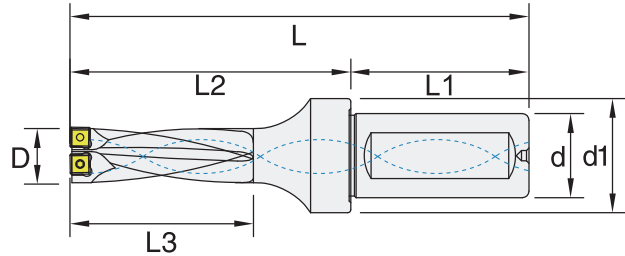


**Product Specs**

- 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			
IDSP2505-32T2-07	25			210	125	150		2	SPMG07T3	TS2511	TK08
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			233	145	173		2			
IDSP3005-32T2-09	30	32	43	238	150	178	60	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			

Inserts	Designation	Grade					Dimensions (mm)						Drawing
		CX21NS	CX31NA	CX31NS	CX41NS	CX41NA	A	B	S	r	d1	t1	
	P Steel	⊙	⊙	⊙	○	○							
	M Stainless steel	○	○	○	⊙	⊙							
	K Cast iron	⊙	○	○	○	○							

Material Legend		Dimension Legend												
⊙	1st choice	○	2nd choice											
	<b>SPMG 050204-MG</b>			✓	✓			5.00	-	2.38	0.4	2.30	-	
	<b>SPMG 060204-MG</b>			✓	✓			6.00	-	2.38	0.4	2.65	-	
	<b>SPMG 07T308-MG</b>			✓	✓			7.94	-	3.97	0.8	2.85	-	
	<b>SPMG 090408-MG</b>			✓	✓			9.80	-	4.3	0.8	4.05	-	
	<b>SPMG 110408-MG</b>			✓	✓			11.50	-	4.8	0.8	4.45	-	

Drilling

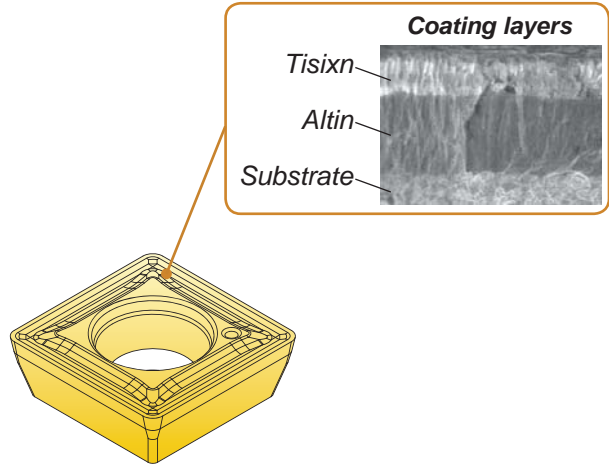
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# Grade Descriptions

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	Thin	★ ★	★	Medium Continuous
CX41NS	P20~P40 M20~M40 K30	90.0	TiSixN	Thin	★ ★	★	Rough Interrupted

## Chip breaker design

