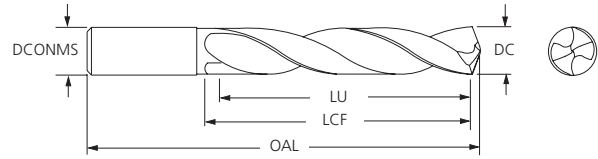
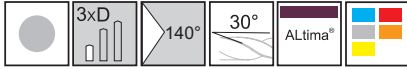


Twister XD® 3xD - Series 2XDSS

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
2XDSS0984A	22601			2.5	.0984		2.5		43		14
2XDSS1142A	22602			2.9	.1142		2.9		46		16
2XDSS1181A	02100			3.0	.1181		3.0		57		16
2XDSS1200A	02102		31		.1200	1/8		2.25		0.750	
2XDSS1220A	02103			3.1	.1220		4.0		63		22
2XDSS1250A	02104	1/8			.1250	1/8		2.25		0.750	
2XDSS1260A	02106			3.2	.1260		4.0		63		22
2XDSS1285A	02108		30		.1285	5/32		2.5		0.875	
2XDSS1299A	02110			3.3	.1299		4.0		63		22
2XDSS1339A	02112			3.4	.1339		4.0		63		22
2XDSS1360A	02114		29		.1360	5/32		2.5		0.875	
2XDSS1378A	02116			3.5	.1378		4.0		63		22
2XDSS1406A	02118	9/64			.1406	5/32		2.5		0.875	
2XDSS1417A	02119			3.6	.1417		4.0		63		22
2XDSS1457A	02120			3.7	.1457		4.0		63		22
2XDSS1496A	02122			3.8	.1496		4.0		63		22
2XDSS1520A	02121		24		.1520	5/32		2.5		0.875	
2XDSS1535A	02123			3.9	.1535		4.0		63		22
2XDSS1562A	02124	5/32			.1562	5/32		2.5		0.875	
2XDSS1575A	02126			4.0	.1575		4.0		63		22
2XDSS1590A	02127		21		.1590	3/16		2.5		1.000	
2XDSS1614A	04000			4.1	.1614		5.0		63		26
2XDSS1654A	02128			4.2	.1654		5.0		63		26
2XDSS1693A	02129			4.3	.1693		5.0		63		26
2XDSS1719A	02130	11/64			.1719	3/16		2.50		1.000	
2XDSS1732A	02131			4.4	.1732		5.0		63		26
2XDSS1772A	02132			4.5	.1772		5.0		63		26
2XDSS1811A	02134			4.6	.1811		5.0		63		26
2XDSS1850A	02135			4.7	.1850		5.0		63		26
2XDSS1875A	02136	3/16			.1875	3/16		2.50		1.000	
2XDSS1890A	02138			4.8	.1890		5.0		63		26

Inch		
DC	Tolerance (h7)	
.0000 - .1181	+0/- .00039	
.1182 - .2362	+0/- .00047	
.2363 - .3937	+0/- .00059	
.3938 - .7087	+0/- .00071	
.7088 - .7500	+0/- .00083	

Inch		
DCONMS	Tolerance (h6)	
.0000 - .1181	+0/- .00024	
.1182 - .2362	+0/- .00031	
.2363 - .3937	+0/- .00035	
.3938 - .7087	+0/- .00043	
.7088 - .7500	+0/- .00051	

