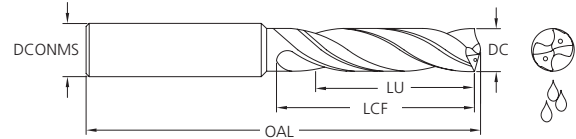
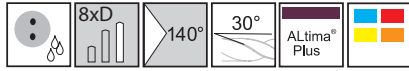


CYCLONE CXD 8xD - Series CXDCL

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



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

ALtima® Plus		DC (m7)				DCONMS (h6)	OAL	LCF
Tool No.	EDP	Inch	Letter/ Wire	mm	Decimal	mm	mm	mm
CXDCLM0300AP	07226			3.0	.1181	3	81	33
CXDCL1200AP	07227		#31	3.05	.1200	4	92	44
CXDCLM0310AP	07098			3.1	.1220	4	92	44
CXDCL1250AP	07099	1/8		3.18	.1250	4	92	44
CXDCLM0320AP	07100			3.2	.1260	4	92	44
CXDCLM0325AP	07101			3.25	.1280	4	92	44
CXDCL1285AP	07102		#30	3.26	.1285	4	92	44
CXDCLM0330AP	07103			3.3	.1299	4	92	44
CXDCLM0340AP	07104			3.4	.1339	4	92	44
CXDCL1360AP	07105		#29	3.45	.1360	4	92	44
CXDCLM0350AP	07106			3.5	.1378	4	92	44
CXDCL1406AP	07107	9/64		3.57	.1406	4	92	44
CXDCLM0360AP	07108			3.6	.1417	4	92	44
CXDCLM0370AP	07109			3.7	.1457	4	92	44
CXDCL1496AP	07110		#25	3.8	.1496	4	92	44
CXDCL1520AP	07111		#24	3.86	.1520	4	92	44
CXDCLM0390AP	07112			3.9	.1535	4	92	44
CXDCL1562AP	07113	5/32		3.97	.1562	4	92	44
CXDCLM0400AP	07114			4.0	.1575	4	92	44
CXDCL1590AP	07115		#21	4.04	.1590	5	100	45
CXDCLM0410AP	07116			4.1	.1614	5	100	45
CXDCLM0420AP	07117			4.2	.1654	5	100	45
CXDCLM0430AP	07118			4.3	.1693	5	100	45
CXDCL1719AP	07119	11/64		4.37	.1719	5	100	45
CXDCLM0440AP	07120			4.4	.1732	5	100	45
CXDCLM0450AP	07121			4.5	.1772	5	100	45
CXDCLM0460AP	07122			4.6	.1811	5	100	45
CXDCLM0465AP	07123			4.65	.1831	5	100	45
CXDCLM0470AP	07124			4.7	.1850	5	100	45
CXDCL1875AP	07125	3/16		4.76	.1875	5	100	45
CXDCLM0480AP	07126			4.8	.1890	5	100	50

Cyclone XD Drills
Series CXDCL

Inch		Tolerance (m7)
DC		
.0000 - .1181		+0.0008/+0.0047
.1182 - .2362		+0.0016/+0.0063
.2363 - .3937		+0.0024/+0.0083
.3938 - .5000		+0.0027/+0.0098

Inch		Tolerance (h6)
DCONMS		
.0000 - .1181		+0/-0.0024
.1182 - .2362		+0/-0.0031
.2363 - .3937		+0/-0.0035
.3938 - .5000		+0/-0.0043

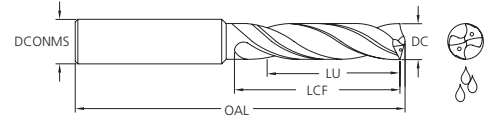
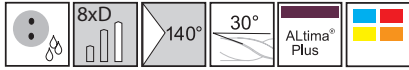
Metric (mm)		Tolerance (m7)
DC		
0 - 3.0		+0.02/+0.12
3.01 - 6.0		+0.04/+0.16
6.01 - 10.0		+0.06/+0.21
10.01 - 12.7		+0.07/+0.25

Metric (mm)		Tolerance (h6)
DCONMS		
0 - 3.0		+0/-0.006
3.01 - 6.0		+0/-0.008
6.01 - 10.0		+0/-0.009
10.01 - 12.7		+0/-0.011



