



METAL CUTTING TOOLS

《《《《 ASME 》》》》

2024 CATALOG

www.vulcan-indus.com



Metal Cutting Tools

Provide Overall Solutions For Metal Cutting

ODM&OEM

All Products Can Be Customized

FEATURES

- Reduce Dust Deposition
- Long Service Life rapid Drilling
- Uniform Chip Removal Reduce Friction



VULCAN

Vulcan Industry Co.,Ltd





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Straight Shank Twist Drill



Aircraft Extension Drill



Taper Shank Twist Drill



Annular Cutter

WWW.VULCAN-INDUS.COM 

Please visit our website for more information.













UDL Drill



VA Groove Step Drill



Parabolic Drill



Hex Shank Twist Drill



Auger Drill



Wood Drill



Silver&Deming Twist Drill



Hammer Drill



Step Drill



Router Bit Set



Screwdriving Drill Bit



Spiral Flute Tap



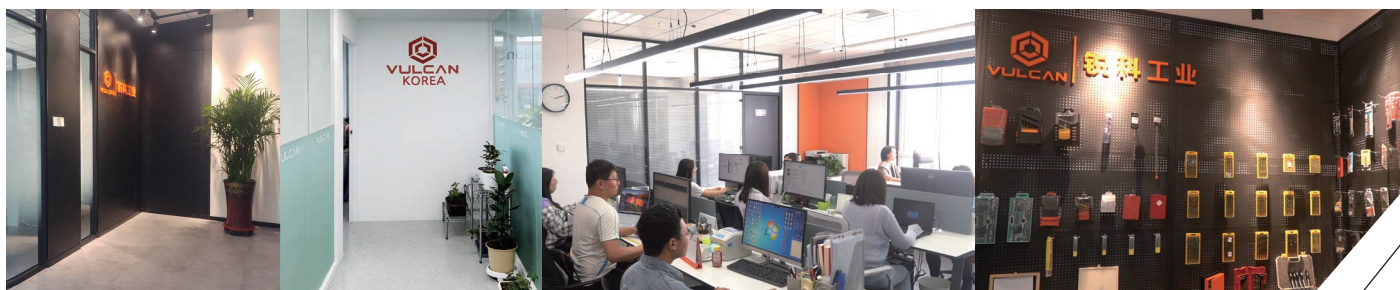
VULCAN INDUSTRY

Vulcan Industry Co., Ltd is a company engaged in the sales and export of high speed steel (HSS) metal cutting tools, with 33,300M² factory located in Liaoning, China.

The range of our product includes a variety of conventional tools such as straight shank twist drills, aviation drills, Silver & Deming twist drills, taper shank drills, and double end drills. Additionally, we offer special products like hex shank drills, woodworking drills, masonry drills, step drills, tap, etc. All available in a wide range of specifications and models. These products are subjected to strict verification and control by the Vulcan's quality teams, allowing Vulcan to guarantee its clients a very high degree of reliability in relation to the products sold.

As an export-oriented enterprise, our core values of professionalism, efficiency and stability is our development concept. Our extensive product delivery capabilities, dedicated team, and strong vendor community allows us to support the toughest technical challenges and provide the best possible solutions to our clients' requirements, no matter how simple or complex.

Over the years growth, we have successfully attracted a global customer base with our products being primarily exported to the United States, Europe, Russia, and other countries and regions. And in 2023, we have expanded our business to South Korea with the foundation of Vulcan Industry(Korea) Co., Ltd.



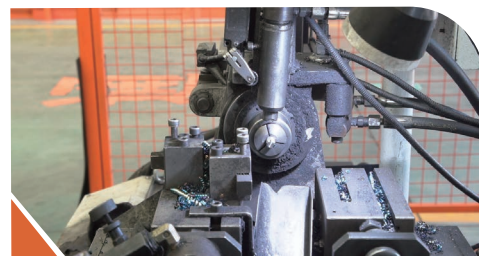
WORK SHOP



Material Area



Material Cut-off Area



Tip Grinding



Quenching



Tempering



Chamfering



Centerless Grinding



Flute Grinding



CNC Grinding



Quality Inspection



Finish Product Stock



Packing



HSS Straight Shank Twist Drill



Features

ASME
B94.11M



Vulcan's high-speed steel twist drills, which possess exceptional toughness and heat resistance. These drills are designed to support a variety of processes including standard, fully-ground, and rolling. They can effectively and precisely cut through various materials such as steel, stainless steel, cast iron, superalloy, non-ferrous metals, and other high-strength materials.

