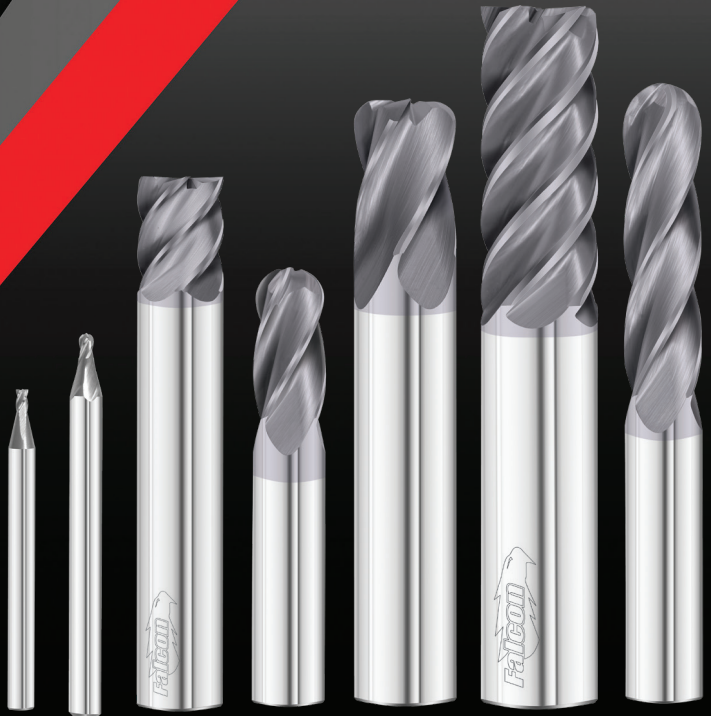


FULLERTON

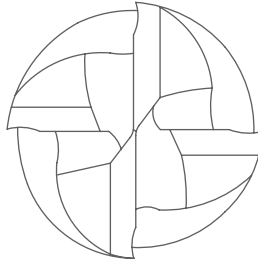
TOOL COMPANY

GENERAL PURPOSE END MILLS



3200

STUB LENGTH / SQUARE



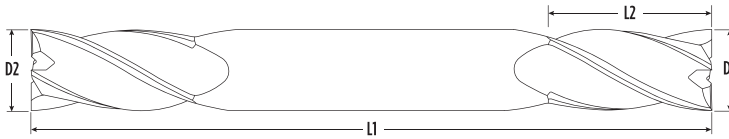
THE 3200 general purpose end mill has 4-flutes and was designed for use in titanium, super alloys, hardened steels, stainless steels, steels, cast iron, brass & copper, and low si aluminum.

It is offered in a variety of configurations and is available with single-end and double-end designs. The 3200 General Purpose end mill is stocked uncoated and with **FC-20, TiAIN, TiCN, and TiN** coatings.

h6 tolerance for conventional and shrink fit applications. Available in Stub, Standard and Extra Long lengths.

Right Hand Spiral / Right Hand Cut
Dura Carb (Micrograin)
Speeds and Feeds, see fullertontool.com

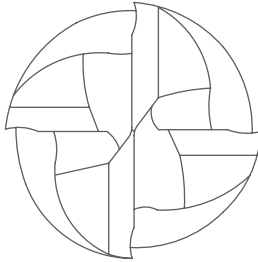
TOLERANCES	DIAMETER	SHANK	30° HELIX
	+0.0000" -0.002"	h6	
	+0.00mm -0.05mm		



D1	L2	D2	L1	EDP	
				UNCOATED	TiAIN
1/32	3/32	1/8	11/2	32439	36001
3/64	1/8	1/8	11/2	32440	36002
1/16	1/8	1/8	11/2	32441	36003
5/64	1/8	1/8	11/2	32519	36004
3/32	3/16	1/8	11/2	32442	36005
7/64	3/16	1/8	11/2	32530	36006
1/8	1/4	1/8	11/2	32443	36007
9/64	5/16	3/16	2	32537	36008
5/32	5/16	3/16	2	32444	36009
11/64	5/16	3/16	2	32538	36010
3/16	3/8	3/16	2	32445	36011
16/64	1/2	1/4	2 1/2	32539	36012
7/32	1/2	1/4	2 1/2	32446	36013
15/64	1/2	1/4	2 1/2	32545	36014
1/4	1/2	1/4	2 1/2	32447	36015
9/32	1/2	5/16	2 1/2	32594	36016
5/16	1/2	5/16	2 1/2	32448	36017
3/8	9/16	3/8	2 1/2	32449	36018
7/16	5/8	7/16	2 3/4	32450	36019
1/2	5/8	1/2	3	32451	36020

