



- NC Spot Drills.
- Center Drill
- Twist drill, DIN6539
- Carbide Drills, DIN338
- 3XD Drill, DIN6537
- 5XD Drill, DIN6537
- 8XD Drill, DIN6537
- Step Drill
- NC Machine Reamer

# 硬质合金钻头

## EMH series Carbide Drill



[www.unt-tools.com](http://www.unt-tools.com)

广东优能特五金科技有限公司

Guangdong UNT Cutting Tools Co., Ltd.

# INTRODUCTION

## 公司简介

### 广东优能特五金科技有限公司

优能特是一家CNC铣削刀具的大型制造商。

优能特在中国东莞拥有一个9,000平方米的工业园区，进口了35台澳大利亚ANCA数控磨床，5台Walter数控磨床、55个工程师和35个销售员。

我们建立了ISO9001质量控制体系，使用优质稳定的德国硬质合金棒，SWISS SOERLIKON新涂层技术以提高抗氧化性和热硬度。我们进口德国ZOLLER数字测量仪器等精密测试设备，以确保稳定的尺寸精度和优良的表面质量。

我们已经成为知名品牌工具的OEM合作伙伴15年，我们的仓库1500 SQM拥有数百万库存，可在24小时内发货给立铣刀。

优能特切削刀具已分布在欧洲，亚洲，北美和许多其他城市，热销产品包括高性能硬质合金立铣刀EMC /X5070系列，HRC55硬质合金立铣刀，EMF金刚石涂层刀具，螺纹和丝锥，冷却液钻头，超微型立铣刀，用于不锈钢的EMD等，以及各种定制尺寸的CNC铣削工具。

我们拥有提供全方位服务的设计和工程人员，以及Markets销售人员，可以根据您的特定规格构建自定义工具的多层次结构。

我们的目标是帮助每个客户获得最大的利益，建立世界一流的优质切削刀具品牌。

选择好的工具，选择“优能特”精密工具！

### Guangdong UNT Cutting Tools Co., Ltd.

UNT' is a big manufacturer of CNC Milling tools.

UNT' owned an industrial park 9,000 SQM in Dongguan China, imported Australian ANCA CNC grinding machines 35 sets, Walter CNC Cutter Grinders 5 sets, and 55 engineer design teams and 30 salesmen.

We established an ISO9001 quality control system, use high-quality and stable German Carbide Rods, SWISS OERLIKON new coating technologies, to improve the oxidation resistance and hot hardness. We import Germany ZOLLER Digital Measuring Instruments, such as precision testing equipment, to ensure stable dimensional accuracy and fine surface quality.

We have been an OEM Partner for Well-known brand tools for 15 years, Our warehouse 1500 SQM with millions of in-stock, ready to shipping end mills in 24 hours.

UNT Cutting tools have been distributed in Europe, Asia, North America, and many other cities, Hot sales products include High-performance Carbide end mills EMC/X5070 series, HRC55 Carbide end mills, EMF Diamond Coated Tools, Thread & tap, Coolant drills, Super-micro end mills, EMD for Stainless steels, etc, and all kinds of custom-sized CNC Milling tools.











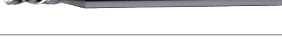
We have a full-service design and engineering staff, and Markets sales to build a multilevel of variations of custom tools to your specific specifications.

Our aim is to help every customer achieve maximum benefits, to build a world-class quality cutting tool brand.

Choose the good Tools, Choose "UNT" Precision Tools.



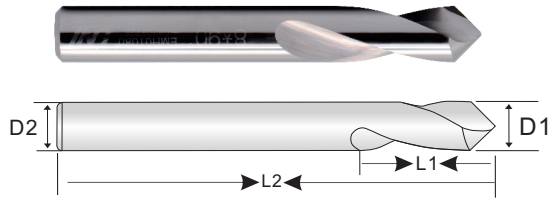
# 目录 CONTENTS

类别 CATEGORY	型号 ITEM	外形 MODEL	描述 DESCRIPTION	页码 PAGE
EMH	EMH01		超微粒多用途定点钻 Carbide NC Spotting Drills, Hole Chamfer Milling tools.	1
	EMH02		超微粒钨钢中心钻 Carbide Center Drills, Double Head Hole Chamfer Milling tools.	2
	EMH03		超微粒钨钢直柄钻头DIN6539 (D1=D2) Solid Carbide twist drill, DIN6539 (D1=D2)	3
	EMH04		超微粒钨钢直柄钻头DIN338 Solid carbide twist drills, DIN 338	4
	EMH05		超微粒钨钢涂层外冷孔高速3D钻头 Solid carbide twist drills 3xD, DIN 6537, without COOLANT HOLES	5
	EMH06		超微粒钨钢涂层内冷孔高速3D钻头 Solid carbide twist drills 3xD, DIN 6537, with COOLANT HOLES.	6
	EMH07		超微粒钨钢涂层外冷孔高速5D钻头 Solid carbide drill, 5xD, DIN6537, without COOLANT HOLES.	7
	EMH08		超微粒钨钢涂层内冷孔高速5D钻头 Solid carbide drill, 5xD, DIN6537, with COOLANT HOLES.	8
	EMH09		超微粒钨钢精密机械铰刀 Carbide-Tipped Round-Shank Reamers, NC Machine Reamers	9
	EMH16		超微粒钨钢定柄3.0mm/3.175mm左切钻咀 Solid Carbide drill bit 3.0mm/3.175mm	10
	EMH17		超微粒钨钢定柄3.0mm/3.175mm中心钻咀 Solid Carbide drill bit 3.0mm/3.175mm	10

