

GENERAL PURPOSE E22 END MILLS

For general milling applications

2 Helical Flutes

For plunging, slotting, contouring and heavy peripheral cuts

E22

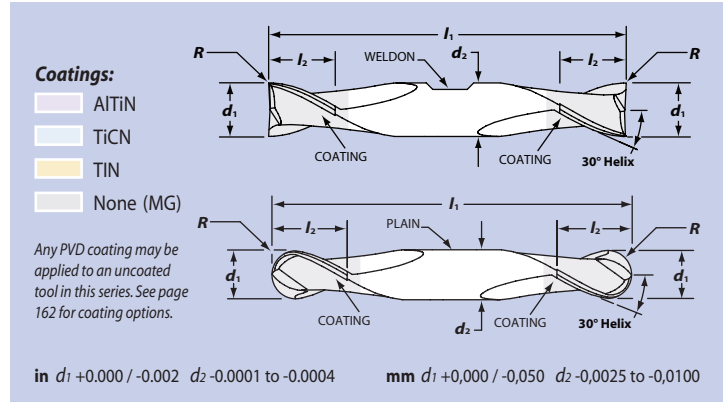


E22 • Square



E22B • Ball

- Center cutting
- Available in stub and standard length
- Double ended for extra value



	AlTiN Spector	TiCN Accelerator	MG Uncoated	TiN auCARB
Carbon & tool steels ≤ 48 HRC	✓✓	✓	✓	✓
Stainless steels	✓	✓		
Cast irons	✓✓	✓	✓	✓
Aluminum and non-ferrous	✓	✓✓✓	✓✓	✓

✓ Suitable ✓✓ Good ✓✓✓ Recommended

Inch							Standard						Obsolete*	
d ₁ Cutter Dia	d ₂ Shank Dia	l ₂ Length of Cut	l ₁ Overall Length	R Corner Radius	Shank Style	Style Code	AlTiN EDP Number	List Price	TiCN EDP Number	List Price	MG EDP Number	List Price	TiN EDP Number	List Price
1/32	1/8	1/16	1-1/2	Square	Plain	SR	31802	22.31			31830	19.91		
		1/16	1-1/2	Ball	Plain	SR	32001	27.61			32025	24.02		
3/64	1/8	3/32	1-1/2	Square	Plain	SR	31826	22.31			31831	19.91		
		3/32	1-1/2	Ball	Plain	SR	32002	27.61			32027	24.02		
1/16	1/8	1/8	1-1/2	Square	Plain	SR	31827	17.63	31864	18.10	31803	15.04		
		1/8	1-1/2	Ball	Plain	SR	32037	20.80			32003	18.62		
5/64	1/8	1/8	1-1/2	Square	Plain	SR	31828	17.63			31832	15.04		
3/32	1/8	3/16	1-1/2	Square	Plain	SR	31829	17.63	31866	18.10	31805	15.04		
		3/16	1-1/2	Ball	Plain	SR	30480	20.80			32005	18.62		
7/64	1/8	3/16	1-1/2	Square	Plain	SR	31849	17.63			31833	15.04		
1/8	1/8	1/4	1-1/2	Square	Plain	SR	31857	15.55	31868	15.76	31807	12.64	31808	15.76
		1/4	1-1/2	Ball	Plain	SR	30579	17.94			32007	15.64		
		3/8	2	Square	Plain	RL					33280	17.09		
		3/8	2	Ball	Plain	RL					33480	20.49		
5/32	3/16	3/8	3-1/16	Square	Weldon	RL					32605	36.98		
		5/16	2	Square	Plain	SR	31858	23.40	31870	23.87	31809	19.96		
		5/16	2	Ball	Plain	SR	30578	27.61			32009	23.71		
	3/8	7/16	3-1/8	Square	Weldon	RL					32607	39.16		

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* Superseded by AlTiN. Add TiN to any uncoated tool. See page 162.

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For general milling applications

Inch • Continued							Standard					Obsolete*		
d_1 Cutter Dia	d_2 Shank Dia	l_2 Length of Cut	l_1 Overall Length	R Corner Radius	Shank Style	Style Code	AlTiN EDP Number	List Price	TiCN EDP Number	List Price	MG EDP Number	List Price	TiN EDP Number	List Price
3/16	3/16	3/8	2	Square	Plain	SR	31860	22.41	31872	22.52	31811	18.51	31812	22.52
		3/8	2	Ball	Plain	SR	30577	26.05			32011	22.27		
		1/2	2-1/2	Square	Plain	RL					33282	20.64		
		1/2	2-1/2	Ball	Plain	RL					33482	24.22		
	3/8	1/2	3-1/4	Square	Weldon	RL					32609	40.64		
7/32	1/4	1/2	2-1/2	Square	Plain	SR	31861	30.68			31813	24.47		
		1/2	2-1/2	Ball	Plain	SR	32061	35.67			32013	29.24		
	3/8	9/16	3-3/8	Square	Weldon	RL					32611	40.91		
1/4	1/4	1/2	2-1/2	Square	Plain	SR	31873	29.74	31876	30.47	31815	23.51	31816	30.47
		1/2	2-1/2	Ball	Plain	SR	32082	34.32			32015	28.13		
		5/8	3	Square	Plain	RL					33284	26.44		
		5/8	3	Ball	Plain	RL					33484	30.40		
5/16	3/8	5/8	3-3/8	Square	Weldon	RL					32613	40.91		
	5/16	1/2	2-1/2	Square	Plain	SR	31882	39.36			31817	30.33		
3/8	3/8	3/4	3-1/2	Square	Weldon	RL					32617	47.00		
		9/16	2-1/2	Square	Plain	SR	31881	40.77	31884	41.96	31819	31.27	31820	41.96
		9/16	2-1/2	Ball	Plain	SR	32095	46.64			32019	37.62		
		3/4	3-1/2	Square	Plain	RL					33286	42.20		
		3/4	3-1/2	Square	Weldon	RL					32621	47.00		
1/2	1/2	3/4	3-1/2	Ball	Plain	RL					33486	50.36		
		5/8	3	Square	Plain	SR	31885	66.30	31892	67.86	31823	53.53	31824	67.86
		5/8	3	Ball	Plain	SR	32097	76.28			32023	64.18		
		1	4	Square	Plain	RL					33288	67.38		
		1	4	Square	Weldon	RL					32625	69.84		
		1	4	Ball	Plain	RL				33488	77.53			

Metric							Standard					Obsolete*		
d_1 Cutter Dia	d_2 Shank Dia	l_2 Length of Cut	l_1 Overall Length	R Corner Radius	Shank Style	Style Code	AlTiN EDP Number	List Price	TiCN EDP Number	List Price	MG EDP Number	List Price	TiN EDP Number	List Price
2	3	3	38	Square	Plain	SR	62352	19.34			30880	17.18		
3	3	6	38	Square	Plain	SR	62354	18.16			30882	16.00		
4	4	8	50	Square	Plain	SR	62356	26.04			30884	22.80		
5	5	10	50	Square	Plain	SR	62358	28.39			30886	24.07		
6	6	12	63	Square	Plain	SR	62359	34.43			30887	29.51		
8	8	12	63	Square	Plain	SR	62360	47.07			30888	41.11		
10	10	14	72	Square	Plain	SR	62361	68.63			30889	57.87		
12	12	16	76	Square	Plain	SR	62362	78.28			30890	67.96		

Style Code Reference
 RL—Regular LOC, Long OAL
 SR—Short LOC, Regular OAL

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