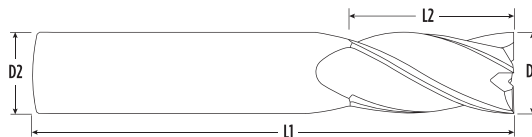
3200

STUB LENGTH / SQUARE



Right Hand Spiral / Right Hand Cut
Dura Carb (Micrograin)
Speeds and Feeds, see fullertontool.com

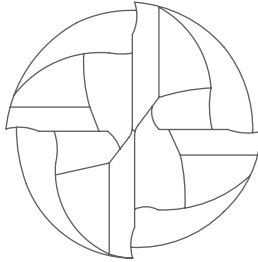
TOLERANCES	DIAMETER	SHANK	30° HELIX
	+0.0000"-.002" +0.00mm -0.05mm	h6	



D1	L2	D2	L1	EDP	
				UNCOATED	TiAIN
1/32	1/16	1/8	1 1/2	32139	32822
3/64	1/8	1/8	1 1/2	32140	32823
1/16	1/8	1/8	1 1/2	32141	32824
5/64	1/8	1/8	1 1/2	32142	32825
3/32	3/16	1/8	1 1/2	32143	32826
7/64	3/16	1/8	1 1/2	32144	32827
1/8	1/4	1/8	1 1/2	32145	32828
5/32	3/8	3/16	2	32146	32829
3/16	3/8	3/16	2	32147	32830
1/4	1/2	1/4	2	32148	32831
5/16	1/2	5/16	2 1/2	32149	32832
3/8	5/8	3/8	2 1/2	32150	32833
7/16	3/4	7/16	2 3/4	32151	32834
1/2	3/4	1/2	3	32152	32835
5/8	1	5/8	3 1/2	32153	32836
3/4	1	3/4	4	32154	32837
1	1	1	4	32155	32838

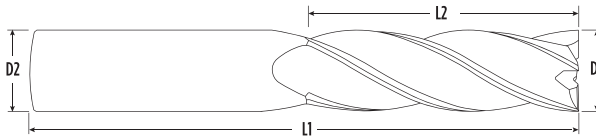
3200

STANDARD LENGTH / SQUARE



Right Hand Spiral / Right Hand Cut
Dura Carb (Micrograin)
Speeds and Feeds, see fullertontool.com

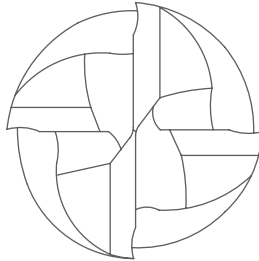
TOLERANCES	DIAMETER	SHANK	30° HELIX
	+0.0000"-.002"	h6	
+0.00mm -0.05mm			