**EMH 超微粒多用途定点钻** **Carbide NC Spotting Drillss, Hole Chamfer Milling tools.**

★ NC定点钻, 适用于在NC / CNC机器上进行精准, 快速地定点。  
可以使用在高转速和高进给时, 对普通钢材进行倒角加工。

• NC spotting drill for accurate and fast spotting on NC/CNC machine.  
Can be used at higher speeds and feeds, chamfering in general steels material.



加工材料 Material Description											
碳钢	合金钢	预硬钢	硬化钢	高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钴合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels	High Hardened steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
-HB225	-HB225-325	-HRc30-40	HRc40-45	HRc45-55	HRc55-70						
○	○	○	○	○	○		○		○		○

◎ 非常适合 ○ 适合

**EMH01** SERIES

Unit:mm

优能特订货代码	刃径	刃长	全长	刃数	涂层	不涂层
UNT EDP NO.	Mill Dia D1	Flute length L1	O. A. L. L2	Flutes	TiCN Coated	Non-Coated
EMH01020	2	4	50	2	★	☆
EMH01030	3	10	50	2	★	☆
EMH01040	4	12	50	2	★	☆
EMH01050	5	15	50	2	★	☆
EMH01060	6	20	50	2	★	☆
EMH01080	8	25	60	2	★	☆
EMH01100	10	25	75	2	★	☆
EMH01120	12	30	75	2	★	☆
EMH01160	16	35	100	2	★	☆
EMH01200	20	40	100	2	★	☆

以上产品未列明细的非标规格尺寸或产品参数, 可根据客户需求订制制作。  
Non-standard size or product parameters not listed above, can be customized according to customer needs.

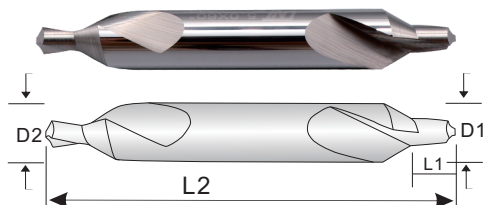
MILL DIA. TOLERANCE (mm) 刃径公差 (mm)	SHANK DIA. TOLERANCE 柄径公差
0 -0.030	H6

## EMH 超微粒钨钢中心钻

## Center Drills, Double Head Hole Chamfer Milling tools

★ 适用于倒角加工的硬质合金中心钻。  
可以使用在高转速和高进给时，对普通钢材进行倒角加工。

• Solid Carbide Combined Drill and Countersinks for Hole-Chamfer.  
Can be used at higher speeds and feeds, chamfering in general steels material.



加工材料 Material Description											
碳钢	合金钢	预硬钢	硬化钢	高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钴合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels	High Hardened steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
-HB225	-HB225-325	-HRC30-40	HRC40-45	HRC45-55 HRC55-70							

⊙ 非常合适 ○ 合适

## EMH02 SERIES

Unit:mm

优能特订货代码	刃径	刃长	柄径	全长	刃数
UNT EDP NO.	Mill Dia D1	Flute length L1	Shank Dia L2	O. A. L. L2	Flutes
EMH02008	0.8	0.8	4	35	2
EMH02010	1	1	4	35	2
EMH02015	1.5	1.5	5	40	2
EMH02020	2	2	6	45	2
EMH02025	2.5	2.5	7.7	50	2
EMH02030	3	3	7.7	55	2
EMH02040	4	4.5	10	65	2
EMH02050	5	5.5	11	78	2
EMH026403	BS1	3/64	1/8	1-1*2	2
EMH021601	BS2	1/16	3/16	1-3*4	2
EMH026403	BS3	3/32	1/4	2'	2
EMH020801	BS4	1/8	5/16	2-1*4	2
EMH021603	BS5	3/16	7/16	2-1*2	2

以上产品未列明细的非标规格尺寸或产品参数，可根据客户需求订制制作。

Non-standard size or product parameters not listed above, can be customized according to customer needs.

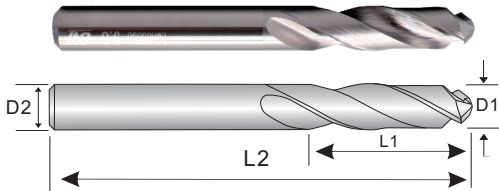
MILL DIA. TOLERANCE (mm) 刃径公差 (mm)	SHANK DIA. TOLERANCE 柄径公差
0 -0.030	H6

## 超微粒钨钢直柄钻头 DIN6539 (D1=D2)

## Solid Carbide twist drill, DIN6539 (D1= D2)

- ★ 硬质合金麻花钻头是一款高质量、高精度、高效率的产品系列，可满足不同加工方式，适用于加工一般件，合金钢，不锈钢，钛，黄铜镍合金等的材质。
- ★ 采用固态纳米级硬质合金涂层可以在高速度切削过程中实现最佳的加工效果。
- ★ 在加工软钢和硬钢过程中，具有良好的排屑率。

- Twister Solid Carbide Stub Drill offers a wide product range of high-quality, precise and effective products for different tasks, apply to work on Steel, alloyed steel, stainless steel, titanium, brass nickel alloys, etc in general steel material.
- Solid submicron grain carbide raw materials allow extreme results with the highest cutting speeds.
- Good chip removal in soft as well as in tough steel.



