



## Product Features

- SPMG series inserts
- Optimized flute design
- Internal coolant
- Better tool life
- Self-Produced inserts
- Diameter 12.5-50 mm
- 使用 SPMG 系列刀片
- 排屑槽設計優化
- 內冷孔設計
- 良好刀具壽命
- 刀片全程自產，提供您最佳性價比
- 孔徑加工範圍：12.5-50mm

## Indexable Drills





Appearance	Item	Page
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### SPMG Inserts

	SPMG	050204-MG	C067
		060204-MG	
		07T308-MG	
		090408-MG	
		110408-MG	

Appearance	Item	Code No.	Coolant	ØRange	Page
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### DSP Indexable Drills

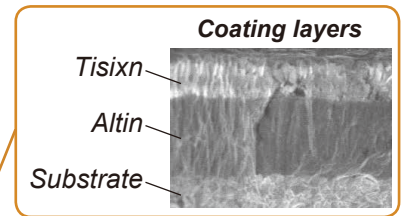
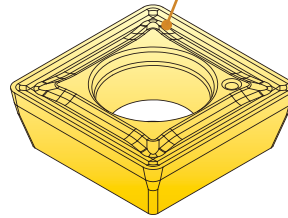
	DSP Indexable Drills - 2xD 內冷捨棄式快速鑽頭	IDSP	Internal	Ø12.5~Ø50	C070
	DSP Indexable Drills - 3xD 內冷捨棄式快速鑽頭	IDSP	Internal	Ø12.5~Ø50	C072
	DSP Indexable Drills - 4xD 內冷捨棄式快速鑽頭	IDSP	Internal	Ø12.5~Ø50	C074
	DSP Indexable Drills - 5xD 內冷捨棄式快速鑽頭	IDSP	Internal	Ø13~Ø44	C076

## Grade Descriptions

Grade Code : CX31NS, CX41NS

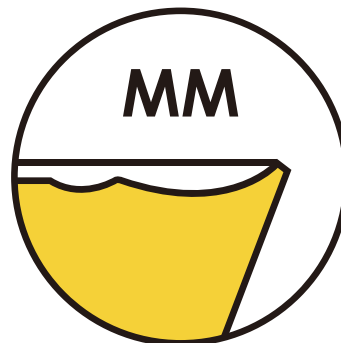
Ingredient : Ti, Al, Si, N


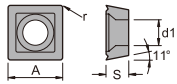




- Feature :
- Si contained
  - Improve the hardness and heat resistance
  - The Si NANO particles uniformly distributed
  - Effective protection of the substrate
  - Extend inserts life



Grade	ISO	Substrate (HRA)	Coating Type	Thickness	Coolant		Cutting Condition
					WET	DRY	
CX31NS	P20~P30 M15~M30 K30	91.6	TiSixN	~ 3	★ ★	★	Medium Continuous
CX41NS	P20~P40 M20~M40 K30	90.0	TiSixN	~ 3	★ ★	★	Rough Interrupted

## Chip breaker design



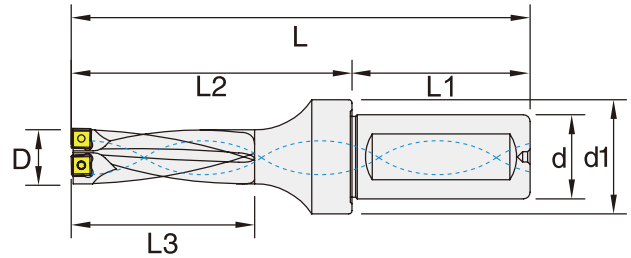
Inserts	Designation	Grade					Dimensions (mm)						Drawing
		CX21NS	CX31NA	CX31NS	CX41NS	CX41NA	A	B	S	r	d1	t1	
	SPMG 050204-MG			✓	✓		5.00	-	2.38	0.4	2.30	-	
	SPMG 060204-MG			✓	✓		6.00	-	2.38	0.4	2.65	-	
	SPMG 07T308-MG			✓	✓		7.94	-	3.97	0.8	2.85	-	
	SPMG 090408-MG			✓	✓		9.80	-	4.3	0.8	4.05	-	
	SPMG 110408-MG			✓	✓		11.50	-	4.8	0.8	4.45	-	