- ☐ HSS material
- ☐ Diameter
- ☐ Tip shape
- ☐ Margin shape
- ☐ Bit end
- ☐ Product color library

Inch

Straight Shank Twist Drill-Jobber Length-Fractional

Diameter	Inch	Flute Length	Overall Length
1/64	.0156	3/16	3/4
1/32	.0312	1/2	1-3/8
3/64	.0469	3/4	1-3/4
1/16	.0625	7/8	1-7/8
5/64	.0781	1	2
3/32	.0938	1-1/4	2-1/4
7/64	.1094	1-1/2	2-5/8
1/8	.1250	1-5/8	2-3/4
9/64	.1406	1-3/4	2-7/8
5/32	.1562	2	3-1/8
11/64	.1719	2-1/8	3-1/4
3/16	.1875	2-5/16	3-1/2
13/64	.2031	2-7/16	3-5/8
7/32	.2188	2-1/2	3-3/4
15/64	.2344	2-5/8	3-7/8
1/4	.2500	2-3/4	4
17/64	.2656	2-7/8	4-1/8
9/32	.2812	2-15/16	4-1/4
19/64	.2969	3-1/16	4-3/8
5/16	.3125	3-3/16	4-1/2
21/64	.3281	3-5/16	4-5/8
11/32	.3438	3-7/16	4-3/4
23/64	.3594	3-1/2	4-7/8
3/8	.3750	3-5/8	5
25/64	.3906	3-3/4	5-1/8
13/32	.4062	3-7/8	5-1/4
27/64	.4219	3-15/16	5-3/8

The whole size we can produce: 1/64-11/16, 1/64" carry
Please visit our website for more information.

mm

Metric Straight Shank Twist Drills -Jobbers Length

Diameter	Inch	Flute Length	Overall Length
1.00	.0394	11/16	1-5/8
1.50	.0591	7/8	1-7/8
2.00	.0787	1	2
2.50	.0984	1-3/8	2-3/8
3.00	.1181	1-5/8	2-3/4
3.50	.1378	1-3/4	2-7/8
4.00	.1575	2-1/8	3-1/4
4.50	.1772	2-3/16	3-3/8
5.00	.1969	2-7/16	3-5/8
5.50	.2165	2-1/2	3-3/4
6.00	.2362	2-3/4	4
6.50	.2559	2-7/8	4-1/8
7.00	.2756	2-7/8	4-1/8
7.50	.2953	3-1/16	4-3/8
8.00	.3150	3-3/16	4-1/2
8.50	.3346	3-7/16	4-3/4
9.00	.3543	3-1/2	4-7/8
9.50	.3740	3-5/8	5
10.00	.3937	3-3/4	5-1/8
10.50	.4134	3-7/8	5-1/4
11.00	.4331	4-1/16	5-1/2
11.50	.4528	4-3/16	5-5/8
12.00	.4724	4-3/8	5-7/8
12.50	.4921	4-1/2	6
13.00	.5118	4-1/2	6
13.50	.5315	4-13/16	6-5/8
14.00	.5512	4-13/16	6-5/8

The whole size we can produce: 1-17.5
Please visit our website for more information.



METAL



PLASTIC



WOOD



Alu



Inch	Straight Shank Twist Drill-Jobber Length-Letter			
	Diameter	Inch	Flute Length	Overall Length
	A	.2340	2-5/8	3-7/8
	B	.2380	2-3/4	4
	C	.2420	2-3/4	4
	D	.2460	2-3/4	4
	E	.2500	2-3/4	4
	F	.2570	2-7/8	4-1/8
	G	.2610	2-7/8	4-1/8
	H	.2660	2-7/8	4-1/8
I	.2720	2-7/8	4-1/8	
J	.2770	2-7/8	4-1/8	
K	.2810	2-15/16	4-1/4	
L	.2900	2-15/16	4-1/4	
M	.2950	3-1/16	4-3/8	
N	.3020	3-1/16	4-3/8	
O	.3160	3-3/16	4-1/2	
P	.3230	3-5/16	4-5/8	
Q	.3320	3-7/16	4-3/4	
R	.3390	3-7/16	4-3/4	
S	.3480	3-1/2	4-7/8	

The whole size we can produce: A-Z
Please visit our website for more information.

Inch	Straight Shank Twist Drill-Jobber Length-Number			
	Diameter	Inch	Flute Length	Overall Length
	#1	.2280	2-5/8	3-7/8
	#2	.2210	2-5/8	3-7/8
	#3	.2130	2-1/2	3-3/4
	#4	.2090	2-1/2	3-3/4
	#5	.2055	2-1/2	3-3/4
	#6	.2040	2-1/2	3-3/4
	#7	.2010	2-7/16	3-5/8
	#8	.1990	2-7/16	3-5/8
	#9	.1960	2-7/16	3-5/8
	#10	.1935	2-7/16	3-5/8
	#11	.1910	2-5/16	3-1/2
	#12	.1890	2-5/16	3-1/2
	#13	.1850	2-5/16	3-1/2
	#14	.1820	2-3/16	3-3/8
	#15	.1800	2-3/16	3-3/8
	#16	.1770	2-3/16	3-3/8
	#17	.1730	2-3/16	3-3/8
	#18	.1695	2-1/8	3-1/4
	#19	.1660	2-1/8	3-1/4
	#20	.1610	2-1/8	3-1/4
	#21	.1590	2-1/8	3-1/4
	#22	.1570	2	3-1/8
	#23	.1540	2	3-1/8
	#24	.1520	2	3-1/8
	#25	.1495	1-7/8	3
	#26	.1470	1-7/8	3

The whole size we can produce: #1-#97
Please visit our website for more information.

