

ENDMILLS

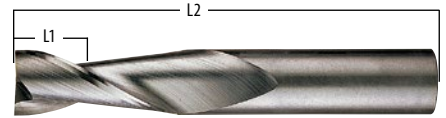
SOLID CARBIDE – SQUARE END

- Solid micro-grain carbide
- Available in 2, 3 and 4-flute models
- Right-hand cutting direction
- Centre cut - designed to plunge cut or drill to depth and then mill sideways into work
- Bright finish

Applications:

For machining tough work hardening metals, stainless steel, titanium, monel, inconel, and super alloys.

CLARKSON OSBORN



Fractional Size"	Decimal Equiv"	Shank Ø	Overall L1"	Flute L2"	2-Flute Model No.	Price /Each	3-Flute Model No.	Price /Each	4-Flute Model No.	Price /Each
1/32	0.0313	1/8	5/64	1 1/2	BK909	-	-	-	BK966	-
3/64	0.0469	1/8	7/64	1 1/2	BK910	-	-	-	BK967	-
1/16	0.0625	1/8	3/16	1 1/2	BK911	-	BK947	-	BK968	-
5/64	0.0781	1/8	3/16	1 1/2	BK912	-	TBM176	-	BK969	-
3/32	0.0938	1/8	9/32	1 1/2	BK913	-	BK948	-	BK970	-
7/64	0.1094	1/8	3/8	1 1/2	BK914	-	TBM177	-	BK971	-
1/8	0.1250	1/8	1/2	1 1/2	BK915	-	BK949	-	BK972	-
9/64	0.1406	3/16	1/2	2	BK916	-	TBM178	-	BK973	-
5/32	0.1563	3/16	1/2	2	BK917	-	BK950	-	BK974	-
11/64	0.1719	3/16	5/8	2	BK918	-	BK951	-	BK975	-
3/16	0.1875	3/16	5/8	2	BK919	-	BK952	-	BK976	-
13/64	0.2031	1/4	5/8	2 1/2	BK920	-	TBM179	-	BK977	-
7/32	0.2188	1/4	5/8	2 1/2	BK921	-	BK953	-	BK978	-
15/64	0.2344	1/4	3/4	2 1/2	BK922	-	BK954	-	BK979	-
1/4	0.2500	1/4	3/4	2 1/2	BK923	-	BK955	-	BK980	-
17/64	0.2656	5/16	3/4	2 1/2	BK924	-	TBM180	-	BK981	-
9/32	0.2813	5/16	3/4	2 1/2	BK925	-	TBM181	-	BK982	-
19/64	0.2969	5/16	13/16	2 1/2	BK926	-	TBM182	-	BK983	-
5/16	0.3125	5/16	13/16	2 1/2	BK927	-	BK956	-	BK984	-
21/64	0.3281	3/8	1	2 1/2	BK928	-	-	-	BK985	-
11/32	0.3438	3/8	1	2 1/2	BK929	-	TBM184	-	BK986	-
23/64	0.3594	3/8	1	2 1/2	BK930	-	TBM185	-	BK987	-
3/8	0.3750	3/8	1	2 1/2	BK931	-	BK957	-	BK988	-
25/64	0.3906	7/16	1	2 3/4	TBM175	-	TBM186	-	TBM193	-
13/32	0.4063	7/16	1	2 3/4	BK932	-	BK958	-	BK989	-
27/64	0.4219	7/16	1	2 3/4	BK933	-	TBM187	-	TBM194	-
7/16	0.4375	7/16	1	2 3/4	BK934	-	BK959	-	BK990	-
29/64	0.4531	1/2	1	3	BK935	-	TBM188	-	TBM195	-
15/32	0.4688	1/2	1	3	BK936	-	TBM189	-	BK991	-
31/64	0.4844	1/2	1	3	BK937	-	TBM190	-	TBM196	-
1/2	0.5000	1/2	1	3	BK938	-	BK960	-	BK992	-
9/16	0.5625	9/16	1 1/8	3 1/2	BK939	-	TBM191	-	BK993	-
5/8	0.6250	5/8	1 1/4	3 1/2	BK940	-	BK961	-	BK994	-
11/16	0.6875	3/4	1 3/8	4	BK941	-	TBM192	-	BK995	-
3/4	0.7500	3/4	1 1/2	4	BK942	-	BK962	-	BK996	-
7/8	0.8750	7/8	1 1/2	4	BK943	-	BK963	-	BK997	-
1	1.0000	1	1 1/2	4	BK944	-	BK964	-	BK998	-