加工材料 Material Description												
碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钴合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels	High Hardened steels		Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
-HB225	-HB225-325	-HRC30-40	HRC40-45	HRc45-55	HRc55-70							

⊙ 非常适合 ○ 适合

## EMH03 SERIES

Unit:mm

优能特订货代码	刃径	刃长	全长	刃数
UNT EDP NO.	Mill Dia D1	Flute length L1	O. A. L. L2	Price
EMH03005	0.5	6	26	2
EMH03010	1.0	6	26	2
EMH03011	1.1	7	28	2
EMH03012	1.2	8	30	2
EMH03014	1.4	9	32	2
EMH03015	1.5	9	32	2
EMH03016	1.6	10	34	2
EMH03018	1.8	11	36	2
EMH03020	2.0	12	38	2
EMH03022	2.2	13	40	2
EMH03024	2.4	14	43	2
EMH03027	2.7	16	46	2
EMH03030	3.0	16	46	2
EMH03031	3.1	18	49	2
EMH03034	3.4	20	52	2
EMH03035	3.5	20	52	2
EMH03039	3.9	22	55	2
EMH03040	4.0	22	55	2
EMH03043	4.3	24	58	2
EMH03048	4.8	26	62	2
EMH03050	5.0	26	62	2
EMH03055	5.5	28	66	2
EMH03060	6.0	28	66	2
EMH03061	6.1	31	70	2
EMH03065	6.5	31	70	2
EMH03068	6.8	34	74	2
EMH03070	7.0	34	74	2
EMH03075	7.5	34	74	2
EMH03076	7.6	37	79	2
EMH03080	8.0	37	79	2
EMH03085	8.5	37	79	2
EMH03086	8.6	40	84	2
EMH03090	9.0	40	84	2
EMH03095	9.5	40	84	2
EMH03096	9.6	43	89	2
EMH03100	10.0	43	89	2
EMH03105	10.5	43	89	2
EMH03110	11.0	47	95	2
EMH03115	11.5	47	95	2
EMH03120	12.0	51	102	2
EMH03125	12.5	51	102	2
EMH03130	13.0	51	102	2

以上产品未列明细的非标规格尺寸或产品参数，可根据客户需求订制制作。

Non-standard size or product parameters not listed above, can be customized according to customer needs.

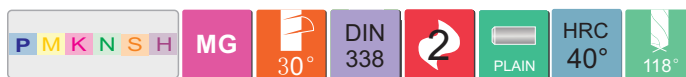
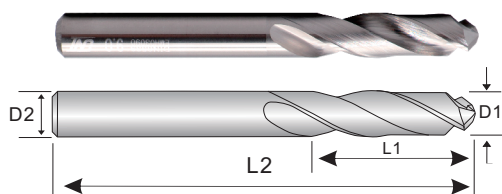
MILL DIA. TOLERANCE ( mm )		SHANK DIA. TOLERANCE 柄径公差
刃径公差 (mm)		
0	-0.015-0	H6
-0.030	-0.020-0	

## 超微粒钨钢直柄钻头 DIN338

## Solid carbide twist drills, DIN 338

- ★ 硬质合金麻花钻头是一款高质量、高精度、高效率的产品系列，可满足不同加工方式，适用于加工一般件，合金钢，不锈钢，钛，黄铜镍合金等的材质。
- ★ 采用固态纳米级硬质合金涂层可以在高速度切削过程中实现最佳的加工效果。
- ★ 在加工软钢和硬钢过程中，具有良好的排屑率。

- Twister Solid Carbide Stub Drill offers a wide product range of high-quality, precise and effective products for different tasks, apply to work on Steel, alloyed steel, stainless steel, titanium, brass nickel alloys, etc in general steel material.
- Solid submicron grain carbide raw materials allow extreme results with the highest cutting speeds.
- Good chip removal in soft as well as in tough steel.



加工材料 Material Description											
碳钢	合金钢	预硬钢	硬化钢	高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钨钛合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels	High Hardened steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
-HB225	-HB225-325	-HRC30-40	HRC40-45	HRC45-55	HRC55-70						
○	○				○		○				

