

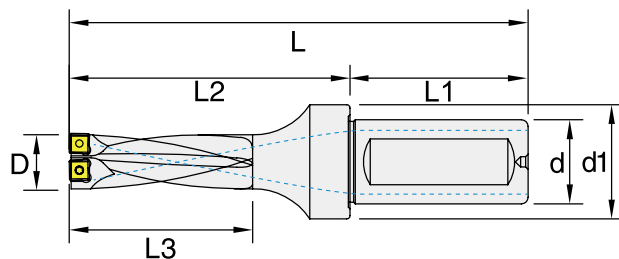
DSP - Indexable Drills · 2D 捨棄式鑽頭 · 2 倍深

Specification

- 2×D Cutting depth
- Internal Coolant
- Indexable Insert with 4 sides cutting edge
- High durable SKD holder body
- Use SPMG series inserts

規格

- 2 倍深
- 內冷卻孔
- 刀片含有 4 個切削角
- SKD 高耐久性刀體
- 使用 SPMG 刀片



Insert Brand : Winstar, Taegutec, ...

Order No.	Dimensions, mm							T	Insert	Screw	Wrench	Stock
	D	d	d1	L	L3	L2	L1					
IDSP125220T205	12.5	20	27	94	26	44	50	2	SPMG0502	ITS2003	ITK06	○
IDSP130220T205	13			94	26	44		2				●
IDSP135220T205	13.5			96	28	46		2				○
IDSP140220T205	14			96	28	46		2				●
IDSP145220T205	14.5			99	30	49		2				○
IDSP150220T205	15			99	30	49		2				●
IDSP155225T206	15.5	25	33	108	32	52	56	2	SPMG0602	ITS2205	ITK06	○
IDSP160225T206	16			108	32	52		2				●
IDSP165225T206	16.5			110	34	54		2				○
IDSP170225T206	17			110	34	54		2				●
IDSP175225T206	17.5			113	36	57		2				○
IDSP180225T206	18			113	36	57		2				●
IDSP185225T206	18.5			115	38	59		2				○
IDSP190225T206	19			115	38	59		2				●
IDSP195225T206	19.5			119	40	63		2				○
IDSP200225T206	20			119	40	63		2				●
IDSP205225T206	20.5			121	42	65		2				○
IDSP210225T206	21			121	42	65		2				●
IDSP215225T206	21.5			123	44	67		2				○
IDSP220225T207	22			123	44	67		2				●
IDSP225232T207	22.5	32	43	131	46	71	60	2	SPMG07T308	ITS2511	ITK08	○
IDSP230232T207	23			131	46	71		2				●
IDSP235232T207	23.5			134	48	74		2				○
IDSP240232T207	24			134	48	74		2				●
IDSP245232T207	24.5			137	50	77		2				○
IDSP250232T207	25			137	50	77		2				●
IDSP255232T207	25.5			139	52	79		2				○
IDSP260232T207	26			139	52	79		2				●
IDSP265232T207	26.5			142	54	81		2				○
IDSP270232T207	27			142	54	81		2				●
IDSP275232T207	27.5	144	56	84	2	○						

● stock ○ by inquiry

Holemaking

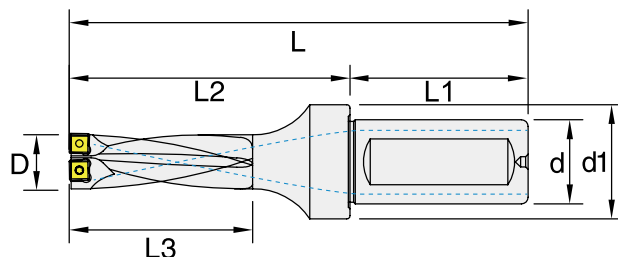
DSP - Indexable Drills · 2D 捨棄式鑽頭 · 2 倍深

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Insert Brand : Winstar, Taegutec, ...