Holder Page : C070~C076

Drilling

### Product Specs

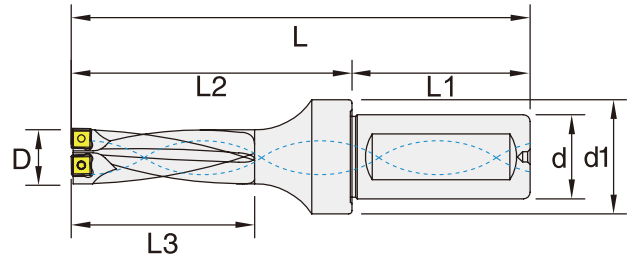
- 2×D Cutting depth
- High durable SDK holder body
- Internal Coolant
- Use with SPMG series inserts
- Indexable Insert with 4 sides cutting edge
- For Alloy Steel, Steel, Stainless Steel and Cast Iron.



Item Code	Dimensions, mm							Teeth	Insert	Screw	Wrench
	D	d	d1	L	L3	L2	L1				
IDSP1252-20T2-05	12.5	20	27	94	26	44	50	2	SPMG0502...	TS2003	TK06
IDSP1302-20T2-05	13							2			
IDSP1352-20T2-05	13.5							2			
IDSP1402-20T2-05	14			2							
IDSP1452-20T2-05	14.5			2							
IDSP1502-20T2-05	15			2							
IDSP1552-25T2-06	15.5	25	33	108	32	52	56	2	SPMG0602...	TS2202	TK06
IDSP1602-25T2-06	16			2							
IDSP1652-25T2-06	16.5			2							
IDSP1702-25T2-06	17			2							
IDSP1752-25T2-06	17.5			2							
IDSP1802-25T2-06	18			2							
IDSP1852-25T2-06	18.5			2							
IDSP1902-25T2-06	19			2							
IDSP1952-25T2-06	19.5			2							
IDSP2002-25T2-06	20			2							
IDSP2052-25T2-06	20.5			2							
IDSP2102-25T2-06	21			2							
IDSP2152-25T2-06	21.5	2									
IDSP2202-25T2-07	22	2	32	43	131	46	71	60	SPMG07T308	TS2511	TK08
IDSP2252-32T2-07	22.5	2									
IDSP2302-32T2-07	23	2									
IDSP2352-32T2-07	23.5	2									
IDSP2402-32T2-07	24	2									
IDSP2452-32T2-07	24.5	2									
IDSP2502-32T2-07	25	2									
IDSP2552-32T2-07	25.5	2									
IDSP2602-32T2-07	26	2									
IDSP2652-32T2-07	26.5	2									
IDSP2702-32T2-07	27	2									
IDSP2752-32T2-07	27.5	2									

### Product Specs

- 2×D Cutting depth
- High durable SDK holder body
- Internal Coolant
- Use with SPMG series inserts
- Indexable Insert with 4 sides cutting edge
- For Alloy Steel, Steel, Stainless Steel and Cast Iron.

