x 27	57,5	25
WNL01S.100.10.057.025R	WNL01S.100.10.057.025L	WNL-01S	10	10 x 27	57,5	25
WNL01S.120.10.057.025R	WNL01S.120.10.057.025L	WNL-01S	12	10 x 27	57,5	25



H=32 mm

L=57,5 mm

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WNL01S.050.10.057.032R	WNL01S.050.10.057.032L	WNL-01S	5	10 x 20	57,5	32
WNL01S.055.10.057.032R	WNL01S.055.10.057.032L	WNL-01S	5,5	10 x 20	57,5	32
WNL01S.060.10.057.032R	WNL01S.060.10.057.032L	WNL-01S	6	10 x 20	57,5	32
WNL01S.065.10.057.032R	WNL01S.065.10.057.032L	WNL-01S	6,5	10 x 20	57,5	32
WNL01S.070.10.057.032R	WNL01S.070.10.057.032L	WNL-01S	7	10 x 20	57,5	32
WNL01S.075.10.057.032R	WNL01S.075.10.057.032L	WNL-01S	7,5	10 x 20	57,5	32
WNL01S.080.10.057.032R	WNL01S.080.10.057.032L	WNL-01S	8	10 x 20	57,5	32
WNL01S.082.10.057.032R	WNL01S.082.10.057.032L	WNL-01S	8,2	10 x 20	57,5	32
WNL01S.100.10.057.032R	WNL01S.100.10.057.032L	WNL-01S	10	10 x 20	57,5	32
WNL01S.120.10.057.032R	WNL01S.120.10.057.032L	WNL-01S	12	10 x 20	57,5	32

H=38 mm

L=70 mm



Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WNL01S.050.08.070.038R	WNL01S.050.08.070.038L	WNL-01S	5	8 x 27	70	38
WNL01S.050.10.070.038R	WNL01S.050.10.070.038L	WNL-01S	5	10 x 27	70	38
WNL01S.055.08.070.038R	WNL01S.055.08.070.038L	WNL-01S	5,5	8 x 27	70	38
WNL01S.055.10.070.038R	WNL01S.055.10.070.038L	WNL-01S	5,5	10 x 27	70	38
WNL01S.060.08.070.038R	WNL01S.060.08.070.038L	WNL-01S	6	8 x 27	70	38
WNL01S.060.10.070.038R	WNL01S.060.10.070.038L	WNL-01S	6	10 x 27	70	38
WNL01S.065.10.070.038R	WNL01S.065.10.070.038L	WNL-01S	6,5	10 x 27	70	38
WNL01S.070.10.070.038R	WNL01S.070.10.070.038L	WNL-01S	7	10 x 27	70	38
WNL01S.075.10.070.038R	WNL01S.075.10.070.038L	WNL-01S	7,5	10 x 27	70	38
WNL01S.080.08.070.038R	WNL01S.080.08.070.038L	WNL-01S	8	8 x 27	70	38
WNL01S.080.10.070.038R	WNL01S.080.10.070.038L	WNL-01S	8	10 x 27	70	38
WNL01S.082.08.070.038R	WNL01S.082.08.070.038L	WNL-01S	8,2	8 x 27	70	38
WNL01S.082.10.070.038R	WNL01S.082.10.070.038L	WNL-01S	8,2	10 x 27	70	38
WNL01S.085.10.070.038R	WNL01S.085.10.070.038L	WNL-01S	8,5	10 x 27	70	38
WNL01S.090.10.070.038R	WNL01S.090.10.070.038L	WNL-01S	9	10 x 27	70	38
WNL01S.100.08.070.038R	WNL01S.100.08.070.038L	WNL-01S	10	8 x 27	70	38
WNL01S.100.10.070.038R	WNL01S.100.10.070.038L	WNL-01S	10	10 x 27	70	38
WNL01S.110.10.070.038R	WNL01S.110.10.070.038L	WNL-01S	11	10 x 27	70	38
WNL01S.120.10.070.038R	WNL01S.120.10.070.038L	WNL-01S	12	10 x 27	70	38

☆☆☆☆
**SUPER
FINISH**

L=70 mm**H=45 mm**

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WNL01S.050.10.070.045R	WNL01S.050.10.070.045L	WNL-01S	5	10 x 20	70	45
WNL01S.055.10.070.045R	WNL01S.055.10.070.045L	WNL-01S	5,5	10 x 20	70	45
WNL01S.060.08.070.045R	WNL01S.060.08.070.045L	WNL-01S	6	8 x 20	70	45
WNL01S.060.10.070.045R	WNL01S.060.10.070.045L	WNL-01S	6	10 x 20	70	45
WNL01S.065.10.070.045R	WNL01S.065.10.070.045L	WNL-01S	6,5	10 x 20	70	45
WNL01S.070.10.070.045R	WNL01S.070.10.070.045L	WNL-01S	7	10 x 20	70	45
WNL01S.075.10.070.045R	WNL01S.075.10.070.045L	WNL-01S	7,5	10 x 20	70	45
WNL01S.080.08.070.045R	WNL01S.080.08.070.045L	WNL-01S	8	8 x 20	70	45
WNL01S.080.10.070.045R	WNL01S.080.10.070.045L	WNL-01S	8	10 x 20	70	45
WNL01S.082.10.070.045R	WNL01S.082.10.070.045L	WNL-01S	8,2	10 x 20	70	45
WNL01S.085.10.070.045R	WNL01S.085.10.070.045L	WNL-01S	8,5	10 x 20	70	45
WNL01S.090.10.070.045R	WNL01S.090.10.070.045L	WNL-01S	9	10 x 20	70	45
WNL01S.100.10.070.045R	WNL01S.100.10.070.045L	WNL-01S	10	10 x 20	70	45
WNL01S.110.10.070.045R	WNL01S.110.10.070.045L	WNL-01S	11	10 x 20	70	45
WNL01S.120.10.070.045R	WNL01S.120.10.070.045L	WNL-01S	12	10 x 20	70	45

FABA



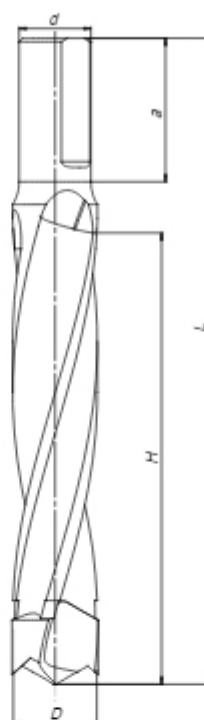
Woodworking without secrets

Dowel drills with HM tip, double helix line and Superfinish geometry, type WNL-02S designed for professional and precise machining of wood and wood based materials as chipboard, laminated board, MDF, HDF and others as well as various type of board covered in paper, foil, veneer etc. for use on multi-spindle drilling machines.

