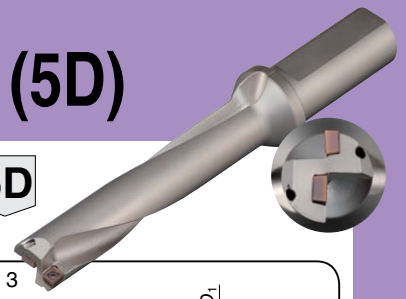


Carbon Steel, Alloy Steel Up to 0.28% C From 0.29% C	Tempered Steel Up to 49HRC From 46HRC	Hardened Steel Stainless Steel	Ti-Alloy	Heat-treated steels	Cast Iron	Ductile Cast Iron	Aluminum Alloy	Copper Alloy	Composite CFRP
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SumiDrill

# WDX Type (5D)

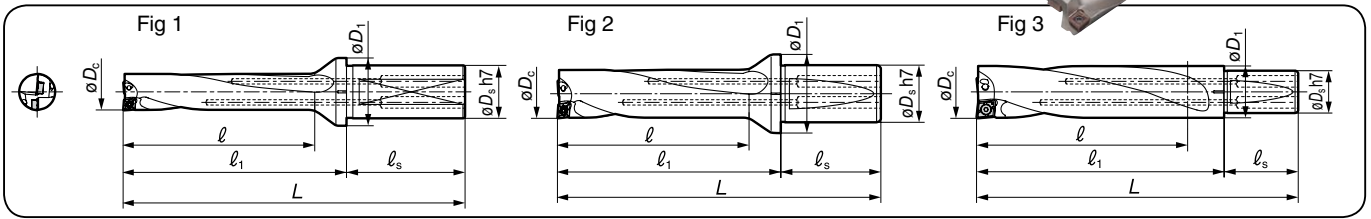


**Max.Depth: 5D**

Guide for machining tolerance: 0 to +0.25  
Maximum depth  $l \leq 5 \times \phi D_c$



Recommended Cutting Conditions **J63**



■ Holder Diameter  $\phi 13.0$  to  $\phi 45.0$ mm (Refer to J60) (mm)

Diameter $\phi D_c$	Shank Diameter $\phi D_s$	Cat. No.	Stock	L	l	l <sub>1</sub>	l <sub>s</sub>	$\phi D_1$	Radial Offset (Max)	Applicable Insert	Fig
13.0		WDX 130D5S20	●	127.0	68.0	83.0			0.35		
13.5		135D5S20	●	129.5	70.5	85.5			0.30	WDXT 042004	
14.0	20.0	140D5S20	●	132.0	73.0	88.0		28.0	0.25		
14.5		145D5S20	●	134.5	75.5	90.5			0.20		
15.0		150D5S20	●	137.0	78.0	93.0			0.15		
15.5		WDX 155D5S20	●	139.5	80.5	95.5			0.40		
16.0	20.0	160D5S20	●	142.0	83.0	98.0		30.0	0.40	WDXT 052504	
16.5		165D5S20	●	144.5	85.5	100.5		44	0.35		
17.0		170D5S20	●	147.0	88.0	103.0			0.30		
17.5		175D5S25	●	161.5	90.5	105.5			0.25		
18.0	25.0	180D5S25	●	164.0	93.0	108.0		56	0.20		
18.5		WDX 185D5S25	●	166.5	95.5	110.5			0.50		
19.0		190D5S25	●	169.0	98.0	113.0			0.45		
19.5		195D5S25	●	171.5	100.5	115.5			0.40		
20.0		200D5S25	●	174.0	103.0	118.0			0.30	WDXT 063006	
20.5	25.0	205D5S25	●	176.5	105.5	120.5		56	0.30		
21.0		210D5S25	●	179.0	108.0	123.0			0.20		
21.5		215D5S25	●	181.5	110.5	125.5			0.15		
22.0		220D5S25	●	184.0	113.0	128.0			0.10		
22.5		225D5S25	●	186.5	115.5	130.5			0.05		
23.0		WDX 230D5S25	●	192.0	118.0	136.0			0.70		
23.5		235D5S25	●	194.5	120.5	138.5			0.70		
24.0	25.0	240D5S25	●	197.0	123.0	141.0		56	0.60	WDXT 073506	
24.5		245D5S25	●	199.5	125.5	143.5			0.50		
25.0		250D5S25	●	202.0	128.0	146.0			0.50		
26.0		WDX 260D5S32	●	213.0	133.0	153.0			0.40		
27.0		270D5S32	●	218.0	138.0	158.0		60	0.25		
28.0		280D5S32	●	223.0	143.0	163.0			0.15		
29.0	32.0	WDX 290D5S32	●	230.0	149.0	170.0		50.0	1.00		
30.0		300D5S32	●	238.0	154.0	178.0		60	0.90		
31.0		310D5S32	●	243.0	159.0	183.0			0.80		
32.0		320D5S32	●	248.0	164.0	188.0			0.70		
30.0		300D5S40	●	248.0	154.0	178.0			0.90	WDXT 094008	
31.0		310D5S40	●	253.0	159.0	183.0		54.0	0.80		
32.0		320D5S40	●	258.0	164.0	188.0			0.70		
33.0	40.0	330D5S40	●	263.0	169.0	193.0		70	0.55		
34.0		340D5S40	●	268.0	174.0	198.0			0.45		
35.0		350D5S40	●	273.0	179.0	203.0			0.35		
36.0		360D5S40	●	278.0	184.0	208.0			0.20		
37.0		WDX 370D5S40	●	290.0	190.0	220.0			1.00		
38.0		380D5S40	●	295.0	195.0	225.0			1.00		
39.0		390D5S40	●	300.0	200.0	230.0			0.90		
40.0		400D5S40	●	305.0	205.0	235.0			0.80	WDXT 125012	
41.0	40.0	410D5S40	●	310.0	210.0	240.0		70	0.70		
42.0		420D5S40	●	315.0	215.0	245.0			0.60		
43.0		430D5S40	●	320.0	220.0	250.0			0.50		
44.0		440D5S40	●	325.0	225.0	255.0			0.50		
45.0		450D5S40	●	330.0	230.0	260.0			0.40		