Packaging



Straight Shank Twist Drill-short Length



Inch Straight Shank Twist Drill-Short Length

Diameter	Inch	Flute Length	Overall Length
3/64	.0469	1/2	1-3/8
1/16	.0625	5/8	1-5/8
5/64	.0781	11/16	1-11/16
3/32	.0938	3/4	1-3/4
7/64	.1094	13/16	1-13/16
1/8	.1250	7/8	1-7/8

The whole size we can produce:3/64-2

#1	.2280	1-5/16	2-7/16
#2	.2210	1-5/16	2-7/16
#3	.2130	1-1/4	2-3/8
#4	.2090	1-1/4	2-3/8
#5	.2055	1-1/4	2-3/8
#6	.2040	1-1/4	2-3/8

The whole size we can produce:#1-#60

A	.2340	1-15/16	2-7/16
B	.2380	1-3/8	2-1/2
C	.2420	1-3/8	2-1/2
D	.2460	1-3/8	2-1/2
E	.2500	1-3/8	2-1/2

The whole size we can produce:A-Z

Straight Shank Twist Drill-long Length

Inch Straight Shank Twist Drill-Long Length

Diameter	Inch	Flute Length	Overall Length
1/64	.0156	5/16	1-1/2
1/32	.0312	3/4	2
3/64	.0469	1-1/8	2-1/4
1/16	.0625	1-3/4	3
5/64	.0781	2	3-3/4
3/32	.0938	2-1/4	4-1/4
7/64	.1094	2-1/2	4-5/8

The whole size we can produce:1/64-1-3/4

#1	.2280	3-3/4	6-1/8
#2	.2210	3-3/4	6-1/8
#3	.2130	3-5/8	6
#4	.2090	3-5/8	6
#5	.2055	3-5/8	6
#6	.2040	3-5/8	6

The whole size we can produce:#1-#80

A	.2340	3-3/4	6-1/8
B	.2380	3-3/4	6-1/8
C	.2420	3-3/4	6-1/8
D	.2460	3-3/4	6-1/8
E	.2500	3-3/4	6-1/8
F	.2570	3-7/8	6-1/4
G	.2610	3-7/8	6-1/4
H	.2660	3-7/8	6-1/4

The whole size we can produce:A-Z





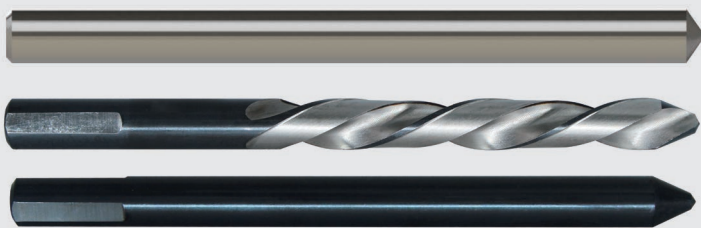
Features

1. Fast and accurate drilling results is designed.
2. The drill bit has a short flute and overall length to enhance rigidity during drilling operations.
3. A self-centering 135° split point design, ensure that the drill does not wander or "walk" during the drilling process.

Inch	Double End Twist Drill			
	Diameter	Inch	Flute Length	Overall Length
	3/32	/	9/16	1-3/4
	7/64	/	5/8	1-15/16
	1/8	/	5/8	1-15/16
	9/64	/	5/8	2
	5/32	/	5/8	2-1/8
	3/16	/	5/8	2-5/16
	7/32	/	3/4	2-9/16
	1/4	/	13/16	2-5/8

Diameter	Inch	Flute Length	Overall Length
#10	/	5/8	2-5/16
#11	/	5/8	2-5/16
#20	/	5/8	2-1/8
#30	/	5/8	2

Drill Blanks



M42 M35 M2 W4

Inch	Diameter	Inch	Overall Length
	1/32	.0312	1-3/8
	3/64	.0469	1-3/4
	1/16	.0625	1-7/8
	5/64	.0781	2
	3/32	.0938	2-1/4
	7/64	.1094	2-5/8
	1/8	.1250	2-3/4
	9/64	.1406	2-7/8
	5/32	.1562	3-1/8
	11/64	.1719	3-1/4
	3/16	.1875	3-1/2
	13/64	.2031	3-5/8
	7/32	.2188	3-3/4
	15/64	.2344	3-7/8
	1/4	.2500	4
	17/64	.2656	4-1/8
	9/32	.2812	4-1/4
	19/64	.2969	4-3/8
	5/16	.3125	4-1/2
	21/64	.3281	4-5/8
	11/32	.3438	4-3/4
	23/64	.3594	4-7/8
	3/8	.3750	5
	25/64	.3906	5-1/8
	13/32	.4062	5-1/4
	27/64	.4219	5-3/8

The whole size we can produce: 1/32-1, 1/64" carry

6-inch Aircraft Extension Drill

- 135° Design Limits Walking For Clean, fast Holes
- Long Reach For Obstructed Areas
- Premium Alloy Construction To Extend Life