Type of work: dowel drilling.

Material: wood and glued wood, plywood, chipboard, MDF, HDF and similar, laminated board, board covered in paper, foil, veneer.

WNL-02S



★★★★
**SUPER
FINISH**



H=55 mm

L=90 mm

★★★★
**SUPER
FINISH**

7

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WNL02S.050.10.090.055R	WNL02S.050.10.090.055L	WNL-02S	5	10 x 27	90	55
WNL02S.060.10.090.055R	WNL02S.060.10.090.055L	WNL-02S	6	10 x 27	90	55
WNL02S.070.10.090.055R	WNL02S.070.10.090.055L	WNL-02S	7	10 x 27	90	55
WNL02S.075.10.090.055R	WNL02S.075.10.090.055L	WNL-02S	7,5	10 x 27	90	55
WNL02S.080.10.090.055R	WNL02S.080.10.090.055L	WNL-02S	8	10 x 27	90	55

H=65 mm

L=90 mm

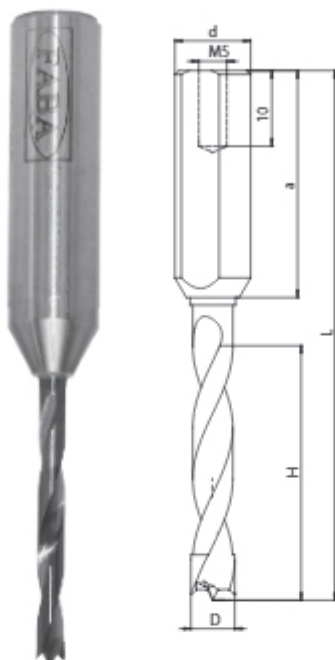
★★★★
**SUPER
FINISH**

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WNL02S.050.10.090.065R	WNL02S.050.10.090.065L	WNL-02S	5	10 x 20	90	65
WNL02S.060.10.090.065R	WNL02S.060.10.090.065L	WNL-02S	6	10 x 20	90	65
WNL02S.070.10.090.065R	WNL02S.070.10.090.065L	WNL-02S	7	10 x 20	90	65
WNL02S.080.10.090.065R	WNL02S.080.10.090.065L	WNL-02S	8	10 x 20	90	65
WNL02S.100.10.090.065R	WNL02S.100.10.090.065L	WNL-02S	10	10 x 20	90	65
WNL02S.120.10.090.065R	WNL02S.120.10.090.065L	WNL-02S	12	10 x 20	90	65

For „+“ minimum order 10 pcs

WNM-01S

☆☆☆☆☆
**SUPER
FINISH**
LONG LIFE



Dowel monolith HM drills with increased life (LongLife) and SuperFinish geometry, type WNM-01S designed for professional and precise machining of wood and wood based materials as chipboard, laminated board, MDF, HDF and others as well as various type of board covered in paper, foil, veneer etc. for use on multi-spindle drilling machines. It is a group of drills with HM core which significantly increases the working part stiffness, resulting in longer and stable work. Special SuperFinish geometry and manufacturing precision guarantee higher work efficiency and blade life.

Type of work: dowel drilling.

Material: wood and glued wood, plywood, chipboard, MDF, HDF and similar, laminated board, board covered in paper, foil, veneer.



☆☆☆☆☆
**SUPER
FINISH**
LONG LIFE

L=57,5 mm

H=15 mm

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WNM01S.030.10.057.015R	WNM01S.030.10.057.015L	WNM-01S	3	10 x 39	57,5	15
WNM01S.035.10.057.015R	WNM01S.035.10.057.015L	WNM-01S	3,5	10 x 39	57,5	15

☆☆☆☆☆
**SUPER
FINISH**
LONG LIFE

L=57,5 mm

H=24 mm

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WNM01S.030.10.057.024R	WNM01S.030.10.057.024L	WNM-01S	3	10 x 30	57,5	24
WNM01S.040.10.057.024R	WNM01S.040.10.057.024L	WNM-01S	4	10 x 30	57,5	24
WNM01S.045.10.057.024R	WNM01S.045.10.057.024L	WNM-01S	4,5	10 x 30	57,5	24
WNM01S.050.08.057.024R	WNM01S.050.08.057.024L	WNM-01S	5	8 x 30	57,5	24
WNM01S.050.10.057.024R	WNM01S.050.10.057.024L	WNM-01S	5	10 x 30	57,5	24
WNM01S.055.10.057.024R	WNM01S.055.10.057.024L	WNM-01S	5,5	10 x 30	57,5	24
WNM01S.060.10.057.024R	WNM01S.060.10.057.024L	WNM-01S	6	10 x 30	57,5	24
WNM01S.065.10.057.024R	WNM01S.065.10.057.024L	WNM-01S	6,5	10 x 30	57,5	24
WNM01S.070.10.057.024R	WNM01S.070.10.057.024L	WNM-01S	7	10 x 30	57,5	24
WNM01S.080.08.057.024R	WNM01S.080.08.057.024L	WNM-01S	8	8 x 30	57,5	24
WNM01S.080.10.057.024R	WNM01S.080.10.057.024L	WNM-01S	8	10 x 30	57,5	24
WNM01S.100.10.057.024R	WNM01S.100.10.057.024L	WNM-01S	10	10 x 30	57,5	24