Order No.	Dimensions, mm							T	Insert	Screw	Wrench	Stock
	D	d	d1	L	L3	L2	L1					
IDSP280232T209	28	32	43	144	56	84	60	2	SPMG090408	ITS3504	ITK15	●
IDSP285232T209	28.5			2	○							
IDSP290232T209	29			2	●							
IDSP295232T209	29.5			2	○							
IDSP300232T209	30			2	●							
IDSP305232T209	30.5			2	○							
IDSP310232T209	31			2	●							
IDSP315232T209	31.5			2	○							
IDSP320232T209	32			2	●							
IDSP325232T209	32.5			2	○							
IDSP330232T209	33			2	●							
IDSP340232T211	34			2	●							
IDSP350232T211	35			2	●							
IDSP360232T211	36	2	●									
IDSP370232T211	37	2	●									
IDSP380232T211	38	2	●									
IDSP390232T211	39	2	●									
IDSP400240T211	40	40	53	185	80	115	2	SPMG110408	ITS4006	ITK15	●	
IDSP410240T211	41			187	82	117	2				○	

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DSP - Indexable Drills · 3D

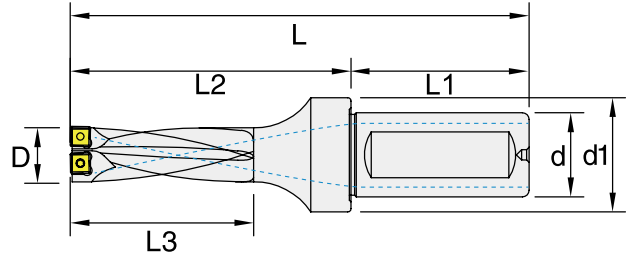
捨棄式鑽頭 · 3 倍深

Specification

- 3×D Cutting depth
- High durable SKD holder body
- Internal Coolant
- Use SPMG series inserts
- Indexable Insert with 4 sides cutting edge

規格

- 3 倍深
- 內冷卻孔
- 刀片含有 4 個切削角
- SKD 高耐久性刀體
- 使用 SPMG 刀片



Insert Brand : Winstar, Taegutec, ...

Order No.	Dimensions, mm							T	Insert	Screw	Wrench	Stock
	D	d	d1	L	L3	L2	L1					
IDSP125320T205	12.5	20	25	107	39	57	50	2	SPMG0502	ITS2003	ITK06	○
IDSP130320T205	13			110	42	60		2				●
IDSP135320T205	13.5			110	42	60		2				○
IDSP140320T205	14			110	42	60		2				●
IDSP145320T205	14.5			110	42	60		2				○
IDSP150320T205	15			110	42	60		2				●
IDSP155325T206	15.5	25	33	124	48	68	56	2	SPMG0602	ITS2205	ITK06	○
IDSP160325T206	16			127	51	71		2				●
IDSP165325T206	16.5			127	51	71		2				○
IDSP170325T206	17			127	51	71		2				●
IDSP175325T206	17.5			131	54	75		2				○
IDSP180325T206	18			131	54	75		2				●
IDSP185325T206	18.5			134	57	78		2				○
IDSP190325T206	19			134	57	78		2				●
IDSP195325T206	19.5			139	60	83		2				○
IDSP200325T206	20			139	60	83		2				●
IDSP205325T206	20.5			142	63	86		2				○
IDSP210325T206	21			142	63	86		2				●
IDSP215325T206	21.5			145	66	89		2				○
IDSP220325T207	22			145	66	89		2				●
IDSP225332T207	22.5	32	43	154	69	94	60	2	SPMG07T3	ITS2511	ITK08	○
IDSP230332T207	23			158	72	98		2				●
IDSP235332T207	23.5			158	72	98		2				○
IDSP240332T207	24			162	75	102		2				●
IDSP245332T207	24.5			162	75	102		2				○
IDSP250332T207	25			165	78	105		2				●
IDSP255332T207	25.5			165	78	105		2				○
IDSP260332T207	26			169	81	108		2				●
IDSP265332T207	26.5			169	81	108		2				○
IDSP270332T207	27			172	84	112		2				●
IDSP275332T207	27.5	172	84	112	2	○						