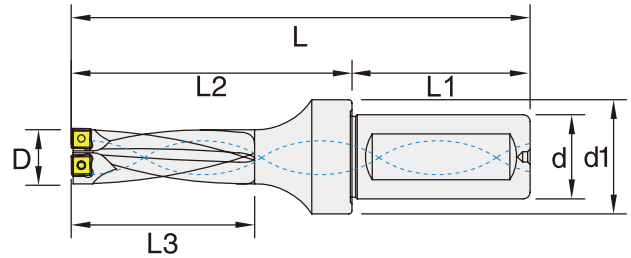


Item Code	Dimensions, mm							Teeth	Insert	Screw	Wrench
	D	d	d1	L	L3	L2	L1				
IDSP2802-32T2-09	28	32	43	144	56	84	60	2	SPMG090408	TS3504	TK15
IDSP2852-32T2-09	28.5			146	58	86		2			
IDSP2902-32T2-09	29			148	60	88		2			
IDSP2952-32T2-09	29.5			150	62	90		2			
IDSP3002-32T2-09	30			152	64	92		2			
IDSP3052-32T2-09	30.5			154	66	94		2			
IDSP3102-32T2-09	31			156	68	96		2			
IDSP3152-32T2-09	31.5			158	70	98		2			
IDSP3202-32T2-09	32			160	72	100		2			
IDSP3252-32T2-09	32.5			162	74	102		2			
IDSP3302-32T2-09	33			164	76	104		2			
IDSP3402-32T2-11	34			166	78	106		2			
IDSP3502-32T2-11	35			168	80	108		2			
IDSP3602-32T2-11	36			170	82	110		2			
IDSP3702-32T2-11	37			172	84	112		2			
IDSP3802-32T2-11	38			174	86	114		2			
IDSP3902-32T2-11	39	176	88	116	2						
IDSP4002-40T2-11	40	40	53	185	80	115	2	SPMG110408	TS4006	TK15	
IDSP4102-40T2-11	41			187	82	117	2				

Drilling

### Product Specs

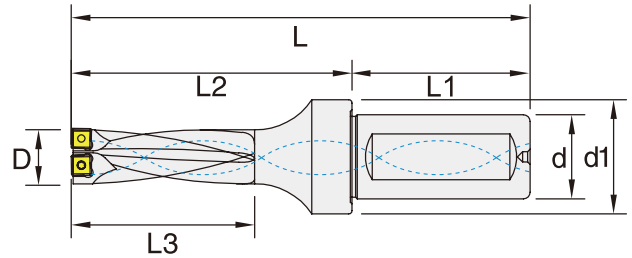
- 3×D Cutting depth
- High durable SDK holder body
- Internal Coolant
- Use with SPMG series inserts
- Indexable Insert with 4 sides cutting edge
- For Alloy Steel, Steel, Stainless Steel and Cast Iron.



Item Code	Dimensions, mm							Teeth	Insert	Screw	Wrench
	D	d	d1	L	L3	L2	L1				
IDSP1253-20T2-05	12.5	20	25	107	39	57	50	2	SPMG0502...	TS2003	TK06
IDSP1303-20T2-05	13			2							
IDSP1353-20T2-05	13.5			2							
IDSP1403-20T2-05	14			2							
IDSP1453-20T2-05	14.5			2							
IDSP1503-20T2-05	15			2							
IDSP1553-25T2-06	15.5	25	33	124	48	68	56	2	SPMG0602...	TS2202	TK06
IDSP1603-25T2-06	16			2							
IDSP1653-25T2-06	16.5			2							
IDSP1703-25T2-06	17			2							
IDSP1753-25T2-06	17.5			2							
IDSP1803-25T2-06	18			2							
IDSP1853-25T2-06	18.5			2							
IDSP1903-25T2-06	19			2							
IDSP1953-25T2-06	19.5			2							
IDSP2003-25T2-06	20			2							
IDSP2053-25T2-06	20.5			2							
IDSP2103-25T2-06	21	2									
IDSP2153-25T2-06	21.5	2									
IDSP2203-25T2-07	22	2	32	43	154	69	94	60	SPMG07T3...	TS2511	TK08
IDSP2253-32T2-07	22.5	2									
IDSP2303-32T2-07	23	2									
IDSP2353-32T2-07	23.5	2									
IDSP2403-32T2-07	24	2									
IDSP2453-32T2-07	24.5	2									
IDSP2503-32T2-07	25	2									
IDSP2553-32T2-07	25.5	2									
IDSP2603-32T2-07	26	2									
IDSP2653-32T2-07	26.5	2									
IDSP2703-32T2-07	27	2									
IDSP2753-32T2-07	27.5	2									

### Product Specs

- 3×D Cutting depth
- High durable SDK holder body
- Internal Coolant
- Use with SPMG series inserts
- Indexable Insert with 4 sides cutting edge
- For Alloy Steel, Steel, Stainless Steel and Cast Iron.



