



www.nakawo.com.tw

長禹工業股份有限公司 Nakawo Industrial Co., Ltd.
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Nano	UF	SM	UF	SM	Square	Ball Nose	Corner Radius	Taper	Short cut Length	Long Neck	Long Shank	Long Cut Length	Standard Length
9	10	10	12	6	平刀	球刀	圓鼻刀	斜度刀	短刀	長頸	長柄	長刀	標準長

Drill tools
鉋鋼鑽頭



Drill tools
鉋鋼鑽頭



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Mild Steels
一般構造用鋼

Carbon steels
碳素鋼

Pre-Hardened Steels
預硬鋼

Hardened Steels
調質鋼

Hardened Steels
40~50HRC
高硬度鋼

Hardened Steels
50~60 HRC
高硬度鋼

Ductile Iron
FC FCD
灰口鑄鐵 球墨鑄鐵

Malleable Iron
KTH KTB KTB
可鍛鑄鐵

Stainless Steels
SUS 3xx SUS 2xx
奧氏體不銹鋼

Stainless Steels
SUS 4xx SUS 6xx
鐵素體 馬氏體不銹鋼

Fe-Base Alloy
Fe 351 Fe353
鐵基高溫合金

Ni-Base Alloy
Co-Base Alloy
鎳基 鈷基高溫合金

Titanium Alloy
鈦合金

Aluminum
鋁合金

Copper Alloy
銅合金

Graphite
石墨

Plastic
塑膠

Composite Materials
FRP CFRP Kevlar
玻璃纖維 碳纖維 功夫龍

Water Coolant

Oil Coolant

Dry

DIA	DLC	CRN	NCB	NC	TSL	ATC	SF	Hight speed HSC 高速加工	General speed GSC 一般加工	6~8 Flutes 6-8刃	4 Flutes 4刃	3 Flutes 3刃	2 Flutes 2刃	1 Flute 1刃
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Drill tools 鉋鑽與鉋鑽													
Nano	UF	SM	UF	SM	Square	Ball Nose	Corner Radius	Taper	Short cut Length	Long Neck	Long Shank	Long Cut Length	Standard Length 標準長
9	10	10	12	6	平刀	球刀	圓鼻刀	斜度刀	短刀	長頸	長柄	長刀	

產品型號 Item No.	尺寸 Size(mm)						刃數 No.of flutes T
	直 徑 D1	刃 長 Length of Cut ap	全 長 Dverall Length L1	柄長	柄徑 shank Da D4	中心出油 shank Da 有 ●/無—	
PHD-0900-7-100-ATC	9.00	87	131	40	10	●	2
PHD-0913-7-100-ATC	9.13	87	131	40	10	●	2
PHD-0920-7-100-ATC	9.20	87	131	40	10	●	2
PHD-0950-7-100-ATC	9.50	95	139	40	10	●	2
PHD-0952-7-100-ATC	9.52	95	139	40	10	●	2
PHD-0980-7-100-ATC	9.80	95	139	40	10	●	2
PHD-0992-7-100-ATC	9.92	95	139	40	10	●	2
PHD-1000-7-100-ATC	10.00	95	139	40	10	●	2
PHD-1020-7-120-ATC	10.20	106	155	45	12	●	2
PHD-1030-7-120-ATC	10.30	106	155	45	12	●	2
PHD-1050-7-120-ATC	10.50	106	155	45	12	●	2
PHD-1072-7-120-ATC	10.72	106	155	45	12	●	2
PHD-1000-7-120-ATC	11.00	106	155	45	12	●	2
PHD-1150-7-120-ATC	11.50	114	163	45	12	●	2
PHD-1200-7-120-ATC	12.00	144	163	45	12	●	2
PHD-1210-7-140-ATC	12.10	133	182	45	14	●	2
PHD-1230-7-140-ATC	12.30	133	182	45	14	●	2
PHD-1250-7-140-ATC	12.50	133	182	45	14	●	2
PHD-1270-7-140-ATC	12.70	133	182	48	14	●	2
PHD-1300-7-140-ATC	13.00	133	182	48	14	●	2
PHD-1350-7-140-ATC	13.50	133	182	48	14	●	2
PHD-1400-7-140-ATC	14.00	133	182	48	14	●	2
PHD-1450-7-160-ATC	14.50	152	204	48	16	●	2
PHD-1500-7-160-ATC	15.00	152	204	48	16	●	2
PHD-1550-7-160-ATC	15.50	152	204	48	16	●	2
PHD-1600-7-160-ATC	16.00	152	204	48	16	●	2
PHD-1650-7-180-ATC	16.50	171	223	50	18	●	2
PHD-1700-7-180-ATC	17.00	171	223	50	18	●	2
PHD-1750-7-180-ATC	17.50	171	223	50	18	●	2
PHD-1800-7-180-ATC	18.00	171	223	50	18	●	2
PHD-1850-7-200-ATC	18.50	190	244	50	20	●	3
PHD-1900-7-200-ATC	19.00	190	244	50	20	●	4
PHD-1950-7-200-ATC	19.50	190	244	50	20	●	5
PHD-2000-7-200-ATC	20.00	190	244	50	20	●	6

DIA	DLC	CRN	NCB	NC	TSI	ATC	SF	Hight speed HSC 高速加工	General speed GSC 一般加工	6~8 Flutes 6~8 刃	4 Flutes 4 刃	3 Flutes 3 刃	2 Flutes 2 刃	1 Flute 1 刃
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Mild Steels 一般構造用鋼
Carbon steels 碳素鋼
Pre-Hardened Steels 預硬鋼
Hardened Steels 調質鋼
Hardened Steels 40-50HRC 高硬度鋼
Hardened Steels 50-60 HRC 高硬度鋼
Ductile Iron FC FCD 灰口鑄鐵 球墨鑄鐵
Malleable Iron KTH KTB KTB 可鍛鑄鐵
Stainless Steels SUS 3xx SUS 2xx 奧氏體不銹鋼
Stainless Steels SUS 4xx SUS 6xx 鐵素體 馬氏體不銹鋼
Fe-Base Alloy Fe 351 Fe353 鐵基合金
Ni-Base Alloy Co-Base Alloy 鎳基 鈷基合金
Titanium Alloy 鈦合金
Aluminum 鋁合金
Copper Alloy 銅合金
Graphite 石墨
Plastic 塑膠
Composite Materials FRP CFRP Kevlar 玻璃纖維 碳纖維 芳綫
Water Coolant
Oil Coolant
Dry

Standard Length 標準長	Long Cut Length 長切	Long Shank 長柄	Long Neck 長頸	Short cut Length 短切	Taper 斜度刀	Corner Radius 圓鼻刀	Ball Nose 球刀	Square 平刀	SM 6	UF 12	SM 10	UF 10	Nano 9
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PHD7DH-ATC

鈷鋼鑽頭 7 倍有孔



產品型號 Item No.	尺寸 Size(mm)						刃數 No.of flutes T
	直 徑 Diameter D1	刃 長 Length of Cut ap	全 長 Overall Length L1	柄長	柄徑 shank Da D4	中心出油 shank Da 有●/無--	
PHD-0500-7-060-ATC	5.00	50	90	36	6	●	2
PHD-0510-7-060-ATC	5.10	50	90	36	6	●	2
PHD-0530-7-060-ATC	5.30	50	90	36	6	●	2
PHD-0550-7-060-ATC	5.50	57	97	36	6	●	2
PHD-0595-7-060-ATC	5.95	57	97	36	6	●	2
PHD-0600-7-060-ATC	6.00	57	97	36	6	●	2
PHD-0635-7-080-ATC	6.35	66	106	36	8	●	2
PHD-0650-7-080-ATC	6.50	66	106	36	8	●	2
PHD-0675-7-080-ATC	6.75	66	106	36	8	●	2
PHD-0680-7-080-ATC	6.80	66	106	36	8	●	2
PHD-0690-7-080-ATC	6.90	66	106	36	8	●	2
PHD-0700-7-080-ATC	7.00	66	116	36	8	●	2
PHD-0714-7-080-ATC	7.14	66	116	36	8	●	2
PHD-0750-7-080-ATC	7.50	66	116	36	8	●	2
PHD-0760-7-080-ATC	7.60	66	116	36	8	●	2
PHD-0770-7-080-ATC	7.70	76	116	36	8	●	2
PHD-0780-7-080-ATC	7.80	76	116	36	8	●	2
PHD-0794-7-080-ATC	7.94	76	116	36	8	●	2
PHD-0800-7-080-ATC	8.00	76	116	36	8	●	2
PHD-0820-7-100-ATC	8.20	87	131	36	10	●	2
PHD-0833-7-100-ATC	8.33	87	131	40	10	●	2
PHD-0850-7-100-ATC	8.50	87	131	40	10	●	2
PHD-0860-7-100-ATC	8.60	87	131	40	10	●	2
PHD-0873-7-100-ATC	8.73	87	131	40	10	●	2