● stock ○ by inquiry

Holemaking

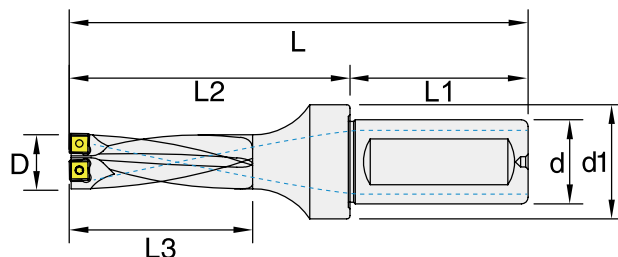
DSP - Indexable Drills · 3D 捨棄式鑽頭 · 3 倍深

Specification

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- Internal Coolant
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- Use SPMG series inserts

規格

- 3 倍深
- 內冷卻孔
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- SKD 高耐久性刀體
- 使用 SPMG 刀片



Insert Brand : Winstar, Taegutec, ...

Order No.	Dimensions, mm							T	Insert	Screw	Wrench	Stock
	D	d	d1	L	L3	L2	L1					
IDSP280332T209	28	32	43	172	84	112	60	2	SPMG0904	ITS3504	ITK15	●
IDSP285332T209	28.5			175	87	115		2				○
IDSP290332T209	29			178	90	118		2				●
IDSP295332T209	29.5			181	93	121		2				○
IDSP300332T209	30			184	96	124		2				●
IDSP305332T209	30.5			187	99	127		2				○
IDSP310332T209	31			190	102	130		2				●
IDSP315332T209	31.5			193	105	133		2				○
IDSP320332T209	32			196	108	136		2				●
IDSP325332T209	32.5			199	111	139		2				○
IDSP330332T209	33			202	114	142		2				●
IDSP340332T211	34			205	117	145		2				○
IDSP350332T211	35			225	120	155		2				●
IDSP360332T211	36			228	123	158		2				○
IDSP370332T211	37			40	53	225		120				155
IDSP380332T211	38	○										
IDSP390332T211	39	●										
IDSP400340T211	40	○										
IDSP410340T211	41	○										

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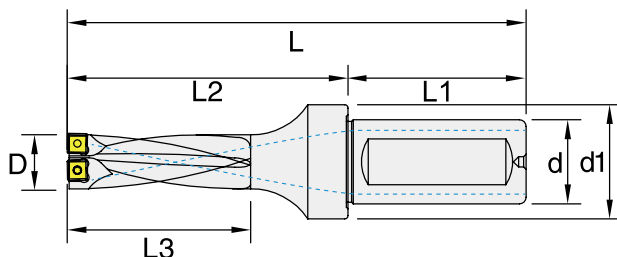
DSP - Indexable Drills · 4D 捨棄式鑽頭 · 4 倍深

Specification

- 4×D Cutting depth
- High durable SKD holder body
- Internal Coolant
- Use SPMG series inserts
- Indexable Insert with 4 sides cutting edge

規格

- 4 倍深
- 內冷卻孔
- 刀片含有 4 個切削角
- SKD 高耐久性刀體
- 使用 SPMG 刀片



Insert Brand : Winstar, Taegutec, ...