☆☆☆☆☆
**SUPER
FINISH**
LONG LIFE

H=34 mm

L=57,5 mm

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WNM01S.030.10.057.034R	WNM01S.030.10.057.034L	WNM-01S	3	10 x 20	57,5	34
WNM01S.035.10.057.034R	WNM01S.035.10.057.034L	WNM-01S	3,5	10 x 20	57,5	34
WNM01S.040.10.057.034R	WNM01S.040.10.057.034L	WNM-01S	4	10 x 20	57,5	34
WNM01S.045.10.057.034R	WNM01S.045.10.057.034L	WNM-01S	4,5	10 x 20	57,5	34
WNM01S.050.10.057.034R	WNM01S.050.10.057.034L	WNM-01S	5	10 x 20	57,5	34
WNM01S.055.10.057.034R	WNM01S.055.10.057.034L	WNM-01S	5,5	10 x 20	57,5	34
WNM01S.060.10.057.034R	WNM01S.060.10.057.034L	WNM-01S	6	10 x 20	57,5	34
WNM01S.065.10.057.034R	WNM01S.065.10.057.034L	WNM-01S	6,5	10 x 20	57,5	34
WNM01S.070.10.057.034R	WNM01S.070.10.057.034L	WNM-01S	7	10 x 20	57,5	34
WNM01S.075.10.057.034R	WNM01S.075.10.057.034L	WNM-01S	7,5	10 x 20	57,5	34
WNM01S.080.10.057.034R	WNM01S.080.10.057.034L	WNM-01S	8	10 x 20	57,5	34
WNM01S.100.10.057.034R	WNM01S.100.10.057.034L	WNM-01S	10	10 x 20	57,5	34

H=28 mm

L=70 mm

☆☆☆☆☆
**SUPER
FINISH**
LONG LIFE

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WNM01S.030.10.070.028R	WNM01S.030.10.070.028L	WNM-01S	3	10 x 39	70	28

H=35 mm

L=70 mm

☆☆☆☆☆
**SUPER
FINISH**
LONG LIFE

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WNM01S.030.10.070.035R	WNM01S.030.10.070.035L	WNM-01S	3	10 x 30	70	35
WNM01S.035.10.070.035R	WNM01S.035.10.070.035L	WNM-01S	3,5	10 x 30	70	35
WNM01S.040.10.070.035R	WNM01S.040.10.070.035L	WNM-01S	4	10 x 30	70	35
WNM01S.045.10.070.035R	WNM01S.045.10.070.035L	WNM-01S	4,5	10 x 30	70	35
WNM01S.050.08.070.035R	WNM01S.050.08.070.035L	WNM-01S	5	8 x 30	70	35
WNM01S.050.10.070.035R	WNM01S.050.10.070.035L	WNM-01S	5	10 x 30	70	35
WNM01S.055.08.070.035R	WNM01S.055.08.070.035L	WNM-01S	5,5	8 x 30	70	35
WNM01S.055.10.070.035R	WNM01S.055.10.070.035L	WNM-01S	5,5	10 x 30	70	35
WNM01S.060.08.070.035R	WNM01S.060.08.070.035L	WNM-01S	6	8 x 30	70	35
WNM01S.060.10.070.035R	WNM01S.060.10.070.035L	WNM-01S	6	10 x 30	70	35
WNM01S.065.10.070.035R	WNM01S.065.10.070.035L	WNM-01S	6,5	10 x 30	70	35
WNM01S.070.10.070.035R	WNM01S.070.10.070.035L	WNM-01S	7	10 x 30	70	35
WNM01S.075.10.070.035R	WNM01S.075.10.070.035L	WNM-01S	7,5	10 x 30	70	35
WNM01S.080.08.070.035R	WNM01S.080.08.070.035L	WNM-01S	8	8 x 30	70	35
WNM01S.080.10.070.035R	WNM01S.080.10.070.035L	WNM-01S	8	10 x 30	70	35
WNM01S.100.10.070.035R	WNM01S.100.10.070.035L	WNM-01S	10	10 x 30	70	35

**L=70 mm****H=45 mm**

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WNM01S.030.10.070.045R	WNM01S.030.10.070.045L	WNM-01S	3	10 x 20	70	45
WNM01S.035.10.070.045R	WNM01S.035.10.070.045L	WNM-01S	3,5	10 x 20	70	45
WNM01S.040.10.070.045R	WNM01S.040.10.070.045L	WNM-01S	4	10 x 20	70	45
WNM01S.045.10.070.045R	WNM01S.045.10.070.045L	WNM-01S	4,5	10 x 20	70	45
WNM01S.050.10.070.045R	WNM01S.050.10.070.045L	WNM-01S	5	10 x 20	70	45
WNM01S.055.10.070.045R	WNM01S.055.10.070.045L	WNM-01S	5,5	10 x 20	70	45
WNM01S.060.10.070.045R	WNM01S.060.10.070.045L	WNM-01S	6	10 x 20	70	45
WNM01S.065.10.070.045R	WNM01S.065.10.070.045L	WNM-01S	6,5	10 x 20	70	45
WNM01S.070.10.070.045R	WNM01S.070.10.070.045L	WNM-01S	7	10 x 20	70	45
WNM01S.075.10.070.045R	WNM01S.075.10.070.045L	WNM-01S	7,5	10 x 20	70	45
WNM01S.080.10.070.045R	WNM01S.080.10.070.045L	WNM-01S	8	10 x 20	70	45
WNM01S.100.10.070.045R	WNM01S.100.10.070.045L	WNM-01S	10	10 x 20	70	45

**L=77 mm****H=45 mm**

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WNM01S.050.10.077.045R	WNM01S.050.10.077.045L	WNM-01S	5	10 x 30	77	45
WNM01S.055.10.077.045R	WNM01S.055.10.077.045L	WNM-01S	5,5	10 x 30	77	45
WNM01S.060.10.077.045R	WNM01S.060.10.077.045L	WNM-01S	6	10 x 30	77	45
WNM01S.070.10.077.045R	WNM01S.070.10.077.045L	WNM-01S	7	10 x 30	77	45
WNM01S.080.10.077.045R	WNM01S.080.10.077.045L	WNM-01S	8	10 x 30	77	45