D1	L2	D2	L1	EDP	
				UNCOATED	TiAlN
1/64	3/64	1/8	1 1/2	32001	30604
1/32	3/32	1/8	1 1/2	32002	30605
3/64	3/16	1/8	1 1/2	32003	30606
1/16	1/4	1/8	1 1/2	32004	30607
5/64	1/4	1/8	1 1/2	32005	30608
3/32	3/16	1/8	1 1/2	32006	30609
7/64	1/2	1/8	1 1/2	32007	30610
1/8	1/2	1/8	1 1/2	32008	30611
9/64	9/16	3/16	2	32009	30612
5/32	9/16	3/16	2	32010	30613
11/64	9/16	3/16	2	32650	30614
3/16	5/8	3/16	2	32011	30615
13/64	5/8	1/4	2 1/2	32667	30616
7/32	5/8	1/4	2 1/2	32012	30617
15/64	3/4	1/4	2 1/2	32666	30618
1/4	3/4	1/4	2 1/2	32013	30619
17/64	7/8	5/16	2 1/2	32918	30620
9/32	7/8	5/16	2 1/2	32014	30621
19/64	7/8	5/16	2 1/2	32919	30622
5/16	7/8	5/16	2 1/2	32015	30623
21/64	7/8	3/8	2 1/2	32920	30624
11/32	7/8	3/8	2 1/2	32016	30625
23/64	1	3/8	2 1/2	32921	30626
3/8	1	3/8	2 1/2	32017	30627
25/64	1	7/16	2 3/4	32922	30628
13/32	1	7/16	2 3/4	32900	30629
27/64	1	7/16	2 3/4	32923	30630
7/16	1	7/16	2 3/4	32018	30631
29/64	1	1/2	3	32924	30632
15/32	1	1/2	3	32910	30633
31/64	1	1/2	3	32925	30634
1/2	1	1/2	3	32019	30635
9/16	1 1/4	9/16	3 1/2	32020	30636
5/8	1 1/2	5/8	3 1/2	32021	30637
11/16	1 1/2	3/4	4	32022	30638
3/4	1 1/2	3/4	4	32023	30639
7/8	1 1/2	7/8	4	32024	30640
1	1 1/2	1	4	32025	30641
1 1/8	2	1	4 1/2	32026	-
1 1/4	2	1 1/4	4 1/2	32027	-
1 3/8	2	1 1/4	4 1/2	32028	-
1 1/2	2	1 1/4	4 1/2	32029	-

3200

STANDARD LENGTH / FC20



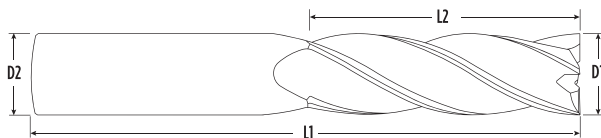
THE 3200FC20 is an affordable and versatile tooling solution that increases feed rates and improves tool life.

It is ideal for roughing and finishing in difficult-to-machine applications without the associated cost of high performance tooling.

Produces increased productivity at a great value.

Right Hand Spiral / Right Hand Cut
Dura Carb (Micrograin)
Speeds and Feeds, see fullertontool.com

TOLERANCES	DIAMETER	SHANK	30° HELIX
	+0.0000"-.002"	h6	
	+0.00mm -0.05mm		



SQUARE

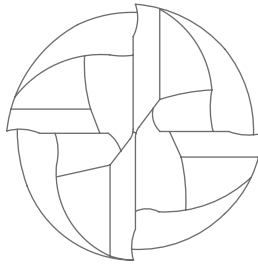
D1	L2	D2	L1	EDP FC20
1/64	3/64	1/8	1 1/2	33500
1/32	3/32	1/8	1 1/2	33501
3/64	3/16	1/8	1 1/2	33502
1/16	1/4	1/8	1 1/2	33503
5/64	1/4	1/8	1 1/2	33504
3/32	3/8	1/8	1 1/2	33505
7/64	1/2	1/8	1 1/2	33506
1/8	1/2	1/8	1 1/2	33507
3/16	5/8	3/16	2	33508
1/4	3/4	1/4	2 1/2	33509
5/16	7/8	5/16	2 1/2	33510
3/8	1	3/8	2 1/2	33511
7/16	1	7/16	2 3/4	33512
1/2	1	1/2	3	33513
9/16	1 1/4	9/16	3 1/2	33514
5/8	1 1/2	5/8	3 1/2	33515
3/4	1 1/2	3/4	4	33516
7/8	1 1/2	7/8	4	33517
1	1 1/2	1	4	33518

CORNER RADIUS

D1	L2	D2	L1	.0150	.0300
				FC20	FC20
3/8	1	3/8	2 1/2	33519	-
1/2	1	1/2	3	-	33520
5/8	1	5/8	3 1/2	-	33521
3/4	1	3/4	4	-	33522

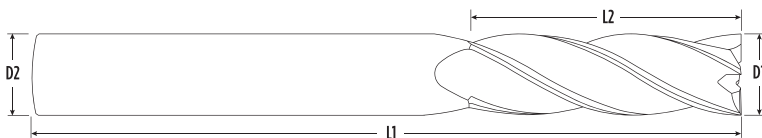
3200

XL LENGTH / SQUARE



Right Hand Spiral / Right Hand Cut
Dura Carb (Micrograin)
Speeds and Feeds, see fullertontool.com