○ 非常合适 ○ 适合

## EMH04 SERIES

Unit:mm

优能特订货代码	刃径	刃长	全长	刃数
UNT EDP NO.	Mill Dia D1	Flute length L1	O. A. L. L2	Flutes
EMH04010	1.0	12	34	2
EMH04011	1.1	14	36	2
EMH04012	1.2	16	38	2
EMH04014	1.4	18	40	2
EMH04016	1.6	20	43	2
EMH04018	1.8	22	46	2
EMH04020	2.0	24	49	2
EMH04022	2.2	27	53	2
EMH04024	2.4	30	57	2
EMH04027	2.7	33	61	2
EMH04030	3.0	33	61	2
EMH04031	3.1	36	65	2
EMH04034	3.4	39	70	2
EMH04035	3.5	39	70	2
EMH04038	3.8	43	75	2
EMH04040	4.0	43	75	2
EMH04043	4.3	47	80	2
EMH04045	4.5	47	80	2
EMH04048	4.8	52	86	2
EMH04050	5.0	52	86	2
EMH04054	5.4	57	93	2
EMH04055	5.5	57	93	2
EMH04060	6.0	57	93	2
EMH04061	6.1	63	101	2
EMH04065	6.5	63	101	2
EMH04068	6.8	69	109	2
EMH04070	7.0	69	109	2
EMH04075	7.5	69	109	2
EMH04076	7.6	75	117	2
EMH04080	8.0	75	117	2
EMH04085	8.5	75	117	2
EMH04086	8.6	81	125	2
EMH04090	9.0	81	125	2
EMH04095	9.5	81	125	2
EMH04096	9.6	87	133	2
EMH04100	10.0	87	133	2
EMH04105	10.5	87	133	2
EMH04108	10.8	94	142	2
EMH04110	11.0	94	142	2
EMH04115	11.5	94	142	2
EMH04120	12.0	101	151	2
EMH04125	12.5	101	151	2
EMH04130	13.0	101	151	2

以上产品未列明细的非标规格尺寸或产品参数，可根据客户需求定制制作。

Non-standard size or product parameters not listed above, can be customized according to customer needs.

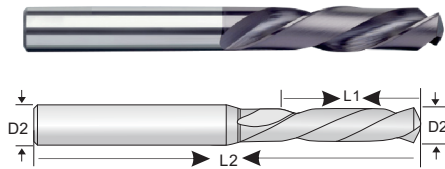
MILL DIA. TOLERANCE ( mm )		SHANK DIA. TOLERANCE 柄径公差
刃径公差 (mm)		
0	-0.015~0	H6
-0.030	-0.020~0	

## 超微粒钨钢涂层外冷孔高速3D钻头

## Carbide twist drills 3xD, DIN 6537, without COOLANT HOLES

- ★ 硬质合金梦想钻头用于孔的倒角加工。适合加工一般钢件，工具钢，铸钢，铸铁，可锻铸铁，冷硬铸铁，钛合金，有色金属，塑料。
- ★ 在加工软钢和硬钢过程中，具有良好的排屑率。
- ★ 特殊的麻花刃部设计，可以实现自动定位，具有出色的加工性能。
- ★ 具有良好的排屑能力和强大的钻孔能力的特点
- ★ 采用进口的原材料，延长了刀具的使用寿命。

- Solid Carbide Dream Drills for Hole-Chamfer. Drilling into steel in general, tools steel, cast steel, cast iron, malleable cast iron, Chilled cast iron, titanium, Non-ferrous heavy metal, Abrasive Plastic.
- Good chip removal in soft as well as in tough steel.
- Special twister flute, self-centering and excellent performance.
- Good chips removal, Powerful drilling
- Imported raw materials, keep long tool life.



加工材料 Material Description												
碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钴合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardness steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
-HB225	-HB225-325	-HRC30-40	HRC40-45		HRC45-55							
○	○	○	○	○	○	○		○		○		○

○ 非常适用 ○ 适用

## EMH05 SERIES

Unit:mm

优能特订货代码	刃径	刃长	全长	柄径	柄长
UNT EDP NO.	Mill Dia D1	Flute length L1	O. A. L. L2	Shank Dia D2	Shank Length
EMH05030	3.0	20	62	6	36
EMH05035	3.5	20	62	6	36
EMH05038	3.8	24	66	6	36
EMH05040	4.0	24	66	6	36
EMH05045	4.5	24	66	6	36
EMH05048	4.8	28	66	6	36
EMH05050	5.0	28	66	6	36
EMH05055	5.5	28	66	6	36
EMH05060	6.0	28	66	6	36
EMH05061	6.1	34	79	8	36
EMH05065	6.5	34	79	8	36
EMH05070	7.0	34	79	8	36
EMH05071	7.1	41	79	8	36
EMH05075	7.5	41	79	8	36
EMH05080	8.0	41	79	8	36
EMH05081	8.1	47	89	10	40
EMH05085	8.5	47	89	10	40
EMH05090	9.0	47	89	10	40
EMH05095	9.5	47	89	10	40
EMH05100	10.0	47	89	10	40
EMH05102	10.2	55	102	12	12
EMH05105	10.5	55	102	12	12
EMH05110	11.0	55	102	12	12
EMH05115	11.5	55	102	12	12
EMH05120	12.0	55	102	12	12
EMH05125	12.5	60	107	14	14
EMH05130	13.0	60	107	14	14
EMH05135	13.5	60	107	14	14
EMH05140	14.0	60	107	14	14
EMH05145	14.5	65	115	16	16
EMH05150	15.0	65	115	16	16
EMH05160	16.0	65	115	16	16
EMH05165	16.5	73	123	18	18
EMH05175	17.5	73	123	18	18
EMH05180	18.0	73	123	18	18
EMH05185	18.5	79	131	20	20
EMH05190	19.0	79	131	20	20
EMH05200	20.0	79	131	20	20

以上产品未列明细的非标规格尺寸或产品参数，可根据客户需求定制制作。

Non-standard size or product parameters not listed above, can be customized according to customer needs.