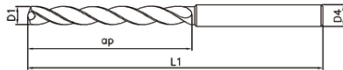
長禹工業股份有限公司成立於1990是專業刀具製造商超過20年。我們設計和製造各種硬質合金銑刀並與國內多家知名企業合作，做他們的供應商多年。 2005年，我們搬到新工廠位於台南科技工業區，由於擴大了我們的業務，並創建了一個名為NAKAWO新品牌。為了製造精確和高品質的切削刀具，我們所有的工具都是由現代化和高精密度數控機床從德國和瑞士進口。為了提供最優質的工具給我們的客戶，我們也選擇進口高品質的硬質合金材料。Nakawo擁有一支富有創造力的研發和生產團隊，使我們所有的產品確保品質優良。我們的研發團隊在這個領域擁有豐富的經驗每位都是優秀的工程師。他們大多有材料科學，機械與機電工程學的背景。我們的研發團隊可以提供的各種工具的測試和維護的最佳工具質量與刀具壽命為您服務。我們相信，隨著不斷的改進和創新，Nakawo將永遠是一個高品質的硬質合金刀具製造商。Nakawo一定會達到您的要求，並保持提供品質卓越的产品具有競爭力的價格和最好的 服務。我們將永遠是我們的客戶的最佳合作夥伴。

Nakawo Industrial Co. Ltd. is established in 1990 which is the professional cutting tools manufacturer for over 20 years. We design and manufacture various of carbide end mills and also cooperate with many famous companies to do their OEM vendor for many years. In year 2005, we moved to the new facility located at Tainan Technology Industrial Park due to extended our business and created a new brand named NAKAWO. In order to produce the accurate and high quality cutting tools, all our tools are manufactured by the most modern and high-precision CNC machines which imported from Germany and Switzerland. In order to provide the best quality tools for our customers, we also choose all of the high quality tungsten carbide rods. Nakawo owns a creative R&D and production teams to make sure the good quality of all our products. Our R&D team owns many excellent engineers who have well experiences in this area. Most of them have the background of Materials Science, Mechanical and Electro-Mechanical Engineering. Our R&D team can provide the various tooling tests and maintains the best tool quality also tool life for you. We believe that with unceasing improvement and innovation, Nakawo will always be a high quality carbide cutting tools manufacturer. Nakawo will definitely reach your demands and keep provide the outstanding quality products with competitive price and best services. We will always be the best business partner of our customers.

Standard Length 標準長	Long Cut Length 長刀	Long Shank 長柄	Long Neck 長頸	Short cut Length 短刀	Taper 斜度刀	Corner Radius 圓鼻刀	Ball Nose 球刀	Square 平刀	SM 6	UF 12	SM 10	UF 10	Nano 9
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PHD3D-TSI

鈷鉚鑽頭 3 倍無孔



產品型號 Item No.	尺寸 Size(mm)						刃數 No.of flutes T
	直 徑 D1	刃 長 Length of Cut ap	全 長 Overall Length L1	柄長	柄徑 shank Da D4	中心出油 shank Da 有 ●/無--	
PHD-0300-3-060-TSI	3.00	20	62	36	6	--	2
PHD-0317-3-060-TSI	3.17	20	62	36	6	--	2
PHD-0325-3-060-TSI	3.25	20	62	36	6	--	2
PHD-0330-3-060-TSI	3.30	20	62	36	6	--	2
PHD-0350-3-060-TSI	3.50	20	62	36	6	--	2
PHD-0357-3-060-TSI	3.57	20	62	36	6	--	2
PHD-0370-3-060-TSI	3.70	20	62	36	6	--	2
PHD-0380-3-060-TSI	3.80	24	66	36	6	--	2
PHD-0397-3-060-TSI	3.97	24	66	36	6	--	2
PHD-0400-3-060-TSI	4.00	24	66	36	6	--	2
PHD-0420-3-060-TSI	4.20	24	66	36	6	--	2
PHD-0437-3-060-TSI	4.37	24	66	36	6	--	2
PHD-0450-3-060-TSI	4.50	24	66	36	6	--	2
PHD-0460-3-060-TSI	4.60	24	66	36	6	--	2
PHD-0465-3-060-TSI	4.65	24	66	36	6	--	2
PHD-0476-3-060-TSI	4.76	28	66	36	6	--	2
PHD-0480-3-060-TSI	4.80	28	66	36	6	--	2
PHD-0500-3-060-TSI	5.00	28	66	36	6	--	2
PHD-0516-3-060-TSI	5.16	28	66	36	6	--	2
PHD-0550-3-060-TSI	5.50	28	66	36	6	--	2
PHD-0555-3-060-TSI	5.55	28	66	36	6	--	2
PHD-0556-3-060-TSI	5.56	28	66	36	6	--	2
PHD-0570-3-060-TSI	5.70	28	66	36	6	--	2
PHD-0580-3-060-TSI	5.80	28	66	36	6	--	2
PHD-0595-3-060-TSI	5.95	28	66	36	6	--	2
PHD-0600-3-060-TSI	6.00	28	66	36	6	--	2
PHD-0635-3-080-TSI	6.35	34	79	36	8	--	2
PHD-0650-3-080-TSI	6.50	34	79	36	8	--	2
PHD-0675-3-080-TSI	6.75	34	79	36	8	--	2
PHD-0680-3-080-TSI	6.80	34	79	36	8	--	2

1 Flute 1 刃	2 Flutes 2 刃	3 Flutes 3 刃	4 Flutes 4 刃	6-8 Flutes 6-8 刃	General speed GSC 一般加工	High speed HSC 高速加工	SF	ATC	TSI	NC	NCB	CRN	DLC	DIA
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Nano 9	UF 10	SM 10	UF 12	SM 6	Square 平刀	Ball Nose 球刀	Corner Radius 圓鼻刀	Taper 斜度刀	Short cut Length 短刀	Long Neck 長頸	Long Shank 長柄	Long Cut Length 長刀	Standard Length 標準長
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產品型號 Item No.	尺寸 Size(mm)						刃數 No.of flutes T
	直 徑 D1	刃 長 Length of Cut ap	全 長 Overall Length L1	柄長	柄徑 shank Da D4	中心出油 shank Da 有 ●/無--	
PHD-0900-7-100-TSI	9.00	87	131	40	10	●	2
PHD-0913-7-100-TSI	9.13	87	131	40	10	●	2
PHD-0920-7-100-TSI	9.20	87	131	40	10	●	2
PHD-0950-7-100-TSI	9.50	95	139	40	10	●	2
PHD-0952-7-100-TSI	9.52	95	139	40	10	●	2
PHD-0980-7-100-TSI	9.80	95	139	40	10	●	2
PHD-0992-7-100-TSI	9.92	95	139	40	10	●	2
PHD-1000-7-100-TSI	10.00	95	139	40	10	●	2
PHD-1020-7-120-TSI	10.20	106	155	45	12	●	2
PHD-1030-7-120-TSI	10.30	106	155	45	12	●	2
PHD-1050-7-120-TSI	10.50	106	155	45	12	●	2
PHD-1072-7-120-TSI	10.72	106	155	45	12	●	2
PHD-1000-7-120-TSI	11.00	106	155	45	12	●	2
PHD-1150-7-120-TSI	11.50	114	163	45	12	●	2
PHD-1200-7-120-TSI	12.00	144	163	45	12	●	2
PHD-1210-7-140-TSI	12.10	133	182	45	14	●	2
PHD-1230-7-140-TSI	12.30	133	182	45	14	●	2
PHD-1250-7-140-TSI	12.50	133	182	45	14	●	2
PHD-1270-7-140-TSI	12.70	133	182	48	14	●	2
PHD-1300-7-140-TSI	13.00	133	182	48	14	●	2
PHD-1350-7-140-TSI	13.50	133	182	48	14	●	2
PHD-1400-7-140-TSI	14.00	133	182	48	14	●	2
PHD-1450-7-160-TSI	14.50	152	204	48	16	●	2
PHD-1500-7-160-TSI	15.00	152	204	48	16	●	2
PHD-1550-7-160-TSI	15.50	152	204	48	16	●	2
PHD-1600-7-160-TSI	16.00	152	204	48	16	●	2
PHD-1650-7-180-TSI	16.50	171	223	50	18	●	2
PHD-1700-7-180-TSI	17.00	171	223	50	18	●	2
PHD-1750-7-180-TSI	17.50	171	223	50	18	●	2
PHD-1800-7-180-TSI	18.00	171	223	50	18	●	2
PHD-1850-7-200-TSI	18.50	190	244	50	20	●	3
PHD-1900-7-200-TSI	19.00	190	244	50	20	●	4
PHD-1950-7-200-TSI	19.50	190	244	50	20	●	5
PHD-2000-7-200-TSI	20.00	190	244	50	20	●	6

