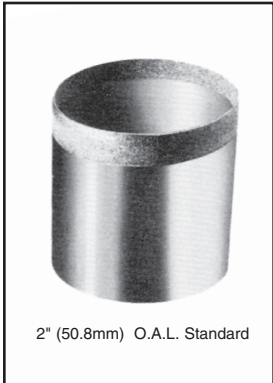




MAGNICON BOND DIAMOND CORE DRILLS

Metal Bond Diamond Core Drills For Glass, Ceramics and Other Hard Non-Metallic Materials



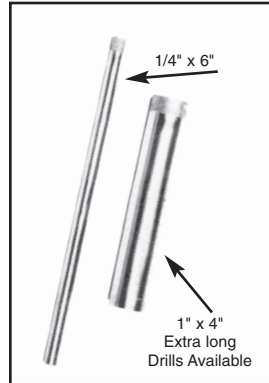
2" (50.8mm) O.A.L. Standard

Starlite metal bond diamond core drills are the finest core drills manufactured in the world. Diamonds held in a metal matrix bond for core drilling glass, alumina quartz, ruby, yag, silicon and other hard abrasive non-metallic ceramics. Starting speed and feed recommendations for glass are as follows:

Feed 20 to 35 P.S.I.

3/32" to 1/2"	2,400 to 1,800 R.P.M.*
9/16" to 1 1/2"	1,800 to 1,250 R.P.M.
1 9/16" to 2 1/2"	1,250 to 850 R.P.M.
2 3/4" to 3"	850 to 650 R.P.M.
3 1/4" to 5"	650 to 200 R.P.M.

*Higher speeds may show increased performance.



A unique cutting tool, Starlite metal bond core drills have the highest concentration 150 with 108 cts. of diamond per cubic inch of drill. Starlite's metal bond diamond core drills are engineered and designed to have a uniform mixture of diamond in a metal bond matrix. This high concentration of diamond means both long-lasting drill and a very fast drill through the workpiece. Starlite's core drills require minimum pressure to achieve very fast cycle times through the workpiece. Starlite's unique thin wall design means less pressure on the work piece, thus chipping and breakout are reduced. Average air pressure 20 to 35 P.S.I., less pressure for hydraulic.

PART NO.		ENGLISH		METRIC	
NOT MOUNTED	MOUNTED	O.D.	I.D.	O.D.	I.D.
101005	102005	3/32	.043	2.38	1.09
101007	102007	.098	.048	2.50	1.22
101010	102010	7/64	.059	2.78	1.49
101012	102012	.118	.068	3.00	1.73
101015	102015	1/8	.075	3.18	1.90
101020	102020	9/64	.090	3.57	2.29
101025	102025	5/32	.106	4.00	2.69
101030	102030	11/64	.121	4.37	3.07
101032	102032	.177	.127	4.50	3.22
101035	102035	3/16	.137	4.80	3.48
101037	102037	.197	.147	5.00	3.73
101040	102040	13/64	.153	5.16	3.89
101045	102045	7/32	.169	5.56	4.29
101050	102050	15/64	.184	6.00	4.67
101055	102055	1/4	.200	6.35	5.08
101057	102057	.256	.205	6.50	5.20
101060	102060	17/64	.215	6.75	5.46
101062	102062	.276	.225	7.00	5.71
101065	102065	9/32	.231	7.15	5.87
101070	102070	19/64	.247	7.55	6.27
101075	102075	5/16	.262	8.00	6.65
101080	102080	21/64	.278	8.33	7.06
101082	102082	.335	2.85	8.50	7.23
101085	102085	11/32	.294	8.75	7.47
101087	102087	.354	.299	9.00	7.60
101090	102090	23/64	.309	9.13	7.85
101095	102095	3/8	.325	9.53	8.25
101100	102100	25/64	.340	10.00	8.64
101105	102105	13/32	.356	10.32	9.04
101107	102107	.413	.360	10.50	9.15
101110	102110	27/64	.372	10.72	9.45
101112	102112	.433	.378	11.00	9.60
101115	102115	7/16	.387	11.11	9.82
101120	102120	29/64	.403	11.51	10.24
101125	102125	15/32	.419	12.00	10.64
101130	102130	31/64	.434	12.30	11.02
101132	102132	.492	.441	12.50	11.20
101135	102135	1/2	.446	12.70	11.32
101137	102137	.512	.453	13.00	11.51
101140	102140	33/64	.461	13.10	11.71
101145	102145	17/32	.473	13.50	12.01
101150	102150	35/64	.489	13.90	12.42
101152	102152	.552	.489	14.00	12.42
101155	102155	9/16	.504	14.30	12.80
101157	102157	.571	.507	14.50	12.88
101160	102160	37/64	.520	14.69	13.21
101162	102162	.591	.529	15.00	13.44
101165	102165	19/32	.536	15.08	13.61
101170	102170	39/64	.551	15.50	14.00
101175	102175	5/8	.556	15.88	14.38
101177	102177	.630	.567	16.00	14.40
101180	102180	41/64	.583	16.27	14.81
101182	102182	.650	.587	16.50	14.91
101185	102185	21/32	.598	16.67	15.19
101190	102190	43/64	.614	17.07	15.60
101195	102195	11/16	.629	17.47	16.00
101200	102200	45/64	.645	17.86	16.38
101202	102202	.709	.650	18.00	16.51
101205	102205	23/32	.660	18.26	16.76
101207	102207	.728	.665	18.50	16.89