MILL DIA. TOLERANCE ( mm )		SHANK DIA. TOLERANCE
刃径公差 (mm)		柄径公差
0	-0.015-0	H6
-0.030	-0.020-0	

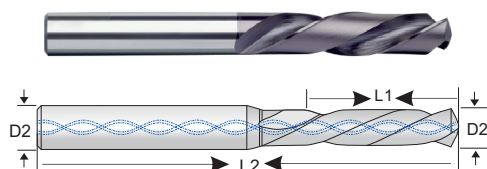


### 超微粒钨钢涂层内冷孔高速3D钻头

### Carbide twist drills 3xD, DIN 6537, with COOLANT HOLES

- ★ 硬质合金梦想钻头用于孔的倒角加工。适合加工一般钢件，工具钢，铸钢，铸铁，可锻铸铁，冷硬铸铁，钛合金，有色金属，塑料。
- ★ 在加工软钢和硬钢过程中，具有良好的排屑率。
- ★ 特殊的麻花刃部设计，可以实现自动定位，具有出色的加工性能。
- ★ 具有良好的排屑能力和强大的钻孔能力的特点
- ★ 采用进口的原材料，延长了刀具的使用寿命。

- Solid Carbide Dream Drills for Hole-Chamfer. Drilling into steel in general, tools steel, cast steel, cast iron, malleable cast iron, Chilled cast iron, titanium, Non-ferrous heavy metal, Abrasive Plastic.
- Good chip removal in soft as well as in tough steel.
- Special twister flute, self-centering and excellent performance.
- Good chips removal, Powerful drilling
- Imported raw materials, keep long tool life.



加工材料 Material Description												
碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钴合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
-HB225	-HB225-325	-HRC30-40	HRC40-45	HRC45-55	HRC55-70							
○	○	○	○	○	○	○		○		○		

◎ 非常适合 ○ 适合

### EMH06 SERIES

Unit:mm

优能特订货代码	刃径	刃长	全长	柄径	柄长
UNT EDP NO.	Mill Dia D1	Flute length L1	O. A. L. L2	Shank Dia D2	Shank Length
EMH06030	3.0	20	62	6	36
EMH06035	3.5	20	62	6	36
EMH06038	3.8	24	66	6	36
EMH06040	4.0	24	66	6	36
EMH06045	4.5	24	66	6	36
EMH06048	4.8	28	66	6	36
EMH06050	5.0	28	66	6	36
EMH06055	5.5	28	66	6	36
EMH06060	6.0	28	66	6	36
EMH06061	6.1	34	79	8	36
EMH06065	6.5	34	79	8	36
EMH06070	7.0	34	79	8	36
EMH06071	7.1	41	79	8	36
EMH06075	7.5	41	79	8	36
EMH06080	8.0	41	79	8	36
EMH06081	8.1	47	89	10	40
EMH06085	8.5	47	89	10	40
EMH06090	9.0	47	89	10	40
EMH06095	9.5	47	89	10	40
EMH06100	10.0	47	89	10	40
EMH06102	10.2	55	102	12	12
EMH06105	10.5	55	102	12	12
EMH06110	11.0	55	102	12	12
EMH06115	11.5	55	102	12	12
EMH06120	12.0	55	102	12	12
EMH06125	12.5	60	107	14	14
EMH06130	13.0	60	107	14	14
EMH06135	13.5	60	107	14	14
EMH06140	14.0	60	107	14	14
EMH06145	14.5	65	115	16	16
EMH06150	15.0	65	115	16	16
EMH06160	16.0	65	115	16	16
EMH06165	16.5	73	123	18	18
EMH06175	17.5	73	123	18	18
EMH06180	18.0	73	123	18	18
EMH06185	18.5	79	131	20	20
EMH06190	19.0	79	131	20	20
EMH06200	20.0	79	131	20	20

以上产品未列明细的非标规格尺寸或产品参数，可根据客户需求定制制作。

Non-standard size or product parameters not listed above, can be customized according to customer needs.

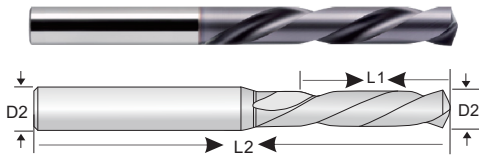
MILL DIA. TOLERANCE ( mm )		SHANK DIA. TOLERANCE
刃径公差 (mm)		柄径公差
0	-0.015-0	H6
-0.030	-0.020-0	

## 超微粒钨钢涂层外冷孔高速5D钻头

## Solid carbide drill, 5xD, DIN6537, without COOLANT HOLES

- ★ 硬质合金梦想钻头用于孔的倒角加工。适合加工一般钢件，工具钢，铸钢，铸铁，可锻铸铁，冷硬铸铁，钛合金，有色金属，塑料。
- ★ 在加工软钢和硬钢过程中，具有良好的排屑率。
- ★ 特殊的麻花刃部设计，可以实现自动定位，具有出色的加工性能。
- ★ 具有良好的排屑能力和强大的钻孔能力的特点
- ★ 采用进口的原材料，延长了刀具的使用寿命。

- Solid Carbide Dream Drills for Hole-Chamfer. Drilling into steel in general, tools steel, cast steel, cast iron, malleable cast iron, Chilled cast iron, titanium, Non-ferrous heavy metal, Abrasive Plastic.
- Good chip removal in soft as well as in tough steel.
- Special twister flute, self-centering and excellent performance.
- Good chips removal, Powerful drilling
- Imported raw materials, keep long tool life.