DIA	DLC	CRN	NCB	NC	TSI	ATC	SF	High speed HSC 高速加工	General speed GSC 一般加工	6-8 Flutes 6-8 刃	4 Flutes 4 刃	3 Flutes 3 刃	2 Flutes 2 刃	1 Flute 1 刃
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Mild Steels 一般構造用鋼	Carbon steels 碳素鋼	Pre-Hardened Steels 預硬鋼	Hardened Steels 調質鋼	Hardened Steels 40-50HRC 高硬度鋼	Hardened Steels 50-60 HRC 高硬度鋼	Ductile Iron FC FCD 灰口鑄鐵 球墨鑄鐵	Malleable Iron KTH KTB KTB 可鍛鑄鐵	Stainless Steels SUS 3xx SUS 2xx 奧氏體不銹鋼	Stainless Steels SUS 4xx SUS 6xx 鐵素體 馬氏體不銹鋼	Fe-Base Alloy Fe 351 Fe353 鐵基高溫合金	Ni-Base Alloy Co-Base Alloy 鎳基 鈷基高溫合金	Titanium Alloy 鈦合金	Aluminum 鋁合金	Copper Alloy 銅合金	Graphite 石墨	Plastic 塑膠	Composite Materials FRP CFRP Kevlar 玻璃纖維 碳纖維 功夫龍	Water Coolant 水	Oil Coolant 油	Dry 乾式
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Drill tools
鉋鑽/鑽頭

Mild Steels
一般鐵品/可鋼

Carbon steels
碳素鋼

Pre-Hardened Steels
預硬鋼

Hardened Steels
調質鋼

Hardened Steels
40-50HRC
高硬度鋼

Hardened Steels
50-60 HRC
高硬度鋼

Ductile Iron
FC FCD
灰口鑄鐵 球墨鑄鐵

Malleable Iron
KTH KTB KTB
可鍛鑄鐵

Stainless Steels
SUS 3xx SUS 2xx
奧氏體不銹鋼

Stainless Steels
SUS 4xx SUS 6xx
鐵素體 馬氏體不銹鋼

Fe-Base Alloy
Fe 351 Fe353
鐵基高溫合金

Ni-Base Alloy
Co-Base Alloy
鎳基 鈷基高溫合金

Titanium Alloy
鈦合金

Aluminum
鋁合金

Copper Alloy
銅合金

Graphite
石墨

Plastic
塑膠

Composite Materials
FRP CFRP Kevlar
玻璃纖維 碳纖維 功夫龍

Water Coolant

Oil Coolant

Dry

14

Standard Length
標準長

Long Cut Length
長刀

Long Shank
長柄

Long Neck
長頸

Short cut Length
短刀

Taper
斜度刀

Corner Radius
圓鼻刀

Ball Nose
球刀

Square
平刀

SM
6

UF
12

SM
10

UF
10

Nano
9

PHD7D-TSI

鉬鋼鑽頭 7 倍有孔



產品型號 Item No.	尺寸 Size(mm)						刀數 No.of flutes T
	直 徑 Diameter D1	刃 長 Length of Cut ap	全 長 Overall Length L1	柄長	柄徑 shank Da D4	中心出油 shank Da 有●/無--	
PHD-0500-7-060-TSI	5.00	50	90	36	6	●	2
PHD-0510-7-060-TSI	5.10	50	90	36	6	●	2
PHD-0530-7-060-TSI	5.30	50	90	36	6	●	2
PHD-0550-7-060-TSI	5.50	57	97	36	6	●	2
PHD-0595-7-060-TSI	5.95	57	97	36	6	●	2
PHD-0600-7-060-TSI	6.00	57	97	36	6	●	2
PHD-0635-7-080-TSI	6.35	66	106	36	8	●	2
PHD-0650-7-080-TSI	6.50	66	106	36	8	●	2
PHD-0675-7-080-TSI	6.75	66	106	36	8	●	2
PHD-0680-7-080-TSI	6.80	66	106	36	8	●	2
PHD-0690-7-080-TSI	6.90	66	106	36	8	●	2
PHD-0700-7-080-TSI	7.00	66	116	36	8	●	2
PHD-0714-7-080-TSI	7.14	66	116	36	8	●	2
PHD-0750-7-080-TSI	7.50	66	116	36	8	●	2
PHD-0760-7-080-TSI	7.60	66	116	36	8	●	2
PHD-0770-7-080-TSI	7.70	76	116	36	8	●	2
PHD-0780-7-080-TSI	7.80	76	116	36	8	●	2
PHD-0794-7-080-TSI	7.94	76	116	36	8	●	2
PHD-0800-7-080-TSI	8.00	76	116	36	8	●	2
PHD-0820-7-100-TSI	8.20	87	131	36	10	●	2
PHD-0833-7-100-TSI	8.33	87	131	40	10	●	2
PHD-0850-7-100-TSI	8.50	87	131	40	10	●	2
PHD-0860-7-100-TSI	8.60	87	131	40	10	●	2
PHD-0873-7-100-TSI	8.73	87	131	40	10	●	2