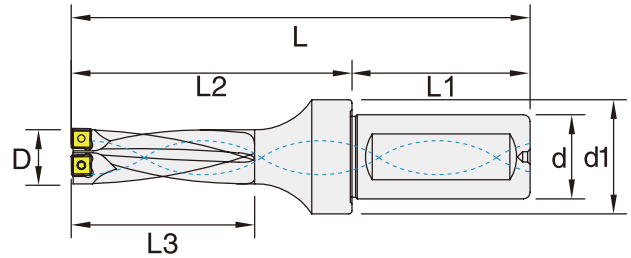
Item Code	Dimensions, mm							Teeth	Insert	Screw	Wrench				
	D	d	d1	L	L3	L2	L1								
IDSP2803-32T2-09	28	32	43	172	84	112	60	2	SPMG0904...	TS3504	TK15				
IDSP2853-32T2-09	28.5			2											
IDSP2903-32T2-09	29			2											
IDSP2953-32T2-09	29.5			2											
IDSP3003-32T2-09	30			2											
IDSP3053-32T2-09	30.5			2											
IDSP3103-32T2-09	31			2											
IDSP3153-32T2-09	31.5			2											
IDSP3203-32T2-09	32			2											
IDSP3253-32T2-09	32.5			2											
IDSP3303-32T2-09	33			2											
IDSP3403-32T2-11	34			2	190	102		130				2	SPMG1104...	TS4006	TK15
IDSP3503-32T2-11	35			2	193	105		133				2			
IDSP3603-32T2-11	36			2	196	108		136				2			
IDSP3703-32T2-11	37			2	199	111		139				2			
IDSP3803-32T2-11	38	2	202	114	142	2									
IDSP3903-32T2-11	39	2	205	117	145	2									
IDSP4003-40T2-11	40	40	53	225	120	155	2								
IDSP4103-40T2-11	41			228	123	158	2								

Drilling



### Product Specs

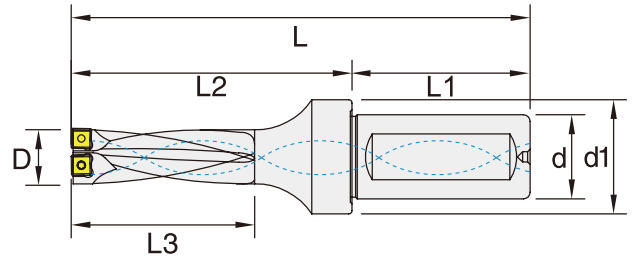
- 4×D Cutting depth
- High durable SDK holder body
- Internal Coolant
- Use with SPMG series inserts
- Indexable Insert with 4 sides cutting edge
- For Alloy Steel, Steel, Stainless Steel and Cast Iron.



Item Code	Dimensions, mm							Teeth	Insert	Screw	Wrench
	D	d	d1	L	L3	L2	L1				
IDSP1254-20T2-05	12.5	20	27	120	52	70	50	2	SPMG0502...	TS2003	TK06
IDSP1304-20T2-05	13			2							
IDSP1354-20T2-05	13.5			2							
IDSP1404-20T2-05	14			2							
IDSP1454-20T2-05	14.5			2							
IDSP1504-20T2-05	15			2							
IDSP1554-25T2-06	15.5	25	33	140	64	84	56	2	SPMG0602...	TS2205	TK06
IDSP1604-25T2-06	16			2							
IDSP1654-25T2-06	16.5			2							
IDSP1704-25T2-06	17			2							
IDSP1754-25T2-06	17.5			2							
IDSP1804-25T2-06	18			2							
IDSP1854-25T2-06	18.5			2							
IDSP1904-25T2-06	19			2							
IDSP1954-25T2-06	19.5			2							
IDSP2004-25T2-06	20			2							
IDSP2054-25T2-06	20.5	32	43	152	76	96	60	2	SPMG07T3...	TS2511	TK08
IDSP2104-25T2-06	21			2							
IDSP2154-25T2-06	21.5			2							
IDSP2204-25T2-07	22			2							
IDSP2254-32T2-07	22.5			2							
IDSP2304-32T2-07	23			2							
IDSP2354-32T2-07	23.5			2							
IDSP2404-32T2-07	24			2							
IDSP2454-32T2-07	24.5	32	43	185	100	125	60	2	SPMG07T3...	TS2511	TK08
IDSP2504-32T2-07	25			2							
IDSP2554-32T2-07	25.5			2							
IDSP2604-32T2-07	26			2							
IDSP2654-32T2-07	26.5			2							
IDSP2704-32T2-07	27			2							
IDSP2754-32T2-07	27.5	2									

### Product Specs

- 4×D Cutting depth
- High durable SDK holder body
- Internal Coolant
- Use with SPMG series inserts
- Indexable Insert with 4 sides cutting edge
- For Alloy Steel, Steel, Stainless Steel and Cast Iron.