加工材料 Material Description											
碳钢	合金钢	预硬钢	硬化钢	高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钴合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels	High Hardened steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
-HB225	-HB225-325	-HRC30-40	HRC40-45	HRC45-55	HRC55-70						
○	○	○	○	○	○	○	○	○	○	○	○

○ 非常适用 ○ 适用

## EMH07 SERIES

Unit:mm

优能特订货代码	刃径	刃长	全长	刃数
UNT EDP NO.	Mill Dia D1	Flute length L1	O. A. L. L2	Flutes
EMH07010	1.0	3	8	55
EMH07011	1.1	3	12	55
EMH07015	1.5	3	16	55
EMH07020	2.0	4	21	57
EMH07025	2.5	4	21	57
EMH07030	3.0	6	21	66
EMH07031	3.1	6	28	66
EMH07035	3.5	6	28	66
EMH07038	3.8	6	36	74
EMH07040	4.0	6	36	74
EMH07045	4.5	6	36	74
EMH07048	4.8	6	44	82
EMH07050	5.0	6	44	82
EMH07055	5.5	6	44	82
EMH07060	6.0	6	44	82
EMH07061	6.1	8	53	91
EMH07065	6.5	8	53	91
EMH07070	7.0	8	53	91
EMH07075	7.5	8	53	91
EMH07080	8.0	8	53	91
EMH07081	8.1	10	61	103
EMH07085	8.5	10	61	103
EMH07090	9.0	10	61	103
EMH07095	9.5	10	61	103
EMH07100	10.0	10	61	103
EMH07101	10.1	12	71	118
EMH07105	10.5	12	71	118
EMH07110	11.0	12	71	118
EMH07115	11.5	12	71	118
EMH07120	12.0	12	71	118
EMH07125	12.5	14	77	124
EMH07140	14.0	14	77	124
EMH07145	14.5	16	83	133
EMH07150	15.0	16	83	133
EMH07160	16.0	16	83	133
EMH07165	16.5	18	93	143
EMH07170	17.0	18	93	143
EMH07180	18.0	18	93	143
EMH07185	18.5	20	101	153
EMH07190	19.0	20	101	153
EMH07195	19.5	20	101	153
EMH07200	20.0	20	101	153

以上产品未列明细的非标规格尺寸或产品参数，可根据客户需求定制制作。

Non-standard size or product parameters not listed above, can be customized according to customer needs.

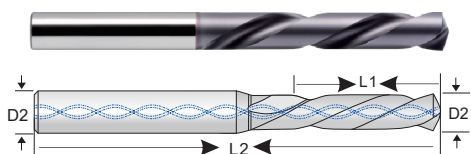
MILL DIA. TOLERANCE ( mm )		SHANK DIA. TOLERANCE 柄径公差
刃径公差 (mm)		
0	-0.015-0	H6
-0.030	-0.020-0	

### 超微粒钨钢涂层内冷孔高速5D钻头

### Solid carbide drill, 5xD, DIN6537, with COOLANT HOLES

- ★ 硬质合金梦想钻头用于孔的倒角加工。适合加工一般钢件，工具钢，铸钢，铸铁，可锻铸铁，冷硬铸铁，钛合金，有色金属，塑料。
- ★ 在加工软钢和硬钢过程中，具有良好的排屑率。
- ★ 特殊的麻花刃部设计，可以实现自动定位，具有出色的加工性能。
- ★ 具有良好的排屑能力和强大的钻孔能力的特点
- ★ 采用进口的原材料，延长了刀具的使用寿命。

- Solid Carbide Dream Drills for Hole-Chamfer. Drilling into steel in general, tools steel, cast steel, cast iron, malleable cast iron, Chilled cast iron, titanium, Non-ferrous heavy metal, Abrasive Plastic.
- Good chip removal in soft as well as in tough steel.
- Special twister flute, self-centering and excellent performance.
- Good chips removal, Powerful drilling
- Imported raw materials, keep long tool life.



加工材料 Material Description												
碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钛合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
-HB225	-HB225-325	-HRc30-40	HRc40-45	HRc45-55	HRc55-70							
○	○	○	○	○	○	○		○		○		