Diameter	Inch	Flute Length	Overall Length
3/64	.0469	3/4	6
1/16	.0625	7/8	6
5/64	.0781	1	6
3/32	.0938	1-1/4	6
7/64	.1094	1-1/2	6
1/8	.1250	1-5/8	6
9/64	.1406	1-3/4	6
5/32	.1562	2	6
11/64	.1719	2-1/8	6
3/16	.1875	2-5/16	6
13/64	.2031	2-7/16	6
The whole size we can produce:3/64-1/2,1/64" carry			

Diameter	Inch	Flute Length	Overall Length
#1	.2280	2-5/8	6
#2	.2210	2-5/8	6
#3	.2130	2-1/2	6
#4	.2090	2-1/2	6
#5	.2055	2-1/2	6
#6	.2040	2-1/2	6
#7	.2010	2-7/16	6
#8	.1990	2-7/16	6
#9	.1960	2-7/16	6
The whole size we can produce:#1-#60			

Diameter	Inch	Flute Length	Overall Length
A	.2340	2-5/8	6
B	.2380	2-3/4	6
C	.2420	2-3/4	6
D	.2460	2-3/4	6
E	.2500	2-3/4	6
F	.2570	2-7/8	6
G	.2610	2-7/8	6
H	.2660	2-7/8	6
I	.2720	2-7/8	6
J	.2770	2-7/8	6
K	.2810	2-15/16	6
The whole size we can produce:A-Z			

12-inch Aircraft Extension Drill



Diameter	Inch	Flute Length	Overall Length
3/64	.0469	3/4	12
1/16	.0625	7/8	12
5/64	.0781	1	12
3/32	.0938	1-1/4	12
7/64	.1094	1-1/2	12
1/8	.1250	1-5/8	12
9/64	.1406	1-3/4	12
5/32	.1562	2	12
11/64	.1719	2-1/8	12
3/16	.1875	2-5/16	12
13/64	.2031	2-7/16	12
The whole size we can produce:3/64-1/2,1/64" carry			

Diameter	Inch	Flute Length	Overall Length
#1	.2280	2-5/8	12
#3	.2130	2-1/2	12
#4	.2090	2-1/2	12
#5	.2055	2-1/2	12
#7	.2010	2-7/16	12
#9	.1960	2-7/16	12
#10	.1935	2-7/16	12
#11	.1910	2-5/16	12
#12	.1890	2-5/16	12
#13	.1850	2-5/16	12
The whole size we can produce:#1-#50			

Diameter	Inch	Flute Length	Overall Length
A	.2340	2-5/8	12
B	.2380	2-3/4	12
C	.2420	2-3/4	12
D	.2460	2-3/4	12
E	.2500	2-3/4	12
F	.2570	2-7/8	12
G	.2610	2-7/8	12
H	.2660	2-7/8	12
The whole size we can produce:A-Z			

Taper Shank Twist Drill

MAIN PRODUCTS



Features



- 1.High performance twist drill bit with a morse taper shank for precisely drilling a larger bore diameter.
- 2.It has a self-centering point, eliminating the need for assistant center drilling or center punching.
- 3.The drill bit is made of high-speed steel, offering excellent hardness, toughness, and wear resistance.
- 4.It is suitable for drilling in materials such as wood, aluminum, malleable iron, and plastic.

Taper Shank Twist Drill

Inch	Diameter	Inch	Flute Length	Overall Length	Taper shank
	1/8	.1250	1-7/8	5-1/8	1
	9/64	.1406	2-1/8	5-3/8	1
	5/32	.1562	2-1/8	5-3/8	1
	11/64	.1719	2-1/2	5-3/4	1
	3/16	.1875	2-1/2	5-3/4	1
	13/64	.2031	2-3/4	6	1
	7/32	.2188	2-3/4	6	1
	15/64	.2344	2-7/8	6-1/8	1
	1/4	.2500	2-7/8	6-1/8	1
	17/64	.2656	3	6-1/4	1
	9/32	.2812	3	6-1/4	1
	19/64	.2969	3-1/8	6-3/8	1
	5/16	.3125	3-1/8	6-3/8	1
	21/64	.3281	3-1/4	6-1/2	1
	11/32	.3438	3-1/4	6-1/2	1
	23/64	.3594	3-1/2	6-3/4	1
	3/8	.3750	3-1/2	6-3/4	1
	25/64	.3906	3-5/8	7	1
	13/32	.4062	3-5/8	7	1
	27/64	.4219	3-7/8	7-1/4	1
	7/16	.4375	3-7/8	7-1/4	1
	29/64	.4531	4-1/8	7-1/2	1