PART NO.		ENGLISH		METRIC	
NOT MOUNTED	MOUNTED	O.D.	I.D.	O.D.	I.D.
101210	102210	47/64	.676	18.65	17.17
101215	102215	3/4	.692	19.00	17.58
101220	102220	49/64	.708	19.45	17.98
101225	102225	25/32	.723	19.85	18.36
101227	102227	.788	.723	20.00	18.36
101230	102230	51/64	.739	20.25	18.77
101232	102232	.807	.749	20.50	19.02
101235	102235	13/16	.754	20.64	19.15
101240	102240	53/64	.770	21.04	19.55
101245	102245	27/32	.786	21.43	19.96
101250	102250	55/64	.801	21.83	20.35
101252	102252	.866	.803	22.00	20.40
101255	102255	7/8	.817	22.23	20.75
101257	102257	.886	.817	22.50	20.75
101260	102260	57/64	.833	22.63	21.16
101265	102265	29/32	.848	23.00	21.54
101270	102270	59/64	.864	23.42	21.95
101274	102274	.945	.887	24.00	22.53
101275	102275	15/16	.879	23.82	22.33
101280	102280	61/64	.895	24.21	22.73
101283	102283	.965	.889	24.50	22.58
101285	102285	31/32	.911	24.61	23.14
101290	102290	63/64	.926	25.00	23.52
101295	102295	1	.940	25.40	23.88
101300	102300	1 1/64	.956	25.75	24.28
101302	102302	1.024	.963	26.00	24.46
101305	102305	1 1/32	.971	26.20	24.66
101310	102310	1 3/64	.987	26.60	25.07
101315	102315	1 1/16	1.000	27.00	25.40
101320	102320	1 5/64	1.018	27.40	25.86
101325	102325	1 3/32	1.034	27.80	26.26
101330	102330	1 7/64	1.049	28.20	26.65
101335	102335	1 1/8	1.065	28.58	27.05
101340	102340	1 9/64	1.081	29.00	27.46
101345	102345	1 5/32	1.095	29.37	27.81
101350	102350	1 11/64	1.112	29.77	28.24
101353	102353	1.181	1.121	30.00	28.47
101355	102355	1 3/16	1.127	30.16	28.63
101360	102360	1 13/64	1.143	30.56	29.04
101365	102365	1 7/32	1.159	31.00	29.44
101370	102370	1 15/64	1.174	31.35	29.82
101375	102375	1 1/4	1.190	31.75	30.23
101377	102377	1.260	1.195	32.00	30.35
101380	102380	1 17/64	1.205	32.15	30.61
101385	102385	1 9/32	1.221	32.55	31.01
101390	102390	1 19/64	1.237	32.95	31.42
101395	102395	1 5/16	1.252	33.34	31.80
101400	102400	1 21/64	1.268	33.74	32.21
101402	102402	1.339	1.284	34.00	32.61
101405	102405	1 11/32	1.284	34.14	32.61
101410	102410	1 23/64	1.299	34.52	32.99
101415	102415	1 3/8	1.315	34.93	33.40
101420	102420	1 25/64	1.331	35.54	33.81
101425	102425	1 13/32	1.346	35.72	34.19
101427	102427	1.417	1.355	36.00	34.42
101430	102430	1 27/64	1.362	36.12	34.59
101435	102435	1 7/16	1.377	36.53	34.98
101440	102440	1 29/64	1.393	36.90	35.38
101445	102445	1 15/32	1.405	37.31	35.69
101447	102447	1.476	1.411	37.50	35.84