1 Flute
1刃

2 Flutes
2刃

3 Flutes
3刃

4 Flutes
4 刃

6-8 Flutes
6-8刃

General speed
GSC
一般加工

Hight speed
HSC
高速加工

SF

ATC

TSI

NC

NCB

CRN

DLC

DIA

Nano
9

UF
10

SM
10

UF
12

SM
6

Square
平刀

Ball Nose
球刀

Corner Radius
圓鼻刀

Taper
斜度刀

Short cut Length
短刀

Long Neck
長頸

Long Shank
長柄

Long Cut Length
長刀

Standard Length
標準長

產品型號 Item No.	尺寸 Size(mm)						刀數 No.of flutes T
	直 徑 Diameter D1	刃 長 Length of Cut ap	全 長 Overall Length L1	柄長	柄徑 shank Da D4	中心出油 shank Da 有●/無--	
PHD-0700-3-080-TSI	7.00	34	79	36	8	--	2
PHD-0714-3-080-TSI	7.14	41	79	36	8	--	2
PHD-0740-3-080-TSI	7.40	41	79	36	8	--	2
PHD-0750-3-080-TSI	7.50	41	79	36	8	--	2
PHD-0754-3-080-TSI	7.54	41	79	36	8	--	2
PHD-0780-3-080-TSI	7.80	41	79	36	8	--	2
PHD-0794-3-080-TSI	7.94	41	79	36	8	--	2
PHD-0800-3-080-TSI	8.00	41	79	36	8	--	2
PHD-0833-3-100-TSI	8.33	47	89	40	10	--	2
PHD-0850-3-100-TSI	8.50	47	89	40	10	--	2
PHD-0873-3-100-TSI	8.73	47	89	40	10	--	2
PHD-0880-3-100-TSI	8.80	47	89	40	10	--	2
PHD-0900-3-100-TSI	9.00	47	89	40	10	--	2
PHD-0913-3-100-TSI	9.13	47	89	40	10	--	2
PHD-0925-3-100-TSI	9.25	47	89	40	10	--	2
PHD-0930-3-100-TSI	9.30	47	89	40	10	--	2
PHD-0950-3-100-TSI	9.50	47	89	40	10	--	2
PHD-0952-3-100-TSI	9.52	47	89	40	10	--	2
PHD-0992-3-100-TSI	9.92	47	89	40	10	--	2
PHD-1000-3-100-TSI	10.00	47	89	40	10	--	2
PHD-1020-3-120-TSI	10.20	55	102	45	12	--	2
PHC-1050-3-120-TSI	10.50	55	102	45	12	--	2
PHC-1100-3-120-TSI	11.00	55	102	45	12	--	2
PHC-1120-3-120-TSI	11.20	55	102	45	12	--	2
PHC-1150-3-120-TSI	11.50	55	102	45	12	--	2
PHC-1200-3-120-TSI	12.00	55	102	45	12	--	2
PHC-1250-3-140-TSI	12.50	60	107	45	14	--	2
PHC-1300-3-140-TSI	13.00	60	107	45	14	--	2
PHC-1350-3-140-TSI	13.50	60	107	45	14	--	2
PHC-1400-3-140-TSI	14.00	60	107	45	14	--	2
PHC-1450-3-160-TSI	14.50	65	115	48	16	--	2
PHC-1500-3-160-TSI	15.00	65	115	48	16	--	2
PHC-1550-3-160-TSI	15.50	65	115	48	16	--	2
PHC-1600-3-160-TSI	16.00	65	115	48	16	--	2
PHC-1650-3-180-TSI	16.50	73	123	48	18	--	2
PHC-1700-3-180-TSI	17.00	73	123	48	18	--	2
PHC-1750-3-180-TSI	17.50	73	123	48	18	--	2
PHC-1800-3-180-TSI	18.00	73	123	48	18	--	2
PHC-1850-3-200-TSI	18.50	79	131	50	20	--	2
PHC-1900-3-200-TSI	19.00	79	131	50	20	--	2
PHC-1950-3-200-TSI	19.50	79	131	50	20	--	2
PHC-2000-3-200-TSI	20.00	79	131	50	20	--	2

DIA

DLC

CRN

NCB

NC

TSI

ATC

SF

Hight speed
HSC
高速加工

General speed
GSC
一般加工

6-8 Flutes
6-8刃

4 Flutes
4 刃

3 Flutes
3刃

2 Flutes
2刃

1 Flute
1刃

Drill tools
鉋鑽/鑽頭

Mild Steels
一般鐵品/可鋼

Carbon steels
碳素鋼

Pre-Hardened Steels
預硬鋼

Hardened Steels
調質鋼

Hardened Steels
40-50HRC
高硬度鋼

Hardened Steels
50-60 HRC
高硬度鋼

Ductile Iron
FC FCD
灰口鑄鐵 球墨鑄鐵

Malleable Iron
KTH KTB KTB
可鍛鑄鐵

Stainless Steels
SUS 3xx SUS 2xx
奧氏體不銹鋼

Stainless Steels
SUS 4xx SUS 6xx
鐵素體 馬氏體不銹鋼

Fe-Base Alloy
Fe 351 Fe353
鐵基高溫合金

Ni-Base Alloy
Co-Base Alloy
鎳基 鈷基高溫合金

Titanium Alloy
鈦合金

Aluminum
鋁合金

Copper Alloy
銅合金

Graphite
石墨

Plastic
塑膠

Composite Materials
FRP CFRP Kevlar
玻璃纖維 碳纖維 功夫龍

Water Coolant

Oil Coolant

Dry

3

Standard Length 標準長	Long Cut Length 長刃	Long Shank 長柄	Long Neck 長頸	Short cut Length 短刃	Taper 斜度刀	Corner Radius 圓鼻刀	Ball Nose 球刀	Square 平刀	SM 6	UF 12	SM 10	UF 10	Nano 9
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PHD3D-ATC

鈎鋼鑽頭 3 倍無孔



產品型號 Item No.	尺寸 Size(mm)						刃數
	直 徑 Diameter D1	刃 長 Length of Cut ap	全 長 Overall Length L1	柄長	柄徑 shank Da D4	中心出油 shank Da 有●/無-	No.of flutes T
PHD-0300-3-060-ATC	3.00	20	62	36	6	--	2
PHD-0317-3-060-ATC	3.17	20	62	36	6	--	2
PHD-0325-3-060-ATC	3.25	20	62	36	6	--	2
PHD-0330-3-060-ATC	3.30	20	62	36	6	--	2
PHD-0350-3-060-ATC	3.50	20	62	36	6	--	2
PHD-0357-3-060-ATC	3.57	20	62	36	6	--	2
PHD-0370-3-060-ATC	3.70	20	62	36	6	--	2
PHD-0380-3-060-ATC	3.80	24	66	36	6	--	2
PHD-0397-3-060-ATC	3.97	24	66	36	6	--	2
PHD-0400-3-060-ATC	4.00	24	66	36	6	--	2
PHD-0420-3-060-ATC	4.20	24	66	36	6	--	2
PHD-0437-3-060-ATC	4.37	24	66	36	6	--	2
PHD-0450-3-060-ATC	4.50	24	66	36	6	--	2
PHD-0460-3-060-ATC	4.60	24	66	36	6	--	2
PHD-0465-3-060-ATC	4.65	24	66	36	6	--	2
PHD-0476-3-060-ATC	4.76	28	66	36	6	--	2
PHD-0480-3-060-ATC	4.80	28	66	36	6	--	2
PHD-0500-3-060-ATC	5.00	28	66	36	6	--	2
PHD-0516-3-060-ATC	5.16	28	66	36	6	--	2
PHD-0550-3-060-ATC	5.50	28	66	36	6	--	2
PHD-0555-3-060-ATC	5.55	28	66	36	6	--	2
PHD-0556-3-060-ATC	5.56	28	66	36	6	--	2
PHD-0570-3-060-ATC	5.70	28	66	36	6	--	2
PHD-0580-3-060-ATC	5.80	28	66	36	6	--	2
PHD-0595-3-060-ATC	5.95	28	66	36	6	--	2
PHD-0600-3-060-ATC	6.00	28	66	36	6	--	2
PHD-0635-3-080-ATC	6.35	34	79	36	8	--	2
PHD-0650-3-080-ATC	6.50	34	79	36	8	--	2
PHD-0675-3-080-ATC	6.75	34	79	36	8	--	2
PHD-0680-3-080-ATC	6.80	34	79	36	8	--	2

1 Flute 1刃	2 Flutes 2刃	3 Flutes 3刃	4 Flutes 4 刃	6-8 Flutes 6-8刃	General speed GSC 一般加工	High speed HSC 高速加工	SF	ATC	TSI	NC	NCB	CRN	DLC	DIA
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Nano 9	UF 10	SM 10	UF 12	SM 6	Square 平刀	Ball Nose 球刀	Corner Radius 圓鼻刀	Taper 斜度刀	Short cut Length 短刀	Long Neck 長頸	Long Shank 長柄	Long Cut Length 長刀	Standard Length 標準長
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產品型號 Item No.	尺寸 Size(mm)						刃數 No.of flutes T
	直 徑	刃 長	全 長	柄長	柄徑	中心出油	
	Diameter D1	Length of Cut ap	Overall Length L1		shank Da D4	shank Da 有●/無—	
PHD-0700-5-060-ATC	7.00	53	91	36	8	●	2
PHD-0714-5-060-ATC	7.14	53	91	36	8	●	2
PHD-0740-5-060-ATC	7.40	53	91	36	8	●	2
PHD-0750-5-060-ATC	7.50	53	91	36	8	●	2
PHD-0754-5-060-ATC	7.54	53	91	36	8	●	2
PHD-0780-5-060-ATC	7.80	53	91	36	8	●	2
PHD-0794-5-060-ATC	7.94	53	91	36	8	●	2
PHD-0800-5-060-ATC	8.00	53	91	36	8	●	2
PHD-0833-5-060-ATC	8.33	61	103	40	10	●	2
PHD-0850-5-060-ATC	8.50	61	103	40	10	●	2
PHD-0873-5-060-ATC	8.73	61	103	40	10	●	2
PHD-0880-5-060-ATC	8.80	61	103	40	10	●	2
PHD-0900-5-060-ATC	9.00	61	103	40	10	●	2
PHD-0913-5-060-ATC	9.13	61	103	40	10	●	2
PHD-0925-5-060-ATC	9.25	61	103	40	10	●	2
PHD-0930-5-060-ATC	9.30	61	103	40	10	●	2
PHD-0950-5-060-ATC	9.50	61	103	40	10	●	2
PHD-0952-5-060-ATC	9.52	61	103	40	10	●	2
PHD-0992-5-060-ATC	9.92	61	103	40	10	●	2
PHD-1000-5-060-ATC	10.00	61	103	40	10	●	2
PHD-1020-5-060-ATC	10.20	71	118	45	12	●	2
PHD-1050-5-060-ATC	10.50	71	118	45	12	●	2
PHD-1100-5-060-ATC	11.00	71	118	45	12	●	2
PHD-1120-5-060-ATC	11.20	71	118	45	12	●	2
PHD-1150-5-060-ATC	11.50	71	118	45	12	●	2
PHD-1200-5-060-ATC	12.00	71	118	45	12	●	2
PHD-1250-5-060-ATC	12.50	71	124	45	14	●	2
PHD-1300-5-060-ATC	13.00	71	124	45	14	●	2
PHD-1350-5-060-ATC	13.50	71	124	45	14	●	2
PHD-1400-5-060-ATC	14.00	71	124	45	14	●	2
PHD-1450-5-060-ATC	14.50	83	133	48	16	●	2
PHD-1500-5-060-ATC	15.00	83	133	48	16	●	2
PHD-1550-5-060-ATC	15.50	83	133	48	16	●	2
PHD-1600-5-060-ATC	16.00	83	133	48	16	●	2
PHD-1650-5-060-ATC	16.50	93	143	48	18	●	2
PHD-1700-5-060-ATC	17.00	93	143	48	18	●	2
PHD-1750-5-060-ATC	17.50	93	143	48	18	●	2
PHD-1800-5-060-ATC	18.00	93	143	48	18	●	2
PHD-1850-5-060-ATC	18.50	101	153	50	20	●	2
PHD-1900-5-060-ATC	19.00	101	153	50	20	●	2
PHD-1950-5-060-ATC	19.50	101	153	50	20	●	2
PHD-2000-5-060-ATC	20.00	101	153	50	20	●	2