The whole size we can produce:1/8-3-1/4, 1/64" carry

Silver&Deming Twist Drill



Features

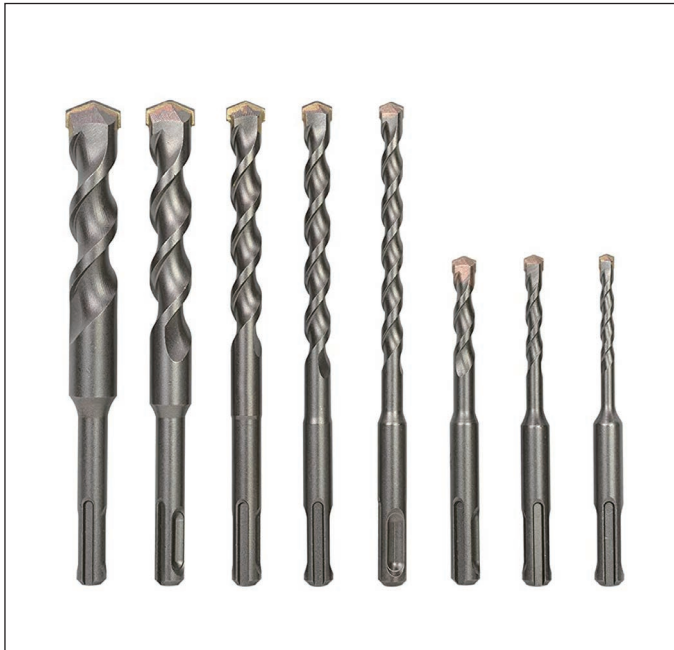


- 1.Professional salt bath heat treatment technology ensures that the drill bit is always sharp and never breaks.
- 2.The commitment to only use high-quality high-speed steel ensures better drilling performance.
- 3.Mature auto friction welding technology, which provides exceptional torsion strength.

Silver&Deming Twist Drill

Inch	Diameter	Inch	Flute Length	Overall Length
	33/64	.5156	3	6
	17/32	.5312	3	6
	35/64	.5469	3	6
	9/16	.5625	3	6
	37/64	.5781	3	6
	19/32	.5928	3	6
	39/64	.6094	3	6
	5/8	.6250	3	6
	41/64	.6406	3	6
	21/32	.6562	3	6
	43/64	.6719	3	6
	11/16	.6875	3	6
	45/64	.7031	3	6
	23/32	.7188	3	6
	47/64	.7344	3	6
	3/4	.7500	3	6
	49/64	.7656	3	6
	25/32	.7812	3	6
	51/64	.7969	3	6
	13/16	.8125	3	6
	53/64	.8281	3	6

The whole size we can produce:1/8-1-1/2, 1/64" carry



Carbide Tipped



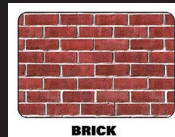
2 Flute Design



SDS Plus Shank
SDS Max Shank

Features

1. Vulcan's high-quality SDS bits are specifically designed for masonry applications like brick, stone, concrete, block, stucco, and more.
2. Compatible with all SDS Plus and max sized rotary hammer drills.
3. With 2-flute self-centering carbide tip, ensuring fast cut speeds and accurate holes.
4. Optimized design allows for quick material exit from the hole while keeping the bit cool for extended longevity.



Inch Hammer Drill Bit					
NO.	SIZE	NO.	SIZE	NO.	SIZE
1	3/16X8	13	1/2X6	25	7/8X11
2	1/4X4	14	1/2X12	26	7/8X18
3	1/4X6	15	1/2X18	27	1X10
4	1/4X8	16	9/16X6	28	1X18
5	1/4X10	17	9/16X12	29	3/16X4
6	5/16X6	18	5/8X8	30	3/16X6
7	5/16X12	19	5/8X12	31	1/4X12
8	3/8X6	20	5/8X24	32	3/8X8
9	3/8X12	21	3/4X8	33	3/8X24
10	3/8X18	22	3/4X12	34	1/2X24
11	7/16X6	23	3/4X18	35	3/4X10
12	7/16X12	24	7/8X8		





Features

Material:

M2, M35, M42,Carbide tipped
Please specify depth when
order.

- 1. Annular Cutter is a highly efficient multi-blade circular drill capable of drilling diameters ranging from 12mm to 150mm.
- 2. It's primarily used for drilling steel components in various fields such as steel structure engineering, rail transit, Bridges, ships, machinery manufacturing, and aerospace.
- 3. Compared to traditional two-edge twist drills, the Annular Cutter offers significantly better drilling performance. It boasts high drilling efficiency and makes drilling tasks lighter and less labor-intensive.

