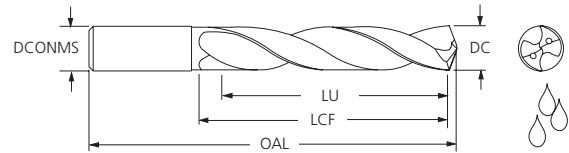
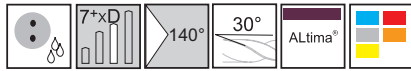


Twister XD® 7+xD - Series 2XDCL

Designed for high performance drilling in a broad range of materials.



- Usable length (LU) = LCF - (1.5 x DC).

ALtima®		DC (h7)				DCONMS (h6)		OAL		LCF	
Tool No.	EDP	Inch	Letter/ Wire	mm	Decimal	Inch	mm	Inch	mm	Inch	mm
2XDCL1181A	02830			3.0	.1181		3.0		81		33
2XDCL1200A	02832		31		.1200	1/8		3.500		1.500	
2XDCL1220A	02833			3.1	.1220		4.0		92		44
2XDCL1250A	02834	1/8			.1250	1/8		3.500		1.500	
2XDCL1260A	02836			3.2	.1260		4.0		92		44
2XDCL1285A	02838		30		.1285	5/32		3.625		1.750	
2XDCL1299A	02840			3.3	.1299		4.0		92		44
2XDCL1339A	02842			3.4	.1339		4.0		92		44
2XDCL1360A	02844		29		.1360	5/32		3.625		1.750	
2XDCL1378A	02846			3.5	.1378		4.0		92		44
2XDCL1406A	02848	9/64			.1406	5/32		3.625		1.750	
2XDCL1417A	02849			3.6	.1417		4.0		92		44
2XDCL1457A	02850			3.7	.1457		4.0		92		44
2XDCL1496A	02852			3.8	.1496		4.0		92		44
2XDCL1520A	02851		24		.1520	5/32		3.625		1.750	
2XDCL1535A	02853			3.9	.1535		4.0		92		44
2XDCL1562A	02854	5/32			.1562	5/32		3.625		1.750	
2XDCL1575A	02856			4.0	.1575		4.0		92		44
2XDCL1590A	02857		21		.1590	3/16		3.940		1.750	
2XDCL1614A	04018			4.1	.1614		5.0		100		45
2XDCL1654A	02858			4.2	.1654		5.0		100		45
2XDCL1693A	02859			4.3	.1693		5.0		100		45
2XDCL1719A	02860	11/64			.1719	3/16		3.940		1.750	
2XDCL1732A	02861			4.4	.1732		5.0		100		45
2XDCL1772A	02862			4.5	.1772		5.0		100		45
2XDCL1811A	02864			4.6	.1811		5.0		100		45
2XDCL1850A	02865			4.7	.1850		5.0		100		45
2XDCL1875A	02866	3/16			.1875	3/16		3.940		1.750	
2XDCL1890A	02868			4.8	.1890		5.0		100		45
2XDCL1929A	02870			4.9	.1929		5.0		100		45
2XDCL1968A	02872			5.0	.1968		5.0		100		45

Inch	
DC	Tolerance (h7)
.0000 - .1181	+0/- .00039
.1182 - .2362	+0/- .00047
.2363 - .3937	+0/- .00059
.3938 - .7087	+0/- .00071

Inch	
DCONMS	Tolerance (h6)
.0000 - .1181	+0/- .00024
.1182 - .2362	+0/- .00031
.2363 - .3937	+0/- .00035
.3938 - .7087	+0/- .00043

Metric (mm)	
DC	Tolerance (h7)
0 - 3.0	+0/- .010
3.01 - 6.0	+0/- .012
6.01 - 10.0	+0/- .015
10.01 - 18.0	+0/- .018

Metric (mm)	
DCONMS	Tolerance (h6)
0 - 3.0	+0/- .006
3.01 - 6.0	+0/- .008
6.01 - 10.0	+0/- .009
10.01 - 18.0	+0/- .011