DIA	DLC	CRN	NCB	NC	TSI	ATC	SF	High speed HSC 高速加工	General speed GSC 一般加工	6-8 Flutes 6-8刃	4 Flutes 4 刃	3 Flutes 3刃	2 Flutes 2刃	1 Flute 1刃
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Standard 標準長	Long Cut 長刃	Long Shank 長柄	Long Neck 長頸	Short cut 短刃	Taper 斜度刀	Corner Radius 圓鼻刀	Ball Nose 球刀	Square 平刀	SM 6	UF 12	SM 10	UF 10	Nano 9
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PHD5D-ATC

鈎鋼鑽頭 5 倍有孔



產品型號 Item No.	尺寸 Size(mm)						刃數 No.of flutes T
	直 徑 D1	刃 長 Length of Cut ap	全 長 Overall Length L1	柄長	柄徑 shank Da D4	中心出油 shank Da 有●/無-	
PHD-0300-5-060-ATC	3.00	28	66	36	6	●	2
PHD-0317-5-060-ATC	3.17	28	66	36	6	●	2
PHD-0325-5-060-ATC	3.25	28	66	36	6	●	2
PHD-0330-5-060-ATC	3.30	28	66	36	6	●	2
PHD-0350-5-060-ATC	3.50	28	66	36	6	●	2
PHD-0357-5-060-ATC	3.57	28	66	36	6	●	2
PHD-0370-5-060-ATC	3.70	28	66	36	6	●	2
PHD-0380-5-060-ATC	3.80	36	74	36	6	●	2
PHD-0397-5-060-ATC	3.97	36	74	36	6	●	2
PHD-0400-5-060-ATC	4.00	36	74	36	6	●	2
PHD-0420-5-060-ATC	4.20	36	74	36	6	●	2
PHD-0437-5-060-ATC	4.37	36	74	36	6	●	2
PHD-0450-5-060-ATC	4.50	36	74	36	6	●	2
PHD-0460-5-060-ATC	4.60	36	74	36	6	●	2
PHD-0465-5-060-ATC	4.65	36	74	36	6	●	2
PHD-0476-5-060-ATC	4.76	44	82	36	6	●	2
PHD-0480-5-060-ATC	4.80	44	82	36	6	●	2
PHD-0500-5-060-ATC	5.00	44	82	36	6	●	2
PHD-0516-5-060-ATC	5.16	44	82	36	6	●	2
PHD-0550-5-060-ATC	5.50	44	82	36	6	●	2
PHD-0555-5-060-ATC	5.55	44	82	36	6	●	2
PHD-0556-5-060-ATC	5.56	44	82	36	6	●	2
PHD-0580-5-060-ATC	5.80	44	82	36	6	●	2
PHD-0595-5-060-ATC	5.95	44	82	36	6	●	2
PHD-0600-5-060-ATC	6.00	44	82	36	6	●	2
PHD-0635-5-060-ATC	6.35	53	91	36	8	●	2
PHD-0650-5-060-ATC	6.50	53	91	36	8	●	2
PHD-0675-5-060-ATC	6.75	53	91	36	8	●	2
PHD-0680-5-060-ATC	6.80	53	91	36	8	●	2

1 Flute 1刃	2 Flutes 2刃	3 Flutes 3刃	4 Flutes 4 刃	6-8 Flutes 6-8刃	General speed GSC 一般加工	High speed HSC 高速加工	SF	ATC	TSI	NC	NCB	CRN	DLC	DIA
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Nano 9	UF 10	SM 10	UF 12	SM 6	Square 平刀	Ball Nose 球刀	Corner Radius 圓鼻刀	Taper 斜度刀	Short cut Length 短刃	Long Neck 長頸	Long Shank 長柄	Long Cut Length 長刃	Standard Length 標準長
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產品型號 Item No.	尺寸 Size(mm)						刃數 No.of flutes
	直 徑 D1	刃 長 Length of Cut ap	全 長 Overall Length L1	柄長	柄徑 shank Da D4	中心出油 shank Da 有●/無--	
PHD-0700-3-080-ATC	7.00	34	79	36	8	--	2
PHD-0714-3-080-ATC	7.14	41	79	36	8	--	2
PHD-0740-3-080-ATC	7.40	41	79	36	8	--	2
PHD-0750-3-080-ATC	7.50	41	79	36	8	--	2
PHD-0754-3-080-ATC	7.54	41	79	36	8	--	2
PHD-0780-3-080-ATC	7.80	41	79	36	8	--	2
PHD-0794-3-080-ATC	7.94	41	79	36	8	--	2
PHD-0800-3-080-ATC	8.00	41	79	36	8	--	2
PHD-0833-3-100-ATC	8.33	47	89	40	10	--	2
PHD-0850-3-100-ATC	8.50	47	89	40	10	--	2
PHD-0873-3-100-ATC	8.73	47	89	40	10	--	2
PHD-0880-3-100-ATC	8.80	47	89	40	10	--	2
PHD-0900-3-100-ATC	9.00	47	89	40	10	--	2
PHD-0913-3-100-ATC	9.13	47	89	40	10	--	2
PHD-0925-3-100-ATC	9.25	47	89	40	10	--	2
PHD-0930-3-100-ATC	9.30	47	89	40	10	--	2
PHD-0950-3-100-ATC	9.50	47	89	40	10	--	2
PHD-0952-3-100-ATC	9.52	47	89	40	10	--	2
PHD-0992-3-100-ATC	9.92	47	89	40	10	--	2
PHD-1000-3-100-ATC	10.00	47	89	40	10	--	2
PHD-1020-3-120-ATC	10.20	55	102	45	12	--	2
PHC-1050-3-120-ATC	10.50	55	102	45	12	--	2
PHC-1100-3-120-ATC	11.00	55	102	45	12	--	2
PHC-1120-3-120-ATC	11.20	55	102	45	12	--	2
PHC-1150-3-120-ATC	11.50	55	102	45	12	--	2
PHC-1200-3-120-ATC	12.00	55	102	45	12	--	2
PHC-1250-3-140-ATC	12.50	60	107	45	14	--	2
PHC-1300-3-140-ATC	13.00	60	107	45	14	--	2
PHC-1350-3-140-ATC	13.50	60	107	45	14	--	2
PHC-1400-3-140-ATC	14.00	60	107	45	14	--	2
PHC-1450-3-160-ATC	14.50	65	115	48	16	--	2
PHC-1500-3-160-ATC	15.00	65	115	48	16	--	2
PHC-1550-3-160-ATC	15.50	65	115	48	16	--	2
PHC-1600-3-160-ATC	16.00	65	115	48	16	--	2
PHC-1650-3-180-ATC	16.50	73	123	48	18	--	2
PHC-1700-3-180-ATC	17.00	73	123	48	18	--	2
PHC-1750-3-180-ATC	17.50	73	123	48	18	--	2
PHC-1800-3-180-ATC	18.00	73	123	48	18	--	2
PHC-1850-3-200-ATC	18.50	79	131	50	20	--	2
PHC-1900-3-200-ATC	19.00	79	131	50	20	--	2
PHC-1950-3-200-ATC	19.50	79	131	50	20	--	2
PHC-2000-3-200-ATC	20.00	79	131	50	20	--	2