**L=90 mm****H=55 mm**

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WNM01S.050.10.090.055R	WNM01S.050.10.090.055L	WNM-01S	5	10 x 30	90	55
WNM01S.055.10.090.055R	WNM01S.055.10.090.055L	WNM-01S	5,5	10 x 30	90	55
WNM01S.060.10.090.055R	WNM01S.060.10.090.055L	WNM-01S	6	10 x 30	90	55
WNM01S.070.10.090.055R	WNM01S.070.10.090.055L	WNM-01S	7	10 x 30	90	55
WNM01S.080.10.090.055R	WNM01S.080.10.090.055L	WNM-01S	8	10 x 30	90	55

**L=90 mm****H=65 mm**

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WNM01S.050.10.090.065R	WNM01S.050.10.090.065L	WNM-01S	5	10 x 20	90	65
WNM01S.055.10.090.065R	WNM01S.055.10.090.065L	WNM-01S	5,5	10 x 20	90	65
WNM01S.060.10.090.065R	WNM01S.060.10.090.065L	WNM-01S	6	10 x 20	90	65
WNM01S.070.10.090.065R	WNM01S.070.10.090.065L	WNM-01S	7	10 x 20	90	65
WNM01S.080.10.090.065R	WNM01S.080.10.090.065L	WNM-01S	8	10 x 30	90	65

Through drills

Type	WPL-01	WPL-01S	WPM-01S
Series	☆☆☆ PROFESSIONAL DRILLS	☆☆☆☆ SUPER FINISH	☆☆☆☆☆ SUPER FINISH LONG LIFE
Drill			
Material	☆☆☆ Wood and glued wood	☆☆☆☆ Wood and glued wood	☆☆☆☆☆ Wood and glued wood
	☆☆ MDF, HDF and similar materials	☆☆☆☆ MDF, HDF and similar materials	☆☆☆☆☆ MDF, HDF and similar materials
	☆ Laminated board	☆☆☆☆ Laminated board	☆☆☆☆☆ Laminated board
	☆ Board covered with foil, paper and veneer	☆☆☆☆ Board covered with foil, paper and veneer	☆☆☆☆☆ Board covered with foil, paper and veneer
Geometry			
Description	Professional through drills with HM tip, type WPL-01. Standard brazed HM drills, the most economical solution, designed for professional machining of wood and wood based materials. Recommended for wood, glued wood and plywood. If high quality hole finishing is not necessary, they can be used for making holes in chipboard, MDF, HDF and similar.	Through drills with HM tip and SuperFinish geometry, type WPL-01S. Brazed HM drills with SuperFinish geometry is an optimal solution for clean and tear out free drilling in wood and wood based materials as chipboard, laminated board MDF, HDF and similar as well as various type of board covered in paper, foil, veneer etc.	Through monolith HM drills with increased life (LongLife) and SuperFinish geometry, type WPM-01S designed for professional and precise machining of wood and wood based materials as chipboard, laminated board, MDF, HDF and others as well as various type of board covered in paper, foil, veneer etc. for use on multi-spindle drilling machines. It is a group of drills with HM core which significantly increases the working part stiffness, resulting in longer and stable work. Special SuperFinish geometry and manufacturing precision guarantee higher work efficiency and blade life.

Solution: ☆ - not recommended ☆ - acceptable ☆☆ - good ☆☆☆ - very good ☆☆☆☆ - optimal ☆☆☆☆☆ - perfect

WPL-01



Professional through drills with HM tip, type WPL-01, designed for professional machining of wood and wood based materials such chipboard, MDF and others, for use on multi-spindle drilling machines.

Standard brazed HM drills, recommended for wood, glued wood and plywood.

Type of work: through drilling.

Material: wood and glued wood, plywood, chipboard, MDF, HDF and similar.

☆☆☆
PROFESSIONAL
DRILLS



☆☆☆
PROFESSIONAL
DRILLS

L=70 mm

H=40 mm

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WPL01.050.10.070.040R	WPL01.050.10.070.040L	WPL-01	5	10 x 25	70	40
WPL01.055.10.070.040R	WPL01.055.10.070.040L	WPL-01	5,5	10 x 25	70	40
WPL01.060.10.070.040R	WPL01.060.10.070.040L	WPL-01	6	10 x 25	70	40
WPL01.065.10.070.040R	WPL01.065.10.070.040L	WPL-01	6,5	10 x 25	70	40
WPL01.070.10.070.040R	WPL01.070.10.070.040L	WPL-01	7	10 x 25	70	40
WPL01.075.10.070.040R	WPL01.075.10.070.040L	WPL-01	7,5	10 x 25	70	40
WPL01.080.10.070.040R	WPL01.080.10.070.040L	WPL-01	8	10 x 25	70	40
WPL01.090.10.070.040R	WPL01.090.10.070.040L	WPL-01	9	10 x 25	70	40
WPL01.100.10.070.040R	WPL01.100.10.070.040L	WPL-01	10	10 x 25	70	40
WPL01.110.10.070.040R	WPL01.110.10.070.040L	WPL-01	11	10 x 25	70	40
WPL01.120.10.070.040R	WPL01.120.10.070.040L	WPL-01	12	10 x 25	70	40

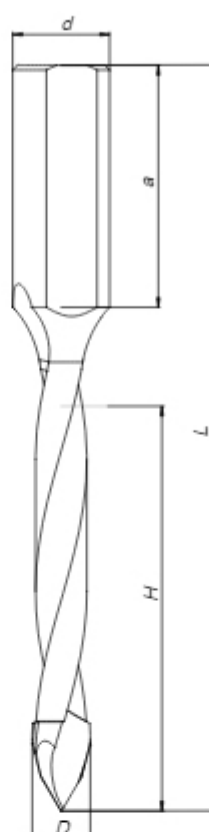
For „+“ minimum order: 1) 50 pcs (D<10) 2) 30 pcs (D≥10)

Through drills with HM tip and SuperFinish geometry, type WPL-01S, designed for professional and precise machining of wood and wood based materials as chipboard, laminated board, MDF, HDF and others as well as various type of board covered in paper, foil, veneer etc. for use on multi-spindle drilling machines.

