

DSP Series

SPMG Inserts - internal coolant, 4 cutting edges.....B053
DSP 2D Holders.....B055
DSP 3D Holders.....B057
DSP 4D Holders.....B059
DSP 5D Holders.....B061

DWC Series

WCMT Inserts - internal coolant, 3 cutting edges.....B064
DWC 2D Holders.....B066
DWC 3D Holders.....B068
DWC 4D Holders.....B070
DWC 5D Holders.....B072



DSP Series



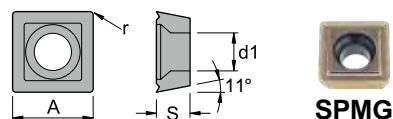
Features

- SPMG series inserts
- Optimized flute design
- Internal coolant
- Better tool life
- Self-Produced inserts
- Diameter 12.5-50 mm


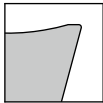

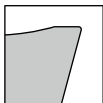
DSP Series

■ Insert Specifications

Insert	Dimensions (mm)			
	A	S	r	d1
SPMG050204	5.00	2.38	0.4	2.30
SPMG060204	6.00	2.38	0.4	2.65
SPMG07T308	7.94	3.97	0.8	2.85
SPMG090408	9.80	4.3	0.8	4.05
SPMG110408	11.50	4.8	0.8	4.45



■ Insert Geometry

Shape	Chipbreaker	Application
	 MG	Low cutting force for medium cutting in steel, stainless and cast iron.
	 RG	Strong geometry design for rough cutting in steel, alloy steel and hardened steel.

■ Insert Grade

Grade Type	Coating Type	Properties	Application	Working Material						Industry Area	
				P	M	K	N	S	H		
CX32HS	PVD	<ul style="list-style-type: none"> Wear resistance Impact resistance 	<ul style="list-style-type: none"> Medium machining For Carbon steel, Alloy steel, Stainless steel and High temperature alloy 	●	●	●			○	○	<ul style="list-style-type: none"> Auto parts Machinery parts Aircraft parts
CX33TS				●	●	●			●	●	
CX43TS	PVD	<ul style="list-style-type: none"> High Impact resistance High toughness 	<ul style="list-style-type: none"> Roughing or interrupted machining For Carbon steel, Alloy steel, Stainless steel and High temperature alloy 	●	●	●			●		<ul style="list-style-type: none"> Auto parts Machinery parts Aircraft parts

※ Different grades for various applications are available to select, please contact us for more information.

DSP Series

Insert Order Code

Insert	Order No.	Designation	Working Material					
			P	M	K	N	S	H
	ISPMG050204MG32HS	SPMG050204-MG-CX32HS	●	●	●		○	○
	ISPMG050204MG33TS	SPMG050204-MG-CX33TS	●	●	●		●	●
	ISPMG050204MG43TS	SPMG050204-MG-CX43TS	●	●	●		●	
	ISPMG060204MG32HS	SPMG060204-MG-CX32HS	●	●	●		○	○
	ISPMG060204MG33TS	SPMG060204-MG-CX33TS	●	●	●		●	●
	ISPMG060204MG43TS	SPMG060204-MG-CX43TS	●	●	●		●	
	ISPMG07T308MG32HS	SPMG07T308-MG-CX32HS	●	●	●		○	○
	ISPMG07T308MG33TS	SPMG07T308-MG-CX33TS	●	●	●		●	●
	ISPMG07T308MG43TS	SPMG07T308-MG-CX43TS	●	●	●		●	
	ISPMG090408MG32HS	SPMG090408-MG-CX32HS	●	●	●		○	○
	ISPMG090408MG33TS	SPMG090408-MG-CX33TS	●	●	●		●	●
	ISPMG090408MG43TS	SPMG090408-MG-CX43TS	●	●	●		●	
	ISPMG090408RG32HS	SPMG090408-RG-CX32HS	●	●	●		○	○
	ISPMG090408RG33TS	SPMG090408-RG-CX33TS	●	●	●		●	●
	ISPMG090408RG43TS	SPMG090408-RG-CX43TS	●	●	●		●	
	ISPMG110408MG32HS	SPMG110408-MG-CX32HS	●	●	●		○	○
	ISPMG110408MG33TS	SPMG110408-MG-CX33TS	●	●	●		●	●
	ISPMG110408MG43TS	SPMG110408-MG-CX43TS	●	●	●		●	
	ISPMG110408RG32HS	SPMG110408-RG-CX32HS	●	●	●		○	○
	ISPMG110408RG33TS	SPMG110408-RG-CX33TS	●	●	●		●	●
	ISPMG110408RG43TS	SPMG110408-RG-CX43TS	●	●	●		●	

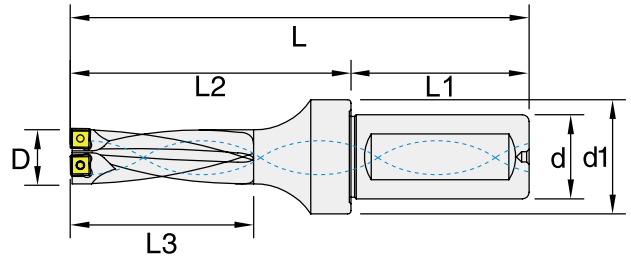
Holemaking

Indexable Drills

DSP - 2D

Specification

- 2xD 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.