DIA	DLC	CRN	NCB	NC	TSI	ATC	SF	High speed HSC 高速加工	General speed GSC 一般加工	6-8 Flutes 6-8刃	4 Flutes 4 刃	3 Flutes 3刃	2 Flutes 2刃	1 Flute 1刃
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DIA	DLC	CRN	NCB	NC	TSI	ATC	SF	High speed HSC 高速加工	General speed GSC 一般加工	6-8 Flutes 6-8刃	4 Flutes 4 刃	3 Flutes 3刃	2 Flutes 2刃	1 Flute 1刃
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Drill tools
鉋鑽/鑽頭

Mild Steels
一般構造用鋼

Carbon steels
碳素鋼

Pre-Hardened Steels
預硬鋼

Hardened Steels
調質鋼

Hardened Steels
40-50HRC
高硬度鋼

Hardened Steels
50-60 HRC
高硬度鋼

Ductile Iron
FC PCD
灰口鑄鐵 球墨鑄鐵

Malleable Iron
KTH KTB KTB
可鍛鑄鐵

Stainless Steels
SUS 3xx SUS 2xx
奧氏體不銹鋼

Stainless Steels
SUS 4xx SUS 6xx
鐵素體 馬氏體不銹鋼

Fe-Base Alloy
Fe 251 Fe353
鐵基高合金

Ni-Base Alloy
Co-Base Alloy
鎳基 鈷基高溫合金

Titanium Alloy
鈦合金

Aluminum
鋁合金

Copper Alloy
銅合金

Graphite
石墨

Plastic
塑膠

Composite Materials
FRP CFRP Kevlar
玻璃纖維 碳纖維 功夫龍

Water Coolant

Oil Coolant

Dry

6

Standard Length
標準長

Long Cut Length
長刃

Long Shank
長柄

Long Neck
長頸

Short cut Length
短刃

Taper
斜度刀

Corner Radius
圓鼻刀

Ball Nose
球刀

Square
平刀

SM
6

UF
12

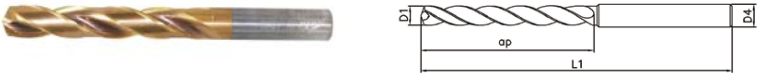
SM
10

UF
10

Nano
9

PHD5D-TSI

鈷鋼鑽頭 5 倍無孔



產品型號 Item No.	尺寸 Size(mm)						刃數 No.of flutes T
	直 徑 Diameter D1	刃 長 Length of Cut ap	全 長 Overall Length L1	柄長	柄徑 shank Da D4	中心出油 shank Da 有●/無-	
PHD-0300-5-060-TSI	3.00	28	66	36	6	--	2
PHD-0317-5-060-TSI	3.17	28	66	36	6	--	2
PHD-0325-5-060-TSI	3.25	28	66	36	6	--	2
PHD-0330-5-060-TSI	3.30	28	66	36	6	--	2
PHD-0350-5-060-TSI	3.50	28	66	36	6	--	2
PHD-0357-5-060-TSI	3.57	28	66	36	6	--	2
PHD-0370-5-060-TSI	3.70	28	66	36	6	--	2
PHD-0380-5-060-TSI	3.80	36	74	36	6	--	2
PHD-0397-5-060-TSI	3.97	36	74	36	6	--	2
PHD-0400-5-060-TSI	4.00	36	74	36	6	--	2
PHD-0420-5-060-TSI	4.20	36	74	36	6	--	2
PHD-0437-5-060-TSI	4.37	36	74	36	6	--	2
PHD-0450-5-060-TSI	4.50	36	74	36	6	--	2
PHD-0460-5-060-TSI	4.60	36	74	36	6	--	2
PHD-0465-5-060-TSI	4.65	36	74	36	6	--	2
PHD-0476-5-060-TSI	4.76	44	82	36	6	--	2
PHD-0480-5-060-TSI	4.80	44	82	36	6	--	2
PHD-0500-5-060-TSI	5.00	44	82	36	6	--	2
PHD-0516-5-060-TSI	5.16	44	82	36	6	--	2
PHD-0550-5-060-TSI	5.50	44	82	36	6	--	2
PHD-0555-5-060-TSI	5.55	44	82	36	6	--	2
PHD-0556-5-060-TSI	5.56	44	82	36	6	--	2
PHD-0580-5-060-TSI	5.80	44	82	36	6	--	2
PHD-0595-5-060-TSI	5.95	44	82	36	6	--	2
PHD-0600-5-060-TSI	6.00	44	82	36	6	--	2
PHD-0635-5-060-TSI	6.35	53	91	36	8	--	2
PHD-0650-5-060-TSI	6.50	53	91	36	8	--	2
PHD-0675-5-060-TSI	6.75	53	91	36	8	--	2
PHD-0680-5-060-TSI	6.80	53	91	36	8	--	2

1 Flute
1刃

2 Flutes
2刃

3 Flutes
3刃

4 Flutes
4 刃

6~8 Flutes
6~8刃

General speed
GSC
一般加工

High speed
HSC
高速加工

SF

ATC

TSI

NC

NCB

CRN

DLC

DIA

Nano
9

UF
10

SM
10

UF
12

SM
6

Square
平刀

Ball Nose
球刀

Corner Radius
圓鼻刀

Taper
斜度刀

Short cut Length
短刃

Long Neck
長頸

Long Shank
長柄

Long Cut Length
長刀

Standard Length
標準長

產品型號 Item No.	尺寸 Size(mm)						刃數 No.of flutes T
	直 徑 Diameter D1	刃 長 Length of Cut ap	全 長 Overall Length L1	柄長	柄徑 shank Da D4	中心出油 shank Da 有●/無-	
PHD-0700-5-060-TSI	7.00	53	91	36	8	●	2
PHD-0714-5-060-TSI	7.14	53	91	36	8	●	2
PHD-0740-5-060-TSI	7.40	53	91	36	8	●	2
PHD-0750-5-060-TSI	7.50	53	91	36	8	●	2
PHD-0754-5-060-TSI	7.54	53	91	36	8	●	2
PHD-0780-5-060-TSI	7.80	53	91	36	8	●	2
PHD-0794-5-060-TSI	7.94	53	91	36	8	●	2
PHD-0800-5-060-TSI	8.00	53	91	36	8	●	2
PHD-0833-5-060-TSI	8.33	61	103	40	10	●	2
PHD-0850-5-060-TSI	8.50	61	103	40	10	●	2
PHD-0873-5-060-TSI	8.73	61	103	40	10	●	2
PHD-0880-5-060-TSI	8.80	61	103	40	10	●	2
PHD-0900-5-060-TSI	9.00	61	103	40	10	●	2
PHD-0913-5-060-TSI	9.13	61	103	40	10	●	2
PHD-0925-5-060-TSI	9.25	61	103	40	10	●	2
PHD-0930-5-060-TSI	9.30	61	103	40	10	●	2
PHD-0950-5-060-TSI	9.50	61	103	40	10	●	2
PHD-0952-5-060-TSI	9.52	61	103	40	10	●	2
PHD-0992-5-060-TSI	9.92	61	103	40	10	●	2
PHD-1000-5-060-TSI	10.00	61	103	40	10	●	2
PHD-1020-5-060-TSI	10.20	71	118	45	12	●	2
PHD-1050-5-060-TSI	10.50	71	118	45	12	●	2
PHD-1100-5-060-TSI	11.00	71	118	45	12	●	2
PHD-1120-5-060-TSI	11.20	71	118	45	12	●	2
PHD-1150-5-060-TSI	11.50	71	118	45	12	●	2
PHD-1200-5-060-TSI	12.00	71	118	45	12	●	2
PHD-1250-5-060-TSI	12.50	71	124	45	14	●	2
PHD-1300-5-060-TSI	13.00	71	124	45	14	●	2
PHD-1350-5-060-TSI	13.50	71	124	45	14	●	2
PHD-1400-5-060-TSI	14.00	71	124	45	14	●	2
PHD-1450-5-060-TSI	14.50	83	133	48	16	●	2
PHD-1500-5-060-TSI	15.00	83	133	48	16	●	2
PHD-1550-5-060-TSI	15.50	83	133	48	16	●	2
PHD-1600-5-060-TSI	16.00	83	133	48	16	●	2
PHD-1650-5-060-TSI	16.50	93	143	48	18	●	2
PHD-1700-5-060-TSI	17.00	93	143	48	18	●	2
PHD-1750-5-060-TSI	17.50	93	143	48	18	●	2
PHD-1800-5-060-TSI	18.00	93	143	48	18	●	2
PHD-1850-5-060-TSI	18.50	101	153	50	20	●	2
PHD-1900-5-060-TSI	19.00	101	153	50	20	●	2
PHD-1950-5-060-TSI	19.50	101	153	50	20	●	2
PHD-2000-5-060-TSI	20.00	101	153	50	20	●	2

