

DMU - Modular Drills · 3D ~ 5D 模組化鑽頭 · 3 ~ 5 倍深

Specification

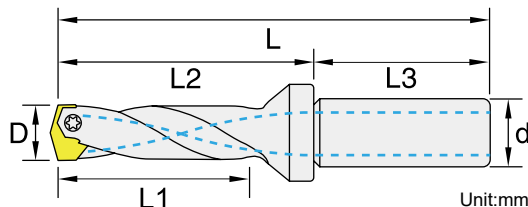
- 3×D ~ 5×D Cutting depth
- Internal Coolant

- High durable SKD holder body
- Use DMUA series inserts

規格

- 3 ~ 5 倍深
- 內冷卻孔

- SKD 高耐久性刀體
- 使用 DMUA 刀片



3D

Insert Brand : Winstar

Order No.	Dimensions, mm						Insert	Screw	Wrench	Stock
	D (Applicable Insert Dia.)	L1	L2	L3	L	d				
IDMU3130020	13.0 ~ 13.99	46	65	50	115	20	DMUA13	IWCS2510	IPL20	○
IDMU3140020	14.0 ~ 14.99	49	70	50	120	20	DMUA14	IWCS3013	IPL25	○
IDMU3150020	15.0 ~ 15.99	52	73	50	123	20	DMUA15			○
IDMU3160020	16.0 ~ 16.99	56	77	50	127	20	DMUA16	IWCS3014	IPL25	○
IDMU3170020	17.0 ~ 17.99	60	81	50	131	20	DMUA17			○
IDMU3180020	18.0 ~ 18.99	63	86	50	136	20	DMUA18	IWCS4016	IPL30	○
IDMU3190020	19.0 ~ 19.99	67	90	50	140	20	DMUA19			○
IDMU3200020	20.0 ~ 20.99	72	98	56	154	25	DMUA20	IWCS4018	IPL30	○
IDMU3210020	21.0 ~ 21.99	75	101	56	157	25	DMUA21			○
IDMU3220020	22.0 ~ 22.99	79	105	56	161	25	DMUA22			○
IDMU3240020	24.0 ~ 25.40	86	114	56	170	25	DMUA2	IWCS5020	IPL35	○

5D

Order No.	Dimensions, mm						Insert	Screw	Wrench	Stock
	D (Applicable Insert Dia.)	L1	L2	L3	L	d				
IDMU5130020	13.0 ~ 13.99	72	91	50	141	20	DMUA13	IWCS2510	IPL20	●
IDMU5140020	14.0 ~ 14.99	77	98	50	148	20	DMUA14	IWCS3013	IPL25	●
IDMU5150020	15.0 ~ 15.99	82	103	50	153	20	DMUA15			●
IDMU5160020	16.0 ~ 16.99	88	109	50	159	20	DMUA16	IWCS3014	IPL25	●
IDMU5170020	17.0 ~ 17.99	94	115	50	165	20	DMUA17			●
IDMU5180020	18.0 ~ 18.99	99	122	50	172	20	DMUA18	IWCS4016	IPL30	●
IDMU5190020	19.0 ~ 19.99	105	128	50	178	20	DMUA19			●
IDMU5200020	20.0 ~ 20.99	112	138	56	194	25	DMUA20	IWCS4018	IPL30	●
IDMU5210020	21.0 ~ 21.99	117	143	56	199	25	DMUA21			●
IDMU5220020	22.0 ~ 22.99	123	149	56	205	25	DMUA22			●
IDMU5240020	24.0 ~ 25.40	134	162	56	218	25	DMUA2	IWCS5020	IPL35	●

● stock ○ by inquiry

Holemaking

DMU - Modular Drills · 7D ~ 10D 模組化鑽頭 · 7 ~ 10 倍深

Specification

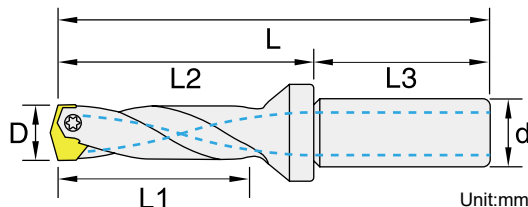
- 7×D ~ 10×D Cutting depth
- Internal Coolant