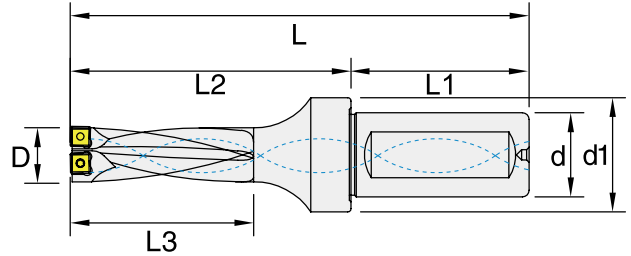
Order No.	Dimensions, mm							T	Insert	Screw	Wrench	Stock
	D	d	d1	L	L3	L2	L1					
IDSP125220T205	12.5	20	27	94	26	44	50	2	SPMG0502	ITS2003	ITK06	○
IDSP130220T205	13			96	28	46		2				●
IDSP135220T205	13.5			99	30	49		2				○
IDSP140220T205	14			2	2	2		2				○
IDSP145220T205	14.5			2	2	2		2				○
IDSP150220T205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

● stock ○ by inquiry

DSP - 2D

Specification

- 2xD 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.



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			146	58	86		2				
IDSP290232T209	29			148	60	88		2				
IDSP295232T209	29.5			150	62	90		2				
IDSP300232T209	30			152	64	92		2				
IDSP305232T209	30.5			154	66	94		2				
IDSP310232T209	31			156	68	96		2				
IDSP315232T209	31.5			158	70	98		2				
IDSP320232T209	32			160	72	100		2				
IDSP325232T209	32.5			162	74	102		2				
IDSP330232T209	33			164	76	104		2				
IDSP340232T211	34			166	78	106		2				
IDSP350232T211	35			168	80	108		2				
IDSP360232T211	36			170	82	110		2				
IDSP370232T211	37	172	84	112	2							
IDSP380232T211	38	174	86	114	2							
IDSP390232T211	39	176	88	116	2							
IDSP400240T211	40	40	53	185	80	115	2	SPMG110408	ITS4006	ITK15	●	
IDSP410240T211	41			187	82	117	2				○	

● stock ○ by inquiry

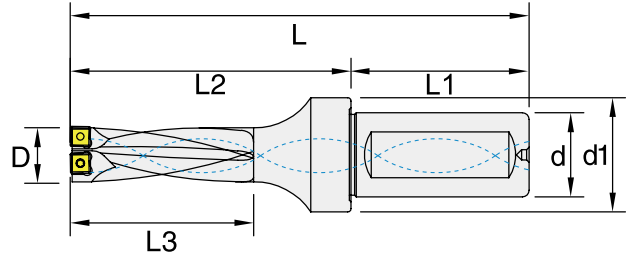
Holmaking

Indexable Drills

DSP - 3D

Specification

- 3xD 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.



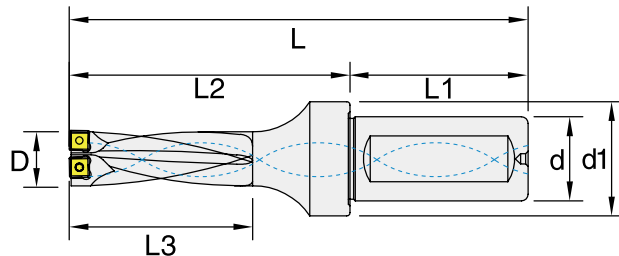
Order No.	Dimensions, mm							T	Insert	Screw	Wrench	Stock
	D	d	d1	L	L3	L2	L1					
IDSP125320T205	12.5	20	25	107	39	57	50	2	SPMG0502	ITS2003	ITK06	○
IDSP130320T205	13			2	●							
IDSP135320T205	13.5			2	○							
IDSP140320T205	14			2	●							
IDSP145320T205	14.5			2	○							
IDSP150320T205	15			2	●							
IDSP155325T206	15.5	25	33	124	48	68	56	2	SPMG0602	ITS2205	ITK06	○
IDSP160325T206	16			2	●							
IDSP165325T206	16.5			2	○							
IDSP170325T206	17			2	●							
IDSP175325T206	17.5			2	○							
IDSP180325T206	18			2	●							
IDSP185325T206	18.5			2	○							
IDSP190325T206	19			2	●							
IDSP195325T206	19.5			2	○							
IDSP200325T206	20			2	●							
IDSP205325T206	20.5			2	○							
IDSP210325T206	21			2	●							
IDSP215325T206	21.5			2	○							
IDSP220325T207	22			2	●							
IDSP225332T207	22.5	32	43	154	69	94	60	2	SPMG07T3	ITS2511	ITK08	○
IDSP230332T207	23			2	●							
IDSP235332T207	23.5			2	○							
IDSP240332T207	24			2	●							
IDSP245332T207	24.5			2	○							
IDSP250332T207	25			2	●							
IDSP255332T207	25.5			2	○							
IDSP260332T207	26			2	●							
IDSP265332T207	26.5			2	○							
IDSP270332T207	27			2	●							
IDSP275332T207	27.5	2	○									

● stock ○ by inquiry

DSP - 3D

Specification

- 3xD 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.



