



## Endmills

### SOLID CARBIDE - SQUARE END

- Solid micro-grain carbide
- Available in 2 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

#### LONG LENGTH SERIES

Cutting Ø"	Shank Ø"	L1"	L"	2-Flute Model No.	Price /Each	4-Flute Model No.	Price /Each
1/8	0.1250	3/4	2 1/4	TBM252		BL078	
3/16	0.1875	3/4	2 1/4	BL070		BL079	
1/4	0.2500	1 1/8	3	BL071		BL080	
5/16	0.3125	1 1/8	3	BL072		BL081	
3/8	0.3750	1 1/8	3	BL073		BL082	
7/16	0.4375	2	4 1/2	BL074		BL083	
1/2	0.5000	2	4 1/2	BL075		BL084	
5/8	0.6250	2 1/4	5	BL076		BL085	
3/4	0.7500	2 1/4	5	BL077		BL086	
1	1.0000	2 1/4	5	TBM253		BL087	

### SOLID CARBIDE - BALL END

- Solid micro-grain carbide
- Available in 2 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

#### LONG LENGTH SERIES

Cutting Ø"	Shank Ø"	L1"	L"	2-Flute Model No.	Price /Each	4-Flute Model No.	Price /Each
1/8	0.1250	3/4	2 1/4	TBM265		TBM268	
3/16	0.1875	3/4	2 1/2	BL088		TBM269	
1/4	0.2500	1 1/8	3	BL089		BL095	
5/16	0.3125	1 1/8	3	BL090		BL096	
3/8	0.3750	1 1/8	3	BL091		BL097	
7/16	0.4375	2	4 1/2	TBM266		BL098	
1/2	0.5000	2	4 1/2	BL092		BL099	
5/8	0.6250	2 1/4	5	BL093		TBM270	
3/4	0.7500	2 1/4	5	BL094		TBM271	
1	1.0000	2 1/4	5	TBM267		BL100	

## Screw Extractors

- Left-hand cut
- High speed steel
- Punch point
- Spiral flute

#### Applications:

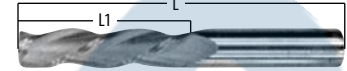
Remove broken screws, bolts, studs, pipe and lubrication fittings without damage to the threaded hole. Designed with a left-hand helical flute to firmly grip and remove any right hand threaded screw or bolt from 3/16" to 1 3/4" in size.

Model No.	Size	Drill Size to Use"	For Screw /Bolt Sizes"	Price /Each
BM708	1	5/64	3/16 to 1/4	
BM709	2	7/64	1/4 to 5/16	
BM710	3	5/32	5/16 to 7/16	
BM711	4	1/4	7/16 to 9/16	
BM712	5	17/64	9/16 to 3/4	
BM713	6	13/32	3/4 to 1	
BM714	7	17/32	1-1 3/8	
BM715	8	13/16	1 3/8 to 1 3/4	

#### SETS

Model No.	Includes	Price /Each
BM716	5-piece set, includes extractor #1 to #5	
BM717	6-piece set, includes extractor #1 to #6	
BM718	8-piece set, includes extractor #1 to #8	

## CLARKSON OSBORN



#### EXTRA LONG LENGTH

Cutting Ø"	Shank Ø"	L1"	L"	2-Flute Model No.	Price /Each	4-Flute Model No.	Price /Each
1/8	0.1250	1	3	TBM248		TBM250	
3/16	0.1875	1 1/8	3	BL101		BL109	
1/4	0.2500	1 1/2	4	BL102		BL110	
5/16	0.3125	1 5/8	4	BL103		BL111	
3/8	0.3750	1 3/4	4	BL104		BL112	
7/16	0.4375	3	6	TBM249		TBM251	
1/2	0.5000	3	6	BL105		BL113	
5/8	0.6250	3	6	BL106		BL114	
3/4	0.7500	3	6	BL107		BL115	
1	1.0000	3	6	BL108		BL116	

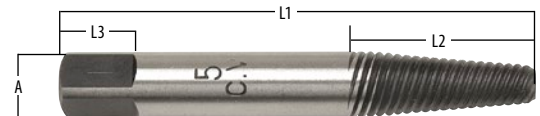
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#### EXTRA LONG LENGTH

Cutting Ø"	Shank Ø"	L1"	L"	2-Flute Model No.	Price /Each	4-Flute Model No.	Price /Each
1/8	0.1250	1	3	TBM254		TBM260	
3/16	0.1875	1 1/8	3	BL117		BL121	
1/4	0.2500	1 1/2	4	BL118		BL122	
5/16	0.3125	1 5/8	4	TBM255		BL123	
3/8	0.3750	1 3/4	4	TBM256		BL124	
7/16	0.4375	3	6	TBM257		TBM261	
1/2	0.5000	3	6	BL119		BL125	
5/8	0.6250	3	6	TBM258		TBM262	
3/4	0.7500	3	6	BL120		TBM263	
1	1.0000	3	6	TBM259		TBM264	

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BM718