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	
18.01 - 20.0	+0/- .021	

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	
18.01 - 20.0	+0/- .013	



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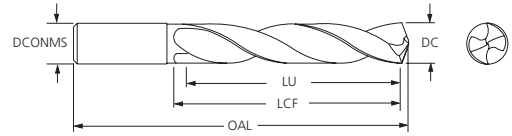
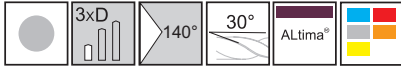
ALtima®		DC (h7)				DCONMS (h6)		OAL		LCF	
Tool No.	EDP	Inch	Letter/ Wire	mm	Decimal	Inch	mm	Inch	mm	Inch	mm
2XDSS1929A	02140			4.9	.1929		5.0		63		26
2XDSS1968A	02142			5.0	.1968		5.0		63		26
2XDSS2008A	02144			5.1	.2008		6.0		76		30
2XDSS2031A	02146	13/64			.2031	15/64		3.00		1.125	
2XDSS2047A	02148			5.2	.2047		6.0		76		30
2XDSS2087A	02150			5.3	.2087		6.0		76		30
2XDSS2126A	02152			5.4	.2126		6.0		76		30
2XDSS2165A	02154			5.5	.2165		6.0		76		30
2XDSS2187A	02156	7/32			.2187	15/64		3.00		1.125	
2XDSS2210A	02158		2		.2210	15/64		3.00		1.125	
2XDSS2244A	02160			5.7	.2244		6.0		76		30
2XDSS2283A	02162			5.8	.2283		6.0		76		30
2XDSS2323A	02164			5.9	.2323		6.0		76		30
2XDSS2344A	02166	15/64			.2344	15/64		3.00		1.125	
2XDSS2362A	02168			6.0	.2362		6.0		76		30
2XDSS2402A	02170			6.1	.2402		8.0		82		35
2XDSS2420A	02172		C		.2420	1/4		3.00		1.250	
2XDSS2441A	02174			6.2	.2441		8.0		82		35
2XDSS2460A	02176		D		.2460	1/4		3.00		1.250	
2XDSS2480A	02178			6.3	.2480		8.0		82		35
2XDSS2500A	02180	1/4			.2500	1/4		3.00		1.250	
2XDSS2520A	02182			6.4	.2520		8.0		82		35
2XDSS2559A	02184			6.5	.2559		8.0		82		35
2XDSS2570A	02186		F		.2570	5/16		3.25		1.375	
2XDSS2598A	02185			6.6	.2598		8.0		82		35
2XDSS2610A	02188		G		.2610	5/16		3.25		1.375	
2XDSS2638A	02189			6.7	.2638		8.0		82		35
2XDSS2656A	02190	17/64			.2656	5/16		3.25		1.375	
2XDSS2677A	02192			6.8	.2677		8.0		82		35
2XDSS2717A	02194			6.9	.2717		8.0		82		35
2XDSS2756A	02196			7.0	.2756		8.0		82		35
2XDSS2795A	02197			7.1	.2795		8.0		82		38
2XDSS2812A	02198	9/32			.2812	5/16		3.25		1.500	
2XDSS2835A	02200			7.2	.2835		8.0		82		38
2XDSS2874A	02201			7.3	.2874		8.0		82		38
2XDSS2913A	02202			7.4	.2913		8.0		82		38
2XDSS2953A	02204			7.5	.2953		8.0		82		38
2XDSS2969A	02206	19/64			.2969	5/16		3.25		1.500	
2XDSS2992A	02208			7.6	.2992		8.0		82		38
2XDSS3031A	02210			7.7	.3031		8.0		82		38
2XDSS3071A	02212			7.8	.3071		8.0		82		38
2XDSS3110A	02213			7.9	.3110		8.0		82		38
2XDSS3125A	02214	5/16			.3125	5/16		3.25		1.500	



Twister XD® Drills
Series 2XDSS



Twister XD® 3xD - Series 2XDSS *Continued*



Twister XD® Drills
Series 2XDSS

ALtima®		DC (h7)				DCONMS (h6)		OAL		LCF	
Tool No.	EDP	Inch	Letter/ Wire	mm	Decimal	Inch	mm	Inch	mm	Inch	mm
2XDSS3150A	02216			8.0	.3150		8.0		82		38
2XDSS3189A	02218			8.1	.3189		10.0		89		43
2XDSS3228A	02220			8.2	.3228		10.0		89		43
2XDSS3268A	02222			8.3	.3268		10.0		89		43
2XDSS3281A	02224	21/64			.3281	25/64		3.50		1.687	
2XDSS3307A	02223			8.4	.3307		10.0		89		43
2XDSS3320A	02225		Q		.3320	25/64		3.50		1.687	
2XDSS3346A	02226			8.5	.3346		10.0		89		43
2XDSS3386A	02227			8.6	.3386		10.0		89		43
2XDSS3425A	04001			8.7	.3425		10.0		89		43
2XDSS3438A	02228	11/32			.3438	25/64		3.50		1.687	
2XDSS3465A	02230			8.8	.3465		10.0		89		43
2XDSS3504A	02232			8.9	.3504		10.0		89		43
2XDSS3543A	02234			9.0	.3543		10.0		89		43
2XDSS3583A	02235			9.1	.3583		10.0		89		43
2XDSS3594A	02236	23/64			.3594	25/64		3.50		1.687	
2XDSS3622A	02238			9.2	.3622		10.0		89		43
2XDSS3642A	02240			9.25	.3642		10.0		89		43
2XDSS3661A	02242			9.3	.3661		10.0		89		43
2XDSS3701A	02243			9.4	.3701		10.0		89		43
2XDSS3740A	02244			9.5	.3740		10.0		89		43
2XDSS3750A	02246	3/8			.3750	25/64		3.50		1.687	
2XDSS3780A	02247			9.6	.3780		10.0		89		43
2XDSS3819A	02248			9.7	.3819		10.0		89		43
2XDSS3858A	02250			9.8	.3858		10.0		89		43
2XDSS3898A	02251			9.9	.3898		10.0		89		43
2XDSS3906A	02252	25/64			.3906	25/64		3.50		1.687	
2XDSS3937A	02254			10.0	.3937		10.0		89		43
2XDSS3976A	02255			10.1	.3976		12.0		101		51
2XDSS4016A	02256			10.2	.4016		12.0		101		51
2XDSS4055A	02257			10.3	.4055		12.0		101		51
2XDSS4062A	02258	13/32			.4062	15/32		4.00		2.000	
2XDSS4094A	02259			10.4	.4094		12.0		101		51
2XDSS4134A	02260			10.5	.4134		12.0		101		51
2XDSS4173A	02261			10.6	.4173		12.0		101		51
2XDSS4213A	04002			10.7	.4213		12.0		101		51
2XDSS4219A	02262	27/64			.4219	15/32		4.00		2.00	
2XDSS4252A	02263			10.8	.4252		12.0		101		51
2XDSS4291A	04003			10.9	.4291		12.0		101		51
2XDSS4331A	02264			11.0	.4331		12.0		101		51
2XDSS4370A	02265			11.1	.4370		12.0		101		51