- High durable SKD holder body
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規格

- 7 ~ 10 倍深
- 內冷卻孔

- SKD 高耐久性刀體
- 使用 DMUA 刀片



7D

Insert Brand : Winstar

Order No.	Dimensions, mm						Insert	Screw	Wrench	Stock
	D (Applicable Insert Dia.)	L1	L2	L3	L	d				
IDMU7130020	13.0 ~ 13.99	98	117	50	167	20	DMUA13	IWCS2510	IPL20	○
IDMU7140020	14.0 ~ 14.99	105	126	50	176	20	DMUA14	IWCS3013	IPL25	○
IDMU7150020	15.0 ~ 15.99	112	133	50	183	20	DMUA15			○
IDMU7160020	16.0 ~ 16.99	120	141	50	191	20	DMUA16	IWCS3014	IPL25	○
IDMU7170020	17.0 ~ 17.99	128	149	50	199	20	DMUA17			○
IDMU7180020	18.0 ~ 18.99	135	158	50	208	20	DMUA18	IWCS4016	IPL30	○
IDMU7190020	19.0 ~ 19.99	143	166	50	216	20	DMUA19			○
IDMU7200020	20.0 ~ 20.99	152	178	56	234	25	DMUA20	IWCS4018	IPL30	○
IDMU7210020	21.0 ~ 21.99	159	185	56	241	25	DMUA21			○
IDMU7220020	22.0 ~ 22.99	167	190	56	246	25	DMUA22			○
IDMU7240020	24.0 ~ 25.40	182	210	56	266	25	DMUA2	IWCS5020	IPL35	○

10D

Order No.	Dimensions, mm						Insert	Screw	Wrench	Stock
	D (Applicable Insert Dia.)	L1	L2	L3	L	d				
IDMU9130020	13.0 ~ 13.99	137	156	50	206	20	DMUA13	IWCS3013	IPL25	○
IDMU9140020	14.0 ~ 14.99	147	168	50	218	20	DMUA14			○
IDMU9150020	15.0 ~ 15.99	157	178	50	228	20	DMUA15	IWCS3014	IPL25	○
IDMU9160020	16.0 ~ 16.99	159	189	50	239	20	DMUA16			○
IDMU9170020	17.0 ~ 17.99	179	200	50	250	20	DMUA17	IWCS4016	IPL30	○
IDMU9180020	18.0 ~ 18.99	189	212	50	262	20	DMUA18			○
IDMU9190020	19.0 ~ 19.99	200	223	50	273	20	DMUA19	IWCS4018	IPL30	○
IDMU9200020	20.0 ~ 20.99	212	238	56	294	25	DMUA20			○
IDMU9210020	21.0 ~ 21.99	222	248	56	304	25	DMUA21			○
IDMU9220020	22.0 ~ 22.99	233	259	56	315	25	DMUA22	IWCS5020	IPL35	○
IDMU9240020	24.0 ~ 25.40	254	282	56	338	25	DMUA2			○

● stock ○ by inquiry

DMU - Modular Drill Inserts 模組化鑽頭刀片

Recommended Cutting Conditions 建議切削數據

Work Material	Vc (m/min)	fr (mm/rev)		
		13.0 ≤ ØD ≤ 15.9	16.0 ≤ ØD ≤ 19.9	20.0 ≤ ØD ≤ 25.4
P Carbon Steel	70 - 95 - 120	0.15 - 0.24 - 0.32	0.18 - 0.27 - 0.35	0.20 - 0.29 - 0.38
	Alloy Steel	60 - 85 - 110	0.15 - 0.23 - 0.30	0.17 - 0.25 - 0.32
M Stainless Steel	55 - 68 - 80	0.11 - 0.17 - 0.23	0.13 - 0.19 - 0.25	0.15 - 0.23 - 0.30
K Cast Iron	70 - 95 - 120	0.15 - 0.24 - 0.32	0.18 - 0.27 - 0.35	0.20 - 0.29 - 0.38
S High Temperature Alloy	35 - 50 - 65	0.08 - 0.13 - 0.18	0.10 - 0.15 - 0.20	0.12 - 0.17 - 0.22