DIA

DLC

CRN

NCB

NC

TSI

ATC

SF

High speed
HSC
高速加工

General speed
GSC
一般加工

6~8 Flutes
6~8刃

4 Flutes
4 刃

3 Flutes
3刃

2 Flutes
2刃

1 Flute
1刃

Drill tools
鉋鑽/鑽頭

Mild Steels
一般構造用鋼

Carbon steels
碳素鋼

Pre-Hardened Steels
預硬鋼

Hardened Steels
調質鋼

Hardened Steels
40-50HRC
高硬度鋼

Hardened Steels
50-60 HRC
高硬度鋼

Ductile Iron
FC PCD
灰口鑄鐵 球墨鑄鐵

Malleable Iron
KTH KTB KTB
可鍛鑄鐵

Stainless Steels
SUS 3xx SUS 2xx
奧氏體不銹鋼

Stainless Steels
SUS 4xx SUS 6xx
鐵素體 馬氏體不銹鋼

Fe-Base Alloy
Fe 251 Fe353
鐵基高合金

Ni-Base Alloy
Co-Base Alloy
鎳基 鈷基高溫合金

Titanium Alloy
鈦合金

Aluminum
鋁合金

Copper Alloy
銅合金

Graphite
石墨

Plastic
塑膠

Composite Materials
FRP CFRP Kevlar
玻璃纖維 碳纖維 功夫龍

Water Coolant

Oil Coolant

Dry

11

PHD5D-TSI

鈎鋼鑽頭 5 倍有孔



產品型號 Item No.	尺寸 Size(mm)						刃數 No.of flutes T
	直 徑 Diameter D1	刃 長 Length of Cut ap	全 長 Overall Length L1	柄長	柄徑 shank Da D4	中心出油 shank Da 有 ●/無—	
PHD-0300-5-060-TSI	3.00	28	66	36	6	●	2
PHD-0317-5-060-TSI	3.17	28	66	36	6	●	2
PHD-0325-5-060-TSI	3.25	28	66	36	6	●	2
PHD-0330-5-060-TSI	3.30	28	66	36	6	●	2
PHD-0350-5-060-TSI	3.50	28	66	36	6	●	2
PHD-0357-5-060-TSI	3.57	28	66	36	6	●	2
PHD-0370-5-060-TSI	3.70	28	66	36	6	●	2
PHD-0380-5-060-TSI	3.80	36	74	36	6	●	2
PHD-0397-5-060-TSI	3.97	36	74	36	6	●	2
PHD-0400-5-060-TSI	4.00	36	74	36	6	●	2
PHD-0420-5-060-TSI	4.20	36	74	36	6	●	2
PHD-0437-5-060-TSI	4.37	36	74	36	6	●	2
PHD-0450-5-060-TSI	4.50	36	74	36	6	●	2
PHD-0460-5-060-TSI	4.60	36	74	36	6	●	2
PHD-0465-5-060-TSI	4.65	36	74	36	6	●	2
PHD-0476-5-060-TSI	4.76	44	82	36	6	●	2
PHD-0480-5-060-TSI	4.80	44	82	36	6	●	2
PHD-0500-5-060-TSI	5.00	44	82	36	6	●	2
PHD-0516-5-060-TSI	5.16	44	82	36	6	●	2
PHD-0550-5-060-TSI	5.50	44	82	36	6	●	2
PHD-0555-5-060-TSI	5.55	44	82	36	6	●	2
PHD-0556-5-060-TSI	5.56	44	82	36	6	●	2
PHD-0580-5-060-TSI	5.80	44	82	36	6	●	2
PHD-0595-5-060-TSI	5.95	44	82	36	6	●	2
PHD-0600-5-060-TSI	6.00	44	82	36	6	●	2
PHD-0635-5-060-TSI	6.35	53	91	36	8	●	2
PHD-0650-5-060-TSI	6.50	53	91	36	8	●	2
PHD-0675-5-060-TSI	6.75	53	91	36	8	●	2
PHD-0680-5-060-TSI	6.80	53	91	36	8	●	2

產品型號 Item No.	尺寸 Size(mm)						刃數 No.of flutes T
	直 徑 Diameter D1	刃 長 Length of Cut ap	全 長 Overall Length L1	柄長	柄徑 shank Da D4	中心出油 shank Da 有 ●/無—	
PHD-0700-5-060-TSI	7.00	53	91	36	8	--	2
PHD-0714-5-060-TSI	7.14	53	91	36	8	--	2
PHD-0740-5-060-TSI	7.40	53	91	36	8	--	2
PHD-0750-5-060-TSI	7.50	53	91	36	8	--	2
PHD-0754-5-060-TSI	7.54	53	91	36	8	--	2
PHD-0780-5-060-TSI	7.80	53	91	36	8	--	2
PHD-0794-5-060-TSI	7.94	53	91	36	8	--	2
PHD-0800-5-060-TSI	8.00	53	91	36	8	--	2
PHD-0833-5-060-TSI	8.33	61	103	40	10	--	2
PHD-0850-5-060-TSI	8.50	61	103	40	10	--	2
PHD-0873-5-060-TSI	8.73	61	103	40	10	--	2
PHD-0880-5-060-TSI	8.80	61	103	40	10	--	2
PHD-0900-5-060-TSI	9.00	61	103	40	10	--	2
PHD-0913-5-060-TSI	9.13	61	103	40	10	--	2
PHD-0925-5-060-TSI	9.25	61	103	40	10	--	2
PHD-0930-5-060-TSI	9.30	61	103	40	10	--	2
PHD-0950-5-060-TSI	9.50	61	103	40	10	--	2
PHD-0952-5-060-TSI	9.52	61	103	40	10	--	2
PHD-0992-5-060-TSI	9.92	61	103	40	10	--	2
PHD-1000-5-060-TSI	10.00	61	103	40	10	--	2
PHD-1020-5-060-TSI	10.20	71	118	45	12	--	2
PHD-1050-5-060-TSI	10.50	71	118	45	12	--	2
PHD-1100-5-060-TSI	11.00	71	118	45	12	--	2
PHD-1120-5-060-TSI	11.20	71	118	45	12	--	2
PHD-1150-5-060-TSI	11.50	71	118	45	12	--	2
PHD-1200-5-060-TSI	12.00	71	118	45	12	--	2
PHD-1250-5-060-TSI	12.50	71	124	45	14	--	2
PHD-1300-5-060-TSI	13.00	71	124	45	14	--	2
PHD-1350-5-060-TSI	13.50	71	124	45	14	--	2
PHD-1400-5-060-TSI	14.00	71	124	45	14	--	2
PHD-1450-5-060-TSI	14.50	83	133	48	16	--	2
PHD-1500-5-060-TSI	15.00	83	133	48	16	--	2
PHD-1550-5-060-TSI	15.50	83	133	48	16	--	2
PHD-1600-5-060-TSI	16.00	83	133	48	16	--	2
PHD-1650-5-060-TSI	16.50	93	143	48	18	--	2
PHD-1700-5-060-TSI	17.00	93	143	48	18	--	2
PHD-1750-5-060-TSI	17.50	93	143	48	18	--	2
PHD-1800-5-060-TSI	18.00	93	143	48	18	--	2
PHD-1850-5-060-TSI	18.50	101	153	50	20	--	2
PHD-1900-5-060-TSI	19.00	101	153	50	20	--	2
PHD-1950-5-060-TSI	19.50	101	153	50	20	--	2
PHD-2000-5-060-TSI	20.00	101	153	50	20	--	2