Altima®		DC (h7)				DCONMS (h6)		OAL		LCF	
Tool No.	EDP	Inch	Letter/ Wire	mm	Decimal	Inch	mm	Inch	mm	Inch	mm
2XDSS4375A	02266	7/16			.4375	15/32		4.00		2.00	
2XDSS4409A	02268			11.2	.4409		12.0		101		51
2XDSS4449A	02269			11.3	.4449		12.0		101		51
2XDSS4488A	04004			11.4	.4488		12.0		101		51
2XDSS4527A	02270			11.5	.4527		12.0		101		51
2XDSS4567A	02271			11.6	.4567		12.0		101		51
2XDSS4606A	02272			11.7	.4606		12.0		101		51
2XDSS4646A	02273			11.8	.4646		12.0		101		51
2XDSS4685A	04005			11.9	.4685		12.0		101		51
2XDSS4688A	02274	15/32			.4688	15/32		4.00		2.00	
2XDSS4724A	02276			12.0	.4724		12.0		101		51
2XDSS4764A	02278			12.1	.4764		14.0		107		54
2XDSS4844A	02280	31/64			.4844	1/2		4.00		2.00	
2XDSS4921A	02282			12.5	.4921		14.0		107		54
2XDSS5000A	02284	1/2			.5000	1/2		4.00		2.00	
2XDSS5039A	02286			12.8	.5039		14.0		107		54
2XDSS5051A	02285			12.83	.5051		14.0		107		54
2XDSS5079A	02287			12.9	.5079		14.0		107		54
2XDSS5118A	02288			13.0	.5118		14.0		107		54
2XDSS5156A	02290	33/64			.5156	35/64		4.25		2.125	
2XDSS5312A	02291	17/32			.5312	35/64		4.25		2.125	
2XDSS5315A	02292			13.5	.5315		14.0		107		54
2XDSS5394A	02294			13.7	.5394		14.0		107		54
2XDSS5469A	02296	35/64			.5469	35/64		4.25		2.125	
2XDSS5512A	02298			14.0	.5512		14.0		107		54
2XDSS5625A	02300	9/16			.5625	5/8		4.625		2.375	
2XDSS5709A	02302			14.5	.5709		16.0		117		60
2XDSS5787A	02304			14.7	.5787		16.0		117		60
2XDSS5905A	02306			15.0	.5905		16.0		117		60
2XDSS5938A	02308	19/32			.5938	5/8		4.625		2.375	
2XDSS6024A	02309			15.3	.6024		16.0		117		60
2XDSS6102A	02310			15.5	.6102		16.0		117		60
2XDSS6181A	02312			15.7	.6181		16.0		117		60
2XDSS6250A	02314	5/8			.6250	5/8		4.625		2.375	
2XDSS6299A	02316			16.0	.6299		16.0		117		60
2XDSS6331A	02318			16.08	.6331		18.0		122		63
2XDSS6417A	02319			16.3	.6417		18.0		122		63
2XDSS6496A	02320			16.5	.6496		18.0		122		63
2XDSS6562A	02322	21/32			.6562	45/64		4.81		2.500	
2XDSS6693A	02324			17.0	.6693		18.0		122		63
2XDSS6875A	02326	11/16			.6875	45/64		4.81		2.500	
2XDSS6890A	02328			17.5	.6890		18.0		122		63
2XDSS7087A	02330			18.0	.7087		18.0		122		63
2XDSS7283A	02332			18.5	.7283		20.0		133		70
2XDSS7500A	02334	3/4			.7500	3/4		5.25		2.750	
2XDSS7543A	02336			19.16	.7543		20.0		133		70
2XDSS7579A	02338			19.25	.7579		20.0		133		70
2XDSS7598A	02340			19.3	.7598		20.0		133		70
2XDSS7677A	02342			19.5	.7677		20.0		133		70
2XDSS7874A	02344			20.0	.7874		20.0		133		70