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			208	120	148		2				
IDSP360332T211	36			211	123	151		2				
IDSP370332T211	37	214	126	154	2							
IDSP380332T211	38	217	129	157	2							
IDSP390332T211	39	220	132	160	2							
IDSP400340T211	40	40	53	225	120	155	2					
IDSP410340T211	41	41	54	228	123	158	2					

● stock ○ by inquiry

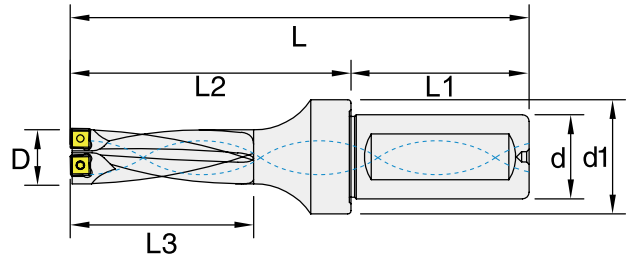
Holmaking

Indexable Drills

DSP - 4D

Specification

- 4xD 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.



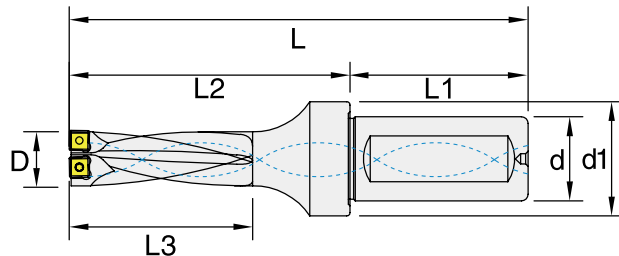
Order No.	Dimensions, mm							T	Insert	Screw	Wrench	Stock
	D	d	d1	L	L3	L2	L1					
IDSP125420T205	12.5	20	27	120	52	70	50	2	SPMG0502	ITS2003	ITK06	○
IDSP130420T205	13							2				●
IDSP135420T205	13.5							2				○
IDSP140420T205	14			2	●							
IDSP145420T205	14.5			2	○							
IDSP150420T205	15			2	●							
IDSP155425T206	15.5	25	33	140	64	84	56	2	SPMG0602	ITS2205	ITK06	○
IDSP160425T206	16							2				●
IDSP165425T206	16.5							2				○
IDSP170425T206	17			2	●							
IDSP175425T206	17.5			2	○							
IDSP180425T206	18			2	●							
IDSP185425T206	18.5			2	○							
IDSP190425T206	19			2	●							
IDSP195425T206	19.5			2	○							
IDSP200425T206	20			2	●							
IDSP205425T206	20.5			2	○							
IDSP210425T206	21			2	●							
IDSP215425T206	21.5			2	○							
IDSP220425T207	22			2	●							
IDSP225432T207	22.5	32	43	177	92	117	60	2	SPMG07T3	ITS2511	ITK08	○
IDSP230432T207	23							2				●
IDSP235432T207	23.5							2				○
IDSP240432T207	24			2	●							
IDSP245432T207	24.5			2	○							
IDSP250432T207	25			2	●							
IDSP255432T207	25.5			2	○							
IDSP260432T207	26			2	●							
IDSP265432T207	26.5			2	○							
IDSP270432T207	27			2	●							
IDSP275432T207	27.5	2	○									

● stock ○ by inquiry

DSP - 4D

Specification

- 4xD 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.



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			204	116	144		2				
IDSP290432T209	29			208	120	148		2				
IDSP295432T209	29.5			212	124	152		2				
IDSP300432T209	30			216	128	156		2				
IDSP305432T209	30.5			220	132	160		2				
IDSP310432T209	31			224	136	164		2				
IDSP315432T209	31.5			228	140	168		2				
IDSP320432T209	32			232	144	172		2				
IDSP325432T209	32.5			236	148	176		2				
IDSP330432T209	33			240	152	180		2				
IDSP340432T211	34			244	156	184		2				
IDSP350432T211	35			249	160	195		2				
IDSP360432T211	36			254	164	199		2				
IDSP370432T211	37											●
IDSP380432T211	38											●
IDSP390432T211	39											●
IDSP400440T211	40	40	53	265	160	195	2		SPMG1104	TS4006	TK15	●
IDSP410440T211	41			269	164	199	2					○

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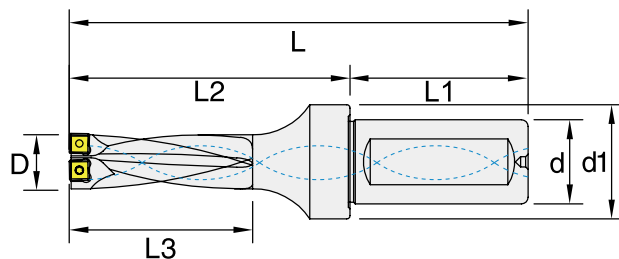
Hotmaking

Indexable Drills

DSP - 5D

Specification

- 5xD 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.