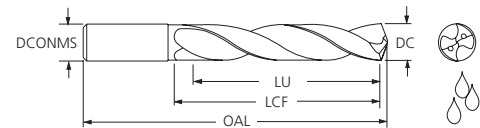


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Altima®		DC (h7)				DCONMS (h6)		OAL		LCF	
Tool No.	EDP	Inch	Letter/ Wire	mm	Decimal	Inch	mm	Inch	mm	Inch	mm
2XDCL2008A	02874			5.1	.2008		6.0		100		51
2XDCL2031A	02876	13/64			.2031	15/64		3.940		2.000	
2XDCL2047A	02878			5.2	.2047		6.0		100		51
2XDCL2087A	02880			5.3	.2087		6.0		100		51
2XDCL2126A	02882			5.4	.2126		6.0		100		51
2XDCL2165A	02884			5.5	.2165		6.0		100		51
2XDCL2187A	02886	7/32			.2187	15/64		3.940		2.000	
2XDCL2210A	02888		2		.2210	15/64		3.940		2.000	
2XDCL2244A	02890			5.7	.2244		6.0		100		51
2XDCL2283A	02892			5.8	.2283		6.0		100		51
2XDCL2323A	02894			5.9	.2323		6.0		100		51
2XDCL2344A	02896	15/64			.2344	15/64		3.940		2.000	
2XDCL2362A	02898			6.0	.2362		6.0		100		51
2XDCL2402A	02900			6.1	.2402		8.0		109		60
2XDCL2420A	02902		C		.2420	1/4		4.310		2.250	
2XDCL2441A	02904			6.2	.2441		8.0		109		60
2XDCL2460A	02906		D		.2460	1/4		4.310		2.250	
2XDCL2480A	02908			6.3	.2480		8.0		109		60
2XDCL2500A	02910	1/4			.2500	1/4		4.310		2.250	
2XDCL2520A	02912			6.4	.2520		8.0		109		60
2XDCL2559A	02914			6.5	.2559		8.0		109		60
2XDCL2570A	02916		F		.2570	5/16		4.310		2.375	
2XDCL2598A	02917			6.6	.2598		8.0		109		60
2XDCL2610A	02918		G		.2610	5/16		4.310		2.375	
2XDCL2638A	02919			6.7	.2638		8.0		109		60
2XDCL2656A	02920	17/64			.2656	5/16		4.310		2.375	
2XDCL2677A	02922			6.8	.2677		8.0		109		60
2XDCL2717A	02924			6.9	.2717		8.0		109		60
2XDCL2756A	02926			7.0	.2756		8.0		109		60
2XDCL2795A	02927			7.1	.2795		8.0		118		70
2XDCL2812A	02928	9/32			.2812	5/16		4.625		2.750	
2XDCL2835A	02930			7.2	.2835		8.0		118		70
2XDCL2874A	02931			7.3	.2874		8.0		118		70
2XDCL2913A	02932			7.4	.2913		8.0		118		70
2XDCL2953A	02934			7.5	.2953		8.0		118		70
2XDCL2969A	02936	19/64			.2969	5/16		4.625		2.750	
2XDCL2992A	02938			7.6	.2992		8.0		118		70
2XDCL3031A	02940			7.7	.3031		8.0		118		70
2XDCL3071A	02942			7.8	.3071		8.0		118		70
2XDCL3110A	02943			7.9	.3110		8.0		118		70
2XDCL3125A	02944	5/16			.3125	5/16		4.625		2.750	
2XDCL3150A	02946			8.0	.3150		8.0		118		70
2XDCL3189A	02948			8.1	.3189		10.0		127		80