Diameter		Shank	Cutting Depth			
12~60/mm		19.05mm	25mm	50mm	75mm	100mm
61~100/mm		31.75mm				
1/2" - 2 - 1/3"		3/4"	1"	2"	3"	4"
2- 1/3" -4"		1-1/4"				



31Pcs Bits Set

16PCS 25mm Screwdriving Drill Bit+7PCS 50mm+3PCS 75mm+3PCS 48mm Magnetic Sleeve+1PCS 65mm Adapter+1PCS 80mm Extensions16PCS 25mm+7PCS 50mm+3PCS 75mm+3PCS 48mm Socket+1PC 65mm Adapter+1PC Holder

25MM Torx: T10,T15,T20,T25,	25MM Pozidriv: #0,#1,#2,#3
25MM Slotted: 3,4,5,6	50mmPhillips: #1,#2
25MM Phillips: #0,#1,#2,#3,	50mmPozidriv: #1,#2
38MMSocket: 6mm,8mm,10mm	50MM Slotted: 3,4
75mm Phillips: #1,#2	80mmHolder
75mmPozidriv: #2	65mmAdapter



Slotted Impact Torsion Bits



No.	Size	D(#)	L(mm)
VUL425	VUL4x25mm	VUL4	25
VUL525	VUL5x25mm	VUL5	25
VUL625	VUL6x25mm	VUL6	25
VUL450	VUL4x50mm	VUL4	50
VUL550	VUL5x50mm	VUL5	50
VUL650	VUL6x50mm	VUL6	50

Phillips Impact Torsion Bits



No.	Size	D(#)	L(mm)
VPH125	PH1x25mm	PH1	25
VPH225	PH2x25mm	PH2	25
VPH325	PH3x25mm	PH3	25
VPH150	PH1x50mm	PH1	50
VPH250	PH2x50mm	PH2	50
VPH350	PH3x50mm	PH3	50

Pozidriv Impact Torsion Bits



No.	Size	D(#)	L(mm)
VPZ125	VUL1x25mm	PZ1	25
VPZ225	VUL2x25mm	PZ2	25
VPZ325	VUL3x25mm	PZ3	25
VPZ150	VUL1x50mm	PZ1	50
VPZ250	VUL2x50mm	PZ2	50
VPZ350	VUL2x50mm	PZ3	50

Torx Impact Torsion Bits



No.	Size	D(#)	L(mm)
VT1025	T10x25mm	T10	25
VT1525	T15x25mm	T2	25
VT2025	T20x25mm	T3	25
VT2525	T25x25mm	T1	50
VT2725	T27x25mm	T2	50
VT3025	T30x25mm	T3	50
VT4025	T40x25mm	T40	25
VT1050	T10x50mm	T10	50
VT1550	T15x50mm	T15	50
VT2050	T20x50mm	T20	50
VT2550	T25x50mm	T25	50
VT2750	T27x50mm	T27	50
VT3050	T30x50mm	T30	50
VT4050	T40x50mm	T40	50



Features

- M2/M35 HSS fully grounded**
Universal use in Wood,Aluminum, Carbon steel and Stainless steel working.
- Progressive steps**
Wide diameter ranges from 4mm to 32mm, no need changing bits.
- Spiral flute**
Enhance torsional strength,chip remove smoothly.



NO.	SIZE	STEP	SIZE
#1	1/8"-1/2"	13	1/8",5/32",3/16",7/32",1/4",9/32",5/16",11/32",3/8",13/32",7/16",15/32",1/2"
#2	3/16"-1/2"	6	3/16",1/4",5/16",3/8",7/16", 1/2"
#3	1/4"-3/4"	9	1/4",5/16",3/8",7/16",1/2",9/16",5/8",11/16",3/4"
#4	3/16"-7/8"	12	3/16",1/4",5/16",3/8",7/16",1/2",9/16",5/8",11/16",3/4",13/16",7/8"
#5	1/4"-1-3/8"	10	1/4",3/8",1/2",5/8",3/4",7/8",1",1-1/8",1-1/4",1-3/8"
#6	3/8"&1/2"	2	3/8",1/2"
#7	7/8"	1	7/8"
#8	1/2"-1"	9	1/2",9/16",5/8",11/16",3/4",13/16",7/8",15/16",1"
#9	7/8"&1-1/8"	2	7/8",1-1/8"

Packaging





Features

1. Made from heat-treated and tempered high carbon steel, featuring a hex shank (6.35mm) for a secure chuck grip.
2. Includes a sharp spur for smooth holes and a screw point.
3. The design incorporates four flutes, ensuring faster drilling. It is specifically designed for creating punch holes in wood, plastic, and other soft materials. However, it is not suitable for use in metal or other hard materials.



Packaging



10 12 14 16 18 20 22 25



Contains Parts: Two Adapter

Brad Point Woodworking Drill

HOT PRODUCTS



Inch	Diameter	Inch	Flute Length	Overall Length
	1/8	.1250	1-5/8	2-3/4
	9/64	.1406	1-3/4	2-7/8
	5/32	.1562	2	3-1/8
	11/64	.1719	2-1/8	3-1/4
	3/16	.1875	2-5/16	3-1/2
	13/64	.2031	2-7/16	3-5/8
	7/32	.2188	2-1/2	3-3/4
	15/64	.2344	2-5/8	3-7/8
	1/4	.2500	2-3/4	4
	17/64	.2656	2-7/8	4-1/8
	9/32	.2812	2-15/16	4-1/4
	19/64	.2969	3-1/16	4-3/8
	5/16	.3125	3-3/16	4-1/2

The whole size we can produce: 1/8-17/32,1/64" carry
Please visit our website for more information.