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	○
IDSP140520T205	14			138	70	88		2				○
IDSP150520T205	15			144	75	94		2				○
IDSP160525T206	16	25	33	156	80	100	56	2	SPMG0602	ITS2205	ITK06	○
IDSP170525T206	17			161	85	105		2				○
IDSP180525T206	18			166	90	110		2				○
IDSP190525T206	19			171	95	115		2				○
IDSP200525T206	20			176	100	120		2				○
IDSP210525T206	21			181	105	125		2				○
IDSP220525T207	22			186	110	130		2				○
IDSP230532T207	23			191	115	135		2				○
IDSP240532T207	24	32	43	200	115	140	60	2	SPMG07T3	ITS2511	ITK08	○
IDSP250532T207	25			205	120	145		2				○
IDSP260532T207	26			210	125	150		2				○
IDSP270532T207	27			215	130	155		2				○
IDSP280532T209	28			223	135	163		2				○
IDSP290532T209	29			228	140	168		2	SPMG0904	ITS3504	ITK15	○
IDSP300532T209	30			233	145	173		2				○
IDSP310532T209	31			238	150	178		2				○
IDSP320532T209	32			243	155	183		2				○
IDSP330532T209	33			248	160	188		2				○
IDSP340532T211	34	253	165	193	2	SPMG1104	ITS4006	ITK15	○			
IDSP350532T211	35	258	170	198	2				○			
IDSP360532T211	36	263	175	203	2				○			
IDSP360532T211	36	268	180	208	2				○			

● stock ○ by inquiry

Recommended Cutting Conditions

DSP Series (2xD, 3xD)

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)	220~350	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)	150~250	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 4xD reduce 10%, 5xD reduce 15%.

DWC Series



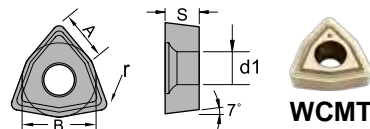
Features

- WCMT series inserts
- Optimized flute design
- Internal coolant
- Better tool life
- Self-Produced inserts
- Diameter 14-60 mm

DWC Series

Insert Specifications

Insert	Dimensions (mm)				
	A	B	S	r	d1
WCMT030208	3.8	5.56	2.38	0.8	2.8
WCMT040208	4.3	6.35	2.38	0.8	3.0
WCMT050308	5.4	7.94	3.18	0.8	3.4
WCMT06T308	6.5	9.53	3.97	0.8	4.0
WCMT080412	8.7	12.7	4.76	1.2	4.3



Insert Geometry

Shape	Chipbreaker	Application
	MM	Low cutting force for medium cutting in steel, stainless and cast iron.






Insert Grade

Grade Type	Coating Type	Properties	Application	Working Material						Industry Area
				P	M	K	N	S	H	
CX32HS	PVD	<ul style="list-style-type: none"> Wear resistance Impact resistance 	<ul style="list-style-type: none"> Medium machining For Carbon steel, Alloy steel, Stainless steel and High temperature alloy 	●	●	●		○	○	<ul style="list-style-type: none"> Auto parts Machinery parts Aircraft parts
CX33TS				●	●	●		●	●	
CX43TS	PVD	<ul style="list-style-type: none"> High Impact resistance High toughness 	<ul style="list-style-type: none"> Roughing or interrupted machining For Carbon steel, Alloy steel, Stainless steel and High temperature alloy 	●	●	●		●		<ul style="list-style-type: none"> Auto parts Machinery parts Aircraft parts

※ Different grades for various applications are available to select, please contact us for more information.