◎ 非常适用 ○ 适用

## EMH08 SERIES

Unit:mm

优能特订货代码	刃径	刃长	全长	刃数
UNT EDP NO.	Mill Dia D1	Flute length L1	O. A. L. L2	Flutes
EMH08010	1.0	3	8	55
EMH08011	1.1	3	12	55
EMH08015	1.5	3	16	55
EMH08020	2.0	4	21	57
EMH08025	2.5	4	21	57
EMH08030	3.0	6	21	66
EMH08031	3.1	6	28	66
EMH08035	3.5	6	28	66
EMH08038	3.8	6	36	74
EMH08040	4.0	6	36	74
EMH08045	4.5	6	36	74
EMH08048	4.8	6	44	82
EMH08050	5.0	6	44	82
EMH08055	5.5	6	44	82
EMH08060	6.0	6	44	82
EMH08061	6.1	8	53	91
EMH08065	6.5	8	53	91
EMH08070	7.0	8	53	91
EMH08075	7.5	8	53	91
EMH08080	8.0	8	53	91
EMH08081	8.1	10	61	103
EMH08085	8.5	10	61	103
EMH08090	9.0	10	61	103
EMH08095	9.5	10	61	103
EMH08100	10.0	10	61	103
EMH08101	10.1	12	71	118
EMH08105	10.5	12	71	118
EMH08110	11.0	12	71	118
EMH08115	11.5	12	71	118
EMH08120	12.0	12	71	118
EMH08125	12.5	14	77	124
EMH08140	14.0	14	77	124
EMH08145	14.5	16	83	133
EMH08150	15.0	16	83	133
EMH08160	16.0	16	83	133
EMH08165	16.5	18	93	143
EMH08170	17.0	18	93	143
EMH08180	18.0	18	93	143
EMH08185	18.5	20	101	153
EMH08190	19.0	20	101	153
EMH08195	19.5	20	101	153
EMH08200	20.0	20	101	153

以上产品未列明细的非标规格尺寸或产品参数，可根据客户需求定制制作。

Non-standard size or product parameters not listed above, can be customized according to customer needs.

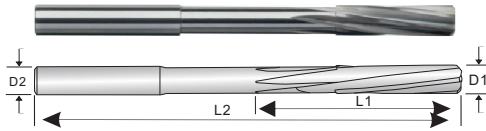
MILL DIA. TOLERANCE ( mm )		SHANK DIA. TOLERANCE 柄径公差
刃径公差 (mm)		
0	-0.015-0	H6
-0.030	-0.020-0	

## 超微粒钨钢精密机械铰刀

- ★ 超微粒钨钢精密铰刀，在加工坚硬和磨蚀性材料时候，具有出色的耐磨性和耐热性。
- ★ 适合加工铝，黄铜，青铜，玻璃纤维，硬化钢，铁，镍，塑料，不锈钢，钛，工具钢。

## Carbide-Tipped Round-Shank, NC Machine Reamers

- Reamers are carbide-tipped tool steel for excellent abrasion and heat resistance when cutting hard and abrasive materials.
- Work on Aluminum, Brass, Bronze, Fiberglass, Hardened Steel, Iron, Nickel, Plastic, Stainless Steel, Titanium, Tool Steel.



加工材料 Material Description											
碳钢	合金钢	预硬钢	硬化钢	高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钴合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels	High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
-HB225	-HB225-325	-HRC30-40	HRC40-45	HRC45-55	HRC55-70						
○	○	○			○		○				○

○ 非常合适 ○ 合适

## EMH09 SERIES

Unit:mm

优能特订货代码	刃径	刃长	全长	刃数
UNT EDP NO.	Mill Dia D1	Flute length L1	O. A. L. L2	Flutes
EMH09010	1.0	6	34	4
EMH09011	1.1	7	36	4
EMH09014	1.4	8	40	4
EMH09016	1.6	9	43	4
EMH09017	1.7	9	43	4
EMH09018	1.8	10	46	4
EMH09020	2.0	11	49	4
EMH09022	2.2	12	53	4
EMH09024	2.4	14	57	4
EMH09026	2.6	14	57	4
EMH09027	2.7	15	61	4
EMH09030	3.0	15	61	4
EMH09031	3.1	16	65	4
EMH09034	3.4	18	70	4
EMH09035	3.5	18	70	4
EMH09038	3.8	19	75	4
EMH09040	4.0	19	75	4
EMH09043	4.3	21	80	4
EMH09048	4.8	23	86	6
EMH09050	5.0	23	86	6
EMH09054	5.4	26	93	6
EMH09055	5.5	26	93	6
EMH09060	6.0	26	93	6
EMH09061	6.1	28	101	6
EMH09065	6.5	28	101	6
EMH09067	6.7	31	101	6
EMH09070	7.0	31	109	6
EMH09075	7.5	31	109	6
EMH09076	7.6	33	117	6
EMH09080	8.0	33	117	6
EMH09085	8.5	33	117	6
EMH09086	8.6	36	125	6
EMH09090	9.0	36	125	6
EMH09095	9.5	36	125	6
EMH09096	9.6	38	133	6
EMH09100	10.0	38	133	6
EMH09105	10.5	38	133	6
EMH09107	10.7	41	142	6
EMH09110	11.0	41	142	6
EMH09115	11.5	41	142	6
EMH09119	11.9	44	151	6
EMH09130	13.0	44	151	6
EMH09140	14.0	47	162	6
EMH09150	15.0	50	162	6
EMH09160	16.0	52	170	6
EMH09200	20.0	60	195	6

以上产品未列明细的非标规格尺寸或产品参数，可根据客户需求订制作。

Non-standard size or product parameters not listed above, can be customized according to customer needs.