Type of work: dowel drilling.

Material: wood and glued wood, plywood, chipboard, MDF, HDF and similar, laminated board, board covered in paper, foil, veneer.

WPL-01S



★★★★
**SUPER
FINISH**



H=40 mm

L=70 mm

★★★★
**SUPER
FINISH**

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WPL01S.050.08.070.040R	WPL01S.050.08.070.040L	WPL-01S	5	8 x 25	70	40
WPL01S.050.10.070.040R	WPL01S.050.10.070.040L	WPL-01S	5	10 x 25	70	40
WPL01S.055.10.070.040R	WPL01S.055.10.070.040L	WPL-01S	5,5	10 x 25	70	40
WPL01S.060.08.070.040R	WPL01S.060.08.070.040L	WPL-01S	6	8 x 25	70	40
WPL01S.060.10.070.040R	WPL01S.060.10.070.040L	WPL-01S	6	10 x 25	70	40
WPL01S.065.10.070.040R	WPL01S.065.10.070.040L	WPL-01S	6,5	10 x 25	70	40
WPL01S.070.08.070.040R	WPL01S.070.08.070.040L	WPL-01S	7	8 x 25	70	40
WPL01S.070.10.070.040R	WPL01S.070.10.070.040L	WPL-01S	7	10 x 25	70	40
WPL01S.075.10.070.040R	WPL01S.075.10.070.040L	WPL-01S	7,5	10 x 25	70	40
WPL01S.080.08.070.040R	WPL01S.080.08.070.040L	WPL-01S	8	8 x 25	70	40
WPL01S.080.10.070.040R	WPL01S.080.10.070.040L	WPL-01S	8	10 x 25	70	40
WPL01S.090.10.070.040R	WPL01S.090.10.070.040L	WPL-01S	9	10 x 26	70	40
WPL01S.100.10.070.040R	WPL01S.100.10.070.040L	WPL-01S	10	10 x 25	70	40
WPL01S.110.10.070.040R	WPL01S.110.10.070.040L	WPL-01S	11	10 x 26	70	40
WPL01S.120.10.070.040R	WPL01S.120.10.070.040L	WPL-01S	12	10 x 25	70	40

**L=77 mm****H=50 mm**

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WPL01S.050.10.077.050R	WPL01S.050.10.077.050L	WPL-01S	5	10 x 20	77	50
WPL01S.055.10.077.050R	WPL01S.055.10.077.050L	WPL-01S	5,5	10 x 20	77	50
WPL01S.060.10.077.050R	WPL01S.060.10.077.050L	WPL-01S	6	10 x 20	77	50
WPL01S.070.10.077.050R	WPL01S.070.10.077.050L	WPL-01S	7	10 x 20	77	50
WPL01S.080.10.077.050R	WPL01S.080.10.077.050L	WPL-01S	8	10 x 20	77	50
WPL01S.090.10.077.050R	WPL01S.090.10.077.050L	WPL-01S	9	10 x 20	77	50
WPL01S.100.10.077.050R	WPL01S.100.10.077.050L	WPL-01S	10	10 x 20	77	50
WPL01S.120.10.077.050R	WPL01S.120.10.077.050L	WPL-01S	12	10 x 20	77	50

**L=90 mm****H=60 mm**

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WPL01S.050.10.090.060R	WPL01S.050.10.090.060L	WPL-01S	5	10 x 25	90	60
WPL01S.060.10.090.060R	WPL01S.060.10.090.060L	WPL-01S	6	10 x 25	90	60
WPL01S.070.10.090.060R	WPL01S.070.10.090.060L	WPL-01S	7	10 x 25	90	60
WPL01S.080.10.090.060R	WPL01S.080.10.090.060L	WPL-01S	8	10 x 25	90	60
WPL01S.090.10.090.060R	WPL01S.090.10.090.060L	WPL-01S	9	10 x 25	90	60
WPL01S.100.10.090.060R	WPL01S.100.10.090.060L	WPL-01S	10	10 x 25	90	60
WPL01S.120.10.090.060R	WPL01S.120.10.090.060L	WPL-01S	12	10 x 25	90	60

**L=90 mm****H=65 mm**

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WPL01S.050.10.090.065R	WPL01S.050.10.090.065L	WPL-01S	5	10 x 20	90	65
WPL01S.060.10.090.065R	WPL01S.060.10.090.065L	WPL-01S	6	10 x 20	90	65
WPL01S.070.10.090.065R	WPL01S.070.10.090.065L	WPL-01S	7	10 x 20	90	65
WPL01S.080.10.090.065R	WPL01S.080.10.090.065L	WPL-01S	8	10 x 20	90	65
WPL01S.090.10.090.065R	WPL01S.090.10.090.065L	WPL-01S	9	10 x 20	90	65
WPL01S.100.10.090.065R	WPL01S.100.10.090.065L	WPL-01S	10	10 x 20	90	65
WPL01S.120.10.090.065R	WPL01S.120.10.090.065L	WPL-01S	12	10 x 20	90	65

For „+“ minimum order 10 pcs

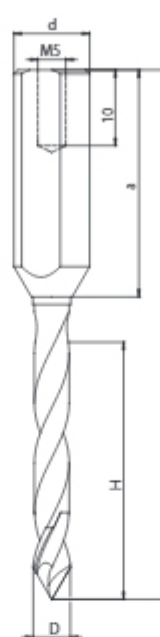
Through monolith HM drills with increased life, type WPM-01S. SuperFinish and LongLife are drills with full carbide core (the whole working part is a carbide monolith) and SuperFinish geometry. A perfect solution for clean and tear out free drilling in wood and wood based materials as chipboard, laminated board, MDF, HDF and similar as well as various type of board covered in paper, foil, veneer etc.

Type of work: dowel drilling.

Material: wood and glued wood, plywood, chipboard, MDF, HDF and similar, laminated board, board covered in paper, foil, veneer.