DWC Series

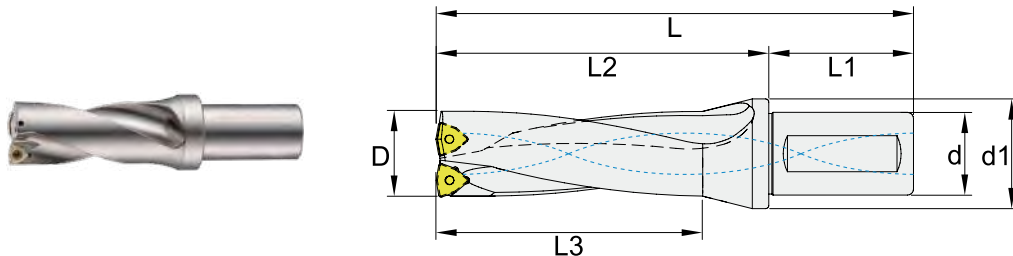
■ Insert Order Code

Insert	Order No.	Designation	Working Material					
			P	M	K	N	S	H
	IWCMT030208MM32HS	WCMT030208-MM-CX32HS	●	●	●		○	○
	IWCMT030208MM33TS	WCMT030208-MM-CX33TS	●	●	●		●	●
	IWCMT030208MM43TS	WCMT030208-MM-CX43TS	●	●	●		●	
	IWCMT040208MM32HS	WCMT040208-MM-CX32HS	●	●	●		○	○
	IWCMT040208MM33TS	WCMT040208-MM-CX33TS	●	●	●		●	●
	IWCMT040208MM43TS	WCMT040208-MM-CX43TS	●	●	●		●	
	IWCMT050308MM32HS	WCMT050308-MM-CX32HS	●	●	●		○	○
	IWCMT050308MM33TS	WCMT050308-MM-CX33TS	●	●	●		●	●
	IWCMT050308MM43TS	WCMT050308-MM-CX43TS	●	●	●		●	
	IWCMT06T308MM32HS	WCMT06T308-MM-CX32HS	●	●	●		○	○
	IWCMT06T308MM33TS	WCMT06T308-MM-CX33TS	●	●	●		●	●
	IWCMT06T308MM43TS	WCMT06T308-MM-CX43TS	●	●	●		●	
	IWCMT080412MM32HS	WCMT080412-MM-CX32HS	●	●	●		○	○
	IWCMT080412MM33TS	WCMT080412-MM-CX33TS	●	●	●		●	●
	IWCMT080412MM43TS	WCMT080412-MM-CX43TS	●	●	●		●	

DWC - 2D

Specification

- 2xD Cutting depth
- High durable SDK holder body
- Internal Coolant
- Use with WCMT series inserts
- Indexable Insert with 3 sides cutting edge
- For Alloy Steel, Steel, Stainless Steel and Cast Iron.



Order No.	Dimensions, mm							T	Insert	Screw	Wrench	Stock
	D	d	d1	L	L3	L2	L1					
IDWC140225T203	14	25	38	114	28	58	56	2	WCMT0302	ITS2502	ITK08	●
IDWC145225T203	14.5			2	●							
IDWC150225T203	15			2	●							
IDWC155225T203	15.5			2	●							
IDWC160225T203	16			2	●							
IDWC165225T203	16.5			2	●							
IDWC170225T203	17			2	●							
IDWC175225T203	17.5			2	●							
IDWC180225T203	18			2	●							
IDWC185225T203	18.5			2	●							
IDWC190225T203	19			2	●							
IDWC195225T203	19.5			2	●							
IDWC200225T203	20			2	●							
IDWC205225T203	20.5			2	●							
IDWC210225T204	21	2	●									
IDWC215225T204	21.5	2	●									
IDWC220232T204	22	32	43	136	44	76	60	2	WCMT0402	ITS2507	ITK08	●
IDWC225232T204	22.5			2	●							
IDWC230232T204	23			2	●							
IDWC235232T204	23.5			2	●							
IDWC240232T204	24			2	●							
IDWC245232T204	24.5			2	●							
IDWC250232T204	25			2	●							
IDWC255232T204	25.5			2	●							
IDWC260232T205	26			2	●							
IDWC270232T205	27			2	●							
IDWC280232T205	28			2	●							
IDWC290232T205	29			2	●							
IDWC300232T205	30			2	●							
IDWC260232T205	26			32	43	144		52				84
IDWC270232T205	27	2	●									
IDWC280232T205	28	2	●									
IDWC290232T205	29	2	●									
IDWC300232T205	30	2	●									
IDWC300232T205	30	2	●									

● stock ○ by inquiry

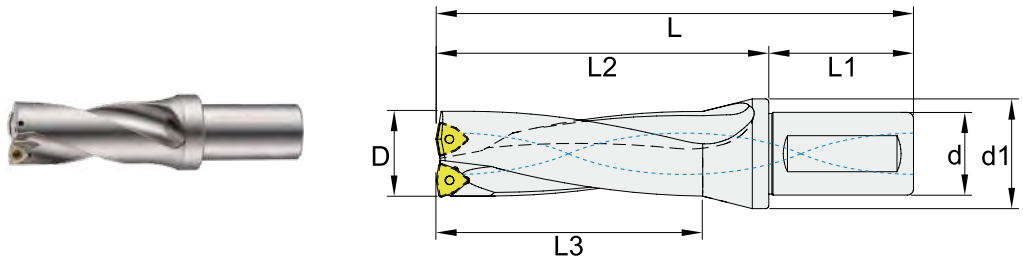
Holmaking

Indexable Drills

DWC - 2D

Specification

- 2xD Cutting depth
- High durable SDK holder body
- Internal Coolant
- Use with WCMT series inserts
- Indexable Insert with 3 sides cutting edge
- For Alloy Steel, Steel, Stainless Steel and Cast Iron.