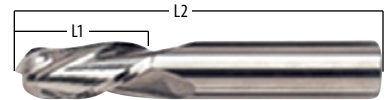
SOLID CARBIDE – BALL END

- Solid micro-grain carbide
- Available in 2, 3 and 4-flute models
- Right-hand cutting direction
- Centre cut - designed to plunge cut or drill to depth and then mill sideways into work
- Bright finish

Applications:

for machining tough work hardening metals, stainless steel, titanium, monel, inconel, and super alloys

CLARKSON OSBORN



Fractional Size"	Decimal Equiv"	Shank Ø	Overall L1"	Flute L2"	2-Flute Model No.	Price /Each	3-Flute Model No.	Price /Each	4-Flute Model No.	Price /Each
1/32	0.0313	1/8	5/64	1 1/2	BL001	-	-	-	BL044	-
3/64	0.0469	1/8	7/64	1 1/2	BL002	-	-	-	BL045	-
1/16	0.0625	1/8	3/16	1 1/2	BL003	-	BL033	-	BL046	-
5/64	0.0781	1/8	3/16	1 1/2	BL004	-	TBM203	-	BL047	-
3/32	0.0938	1/8	9/32	1 1/2	BL005	-	BL034	-	BL048	-
7/64	0.1094	1/8	3/8	1 1/2	BL006	-	TBM204	-	BL049	-
1/8	0.1250	1/8	1/2	1 1/2	BL007	-	BL035	-	BL050	-
9/64	0.1406	3/16	1/2	2	BL008	-	TBM205	-	BL051	-
5/32	0.1563	3/16	1/2	2	BL009	-	BL036	-	BL052	-
11/64	0.1719	3/16	5/8	2	BL010	-	TBM206	-	TBM223	-
3/16	0.1875	3/16	5/8	2	BL011	-	BL037	-	BL053	-
13/64	0.2031	1/4	5/8	2 1/2	BL012	-	TBM207	-	BL054	-
7/32	0.2188	1/4	5/8	2 1/2	BL013	-	TBM208	-	BL055	-
15/64	0.2344	1/4	3/4	2 1/2	BL014	-	TBM209	-	TBM224	-
1/4	0.2500	1/4	3/4	2 1/2	BL015	-	BL038	-	BL056	-
17/64	0.2656	5/16	3/4	2 1/2	BL016	-	TBM210	-	BL057	-
9/32	0.2813	5/16	3/4	2 1/2	BL017	-	TBM211	-	BL058	-
19/64	0.2969	5/16	13/16	2 1/2	BL018	-	TBM212	-	TBM225	-
5/16	0.3125	5/16	13/16	2 1/2	BL019	-	BL039	-	BL059	-
21/64	0.3281	3/8	1	2 1/2	BL020	-	TBM213	-	TBM226	-
11/32	0.3438	3/8	1	2 1/2	BL021	-	TBM214	-	BL060	-
23/64	0.3594	3/8	1	2 1/2	TBM197	-	TBM215	-	TBM227	-
3/8	0.3750	3/8	1	2 1/2	BL022	-	BL040	-	BL061	-
25/64	0.3906	7/16	1	2 3/4	TBM198	-	TBM216	-	TBM228	-
13/32	0.4063	7/16	1	2 3/4	BL023	-	TBM217	-	BL062	-
27/64	0.4219	7/16	1	2 3/4	TBM199	-	TBM218	-	TBM229	-
7/16	0.4375	7/16	1	2 3/4	BL024	-	BL041	-	BL063	-
29/64	0.4531	1/2	1	3	TBM200	-	TBM219	-	TBM230	-
15/32	0.4688	1/2	1	3	BL025	-	TBM220	-	TBM231	-
31/64	0.4844	1/2	1	3	BL026	-	TBM221	-	TBM232	-
1/2	0.5000	1/2	1	3	BL027	-	BL042	-	BL064	-
9/16	0.5625	9/16	1 1/8	3 1/2	BL028	-	TBM222	-	BL065	-
5/8	0.6250	5/8	1 1/4	3 1/2	BL029	-	-	-	BL066	-
11/16	0.6875	3/4	1 3/8	4	TBM201	-	-	-	TBM233	-
3/4	0.7500	3/4	1 1/2	4	BL030	-	-	-	BL067	-
7/8	0.8750	7/8	1 1/2	4	TBM202	-	-	-	BL068	-
1	1.0000	1	1 1/2	4	BL031	-	-	-	BL069	-