Insert Specifications 刀片規格

Insert	Dimensions (mm)	
	A	S
DMUA1300	13.00	3.6
DMUA1350	13.50	3.6
DMUA1400	14.00	4.0
DMUA1450	14.50	4.0
DMUA1500	15.00	4.0
DMUA1550	15.50	4.0
DMUA1587	15.875 (5/8")	4.0
DMUA1600	16.00	4.0
DMUA1630	16.30	4.0
DMUA1650	16.50	4.0
DMUA1700	17.00	4.0
DMUA1800	18.00	5.0
DMUA1900	19.00	5.0
DMUA1905	19.05 (3/4")	5.0
DMUA2000	20.00	5.0
DUMA2100	21.00	6.0
DMUA2200	22.00	6.0
DMUA2222	22.225 (7/8")	6.0
DMUA2400	24.00	7.0
DMUA2500	25.00	7.0
DMUA2540	25.40 (1")	7.0

* Customized sizes (two decimal places) are acceptable. 客製化尺寸可至小數點後 2 位


Insert Geometry 刀片幾何

Shape 形狀	Tip Design 鑽尖設計	Application 應用
	SX	<ul style="list-style-type: none"> • Tip Angle : 140°, Universal • Low cutting force for steel, stainless steel, cast iron and high temperature alloy. • 鑽尖：140°，泛用 • 低切削阻力的刀口設計，適用於鋼件、不鏽鋼、鑄鐵和高溫合金加工

Holemaking

DMU - Modular Drill Inserts 模組化鑽頭刀片

Insert Designation 刀片型號

Insert	Order No.	Designation	Working Material					
			P	M	K	N	S	H
	IDMUA1300SX33TX	DMUA1300-SX-CX33TX	●	●	●		○	○
	IDMUA1350SX33TX	DMUA1350-SX-CX33TX	●	●	●		○	○
	IDMUA1400SX33TX	DMUA1400-SX-CX33TX	●	●	●		○	○
	IDMUA1450SX33TX	DMUA1450-SX-CX33TX	●	●	●		○	○
	IDMUA1500SX33TX	DMUA1500-SX-CX33TX	●	●	●		○	○
	IDMUA1550SX33TX	DMUA1550-SX-CX33TX	●	●	●		○	○
	IDMUA1587SX33TX	DMUA1587-SX-CX33TX	●	●	●		○	○
	IDMUA1600SX33TX	DMUA1600-SX-CX33TX	●	●	●		○	○
	IDMUA1630SX33TX	DMUA1630-SX-CX33TX	●	●	●		○	○
	IDMUA1650SX33TX	DMUA1650-SX-CX33TX	●	●	●		○	○
	IDMUA1700SX33TX	DMUA1700-SX-CX33TX	●	●	●		○	○
	IDMUA1800SX33TX	DMUA1800-SX-CX33TX	●	●	●		○	○
	IDMUA1900SX33TX	DMUA1900-SX-CX33TX	●	●	●		○	○
	IDMUA1905SX33TX	DMUA1905-SX-CX33TX	●	●	●		○	○
	IDMUA2000SX33TX	DMUA2000-SX-CX33TX	●	●	●		○	○
	IDUMA2100SX33TX	DUMA2100-SX-CX33TX	●	●	●		○	○
	IDMUA2200SX33TX	DMUA2200-SX-CX33TX	●	●	●		○	○
	IDMUA2222SX33TX	DMUA2222-SX-CX33TX	●	●	●		○	○
	IDMUA2400SX33TX	DMUA2400-SX-CX33TX	●	●	●		○	○
	IDMUA2500SX33TX	DMUA2500-SX-CX33TX	●	●	●		○	○
IDMUA2540SX33TX	DMUA2540-SX-CX33TX	●	●	●		○	○	

Special Insert Order No. 刀片特殊規格訂購編碼

Order No. 訂購編碼

IDMUA XXXX SX33TX → IDMUA1510SX33TX

EX: Insert Dia. = 15.1mm
刀片直徑 = 15.1mm