Order No.	Dimensions, mm							T	Insert	Screw	Wrench	Stock
	D	d	d1	L	L3	L2	L1					
IDSP125420T205	12.5	20	27	120	52	70	50	2	SPMG0502	ITS2003	ITK06	○
IDSP130420T205	13			120	52	70		2				●
IDSP135420T205	13.5			124	56	74		2				○
IDSP140420T205	14			124	56	74		2				●
IDSP145420T205	14.5			129	60	79		2				○
IDSP150420T205	15			129	60	79		2				●
IDSP155425T206	15.5	25	33	140	64	84	56	2	SPMG0602	ITS2205	ITK06	○
IDSP160425T206	16			140	64	84		2				●
IDSP165425T206	16.5			144	68	88		2				○
IDSP170425T206	17			144	68	88		2				●
IDSP175425T206	17.5			148	72	92		2				○
IDSP180425T206	18			148	72	92		2				●
IDSP185425T206	18.5			152	76	96		2				○
IDSP190425T206	19			152	76	96		2				●
IDSP195425T206	19.5			156	80	100		2				○
IDSP200425T206	20			156	80	100		2				●
IDSP205425T206	20.5			160	84	104		2				○
IDSP210425T206	21			160	84	104		2				●
IDSP215425T206	21.5			164	88	108		2				○
IDSP220425T207	22			164	88	108		2				●
IDSP225432T207	22.5	32	43	177	92	117	60	2	SPMG07T3	ITS2511	ITK08	○
IDSP230432T207	23			177	92	117		2				●
IDSP235432T207	23.5			181	96	121		2				○
IDSP240432T207	24			181	96	121		2				●
IDSP245432T207	24.5			185	100	125		2				○
IDSP250432T207	25			185	100	125		2				●
IDSP255432T207	25.5			189	104	129		2				○
IDSP260432T207	26			189	104	129		2				●
IDSP265432T207	26.5			196	108	136		2				○
IDSP270432T207	27			196	108	136		2				●
IDSP275432T207	27.5	200	112	140	2	○						

● stock ○ by inquiry

Holemaking

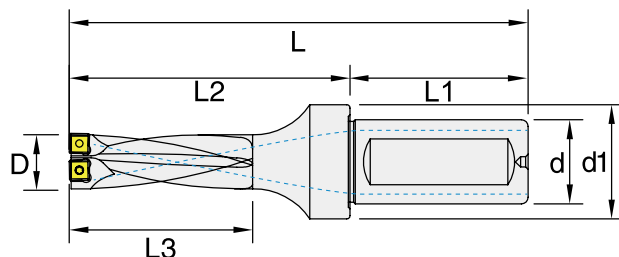
DSP - Indexable Drills · 4D 捨棄式鑽頭 · 4 倍深

Specification

- 4×D Cutting depth
- Internal Coolant
- Indexable Insert with 4 sides cutting edge
- High durable SKD holder body
- Use SPMG series inserts

規格

- 4 倍深
- 內冷卻孔
- 刀片含有 4 個切削角
- SKD 高耐久性刀體
- 使用 SPMG 刀片



Insert Brand : Winstar, Taegutec, ...

Order No.	Dimensions, mm							T	Insert	Screw	Wrench	Stock
	D	d	d1	L	L3	L2	L1					
IDSP280432T209	28	32	43	200	112	140	60	2	SPMG0904	TS3504	TK15	●
IDSP285432T209	28.5			2	○							
IDSP290432T209	29			2	●							
IDSP295432T209	29.5			2	○							
IDSP300432T209	30			2	●							
IDSP305432T209	30.5			2	○							
IDSP310432T209	31			2	●							
IDSP315432T209	31.5			2	○							
IDSP320432T209	32			2	●							
IDSP325432T209	32.5			2	○							
IDSP330432T209	33			2	●							
IDSP340432T211	34			2	●							
IDSP350432T211	35			2	●							
IDSP360432T211	36			2	●							
IDSP370432T211	37			2	●							
IDSP380432T211	38	2	●									
IDSP390432T211	39	2	●									
IDSP400440T211	40	40	53	265	160	195	2	SPMG1104	TS4006	TK15	●	
IDSP410440T211	41			269	164	199	2				○	

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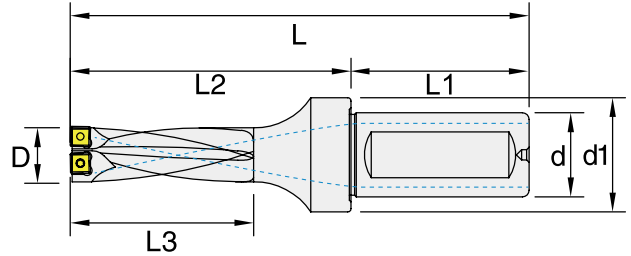
DSP - Indexable Drills · 5D 捨棄式鑽頭 · 5 倍深

Specification

- 5×D Cutting depth
- Internal Coolant
- Indexable Insert with 4 sides cutting edge
- High durable SKD holder body
- Use SPMG series inserts

規格

- 5 倍深
- 內冷卻孔
- 刀片含有 4 個切削角
- SKD 高耐久性刀體
- 使用 SPMG 刀片



Insert Brand : Winstar, Taegutec, ...