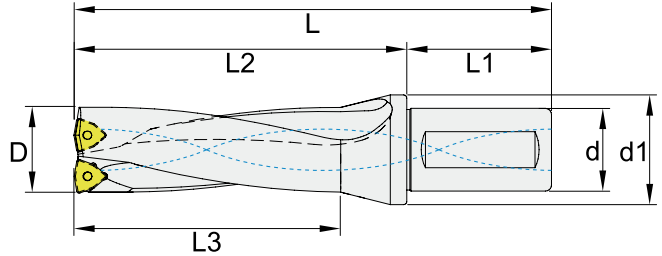
Order No.	Dimensions, mm							T	Insert	Screw	Wrench	Stock
	D	d	d1	L	L3	L2	L1					
IDWC310232T206	31	32	43	154	62	94	60	2	WCMT06T3	ITS3504		●
IDWC320232T206	32			156	64	96		2				
IDWC330232T206	33			159	66	99		2				
IDWC340232T206	34			160	68	100		2				
IDWC350232T206	35			162	70	102		2				
IDWC360232T206	36			164	72	104		2				
IDWC370232T206	37			166	74	106		2				
IDWC380232T206	38			168	76	106		2				
IDWC390232T206	39			170	78	110		2				
IDWC400240T206	40			40	54	185		80				115
IDWC410240T206	41	187	82			117	2					
IDWC420240T208	42	189	84			119	2					
IDWC430240T208	43	191	86			121	2					
IDWC440240T208	44	194	88			124	2					
IDWC450240T208	45	195	90			125	2					
IDWC460240T208	46	197	92			127	2					
IDWC470240T208	47	199	94			129	2					
IDWC480240T208	48	201	96			131	2					
IDWC490240T208	49	202	98			132	2					
IDWC500240T208	50	204	100			134	2					
IDWC510240T208	51	206	102			136	2					
IDWC520240T208	52	208	104			138	2					
IDWC530240T208	53	210	106			140	2					
IDWC540240T208	54	212	108			142	2					
IDWC550240T208	55	58	215			110	145	2				
IDWC560240T208	56		217			112	147	2				
IDWC570240T208	57		219			114	149	2				
IDWC580240T208	58	59	221			116	151	2				
IDWC590240T208	59		223			118	153	2				
IDWC600240T208	60		63	225	120	155	2					

● stock ○ by inquiry

DWC - 3D

Specification

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



Order No.	Dimensions, mm							T	Insert	Screw	Wrench	Stock
	D	d	d1	L	L3	L2	L1					
IDWC140325T203	14	25	38	128	42	72	56	2	WCMT0302	ITS2502	ITK08	●
IDWC145325T203	14.5			2	●							
IDWC150325T203	15			2	●							
IDWC155325T203	15.5			2	●							
IDWC160325T203	16			2	●							
IDWC165325T203	16.5			2	●							
IDWC170325T203	17			2	●							
IDWC175325T203	17.5			2	●							
IDWC180325T203	18			2	●							
IDWC185325T203	18.5			2	●							
IDWC190325T203	19			2	●							
IDWC195325T203	19.5			2	●							
IDWC200325T203	20			2	●							
IDWC205325T203	20.5			2	●							
IDWC210325T204	21	2	●									
IDWC215325T204	21.5	2	●									
IDWC220332T204	22	32	43	158	66	98	60	2	WCMT0402	ITS2507	ITK08	●
IDWC225332T204	22.5			2	○							
IDWC230332T204	23			2	●							
IDWC235332T204	23.5			2	○							
IDWC240332T204	24			2	●							
IDWC245332T204	24.5			2	○							
IDWC250332T204	25			2	●							
IDWC255332T204	25.5			2	○							
IDWC260332T205	26			2	●							
IDWC270332T205	27			2	●							
IDWC280332T205	28			2	●							
IDWC290332T205	29			2	●							
IDWC300332T205	30			2	●							
IDWC305332T206	30.5			2	○							
IDWC310332T206	31			2	●							
IDWC260332T205	26	2	●									
IDWC270332T205	27	2	●									
IDWC280332T205	28	2	●									
IDWC290332T205	29	2	●									
IDWC300332T205	30	2	●									
IDWC305332T206	30.5	2	○									
IDWC310332T206	31	2	●									