Twister XD® 7+xD - Series 2XDCL *Continued*



ALtima®		DC (h7)				DCONMS (h6)		OAL		LCF	
Tool No.	EDP	Inch	Letter/ Wire	mm	Decimal	Inch	mm	Inch	mm	Inch	mm
2XDCL3228A	02950			8.2	.3228		10.0		127		80
2XDCL3268A	02952			8.3	.3268		10.0		127		80
2XDCL3281A	02954	21/64			.3281	25/64		5.000		3.150	
2XDCL3307A	02953			8.4	.3307		10.0		127		80
2XDCL3320A	02955		Q		.3320	25/64		5.000		3.150	
2XDCL3346A	02956			8.5	.3346		10.0		127		80
2XDCL3386A	02957			8.6	.3386		10.0		127		80
2XDCL3425A	04019			8.7	.3425		10.0		127		80
2XDCL3438A	02958	11/32			.3438	25/64		5.000		3.150	
2XDCL3465A	02960			8.8	.3465		10.0		127		80
2XDCL3504A	02962			8.9	.3504		10.0		127		80
2XDCL3543A	02964			9.0	.3543		10.0		127		80
2XDCL3583A	02965			9.1	.3583		10.0		136		85
2XDCL3594A	02966	23/64			.3594	25/64		5.312		3.340	
2XDCL3622A	02968			9.2	.3622		10.0		136		85
2XDCL3642A	02970			9.25	.3642		10.0		136		85
2XDCL3661A	02972			9.3	.3661		10.0		136		85
2XDCL3701A	02973			9.4	.3701		10.0		136		85
2XDCL3740A	02974			9.5	.3740		10.0		136		85
2XDCL3750A	02976	3/8			.3750	25/64		5.312		3.340	
2XDCL3780A	02977			9.6	.3780		10.0		136		85
2XDCL3819A	02978			9.7	.3819		10.0		136		85
2XDCL3858A	02980			9.8	.3858		10.0		136		85
2XDCL3898A	04024			9.9	.3898		10.0		136		85
2XDCL3906A	02981	25/64			.3906	25/64		5.312		3.340	
2XDCL3937A	02982			10.0	.3937		10.0		136		85
2XDCL3976A	04025			10.1	.3976		12.0		149		93
2XDCL4016A	02983			10.2	.4016		12.0		149		93
2XDCL4055A	04026			10.3	.4055		12.0		149		93
2XDCL4062A	02984	13/32			.4062	15/32		5.875		3.625	
2XDCL4094A	02979			10.4	.4094		12.0		149		93
2XDCL4134A	02986			10.5	.4134		12.0		149		93
2XDCL4173A	02985			10.6	.4173		12.0		149		93
2XDCL4213A	04020			10.7	.4213		12.0		149		93
2XDCL4219A	02987	27/64			.4219	15/32		5.875		3.625	
2XDCL4252A	96600			10.8	.4252		12.0		149		93



Altima®		DC (h7)				DCONMS (h6)		OAL		LCF	
Tool No.	EDP	Inch	Letter/ Wire	mm	Decimal	Inch	mm	Inch	mm	Inch	mm
2XDCL4291A	04021			10.9	.4291		12.0		149		93
2XDCL4331A	02988			11.0	.4331		12.0		149		93
2XDCL4370A	04027			11.1	.4370		12.0		155		102
2XDCL4375A	02989	7/16			.4375	15/32		6.100		4.000	
2XDCL4409A	02990			11.2	.4409		12.0		155		102
2XDCL4449A	04028			11.3	.4449		12.0		155		102
2XDCL4488A	04022			11.4	.4488		12.0		155		102
2XDCL4527A	02991			11.5	.4527		12.0		155		102
2XDCL4567A	04029			11.6	.4567		12.0		155		102
2XDCL4606A	02992			11.7	.4606		12.0		155		102
2XDCL4646A	96602			11.8	.4646		12.0		155		102
2XDCL4685A	04023			11.9	.4685		12.0		155		102
2XDCL4688A	02993	15/32			.4688	15/32		6.100		4.000	
2XDCL4724A	02994			12.0	.4724		12.0		155		102
2XDCL4844A	02995	31/64			.4844	1/2		6.299		4.312	
2XDCL5000A	02996	1/2			.5000	1/2		6.299		4.312	



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Twister XD® Drills
Series 2XDCL