Order No.	Dimensions, mm							T	Insert	Screw	Wrench	Stock			
	D	d	d1	L	L3	L2	L1								
IDSP130520T205	13	20	27	133	65	83	50	2	SPMG0502	ITS2003	ITK06	<input type="radio"/>			
IDSP140520T205	14			138	70	88		2				<input type="radio"/>			
IDSP150520T205	15			144	75	94		2				<input type="radio"/>			
IDSP160525T206	16	25	33	156	80	100	56	2	SPMG0602	ITS2205	ITK06	<input type="radio"/>			
IDSP170525T206	17			161	85	105		2				<input type="radio"/>			
IDSP180525T206	18			166	90	110		2				<input type="radio"/>			
IDSP190525T206	19			171	95	115		2				<input type="radio"/>			
IDSP200525T206	20			176	100	120		2				<input type="radio"/>			
IDSP210525T206	21			181	105	125		2				<input type="radio"/>			
IDSP220525T207	22			186	110	130		2				<input type="radio"/>			
IDSP230532T207	23			200	115	140		2				<input type="radio"/>			
IDSP240532T207	24	205	120	145	2	SPMG07T3	ITS2511	ITK08	<input type="radio"/>						
IDSP250532T207	25	210	125	150	2				<input type="radio"/>						
IDSP260532T207	26	215	130	155	2				<input type="radio"/>						
IDSP270532T207	27	223	135	163	2	<input type="radio"/>									
IDSP280532T209	28	32	43	228	140	168	60	2	SPMG0904	ITS3504	ITK15	<input type="radio"/>			
IDSP290532T209	29			233	145	173		2				<input type="radio"/>			
IDSP300532T209	30			238	150	178		2				<input type="radio"/>			
IDSP310532T209	31			243	155	183		2				<input type="radio"/>			
IDSP320532T209	32			248	160	188		2				<input type="radio"/>			
IDSP330532T209	33			253	165	193		2				<input type="radio"/>			
IDSP340532T211	34			258	170	198		2				SPMG1104	ITS4006	ITK15	<input type="radio"/>
IDSP350532T211	35			263	175	203		2							<input type="radio"/>
IDSP360532T211	36	268	180	208	2	<input type="radio"/>									

● stock ○ by inquiry

Holemaking

DSP - Indexable Drill Inserts 捨棄式鑽頭刀片

Insert Specifications 刀片規格

Insert	Dimensions (mm)				
	A	B	S	r	d1
SPG050204	5.00	2.38	0.4	2.30	2.8
SPG060204	6.00	2.38	0.4	2.65	3.0
SPG07T308	7.94	3.97	0.8	2.85	3.4
SPG090408	9.80	4.3	0.8	4.05	4.0
SPG110408	11.50	4.8	0.8	4.45	4.3

Insert Geometry 刀片幾何

Shape 形狀	Chipbreaker 斷屑槽	Application 應用
	SG	Sharp geometry design for semi-finishing cutting in stainless steel and non-ferrous materials. 鋒利的刀口設計，適用於不鏽鋼及非鐵金屬的半精加工應用
	MG	Low cutting force for medium cutting in steel, stainless steel and cast iron. 低切削阻力的刀口設計，適用於鋼件、不鏽鋼和鑄鐵的中加工應用

Recommended Cutting Conditions 建議切削數據

DSP Series (2×D, 3×D)