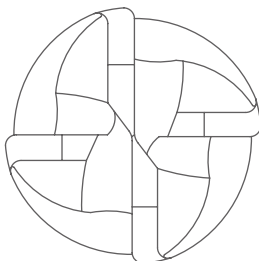
TOLERANCES	DIAMETER	SHANK	30° HELIX
	+.0000"-.002"	h6	
+0.00mm -0.05mm			



D1	L2	D2	L1	EDP	
				UNCOATED	TiAIN
1/8	3/4	1/8	3	30232	30030
	1	1/8	3	32252	30031
3/16	1	3/16	4	30238	30033
	1 1/4	3/16	3	32253	30032
1/4	1	1/4	4	30200	30035
	1 1/8	1/4	3	32550	30034
	1 1/2	1/4	4	32254	30036
5/16	1 1/2	1/4	6	32551	30037
	1	5/16	4	30201	30039
	1 1/8	5/16	3	32574	30038
3/8	1 1/2	5/16	6	32552	30041
	1 5/8	5/16	4	32255	30040
	1	3/8	4	30202	30043
	1 1/8	3/8	3	32578	30042
7/16	1 1/2	3/8	4	30220	30044
	1 1/2	3/8	6	32553	30046
	2	3/8	4	32256	30045
	3	3/8	6	32257	30047
1/2	1	7/16	4	30203	30048
	1 1/2	7/16	6	32554	30050
	2	7/16	4	32258	30049
5/8	3	7/16	6	32259	30051
	1	1/2	4	30204	30053
	1 1/4	1/2	3	30239	30052
	1 1/2	1/2	4	32582	30054
	1 1/2	1/2	6	32555	30056
3/4	2	1/2	4	32260	30055
	3	1/2	6	32261	30057
	1 1/2	5/8	6	30224	30059
	2 1/2	5/8	5	32262	30058
1	3	5/8	6	32263	30060
	1 1/2	3/4	6	30226	30062
	2	3/4	5	32250	30024
	2 1/2	3/4	5	32264	30061
1 1/4	3	3/4	6	32265	30063
	4	3/4	7	32266	30064
	2	1	4 1/2	32267	30065
1 1/2	2 1/2	1	5	32268	30066
	3	1	6	32269	30067
	4	1	7	32270	30068
1 3/4	3	1 1/4	6	32271	-

3200

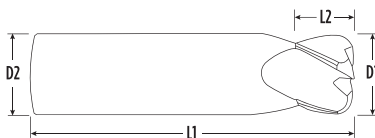
STUB LENGTH / CORNER RADIUS



D1	L2	D2	L1
3/32	3/16	3/32	1 1/2
1/8	1/4	1/8	1 1/2
3/16	3/8	3/16	2
1/4	1/2	1/4	2
5/16	1/2	5/16	2 1/2
3/8	5/8	3/8	2 1/2
1/2	3/4	1/2	3
5/8	1	5/8	3 1/2
1	1	1	4

TOLERANCES	DIAMETER	SHANK	30° HELIX
	+.0000"-.002"	h6	
	+0.00mm -0.05mm		

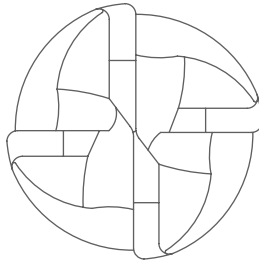
Right Hand Spiral / Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com



.0050	.0100	.0150	.0200	0300	.0600	.0900	.1200	.2500
TiAIN	TiAIN	TiAIN	TiAIN	TiAIN	TiAIN	TiAIN	TiAIN	TiAIN
-	-	-	-	31509	-	-	-	-
31954	31955	31956	31957	31511	-	-	-	-
31958	31959	31960	31961	31519	31520	-	-	-
-	-	31962	31963	31528	31529	31530	-	-
-	-	31964	31965	31544	31545	31546	31547	-
-	-	31966	31967	31556	31557	31558	31559	-
-	-	31968	31969	31584	31585	31586	31587	-
-	-	31970	31971	31600	31601	31602	31603	-
-	-	31972	31973	31612	31613	31614	31615	31974