WPM-01S



★★★★★
**SUPER
FINISH**
LONG LIFE



H=28 mm / H=35 mm

L=70 mm

★★★★★
**SUPER
FINISH**
LONG LIFE

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WPM01S.030.10.070.028R	WPM01S.030.10.070.028L	WPM-01S	3	10 x 39	70	28
WPM01S.030.10.070.035R	WPM01S.030.10.070.035L	WPM-01S	3	10 x 30	70	35
WPM01S.040.10.070.035R	WPM01S.040.10.070.035L	WPM-01S	4	10 x 30	70	35
WPM01S.045.10.070.035R	WPM01S.045.10.070.035L	WPM-01S	4,5	10 x 30	70	35
WPM01S.050.10.070.035R	WPM01S.050.10.070.035L	WPM-01S	5	10 x 30	70	35
WPM01S.055.10.070.035R	WPM01S.055.10.070.035L	WPM-01S	5,5	10 x 30	70	35
WPM01S.060.10.070.035R	WPM01S.060.10.070.035L	WPM-01S	6	10 x 30	70	35
WPM01S.065.10.070.035R	WPM01S.065.10.070.035L	WPM-01S	6,5	10 x 30	70	35
WPM01S.070.10.070.035R	WPM01S.070.10.070.035L	WPM-01S	7	10 x 30	70	35
WPM01S.075.10.070.035R	WPM01S.075.10.070.035L	WPM-01S	7,5	10 x 30	70	35
WPM01S.080.10.070.035R	WPM01S.080.10.070.035L	WPM-01S	8	10 x 30	70	35

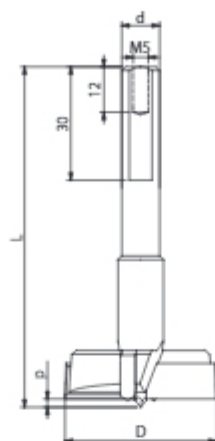
H=45 mm

L=70 mm

★★★★★
**SUPER
FINISH**
LONG LIFE

Catalogue number R	Catalogue number L	Type	D mm	d x a mm	L mm	H mm
WPM01S.030.10.070.045R	WPM01S.030.10.070.045L	WPM-01S	3	10 x 20	70	45
WPM01S.040.10.070.045R	WPM01S.040.10.070.045L	WPM-01S	4	10 x 20	70	45
WPM01S.045.10.070.045R	WPM01S.045.10.070.045L	WPM-01S	4,5	10 x 20	70	45
WPM01S.050.10.070.045R	WPM01S.050.10.070.045L	WPM-01S	5	10 x 20	70	45
WPM01S.055.10.070.045R	WPM01S.055.10.070.045L	WPM-01S	5,5	10 x 20	70	45
WPM01S.060.10.070.045R	WPM01S.060.10.070.045L	WPM-01S	6	10 x 20	70	45
WPM01S.070.10.070.045R	WPM01S.070.10.070.045L	WPM-01S	7	10 x 20	70	45
WPM01S.080.10.070.045R	WPM01S.080.10.070.045L	WPM-01S	8	10 x 20	70	45

TW-301 right



Cylinder boring bits with HM tip, type **TW-301** (right) designed for making holes for box hinges in wood and wood-based materials as chipboard, laminated board, MDF and others.

Type of work: dowel drilling.

Material: wood and glued wood, chipboard, MDF and similar materials.



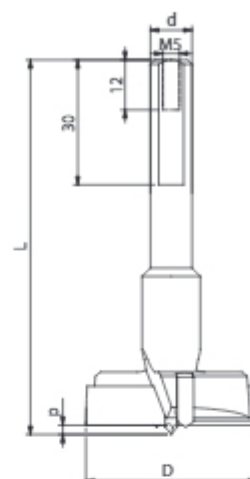
Catalogue number	Type	D mm	L mm	d mm	p mm		n _{min}	
W0100080	TW-301	15	57	8	1,5	R	9000	•
W0100001	TW-301	15	57	10	1,5	R	9000	•
W0100067	TW-301	15	70	10	1,5	R	9000	•
W0100307	TW-301	15	90	10	1,5	R	9000	+
W0100002	TW-301	16	57	10	1,5	R	9000	•
W0100003	TW-301	17	57	10	1,5	R	9000	+
W0100004	TW-301	18	57	10	1,5	R	9000	•
W0100005	TW-301	19	57	10	1,5	R	9000	•
W0100081	TW-301	20	57	8	1,5	R	9000	•
W0100006	TW-301	20	57	10	1,5	R	9000	•
W0100082	TW-301	20	70	10	1,5	R	9000	•
W0100250	TW-301	20	90	10	1,5	R	9000	+
W0100007	TW-301	22	57	10	1,5	R	9000	•
W0100008	TW-301	24	57	10	1,5	R	9000	•
W0100058	TW-301	25	57	8	1,5	R	9000	+
W0100009	TW-301	25	57	10	1,5	R	9000	•
W0100063	TW-301	25	70	10	1,5	R	9000	•
W0100064	TW-301	25	90	10	1,5	R	9000	+
W0100010	TW-301	26	57	10	1,5	R	9000	•
W0100011	TW-301	30	57	10	1,5	R	9000	•
W0100012	TW-301	34	57	10	1,5	R	9000	•
W0100212	TW-301	35	57	8	1,5	R	9000	•
W0100013	TW-301	35	57	10	1,5	R	9000	•
W0100062	TW-301	35	70	10	1,5	R	9000	•
W0100233	TW-301	35	90	10	1,5	R	9000	+
W0100014	TW-301	40	57	10	2,2	R	9000	•
W0100015	TW-301	45	57	10	2,2	R	9000	•
W0100016	TW-301	50	57	10	2,2	R	6000	•
W0100047	TW-301	50	70	10	2,2	R	6000	•
W0100282	TW-301	50	90	10	2,2	R	6000	+
W0100018	TW-301	55	57	10	2,2	R	6000	•
W0100017	TW-301	60	57	10	2,2	R	6000	•

Cylinder boring bits with HM tip, type **TW-302** (left) designed for making holes for box hinges in wood and wood-based materials as chipboard, laminated board, MDF and others.