Page 354

CYCLONE CXD 8xD - Series CXDCL *Continued*



Cyclone XD Drills
Series CXDCL

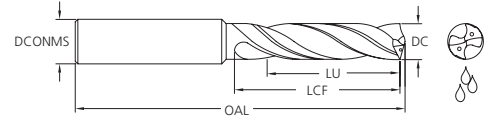
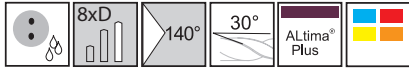
Altima® Plus		DC (m7)				DCONMS (h6)	OAL	LCF
Tool No.	EDP	Inch	Letter/ Wire	mm	Decimal	mm	mm	mm
CXDCLM0490AP	07127			4.9	.1929	5	100	50
CXDCLM0500AP	07128			5.0	.1968	5	100	50
CXDCLM0510AP	07129			5.1	.2008	6	100	57
CXDCL2031AP	07130	13/64		5.16	.2031	6	100	57
CXDCLM0520AP	07131			5.2	.2047	6	100	57
CXDCLM0530AP	07132			5.3	.2087	6	100	57
CXDCLM0540AP	07133			5.4	.2126	6	100	57
CXDCLM0550AP	07134			5.5	.2165	6	100	57
CXDCL2187AP	07135	7/32		5.56	.2187	6	100	57
CXDCLM0560AP	07136			5.6	.2205	6	100	57
CXDCL2210AP	07137		#2	5.61	.2210	6	100	57
CXDCLM0570AP	07138			5.7	.2244	6	100	57
CXDCLM0580AP	07139			5.8	.2283	6	100	57
CXDCLM0590AP	07140			5.9	.2323	6	100	57
CXDCL2344AP	07141	15/64		5.95	.2344	6	100	57
CXDCLM0600AP	07142			6.0	.2362	6	100	57
CXDCLM0610AP	07143			6.1	.2402	8	118	76
CXDCL2420AP	07144		C	6.15	.2420	8	118	76
CXDCLM0620AP	07145			6.2	.2441	8	118	76
CXDCL2460AP	07146		D	6.25	.2460	8	118	76
CXDCLM0630AP	07147			6.3	.2480	8	118	76
CXDCL2500AP	07148	1/4		6.35	.2500	8	118	76
CXDCLM0640AP	07149			6.4	.2520	8	118	76
CXDCLM0650AP	07150			6.5	.2559	8	118	76
CXDCL2570AP	07151		F	6.53	.2570	8	118	76
CXDCLM0660AP	07152			6.6	.2598	8	118	76
CXDCL2610AP	07153		G	6.63	.2610	8	118	76
CXDCLM0670AP	07154			6.7	.2638	8	118	76
CXDCL2656AP	07155	17/64		6.75	.2656	8	118	76
CXDCLM0680AP	07156			6.8	.2677	8	118	76
CXDCLM0690AP	07157			6.9	.2717	8	118	76
CXDCLM0700AP	07158			7.0	.2756	8	118	76
CXDCLM0710AP	07159			7.1	.2795	8	118	76
CXDCL2812AP	07160	9/32		7.14	.2812	8	118	76
CXDCLM0720AP	07161			7.2	.2835	8	118	76



Altima® Plus		DC (m7)				DONMS (h6)	OAL	LCF
Tool No.	EDP	Inch	Letter/ Wire	mm	Decimal	mm	mm	mm
CXDCLM0730AP	07162			7.3	.2874	8	118	76
CXDCLM0740AP	07163			7.4	.2913	8	118	76
CXDCLM0750AP	07164			7.5	.2953	8	118	76
CXDCL2969AP	07165	19/64		7.54	.2969	8	118	76
CXDCLM0760AP	07166			7.6	.2992	8	118	76
CXDCLM0770AP	07167			7.7	.3031	8	118	76
CXDCLM0780AP	07168			7.8	.3071	8	118	76
CXDCLM0790AP	07169			7.9	.3110	8	118	76
CXDCL3125AP	07170	5/16		7.94	.3125	8	118	76
CXDCLM0800AP	07171			8.0	.3150	8	118	76
CXDCLM0810AP	07172			8.1	.3189	10	139	87
CXDCLM0820AP	07173			8.2	.3228	10	139	87
CXDCLM0830AP	07174			8.3	.3268	10	139	87
CXDCL3281AP	07175	21/64		8.33	.3281	10	139	87
CXDCLM0840AP	07176			8.4	.3307	10	139	87
CXDCL3320AP	07177		Q	8.43	.3320	10	139	87
CXDCLM0850AP	07178			8.5	.3346	10	139	87
CXDCLM0860AP	07179			8.6	.3386	10	139	87
CXDCLM0870AP	07180			8.7	.3425	10	139	87
CXDCL3438AP	07181	11/32		8.73	.3438	10	139	87
CXDCLM0880AP	07182			8.8	.3465	10	139	87
CXDCLM0890AP	07183			8.9	.3504	10	139	87
CXDCLM0900AP	07184			9.0	.3543	10	139	87
CXDCLM0910AP	07185			9.1	.3583	10	139	95
CXDCL3594AP	07186	23/64		9.13	.3594	10	139	95
CXDCLM0920AP	07187			9.2	.3622	10	139	95
CXDCLM0925AP	07188			9.25	.3642	10	139	95
CXDCLM0930AP	07189			9.3	.3661	10	139	95
CXDCL3680AP	07190		U	9.35	.3680	10	139	95
CXDCLM0940AP	07191			9.4	.3701	10	139	95
CXDCLM0950AP	07192			9.5	.3740	10	139	95
CXDCL3750AP	07193	3/8		9.52	.3750	10	139	95
CXDCLM0960AP	07194			9.6	.3780	10	139	95
CXDCLM0970AP	07195			9.7	.3819	10	139	95
CXDCL3858AP	07196		W	9.8	.3858	10	139	95
CXDCLM0990AP	07197			9.9	.3898	10	139	95
CXDCL3906AP	07198	25/64		9.92	.3906	10	139	95
CXDCLM1000AP	07199			10.0	.3937	10	139	95
CXDCLM1010AP	07200			10.1	.3976	12	155	106
CXDCLM1020AP	07201			10.2	.4016	12	155	106
CXDCLM1030AP	07202			10.3	.4055	12	155	106
CXDCL4062AP	07203	13/32		10.32	.4062	12	155	106
CXDCLM1040AP	07204			10.4	.4094	12	155	106