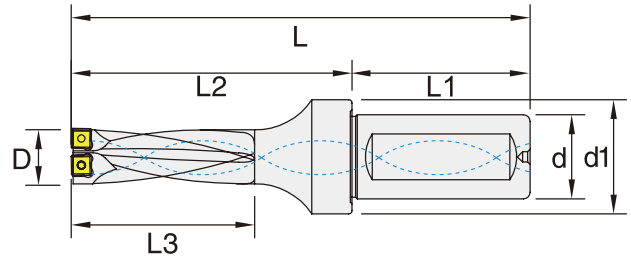


Item Code	Dimensions, mm							Teeth	Insert	Screw	Wrench
	D	d	d1	L	L3	L2	L1				
IDSP2804-32T2-09	28	32	43	200	112	140	60	2	SPMG0904...	TS3504	TK15
IDSP2854-32T2-09	28.5			204	116	144					
IDSP2904-32T2-09	29			208	120	148					
IDSP2954-32T2-09	29.5			212	124	152					
IDSP3004-32T2-09	30			216	128	156					
IDSP3054-32T2-09	30.5			220	132	160					
IDSP3104-32T2-09	31			224	136	164					
IDSP3154-32T2-09	31.5			228	140	168					
IDSP3204-32T2-09	32			232	144	172					
IDSP3254-32T2-09	32.5			236	148	176					
IDSP3304-32T2-09	33			240	152	180					
IDSP3404-32T2-11	34			244	156	184					
IDSP3504-32T2-11	35			248	160	188					
IDSP3604-32T2-11	36			252	164	192					
IDSP3704-32T2-11	37	256	168	196							
IDSP3804-32T2-11	38	260	172	200							
IDSP3904-32T2-11	39	264	176	204							
IDSP4004-40T2-11	40	40	53	265	160	195	2	SPMG1104...	TS4006	TK15	
IDSP4104-40T2-11	41			269	164	199	2				

Drilling

### Product Specs

- 5×D Cutting depth
- High durable SDK holder body
- Internal Coolant
- Use with SPMG series inserts
- Indexable Insert with 4 sides cutting edge
- For Alloy Steel, Steel, Stainless Steel and Cast Iron.



Item Code	Dimensions, mm							Teeth	Insert	Screw	Wrench
	D	d	d1	L	L3	L2	L1				
IDSP1305-20T2-05	13			133	65	83		2			
IDSP1405-20T2-05	14	20	27	138	70	88	50	2	SPMG0502...	TS2003	TK06
IDSP1505-20T2-05	15			144	75	94		2			
IDSP1605-25T2-06	16			156	80	100		2			
IDSP1705-25T2-06	17			161	85	105		2			
IDSP1805-25T2-06	18			166	90	110		2			
IDSP1905-25T2-06	19	25	33	171	95	115	56	2	SPMG0602	TS2205	TK06
IDSP2005-25T2-06	20			176	100	120		2			
IDSP2105-25T2-06	21			181	105	125		2			
IDSP2205-25T2-07	22			186	110	130		2			
IDSP2305-32T2-07	23			200	115	140		2			
IDSP2405-32T2-07	24			205	120	145		2	SPMG07T3	TS2511	TK08
IDSP2505-32T2-07	25			210	125	150		2			
IDSP2605-32T2-07	26			215	130	155		2			
IDSP2705-32T2-07	27			223	135	163		2			
IDSP2805-32T2-09	28			228	140	168		2			
IDSP2905-32T2-09	29	32	43	233	145	173	60	2			
IDSP3005-32T2-09	30			238	150	178		2	SPMG0904	TS3504	TK15
IDSP3105-32T2-09	31			243	155	183		2			
IDSP3205-32T2-09	32			248	160	188		2			
IDSP3305-32T2-09	33			253	165	193		2			
IDSP3405-32T2-11	34			258	170	198		2			
IDSP3505-32T2-11	35			263	175	203		2	SPMG1104	TS4006	TK15
IDSP3605-32T2-11	36			268	180	208		2			