Type of work: dowel drilling.

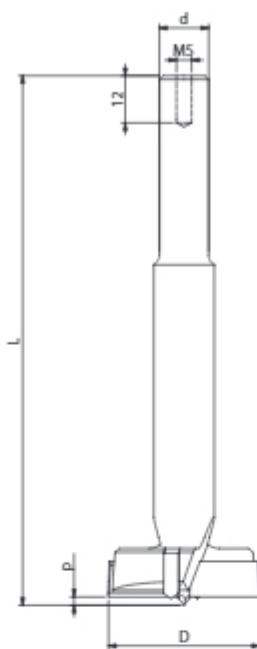
Material: glued wood, chipboard, MDF and similar materials.

TW-302 left



Catalogue number	Type	D mm	L mm	d mm	P mm		n _{min}	
W0200001	TW-302	15	57	10	1,5	L	9000	•
W0200054	TW-302	15	70	10	1,5	L	9000	•
W0200002	TW-302	16	57	10	1,5	L	9000	+
W0200004	TW-302	18	57	10	1,5	L	9000	•
W0200006	TW-302	20	57	10	1,5	L	9000	•
W0200059	TW-302	20	70	10	1,5	L	9000	•
W0200009	TW-302	25	57	10	1,5	L	9000	+
W0200052	TW-302	25	70	10	1,5	L	9000	•
W0200053	TW-302	25	90	10	1,5	L	9000	+
W0200010	TW-302	26	57	10	1,5	L	9000	•
W0200011	TW-302	30	57	10	1,5	L	9000	+
W0200012	TW-302	34	57	10	1,5	L	9000	+
W0200013	TW-302	35	57	10	1,5	L	9000	•
W0200051	TW-302	35	70	10	1,5	L	9000	•
W0200086	TW-302	40	90	10	1,5	L	9000	+

TW-301



Cylinder boring bits with HM tip, type **TW-301** (right) designed for making holes for box hinges in wood and wood-based materials as chipboard, laminated board, MDF and others.

Boring bits with shank other than $d=10$ mm are made as standard without the flat part.

Type of work: dowel drilling.

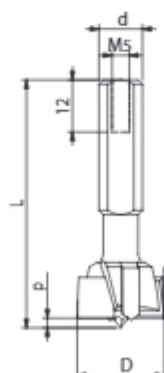
Material: glued wood, chipboard, MDF and similar materials.



Catalogue number	Type	D mm	L mm	d mm	p mm	↗	n _{min}	
W0100388	TW-301	25	140	13	1,5	R	9000	+
W0100147	TW-301	50	140	16	2,2	R	6000	+

We offer the flat part on the shank on customer's request.

TW-301A



Cylinder boring bits with HM tip and decreased pilot (centering point) height, type **TW-301A** (right) designed for making holes for box hinges in wood and wood-based materials as chipboard, laminated board, MDF and others. Special boring bit construction – decreased pilot height eliminates the risk of ripping the material on the other side of the board, with small material thickness.

Type of work: dowel drilling.

Material: glued wood, chipboard, MDF and similar materials.



Catalogue number	Type	D mm	L mm	d mm	p mm	↗	n _{min}	
W0100336	TW-301A	15	57	10	1	R	9000	•
W0100098	TW-301A	15	70	10	1	R	9000	•

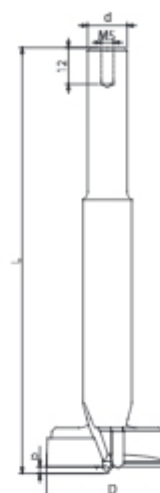
Cylinder boring bits with HM tip, type **TW-302** (left) designed for making holes for box hinges in wood and wood-based materials as chipboard, laminated board, MDF and others.

Drills with shank other than $d=10$ mm are made as standard without the flat part.

Type of work: dowel drilling.

Material: glued wood, chipboard, MDF and similar materials.

TW-302



Catalogue number	Type	D mm	L mm	d mm	P mm		n _{max}	
W0200140	TW-302	40	140	13	2,2	L	9000	+

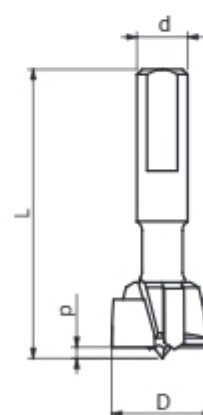
We offer the flat part on the shank on customer's request.

Cylinder boring bits with HM tip and decreased pilot (centering point) height, type **TW-302A** (left) designed for making holes for box hinges in wood and wood-based materials as chipboard, laminated board, MDF and others. Special boring bit construction – decreased pilot height eliminates the risk of ripping the material on the other side of the board, with small material thickness.

Type of work: dowel drilling.

Material: glued wood, chipboard, MDF and similar materials.

TW-302A



Catalogue number	Type	D mm	L mm	d mm	P mm		n _{max}	
W0200336	TW-302A	15	57	10	1	L	9000	•
W0200098	TW-302A	15	70	10	1	L	9000	•

TW-301C

TW-302C



Cylinder boring bits with pilot drill, type **TW-301C** (right) and **TW-302C** (left) designed for making holes for box hinges in wood and wood-based materials as chipboard, laminated board, MDF and others. Special boring bit construction allows for making high quality combined holes in one operation.

Cylinder boring bits with pilot drill are produced only on individual customer's request. We can manufacture, as a component, a pilot drill:

- dowel or through type,
- monolith or with HM tip.

Drills with shank other than $d=10$ mm are made as standard without the flat part.

Type of work: dowel and through drilling (depending on the component).

Material: glued wood, chipboard, MDF and similar materials.