Work Material	Hardness	Vc (m/min)	Feed Rate (mm/rev)				
			SPMG05 Ø13-Ø15	SPMG06 Ø16-Ø21	SPMG07 Ø22-Ø27	SPMG09 Ø28-Ø33	SPMG11 Ø34-Ø41
P	Mild Steel (<180HB)	120~250	0.04~0.08	0.05~0.10	0.06~0.13	0.07~0.15	0.08~0.18
	Carbon Steel (180~280HB)	100~150	0.04~0.08	0.05~0.09	0.06~0.12	0.07~0.13	0.08~0.15
	Alloy Steel (280~350HB)	80~140	0.04~0.07	0.05~0.08	0.05~0.09	0.06~0.12	0.07~0.14
M	Stainless Steel (<200HB)	80~180	0.04~0.08	0.05~0.09	0.05~0.10	0.06~0.12	0.07~0.14
K	Cast Iron (<350Mpa)	110~190	0.05~0.09	0.07~0.12	0.08~0.15	0.09~0.17	0.12~0.20
	Ductile Cast Iron (<450Mpa)	100~160	0.05~0.08	0.06~0.11	0.07~0.13	0.08~0.15	0.10~0.18
N	Aluminum <12% Si	300~400	0.05~0.11	0.07~0.13	0.08~0.15	0.09~0.20	0.12~0.25
	Aluminum >12% Si	200~330	0.04~0.08	0.05~0.10	0.06~0.13	0.07~0.15	0.08~0.18
S	Heat Resistant Alloy	30~60	0.02~0.04	0.03~0.05	0.03~0.05	0.04~0.06	0.05~0.08
H	Hardened Material 40~60HRC	30~60	0.02~0.04	0.03~0.05	0.03~0.05	0.04~0.06	0.05~0.08

Apply for 4×D reduce 10%, 5×D reduce 15%.

DSP - Indexable Drill Inserts 捨棄式鑽頭刀片

Insert Designation 刀片型號

Insert	Order No.	Code-Chipbreaker-Grade	Working Material					
			P	M	K	N	S	H
	ISPGG050204SG33TX	SPGG050204-SG-CX33TX	○	●	○	●	○	
	ISPGG060204SG33TX	SPGG060204-SG-CX33TX	○	●	○	●	○	
	ISPGG07T304SG33TX	SPGG070304-SG-CX33TX	○	●	○	●	○	
	ISPGG090408SG33TX	SPGG090408-SG-CX33TX	○	●	○	●	○	
	ISPGG110408SG33TX	SPGG110408-SG-CX33TX	○	●	○	●	○	
	ISPMG050204MG32HS	SPMG050204-MG-CX32HS	●	○	●			
	ISPMG050204MG33TX	SPMG050204-MG-CX33TX	●	○	●		○	●
	ISPMG050204MG43TX	SPMG050204-MG-CX43TX	●	●	○		●	
	ISPMG060204MG32HS	SPMG060204-MG-CX32HS	●	○	●			
	ISPMG060204MG33TX	SPMG060204-MG-CX33TX	●	○	●		○	●
	ISPMG060204MG43TX	SPMG060204-MG-CX43TX	●	●	○		●	
	ISPMG07T308MG32HS	SPMG07T308-MG-CX32HS	●	○	●			
	ISPMG07T308MG33TX	SPMG07T308-MG-CX33TX	●	○	●		○	●
	ISPMG07T308MG43TX	SPMG07T308-MG-CX43TX	●	●	○		●	
	ISPMG090408MG32HS	SPMG090408-MG-CX32HS	●	○	●			
	ISPMG090408MG33TX	SPMG090408-MG-CX33TX	●	○	●		○	●
	ISPMG090408MG43TX	SPMG090408-MG-CX43TX	●	●	○		●	
	ISPMG110408MG32HS	SPMG110408-MG-CX32HS	●	○	●			
	ISPMG110408MG33TX	SPMG110408-MG-CX33TX	●	○	●		○	●
	ISPMG110408MG43TX	SPMG110408-MG-CX43TX	●	●	○		●	

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