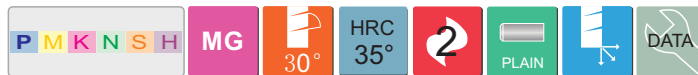
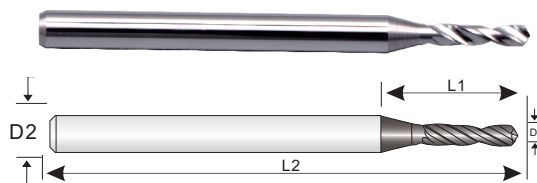
MILL DIA. TOLERANCE (mm)	SHANK DIA. TOLERANCE (mm)
0 -0.030	-0.015-0 -0.020-0
	H6

超微粒钨钢定柄3.0mm/3.175mm钻咀

Solid Carbide drill bit 3.0mm/3.175mm, EMH16,EMH17

★ 适合加工铝, 黄铜, 青铜, 玻璃纤维, 硬化钢, 铁, 镍, 塑料, 不锈钢, 钛, 工具钢。

• Work on Aluminum, Brass, Bronze, Fiberglass, Hardened Steel, Iron, Nickel, Plastic, Stainless Steel, Titanium, Tool Steel.



加工材料 Material Description											
碳钢	合金钢	预硬钢	硬化钢	高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钴合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels	High Hardened steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
-HB225	-HB225-325	-HRC30-40	HRC40-45	HRC45-55	HRC55-70						

⊙ 非常适合 ○ 适合

EMH16/17 SERIES

优能特订货代码	优能特订货代码	刃径	刃长	全长	刃数
UNT EDP NO. Center	UNT EDP NO. Left hand	Mill Dia D1	Flute length L1	O. A. L. L2	Flutes
EMH160050	EMH170050	0.5	3	38	2
EMH160060	EMH170060	0.6	4	38	2
EMH160070	EMH170070	0.7	4	38	2
EMH160080	EMH170080	0.8	4	38	2
EMH160085	EMH170085	0.85	5	38	2
EMH160090	EMH170090	0.9	5	38	2
EMH160095	EMH170095	0.95	5	38	2
EMH160100	EMH170100	1	6	38	2
EMH160105	EMH170105	1.05	7	38	2
EMH160115	EMH170115	1.15	7	38	2
EMH160120	EMH170120	1.2	8	38	2
EMH160125	EMH170125	1.25	8	38	2
EMH160130	EMH170130	1.3	8	38	2
EMH160135	EMH170135	1.35	8	38	2
EMH160140	EMH170140	1.4	9	38	2
EMH160145	EMH170145	1.45	9	38	2
EMH160150	EMH170150	1.5	9	38	2
EMH160155	EMH170155	1.55	10	38	2
EMH160160	EMH170160	1.6	10	38	2
EMH160165	EMH170165	1.65	10	38	2
EMH160170	EMH170170	1.7	10	38	2
EMH160175	EMH170175	1.75	11	38	2
EMH160180	EMH170180	1.8	11	38	2
EMH160185	EMH170185	1.85	11	38	2
EMH160190	EMH170190	1.9	11	38	2
EMH160195	EMH170195	1.95	12	38	2
EMH160200	EMH170200	2	12	38	2
EMH160205	EMH170205	2.05	12	38	2
EMH160210	EMH170210	2.1	12	38	2
EMH160215	EMH170215	2.15	13	38	2
EMH160220	EMH170220	2.2	13	38	2
EMH160225	EMH170225	2.25	13	38	2
EMH160230	EMH170230	2.3	13	38	2
EMH160235	EMH170235	2.35	14	38	2
EMH160240	EMH170240	2.4	14	38	2
EMH160245	EMH170245	2.45	14	38	2
EMH160250	EMH170250	2.5	14	38	2
EMH160255	EMH170255	2.55	14	38	2
EMH160260	EMH170260	2.6	14	38	2
EMH160265	EMH170265	2.65	16	38	2
EMH160270	EMH170270	2.7	16	38	2
EMH160275	EMH170275	2.75	16	38	2
EMH160280	EMH170280	2.8	16	38	2
EMH160285	EMH170285	2.85	16	38	2
EMH160290	EMH170290	2.9	16	38	2
EMH160295	EMH170295	2.95	16	38	2
EMH160300	EMH170300	3	16	38	2

以上产品未列明细的非标规格尺寸或产品参数, 可根据客户需求定制制作。

Non-standard size or product parameters not listed above, can be customized according to customer needs.

MILL DIA. TOLERANCE ( mm )		SHANK DIA. TOLERANCE
刃径公差 (mm)		柄径公差
0	-0.015-0	H6
-0.030	-0.020-0	



## Carbide Drill, Taps, Reamer

For Machine alloy and stainless steel, cast iron, mold steel, hard steel, and composite materials.

适用加工铝合金和不锈钢，铸铁，模具钢，硬钢和复合材料等。

📍 广东东莞市清溪镇谢坑村金塘街第一栋一号厂房

📞 +86-769-82100280/82100281

✉ sales@unt-tools.com

🌐 www.unt-tools.com

📍 Plant No.1, Building No.1, Jintang Street,  
Xiekeng, Qingxi Town, DongGuan Guangdong

📞 +86-769-82100280/82100281

✉ sales@unt-tools.com

🌐 http://www.unt-tools.com



**Come join us !**

扫描二维码加入我们