CYCLONE CXD 8xD - Series CXDCL *Continued*



Cyclone XD Drills
Series CXDCL

Altima® Plus		DC (m7)				DCONMS (h6)	OAL	LCF
Tool No.	EDP	Inch	Letter/ Wire	mm	Decimal	mm	mm	mm
CXDCLM1050AP	07205			10.5	.4134	12	155	106
CXDCLM1060AP	07206			10.6	.4173	12	155	106
CXDCLM1070AP	07207			10.7	.4213	12	155	106
CXDCL4219AP	07208	27/64		10.72	.4219	12	155	106
CXDCLM1080AP	07209			10.8	.4252	12	155	106
CXDCLM1090AP	07210			10.9	.4291	12	155	106
CXDCLM1100AP	07211			11.0	.4331	12	155	106
CXDCLM1110AP	07212			11.1	.4370	12	163	114
CXDCL4375AP	07213	7/16		11.11	.4375	12	163	114
CXDCLM1120AP	07214			11.2	.4409	12	163	114
CXDCLM1130AP	07215			11.3	.4449	12	163	114
CXDCLM1140AP	07216			11.4	.4488	12	163	114
CXDCLM1150AP	07217			11.5	.4527	12	163	114
CXDCLM1160AP	07218			11.6	.4567	12	163	114
CXDCLM1170AP	07219			11.7	.4606	12	163	114
CXDCLM1180AP	07220			11.8	.4646	12	163	114
CXDCLM1190AP	07221			11.9	.4685	12	163	114
CXDCL4688AP	07222	15/32		11.91	.4688	12	163	114
CXDCLM1200AP	07223			12.0	.4724	12	163	114
CXDCLM1210AP	07228			12.1	.4764	14	182	133
CXDCL4844AP	07224	31/64		12.3	.4844	14	182	133
CXDCLM1250AP	07229			12.5	.4921	14	182	133
CXDCL5000AP	07225	1/2		12.7	.5000	14	182	133
CXDCLM1280AP	07230			12.8	.5039	14	182	133
CXDCLM1290AP	07231			12.9	.5079	14	182	133
CXDCLM1300AP	07232			13.0	.5118	14	182	133
CXDCL5156AP	07233	33/64		13.10	.5156	14	182	133
CXDCL5312AP	07234	17/32		13.49	.5312	14	182	133
CXDCLM1350AP	07235			13.5	.5315	14	182	133
CXDCLM1370AP	07236			13.7	.5394	14	182	133
CXDCL5469AP	07237	35/64		13.89	.5469	14	182	133
CXDCLM1400AP	07238			14.0	.5512	14	182	133
CXDCL5625AP	07239	9/16		14.29	.5625	16	204	152
CXDCLM1450AP	07240			14.5	.5709	16	204	152
CXDCLM1470AP	07241			14.7	.5787	16	204	152



ALtima® Plus		DC (m7)				DCONMS (h6)	OAL	LCF
Tool No.	EDP	Inch	Letter/ Wire	mm	Decimal	mm	mm	mm
CXDCLM1500AP	07242			15.0	.5906	16	204	152
CXDCL5938AP	07243	19/32		15.08	.5938	16	204	152
CXDCLM1530AP	07244			15.3	.6024	16	204	152
CXDCLM1550AP	07245			15.5	.6102	16	204	152
CXDCLM1570AP	07246			15.7	.6181	16	204	152
CXDCL6250AP	07247	5/8		15.88	.6250	16	204	152
CXDCLM1600AP	07248			16.0	.6299	16	204	152