3200

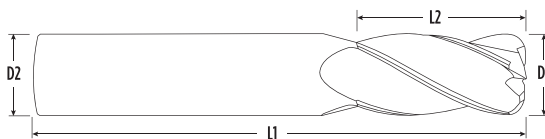
STANDARD LENGTH / CORNER RADIUS



D1	L2	D2	L1	.0050	.0100
				TiAIN	TiAIN
3/32	3/16	1/8	1 1/2	-	-
	3/8	1/8	1 1/2	-	-
7/64	1/2	1/8	1 1/2	-	-
1/8	1/2	1/8	1 1/2	31710	31711
5/32	9/16	3/16	2	31713	31714
3/16	5/8	3/16	2	31717	31718
7/32	5/8	1/4	2 1/2	-	-
1/4	3/4	1/4	2 1/2	-	-
5/16	7/8	5/16	2 1/2	-	-
3/8	1	3/8	2 1/2	-	-
7/16	1	7/16	2 3/4	-	-
1/2	1	1/2	3	-	-
5/8	1 1/2	5/8	3 1/2	-	-
3/4	1 1/2	3/4	4	-	-
1	1 1/2	1	4	-	-

TOLERANCES	DIAMETER	SHANK	30° HELIX
	+.0000"-.002"	h6	
	+0.00mm -0.05mm		

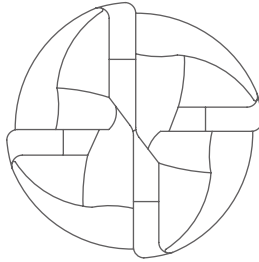
Right Hand Spiral / Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com



.0150	.0200	.0300	.0450	.0600	.0900	.1200	.1250	.2500
TiAIN	TiAIN	TiAIN	TiAIN	TiAIN	TiAIN	TiAIN	TiAIN	TiAIN
-	-	31509	-	-	-	-	-	-
-	-	31510	-	-	-	-	-	-
-	-	31500	-	-	-	-	-	-
33804	33813	31712	-	-	-	-	-	-
31715	31716	31517	-	31518	-	-	-	-
33805	33814	33822	-	31719	-	-	-	-
31720	31721	31525	-	31526	31527	-	-	-
33806	33815	33790	33827	30970	30976	-	-	-
33807	33816	33823	33828	30977	30978	31633	-	-
33808	33817	33791	33829	33792	30971	30972	-	-
31722	31723	31572		31573	31574	31575	-	-
33809	33818	33793	33830	33794	33837	30973	33841	-
33810	33819	33824	33831	33834	33838	30974	33842	-
33811	33820	33825	33832	33835	33839	30975	33843	31724
33812	33821	33826	33833	33836	33840	31725	33844	31726

3200

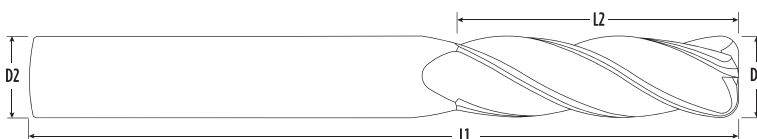
XL LENGTH / CORNER RADIUS



D1	L2	D2	L1
1/8	3/4	1/8	3
	1	1/8	3
3/16	1	3/16	4
	1 1/4	3/16	3
1/4	1 1/8	1/4	3
	1 1/2	1/4	4
5/16	1 1/8	5/16	3
	1 5/8	5/16	4
3/8	1 1/8	3/8	3
	1 1/2	3/8	4
	2	3/8	4
7/16	2	7/16	4
	3	7/16	6
1/2	1 1/2	1/2	4
	2	1/2	4
5/8	3	1/2	6
	2 1/2	5/8	5
3/4	3	5/8	6
	2 1/2	3/4	5
1	3	3/4	6
	2	1	4 1/2
	2 1/2	1	5
	3	1	6

TOLERANCES	DIAMETER	SHANK	30° HELIX
	+.0000"-.002"	h6	
	+0.00mm -0.05mm		

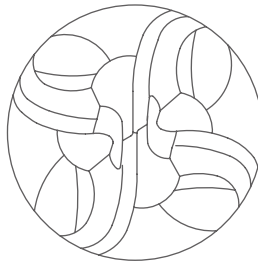
Right Hand Spiral / Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com