● stock ○ by inquiry

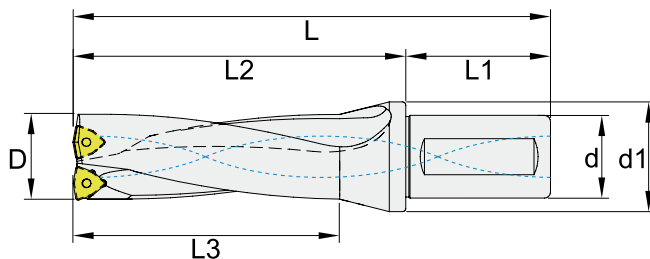
Holmaking

Indexable Drills

DWC - 3D

Specification

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



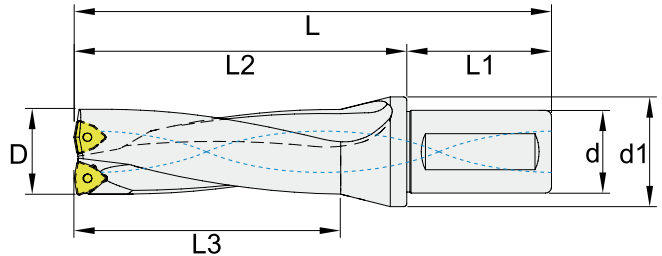
Order No.	Dimensions, mm							T	Insert	Screw	Wrench	Stock
	D	d	d1	L	L3	L2	L1					
IDWC315332T206	31.5	32	43	185	93	125	60	2	WCMT06T3	ITS3504		○
IDWC320332T206	32			188	96	128		2				●
IDWC325332T206	32.5			188	96	128		2				○
IDWC330332T206	33			191	99	131		2				●
IDWC340332T206	34			194	102	134		2				●
IDWC350332T206	35			197	105	137		2				●
IDWC360332T206	36			200	108	140		2				●
IDWC370332T206	37			203	111	143		2				●
IDWC380332T206	38			206	114	146		2				●
IDWC390332T206	39			209	117	149		2				●
IDWC400340T206	40	40	54	225	120	155	70	2	WCMT0804	ITS4004	ITK15	●
IDWC410340T206	41			228	123	158		2				○
IDWC420340T208	42			231	126	161		2				○
IDWC430340T208	43			234	129	164		2				○
IDWC440340T208	44			238	132	168		2				○
IDWC450340T208	45			240	135	170		2				○
IDWC460340T208	46			243	138	173		2				○
IDWC470340T208	47			246	141	176		2				○
IDWC480340T208	48			249	144	179		2				○
IDWC490340T208	49			253	147	182		2				○
IDWC500340T208	50			254	150	184		2				○
IDWC510340T208	51			257	153	187		2				○
IDWC520340T208	52			260	156	190		2				○
IDWC530340T208	53			263	159	193		2				○
IDWC540340T208	54			266	162	196		2				○
IDWC550340T208	55			270	165	200		2				○
IDWC560340T208	56			273	168	203		2				○
IDWC570340T208	57			276	171	205		2				○
IDWC580340T208	58			279	174	209		2				○
IDWC590340T208	59			282	177	212		2				○
IDWC600340T208	60	285	180	215	2	○						

● stock ○ by inquiry

DWC - 4D

Specification

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



Order No.	Dimensions, mm							T	Insert	Screw	Wrench	Stock
	D	d	d1	L	L3	L2	L1					
IDWC140425T203	14	25	38	142	56	86	56	2	WCMT0302	ITS2502	ITK08	●
IDWC150425T203	15			146	60	90		2				
IDWC160425T203	16			150	64	94		2				
IDWC170425T203	17			154	68	98		2				
IDWC180425T203	18			158	72	102		2				
IDWC190425T203	19			162	76	106		2				
IDWC200425T203	20			166	80	110		2				
IDWC210425T204	21			170	84	114		2				
IDWC220432T204	22			32	43	180		88				120
IDWC230432T204	23	184	92			124	2					
IDWC240432T204	24	188	96			128	2					
IDWC250432T204	25	192	100			132	2					
IDWC260432T205	26	196	104			136	2					
IDWC270432T205	27	200	108			140	2					
IDWC280432T205	28	204	112			144	2					
IDWC290432T205	29	208	116			148	2					
IDWC300432T205	30	212	120			152	2					
IDWC310432T206	31	216	124			156	2					
IDWC320432T206	32	40	54	220	128	160	70	2	WCMT06T3	ITS3007	ITK15	●
IDWC330432T206	33			224	132	164		2				
IDWC340432T206	34			228	136	168		2				
IDWC350432T206	35			232	140	172		2				
IDWC360432T206	36			236	144	176		2				
IDWC370432T206	37			240	148	180		2				
IDWC380432T206	38			244	152	184		2				
IDWC390432T206	39			248	156	188		2				
IDWC400440T206	40			265	160	195		2				
IDWC410440T206	41			269	164	199		2				