Diameters  $\phi 30$ ,  $\phi 31$ ,  $\phi 32$  are available in stock with shank diameters  $\phi 32$  and  $\phi 40$ .

■ Spare Parts

Screw	Spanner	Spanner	Recommended Tightening Torque (N·m)	Applicable Holders
BFTX01604N	TRX06		0.3	WDX130D5S20 to WDX150D5S20
BFTX0204N	TRX06		0.5	WDX155D5S20 to WDX180D5S25
BFTY02206		TRD07	1.0	WDX185D5S25 to WDX225D5S25
BFTX02506N		TRD08	1.5	WDX230D5S25 to WDX285D5S32
BFTX03584		TRD15	3.5	WDX290D5S32 to WDX360D5S40
BFTX0511N		TRD20	5.0	WDX370D5S40 to WDX450D5S40
BFTX0615N		TRD25	5.0	WDX460D5S40 to WDX550D5S40

■ Holder Diameter  $\phi 46.0$  to  $\phi 55.0$ mm (Refer to J60) (mm)

Diameter $\phi D_c$	Shank Diameter $\phi D_s$	Cat. No.	Stock	L	l	l <sub>1</sub>	l <sub>s</sub>	$\phi D_1$	Radial Offset (Max)	Applicable Insert	Fig
46.0		WDX 460D5S40	●	335.0	235.0	265.0			1.50		
47.0		470D5S40	●	340.0	240.0	270.0			1.40		
48.0		480D5S40	●	345.0	245.0	275.0			1.30		
49.0		490D5S40	●	350.0	250.0	280.0			1.20		2
50.0	40.0	500D5S40	●	355.0	255.0	285.0		70	1.10	WDXT 156012	
51.0		510D5S40	●	360.0	260.0	290.0			1.00		
52.0		520D5S40	●	365.0	265.0	295.0		50.5	0.90		
53.0		530D5S40	●	370.0	270.0	300.0			0.80		3
54.0		540D5S40	●	375.0	275.0	305.0			0.60		
55.0		550D5S40	●	380.0	280.0	310.0			0.50		

■ Inserts P Steel M Stainless Steel K Cast Iron N Non-Ferrous Metal S Exotic Alloy H Hardened Steel

Fig	Grade	Coated Carbide	Application	Cat. No.	ACP300	ACK300	DL1500	Fig	Dimensions (mm)	Applicable Holders	
									l	Thickness	r <sub>E</sub>
Fig 4	L Type Chipbreaker (Low feed, chip management type)		High Speed/Light	WDXT 042004-L	●	●	●	4	4.2	2.0	0.4
Fig 5	G Type Chipbreaker (General purpose type)		General Purpose	WDXT 042004-G	●	●	●	5	4.2	2.0	0.4
Fig 6	H Type Chipbreaker (Strong edge type)		Roughing	WDXT 042004-H	●	●	●	6	4.2	2.0	0.4
				WDXT 052504-L	●	●	●	4	5.0	2.5	0.4
				WDXT 052504-G	●	●	●	5	5.0	2.5	0.4
				WDXT 052504-H	●	●	●	6	5.0	2.5	0.4
				WDXT 063006-L	●	●	●	4	6.0	3.0	0.6
				WDXT 063006-G	●	●	●	5	6.0	3.0	0.6
				WDXT 063006-H	●	●	●	6	6.0	3.0	0.6
				WDXT 073506-L	●	●	●	4	7.5	3.5	0.6
				WDXT 073506-G	●	●	●	5	7.5	3.5	0.6
				WDXT 073506-H	●	●	●	6	7.5	3.5	0.6
				WDXT 094008-L	●	●	●	4	9.6	4.0	0.8
				WDXT 094008-G	●	●	●	5	9.6	4.0	0.8
				WDXT 094008-H	●	●	●	6	9.6	4.0	0.8
				WDXT 125012-L	●	●	●	4	12.4	5.0	1.2
				WDXT 125012-G	●	●	●	5	12.4	5.0	1.2
				WDXT 125012-H	●	●	●	6	12.4	5.0	1.2
				WDXT 156012-L	●	●	●	4	15.2	6.0	1.2
				WDXT 156012-G	●	●	●	5	15.2	6.0	1.2
				WDXT 156012-H	●	●	●	6	15.2	6.0	1.2

WDX Drill Identification

**WDX 200 D5 S25**

Drill Diameter (ø20.0) | Flute Length L/D (5D) | Shank Size (ø25.0)

WDX Drill Insert Identification

**WDXT 06 30 06 -G**

Width Across Flats (6.0) | Thickness x 10 (3.0) | Breaker Type | Corner Radius x 10 (0.6)

Drilling  
Solid  
Special  
Indexable  
Reamer  
Brazed  
Others