.0050	.0100	.0150	.0200	.0300	.0600	.0900	.1200	.2500
TiAIN	TiAIN	TiAIN	TiAIN	TiAIN	TiAIN	TiAIN	TiAIN	TiAIN
31856	31857	31858	31859	31513	-	-	-	-
31852	31853	31854	31855	31515	-	-	-	-
31866	31867	31868	31869	31522	31523	-	-	-
31860	31861	31862	31863	31864	31865	-	-	-
-	-	31872	31873	31532	31533	31534	-	-
-	-	31870	31871	31540	31541	31542	-	-
-	-	31874	31875	31548	31549	31550	31551	-
-	-	31876	31877	31552	31553	31554	31555	-
-	-	31880	31881	31560	31561	31562	31563	-
-	-	31878	31879	31564	31565	31566	31567	-
-	-	31882	31883	31568	31569	31570	31571	-
-	-	31884	31885	31576	31577	31578	31579	-
-	-	31886	31887	31580	31581	31582	31583	-
-	-	31888	31889	31588	31589	31590	31591	-
-	-	31890	31891	31592	31593	31594	31595	-
-	-	31892	31893	31596	31597	31598	31599	-
-	-	31894	31895	31604	31605	31606	31607	-
-	-	31896	31897	31608	31609	31610	31611	-
-	-	31898	31899	31616	31617	31618	31619	31900
-	-	31901	31902	31620	31621	31622	31623	31903
-	-	-	-	-	31647	31648	31649	-
-	-	-	-	-	31643	-	31645	-
-	-	31904	31905	31501	31502	31503	31504	31906

3200

STUB LENGTH / BALL



Right Hand Spiral / Right Hand Cut
Dura Carb (Micrograin)
Speeds and Feeds, see fullertontool.com

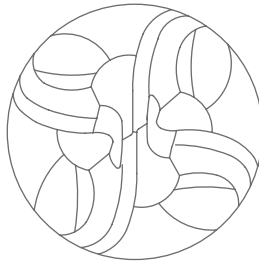
TOLERANCES	DIAMETER	SHANK	30° HELIX
	+.0000"-.002" +0.00mm -0.05mm	h6	



D1	L2	D2	L1	EDP	
				UNCOATED	TiAIN
1/32	1/16	1/8	1 1/2	32112	32864
3/64	1/8	1/8	1 1/2	32156	32865
1/16	1/8	1/8	1 1/2	32157	32866
5/64	1/8	1/8	1 1/2	-	32867
3/32	3/16	1/8	1 1/2	32159	32868
7/64	3/16	1/8	1 1/2	-	32869
1/8	1/4	1/8	1 1/2	32161	32870
5/32	3/8	3/16	2	32162	32871
3/16	3/8	3/16	2	-	32872
1/4	1/2	1/4	2	32164	32873
5/16	1/2	5/16	2 1/2	-	32874
3/8	5/8	3/8	2 1/2	-	32875
7/16	3/4	7/16	2 3/4	-	32876
1/2	3/4	1/2	3	-	32877
5/8	1	5/8	3 1/2	32169	32878
3/4	1	3/4	4	32170	32879
1	1	1	4	32171	32880

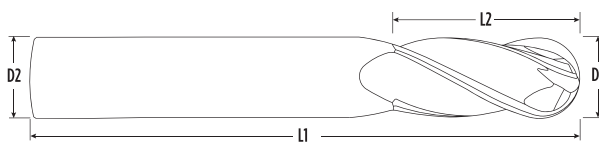
3200

STANDARD LENGTH / BALL



Right Hand Spiral / Right Hand Cut
Dura Carb (Micrograin)
Speeds and Feeds, see fullertontool.com

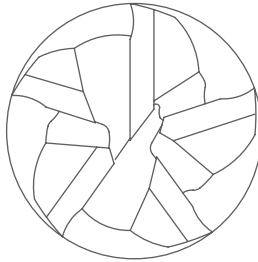
TOLERANCES	DIAMETER	SHANK	30° HELIX
	+0.0000"-.002" +0.00mm -0.05mm	h6	