Features

Special Brad tip blade

High accuracy,easy location,less cutting resistance, for fast feed rate and rotary speed

Fully grounded body

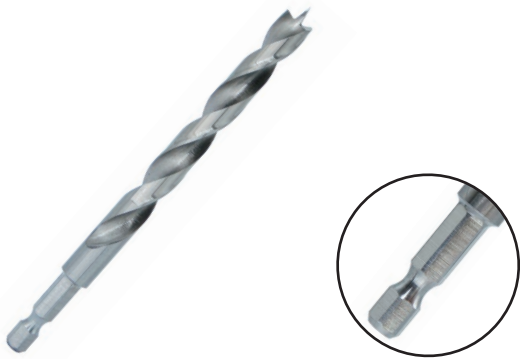
Improve overall strength, better performance for deep drilling.

M2 HSS with HRC 62 hardness

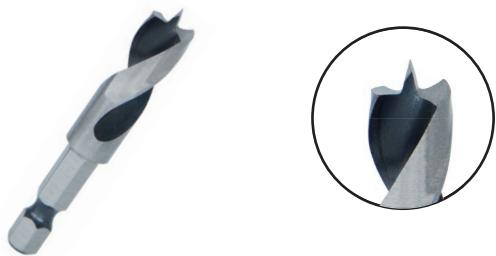
Apply to hard woods as AshOak,Cherry and Maple.



Hex Woodworking Brad Point Drill



Diameter	Overall Length	Flute Length
3	80	33
4	94	43
5	105	52
6	112	57
7	109	69
8	117	75
10	133	87
12	151	101
13	151	101



Diameter	Overall Length
3/32"	59
1/8"	59
3/16"	59
1/4"	59
5/16	59
3/8"	59

Features

1. Premium C3 micro-grain tungsten carbide blades, which are designed to provide a sharper and longer lasting edge. In addition, these blades undergo silver induction brazing, ensuring maximum strength and durability.

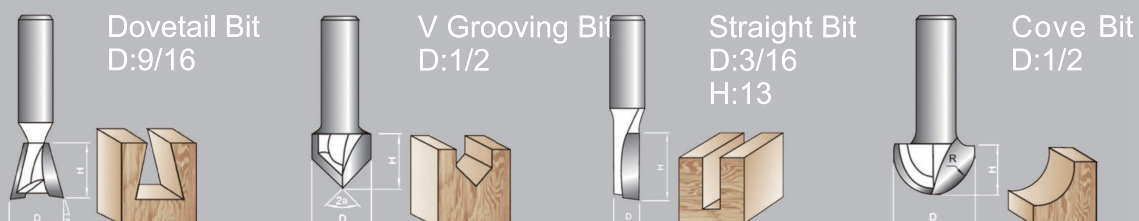
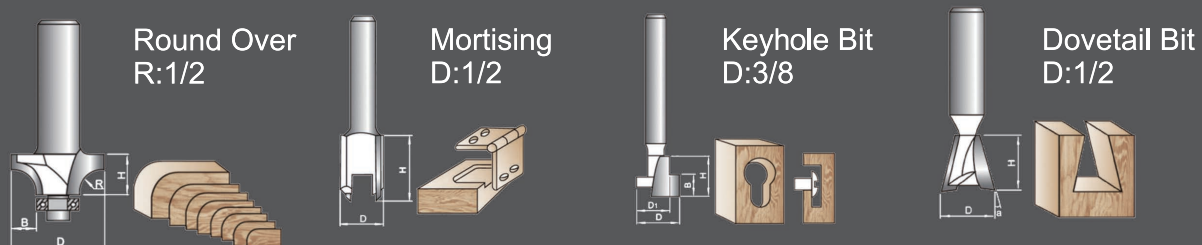
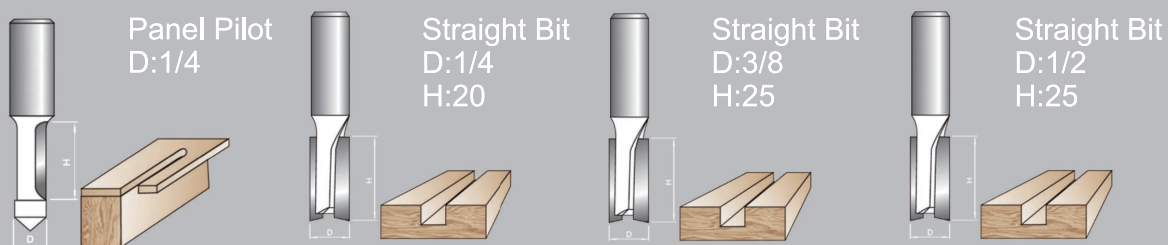
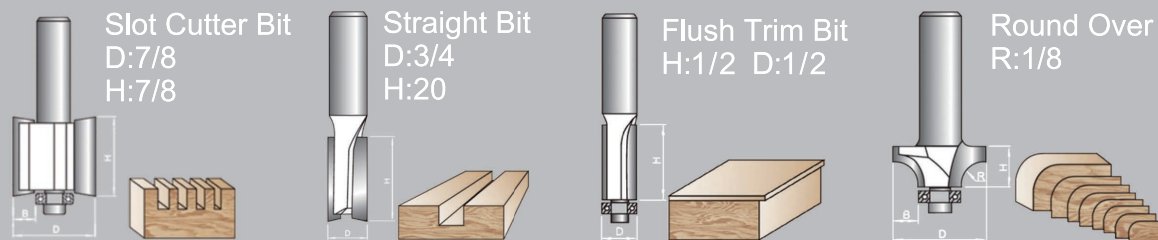
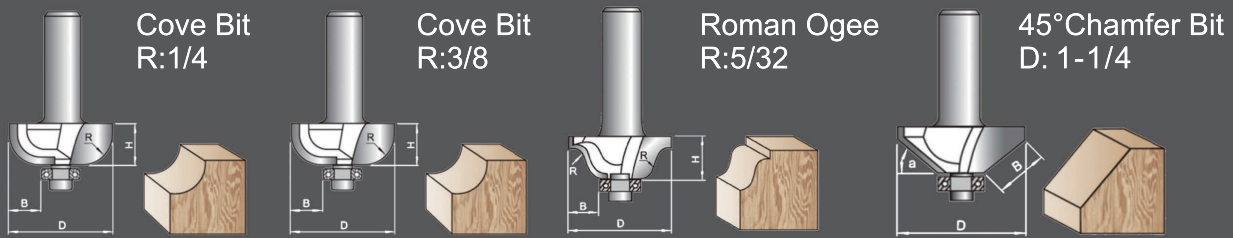
2. These blades are suitable for use on both table mount and handheld routers, and come packaged in a solid wood storage case. As an added bonus, each set includes 24 router bits and a hex key.



