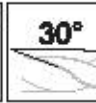
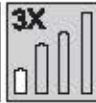
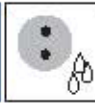
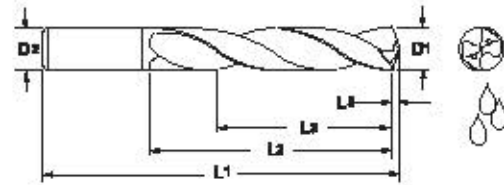


Twister XD® Series 2XDCS



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



ALtima [®]		Diameter				Shank		OAL		Flute Length		Drill Length		Point Length	
		D1 (h7)				D2 (h6)		L1		L2 (Max.)		L3 Ref.		L5	
Tool No.	EDP	Inch	Letter/ Wire	mm	Decimal	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
2XD CS1181A	04400			3.0	.1181	3.0		57		16		13		0.46	
2XD CS1200A	04402		31		.1200	1/8		2.250		.750		.600		.019	
2XD CS1220A	04404			3.1	.1220	4.0		63		22		18		0.48	
2XD CS1250A	04406	1/8			.1250	1/8		2.250		.750		.600		.019	
2XD CS1260A	04408			3.2	.1260	4.0		63		22		18		0.50	
2XD CS1285A	04410		30		.1285	5/32		2.500		.875		.700		.020	
2XD CS1299A	04412			3.3	.1299	4.0		63		22		18		0.51	
2XD CS1339A	04414			3.4	.1339	4.0		63		22		18		0.53	
2XD CS1360A	04416		29		.1360	5/32		2.500		.875		.700		.021	
2XD CS1378A	04418			3.5	.1378	4.0		63		22		18		0.54	
2XD CS1406A	04420	9/64			.1406	5/32		2.500		.875		.700		.022	
2XD CS1417A	04422			3.6	.1417	4.0		63		22		18		0.56	
2XD CS1457A	04424			3.7	.1457	4.0		63		22		18		0.57	
2XD CS1496A	04426			3.8	.1496	4.0		63		22		18		0.59	
2XD CS1520A	04428		24		.1520	5/32		2.500		.875		.700		.024	
2XD CS1535A	04430			3.9	.1535	4.0		63		22		18		0.60	
2XD CS1562A	04432	5/32			.1562	5/32		2.500		.875		.700		.024	
2XD CS1575A	04434			4.0	.1575	4.0		63		22		18		0.62	
2XD CS1590A	04436		21		.1590	3/16		2.500		1.000		.800		.025	
2XD CS1614A	04438			4.1	.1614	5.0		63		26		21		0.64	
2XD CS1654A	04440			4.2	.1654	5.0		63		26		21		0.65	
2XD CS1693A	04442			4.3	.1693	5.0		63		26		21		0.67	
2XD CS1719A	04444	11/64			.1719	3/16		2.500		1.000		.800		.027	
2XD CS1732A	04446			4.4	.1732	5.0		63		26		21		0.68	
2XD CS1772A	04448			4.5	.1772	5.0		63		26		21		0.70	
2XD CS1811A	04450			4.6	.1811	5.0		63		26		21		0.71	
2XD CS1850A	04452			4.7	.1850	5.0		63		26		21		0.73	
2XD CS1875A	04454	3/16			.1875	3/16		2.500		1.000		.800		.029	
2XD CS1890A	04456			4.8	.1890	5.0		63		26		21		0.74	
2XD CS1929A	04458			4.9	.1929	5.0		63		26		21		0.76	

Inch		
D1	Tolerance (h7)	
.0000 - .1181	+0/-0.00039	
.1182 - .2362	+0/-0.00047	
.2363 - .3937	+0/-0.00059	
.3938 - .6250	+0/-0.00071	

Inch		
D2	Tolerance (h6)	
.0000 - .1181	+0/-0.00024	
.1182 - .2362	+0/-0.00031	
.2363 - .3937	+0/-0.00035	
.3938 - .6250	+0/-0.00043	

Metric (mm)		
D1	Tolerance (h7)	
0 - 3.0	+0/-0.010	
3.01 - 6.0	+0/-0.012	
6.01 - 10.0	+0/-0.015	
10.01 - 16.0	+0/-0.018	

Metric (mm)		
D2	Tolerance (h6)	
0 - 3.0	+0/-0.006	
3.01 - 6.0	+0/-0.008	
6.01 - 10.0	+0/-0.009	
10.01 - 16.0	+0/-0.011	