Catalogue number	Type	D mm	D ₁ mm	L mm	d mm	H mm	a	↗
W0100426	TW-301C	25	10	57	10	45	25	R +
W0100267	TW-301C	30	7	70	10	30	30	R +

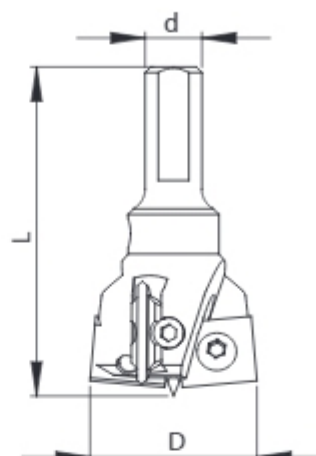
We offer the flat part on the shank
on customer's request.

Cylinder boring cutter heads with exchangeable HM knives, type **FTS-30** designed for making holes for box hinges in wood and wood-based materials as chipboard, laminated board, MDF and others.

Type of work: dowel drilling.

Material: glued wood, chipboard, MDF and similar materials.

FTS-30

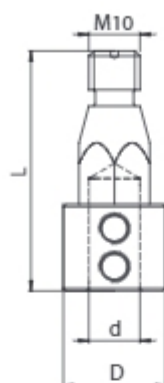


Catalogue number	Type	D mm	L mm	d mm	↗	
FTS.30P2501.01	FTS-30	25	58	10	R	+
FTS.30L2501.01	FTS-30	25	58	10	L	+
FTS.30P2501.02	FTS-30	25	70	10	R	+
FTS.30L2501.02	FTS-30	25	70	10	L	+
FTS.30P2601.01	FTS-30	26	58	10	R	+
FTS.30L2601.01	FTS-30	26	58	10	L	+
FTS.30P2601.02	FTS-30	26	70	10	R	+
FTS.30L2601.02	FTS-30	26	70	10	L	+
FTS.30P3001.01	FTS-30	30	58	10	R	+
FTS.30L3001.01	FTS-30	30	58	10	L	+
FTS.30P3001.02	FTS-30	30	70	10	R	+
FTS.30L3001.02	FTS-30	30	70	10	L	+
FTS.30P3501.01	FTS-30	35	58	10	R	+
FTS.30L3501.01	FTS-30	35	58	10	L	+
FTS.30P3501.02	FTS-30	35	70	10	R	+
FTS.30L3501.02	FTS-30	35	70	10	L	+

Spare parts for cutter heads FTS-30

Cat. nr	Name	Dimensions	Quantity		
	Knife	Bx13,2x2	2		+
N0000726	Spurs	18x6x3,5	2		+
WHAI01602	Pilot	Ø3x33,5	1		+
Cat. nr	Name	Dimensions	Quantity		
WHAS00004	Screw	M4x6	2		•
WHAS00063	Screw	M3,5x6	2		+
WHAW00008	Push screw	M6x6	1		•
WHAS00026	Locating screw	M5x10	1		+

OST-01

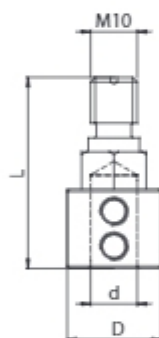


Conical drill holder.

For conical drill holders we use push screws M6 x 6 according to DIN 914 standard.

Catalogue number	Type	D mm	d mm	L mm		
U0001001	OST-01	20	10	47	R	•
U0001002	OST-01	20	10	47	L	•

OWA-01

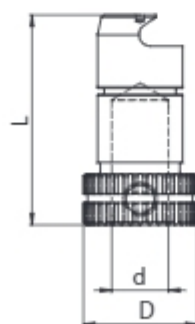


Cylindrical drill holder.

For cylindrical drill holders we use push screws M6 x 6 according to DIN 914 standard.

Catalogue number	Type	D mm	d mm	L mm		
U0001003	OWA-01	20	10	41	R	•
U0001004	OWA-01	20	10	41	L	•

OSZ-01



Quick-release drill holder.

For quick-release drill holders we use push screws M6 x 6 according to DIN 553 standard.

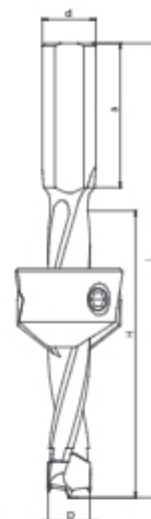
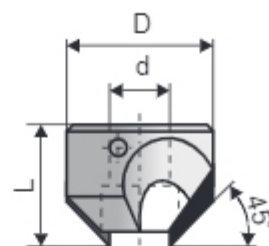
Catalogue number	Type	D mm	d mm	L mm	
U0001005	OSZ-01	20	10	37	•

Countersink for drills.

PG-01 countersink is used with drills with brazed HM tips:

- WN-03,
- WN-06,
- WN-07.

The countersink can be mounted on the working part of a drill with double helix line.

PG-01

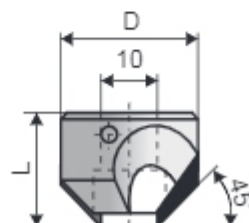
Catalogue number	Type	D mm	d mm	L mm	↗	
K1000001	PG-01	14	4	12	R	+
K1000002	PG-01	14	4	12	L	+
K1000003	PG-01	14	5	12	R	+
K1000004	PG-01	14	5	12	L	+
K1000005	PG-01	16	6	14	R	+
K1000006	PG-01	16	6	14	L	+
K1000007	PG-01	16	7	14	R	+
K1000008	PG-01	16	7	14	L	+
K1000009	PG-01	16	8	16	R	+
K1000010	PG-01	16	8	16	L	+
K1000011	PG-01	20	10	18	R	+
K1000012	PG-01	20	10	18	L	+
K1000013	PG-01	20	12	18	R	+
K1000014	PG-01	20	12	18	L	+

Countersink for drills.

PG-02 countersink is used with drills with brazed HM tips:

- WN-01,
- WN-02,
- WN-04,
- WP-01,
- WP-03,
- WP-06.

The countersink can be mounted on the shank of a drill. It is necessary to use a cylindrical shank with the flat part.

PG-02

Catalogue number	Type	D mm	d mm	L mm	↗	
K4000001	PG-02	20	4÷10	15	R	+
K4000002	PG-02	20	4÷10	15	L	+
K4000003	PG-02	22	11÷12	16	R	+
K4000004	PG-02	22	11÷12	16	L	+