24Pcs Set Router Bit

NAME	SIZE	NAME	SIZE
Cove Bit	SxR1/4"	Panel Pilot Bit	Sx1/4"
Cove Bit	SxR3/8"	Straight Bit	Sx1/4"
Roman Ogee Bit	SxR5/32"	Straight Bit	Sx3/8"
45° Chamfer Bit	S x1-1/4"	Straight Bit	Sx1/2"
Slot Cutter Bit	Sx7/8"	Rounding Over Bit	SxR1/2"
Straight Bit	Sx3/4"	Mortising Bit	Sx1/2"
Flush Trim Bit	SX1/2"	Keyhole Bit	Sx3/8"
Rounding Over Bit	SxR1/8"	Dovetail Bit	Sx1/2"
Rounding Over Bit	SxR1/4"	Dovetail Bit	Sx9/16"
Rounding Over Bit	SxR3/8"	V Grooving Bit	Sx1/2"
Half Round Bit	Sx1"	Straight Bit	Sx3/16"
Flat Bottom Round Bit	Sx1"	Cove Bit	Sx1/2"





Spiral Flute Tap



No.	Mode	Material	Name	Coating	Pitch	Standards
1	M2	HSS -E-PM	SFT	TiAIN	0.4 Pitch , ISO2 6H	DIN371 Machine Taps
2	M3	HSS -E-PM	SFT	TiAIN	0.5 Pitch , ISO2 6H	DIN371 Machine Taps
3	M4	HSS -E-PM	SFT	TiAIN	0.7 Pitch ,ISO2 6H	DIN371 Machine Taps
4	M5	HSS -E-PM	SFT	TiAIN	0.8 Pitch ,ISO2 6H	DIN371 Machine Taps
6	M6	HSS -E-PM	SFT	TiAIN	1.0 Pitch ,ISO2 6H	DIN371 Machine Taps
7	M12	HSS -E-PM	SFT	TiAIN	1.75 Pitch ,ISO2 6H	DIN376 Machine Taps
8	M16	HSS -E-PM	SFT	TiAIN	2.0 Pitch ,ISO2 6H	DIN376 Machine Taps

Features

Hardened HSS material

Made of high-quality materials, wear-resistant and durable, cost-effective.

Full grinding process

This product adopts a special sharpening process, and the surface hardness is as high as 55-66 degrees.

Large chip flute design

Smooth cutting and good chip removal

Packaging





115Pcs M35 HSS Drill Bits



60Pcs M35 HSS Drill Bits



29Pcs HSS Drill Bits



29Pcs HSS Drill Bits



135Pcs M35 HSS Drill Bits



115Pcs M35 HSS Drill Bits



25Pcs HSS Drill Bits



5/10Pcs HSS Drill Bits



19Pcs M35 HSS Drill Bits



115Pcs M35 HSS Drill Bits



29Pcs HSS Drill Bits



31Pcs Screwdriving Drill Bits



10Pcs Auger Bits



10Pcs Wood Drill Bit Set



Single Pack



CONTACT VULCAN

TEL.	0086-411-87531682
E-MAIL	sales@vulcan-indus.com
WEB.	vulcan-indus.com
ADD.	Room1608 , NO.128 Jinma Road , Dalian Economy And Technology Development Zone , Liaoning , China