Drill tools
鉋頭鑽頭

Mild Steels
一般構造用鋼

Carbon steels
碳素鋼

Pre-Hardened Steels
預硬鋼

Hardened Steels
調質鋼

Hardened Steels
40-50HRC
高硬度鋼

Hardened Steels
50-60 HRC
高硬度鋼

Ductile Iron
FC FCD
灰口鑄鐵 球墨鑄鐵

Malleable Iron
KTH KTB KTB
可鍛鑄鐵

Stainless Steels
SUS 3xx SUS 2xx
奧氏體不銹鋼

Stainless Steels
SUS 4xx SUS 6xx
鐵素體 馬氏體不銹鋼

Fe-Base Alloy
Fe 351 Fe353
鐵基高合金

Ni-Base Alloy
Co-Base Alloy
鎳基 鈷基高合金

Titanium Alloy
鈦合金

Aluminum
鋁合金

Copper Alloy
銅合金

Graphite
石墨

Plastic
塑膠

Composite Materials
FRP CFRP Kevlar
玻璃纖維 碳纖維 功夫龍

Water Coolant

Oil Coolant

Dry

PHD5D-ATC

鈷鋼鑽頭 5 倍無孔



產品型號 Item No.	尺寸 Size(mm)						刃數 No.of flutes T
	直 徑 D1	刃 長 Length of Cut ap	全 長 Overall Length L1	柄長	柄徑 shank Da D4	中心出油 shank Da 有 ●/無—	
PHD-0300-5-060-ATC	3.00	28	66	36	6	--	2
PHD-0317-5-060-ATC	3.17	28	66	36	6	--	2
PHD-0325-5-060-ATC	3.25	28	66	36	6	--	2
PHD-0330-5-060-ATC	3.30	28	66	36	6	--	2
PHD-0350-5-060-ATC	3.50	28	66	36	6	--	2
PHD-0357-5-060-ATC	3.57	28	66	36	6	--	2
PHD-0370-5-060-ATC	3.70	28	66	36	6	--	2
PHD-0380-5-060-ATC	3.80	36	74	36	6	--	2
PHD-0397-5-060-ATC	3.97	36	74	36	6	--	2
PHD-0400-5-060-ATC	4.00	36	74	36	6	--	2
PHD-0420-5-060-ATC	4.20	36	74	36	6	--	2
PHD-0437-5-060-ATC	4.37	36	74	36	6	--	2
PHD-0450-5-060-ATC	4.50	36	74	36	6	--	2
PHD-0460-5-060-ATC	4.60	36	74	36	6	--	2
PHD-0465-5-060-ATC	4.65	36	74	36	6	--	2
PHD-0476-5-060-ATC	4.76	44	82	36	6	--	2
PHD-0480-5-060-ATC	4.80	44	82	36	6	--	2
PHD-0500-5-060-ATC	5.00	44	82	36	6	--	2
PHD-0516-5-060-ATC	5.16	44	82	36	6	--	2
PHD-0550-5-060-ATC	5.50	44	82	36	6	--	2
PHD-0555-5-060-ATC	5.55	44	82	36	6	--	2
PHD-0556-5-060-ATC	5.56	44	82	36	6	--	2
PHD-0580-5-060-ATC	5.80	44	82	36	6	--	2
PHD-0595-5-060-ATC	5.95	44	82	36	6	--	2
PHD-0600-5-060-ATC	6.00	44	82	36	6	--	2
PHD-0635-5-060-ATC	6.35	53	91	36	8	--	2
PHD-0650-5-060-ATC	6.50	53	91	36	8	--	2
PHD-0675-5-060-ATC	6.75	53	91	36	8	--	2
PHD-0680-5-060-ATC	6.80	53	91	36	8	--	2

1 Flute1 刃2 Flutes2 刃3 Flutes3 刃4 Flutes4 刃6-8 Flutes6-8 刃General speedGSC一般加工High speedHSC高速加工SFATCTSI NCNCRN DCLCDIA

產品型號 Item No.	尺寸 Size(mm)						刃數 No.of flutes T
	直 徑 D1	刃 長 Length of Cut ap	全 長 Overall Length L1	柄長	柄徑 shank Da D4	中心出油 shank Da 有 ●/無--	
PHD-0700-5-060-ATC	7.00	53	91	36	8	--	2
PHD-0714-5-060-ATC	7.14	53	91	36	8	--	2
PHD-0740-5-060-ATC	7.40	53	91	36	8	--	2
PHD-0750-5-060-ATC	7.50	53	91	36	8	--	2
PHD-0754-5-060-ATC	7.54	53	91	36	8	--	2
PHD-0780-5-060-ATC	7.80	53	91	36	8	--	2
PHD-0794-5-060-ATC	7.94	53	91	36	8	--	2
PHD-0800-5-060-ATC	8.00	53	91	36	8	--	2
PHD-0833-5-060-ATC	8.33	61	103	40	10	--	2
PHD-0850-5-060-ATC	8.50	61	103	40	10	--	2
PHD-0873-5-060-ATC	8.73	61	103	40	10	--	2
PHD-0880-5-060-ATC	8.80	61	103	40	10	--	2
PHD-0900-5-060-ATC	9.00	61	103	40	10	--	2
PHD-0913-5-060-ATC	9.13	61	103	40	10	--	2
PHD-0925-5-060-ATC	9.25	61	103	40	10	--	2
PHD-0930-5-060-ATC	9.30	61	103	40	10	--	2
PHD-0950-5-060-ATC	9.50	61	103	40	10	--	2
PHD-0952-5-060-ATC	9.52	61	103	40	10	--	2
PHD-0992-5-060-ATC	9.92	61	103	40	10	--	2
PHD-1000-5-060-ATC	10.00	61	103	40	10	--	2
PHD-1020-5-060-ATC	10.20	71	118	45	12	--	2
PHD-1050-5-060-ATC	10.50	71	118	45	12	--	2
PHD-1100-5-060-ATC	11.00	71	118	45	12	--	2
PHD-1120-5-060-ATC	11.20	71	118	45	12	--	2
PHD-1150-5-060-ATC	11.50	71	118	45	12	--	2
PHD-1200-5-060-ATC	12.00	71	118	45	12	--	2
PHD-1250-5-060-ATC	12.50	71	124	45	14	--	2
PHD-1300-5-060-ATC	13.00	71	124	45	14	--	2
PHD-1350-5-060-ATC	13.50	71	124	45	14	--	2
PHD-1400-5-060-ATC	14.00	71	124	45	14	--	2
PHD-1450-5-060-ATC	14.50	83	133	48	16	--	2
PHD-1500-5-060-ATC	15.00	83	133	48	16	--	2
PHD-1550-5-060-ATC	15.50	83	133	48	16	--	2
PHD-1600-5-060-ATC	16.00	83	133	48	16	--	2
PHD-1650-5-060-ATC	16.50	93	143	48	18	--	2
PHD-1700-5-060-ATC	17.00	93	143	48	18	--	2
PHD-1750-5-060-ATC	17.50	93	143	48	18	--	2
PHD-1800-5-060-ATC	18.00	93	143	48	18	--	2
PHD-1850-5-060-ATC	18.50	101	153	50	20	--	2
PHD-1900-5-060-ATC	19.00	101	153	50	20	--	2
PHD-1950-5-060-ATC	19.50	101	153	50	20	--	2
PHD-2000-5-060-ATC	20.00	101	153	50	20	--	2

DIA DCLCRN NCNCRN TSIATCTSI SFHigh speedHSC高速加工General speedGSC一般加工6-8 Flutes6-8 刃4 Flutes4 刃3 Flutes3 刃2 Flutes2 刃1 Flute1 刃