● stock ○ by inquiry

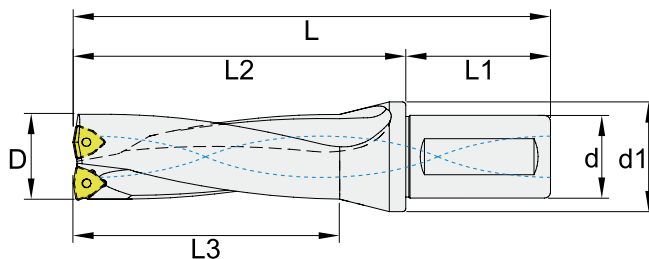
Holmaking

Indexable Drills

DWC - 4D

Specification

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



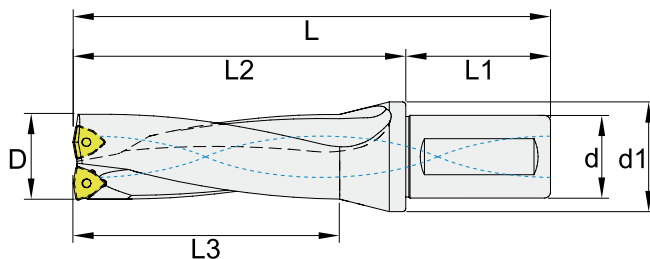
Order No.	Dimensions, mm							T	Insert	Screw	Wrench	Stock	
	D	d	d1	L	L3	L2	L1						
IDWC420440T208	42	40	54	273	168	203	70	2	WCMT0804	ITS4004	ITK15	○	
IDWC430440T208	43			277	172	207		2				○	
IDWC440440T208	44			282	176	212		2				○	
IDWC450440T208	45			285	180	215		2				○	
IDWC460440T208	46			289	184	219		2				○	
IDWC470440T208	47			293	188	223		2				○	
IDWC480440T208	48			297	192	227		2				○	
IDWC490440T208	49			301	196	231		2				○	
IDWC500440T208	50			305	200	235		2				○	
IDWC510440T208	51			309	204	239		2				○	
IDWC520440T208	52			313	208	243		2				○	
IDWC530440T208	53			317	212	247		2				○	
IDWC540440T208	54			320	216	250		2				○	
IDWC550440T208	55			325	220	255		2				○	
IDWC560440T208	56			58	329	224		259				2	○
IDWC570440T208	57				333	228		263				2	○
IDWC580440T208	58			59	337	232		267				2	○
IDWC590440T208	59		341		236	271	2	○					
IDWC600440T208	60		63	345	240	275	2	○					

● stock ○ by inquiry

DWC - 5D

Specification

- 5xD Cutting depth
- High durable SDK holder body
- Internal Coolant
- Use with WCMT series inserts
- Indexable Insert with 3 sides cutting edge
- For Alloy Steel, Steel, Stainless Steel and Cast Iron.



Order No.	Dimensions, mm							T	Insert	Screw	Wrench	Stock
	D	d	d1	L	L3	L2	L1					
IDWC160525T203	16	25	38	166	80	110	56	2	WCMT0302	ITS2507	ITK08	○
IDWC170525T203	17	25	38	171	85	115	56	2				○
IDWC180525T203	18	25	38	176	90	120	56	2				○
IDWC190525T203	19	25	38	181	95	125	56	2				○
IDWC200525T203	20	25	38	186	100	130	56	2				○
IDWC210525T203	21	25	38	191	105	135	56	2				○
IDWC220525T203	22	25	38	196	110	140	56	2				○
IDWC230532T204	23	32	43	207	115	147	60	2	WCMT0402	ITS2507	ITK08	○
IDWC240532T204	24	32	43	212	120	152	60	2				○
IDWC250532T204	25	32	43	217	125	157	60	2				○
IDWC260532T205	26	32	43	222	130	162	60	2	WCMT0503	ITS3007	ITK10	○
IDWC270532T205	27	32	43	227	135	167	60	2				○
IDWC280532T205	28	32	43	232	140	172	60	2				○
IDWC290532T205	29	32	43	237	145	177	60	2				○
IDWC300532T205	30	32	43	242	150	182	60	2				○
IDWC310532T206	31	32	43	247	155	187	60	2	WCMT06T3	ITS3504	ITK15	○
IDWC320532T206	32	32	43	252	160	192	60	2				○
IDWC330532T206	33	32	43	257	165	197	60	2				○
IDWC340532T206	34	32	43	262	170	202	60	2				○
IDWC350532T206	35	32	43	267	175	207	60	2				○
IDWC360532T206	36	32	43	272	180	212	60	2				○
IDWC440540T208	44	40	54	326	220	256	70	2				WCMT0804

● stock ○ by inquiry

Recommended Cutting Conditions

DWC Series (2xD, 3xD)

Work Material	Hardness	Vc (m/min)	Feed Rate (mm/rev)					
			WCMT03 Ø14-Ø20.5	WCMT04 Ø22-Ø25.5	WCMT05 Ø26-Ø30	WCMT06 Ø31-Ø39	WCMT08 Ø40-Ø60	
P	Mild Steel	(<180HB)	110~220	0.06~0.09	0.06~0.11	0.07~0.13	0.08~0.18	0.10~0.25
	Carbon Steel	(180~280HB)	90~140	0.06~0.09	0.06~0.11	0.07~0.13	0.08~0.18	0.10~0.25
	Alloy Steel	(280~350HB)	70~120	0.05~0.07	0.05~0.09	0.06~0.11	0.07~0.14	0.08~0.17
M	Stainless Steel	(<200HB)	60~140	0.05~0.09	0.05~0.10	0.06~0.13	0.07~0.15	0.08~0.18
K	Cast Iron	(<350Mpa)	110~260	0.07~0.11	0.07~0.13	0.08~0.15	0.09~0.18	0.11~0.22
	Ductile Cast Iron	(<450Mpa)	90~120	0.06~0.10	0.06~0.12	0.07~0.14	0.08~0.16	0.10~0.20
N	Aluminum <12% Si	-	200~360	0.06~0.11	0.08~0.13	0.09~0.15	0.11~0.18	0.12~0.25
	Aluminum >12% Si	-	150~250	0.06~0.11	0.08~0.13	0.09~0.15	0.11~0.18	0.12~0.25
S	Heat Resistant Alloy	-	25~50	0.03~0.05	0.03~0.06	0.04~0.08	0.05~0.10	0.06~0.12
H	Hardened Material	-	-	-	-	-	-	-

Apply for 4xD reduce 10%, 5xD reduce 15%.