D1	L2	D2	L1	EDP	
				UNCOATED	TiAIN
1/32	3/32	1/8	1 1/2	32030	30717
3/64	3/16	1/8	1 1/2	32031	30718
1/16	1/4	1/8	1 1/2	32032	30719
5/64	1/4	1/8	1 1/2	32033	30720
3/32	3/16	1/8	1 1/2	32034	30721
7/64	1/2	1/8	1 1/2	-	30722
1/8	1/2	1/8	1 1/2	32036	30723
9/64	9/16	3/16	2	32037	30724
5/32	9/16	3/16	2	32038	30725
11/64	9/16	3/16	2	-	30726
3/16	5/8	3/16	2	32039	30727
13/64	5/8	1/4	2 1/2	32652	30728
7/32	5/8	1/4	2 1/2	32040	30729
15/64	3/4	1/4	2 1/2	-	30730
1/4	3/4	1/4	2 1/2	32041	30731
17/64	7/8	5/16	2 1/2	-	30732
9/32	7/8	5/16	2 1/2	32042	30733
19/64	7/8	5/16	2 1/2	-	30734
5/16	7/8	5/16	2 1/2	32043	30735
21/64	7/8	3/8	2 1/2	32932	30736
11/32	7/8	3/8	2 1/2	32044	30737
23/64	1	3/8	2 1/2	-	30738
3/8	1	3/8	2 1/2	32045	30739
25/64	1	7/16	2 3/4	-	30740
13/32	1	7/16	2 3/4	-	30741
27/64	1	7/16	2 3/4	-	30742
7/16	1	7/16	2 3/4	32046	30743
29/64	1	1/2	3	-	30744
15/32	1	1/2	3	-	30745
31/64	1	1/2	3	-	30746
1/2	1	1/2	3	32047	30747
9/16	1 1/4	9/16	3 1/2	32048	30748
5/8	1 1/2	5/8	3 1/2	32049	30749
11/16	1 1/2	3/4	4	-	30750
3/4	1 1/2	3/4	4	32051	30751
7/8	1 1/2	7/8	4	32052	30752
1	1 1/2	1	4	32053	30753
11/8	2	1	4 1/2	32054	-
1 1/4	2	1 1/4	4 1/2	32055	-
13/8	2	1 1/4	4 1/2	32056	-
1 1/2	2	1 1/4	4 1/2	32057	-

3845

STUB LENGTH / SQUARE

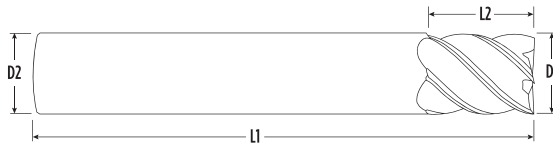


DESIGNED with eccentric relief.
PRODUCES SUPERIOR part finishes at extraordinary feed rates.
HIGH HELIX for effective chip evacuation.
TiAlN coating available for extended tool life.
h6 tolerance for conventional and shrink fit applications.

Right Hand Spiral / Right Hand Cut
Dura Carb (Micrograin)
Speeds and Feeds, see fullertontool.com

ALLOY FINISHER

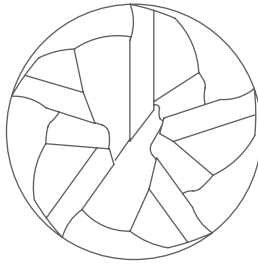
TOLERANCES	DIAMETER	SHANK	45° HELIX
	+0.000"-.002" +0.00mm -0.05mm	h6	



D1	L2	D2	L1	EDP
1/8	1/4	1/8	1 1/2	38173
3/16	5/16	3/16	2	38175
1/4	1/2	1/4	2	38174
3/8	1/2	3/8	2 1/2	38176
1/2	5/8	1/2	3	38178
5/8	3/4	5/8	3 1/2	38177
3/4	1	3/4	4	38179

3845

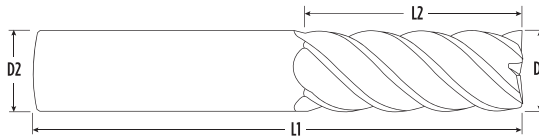
STANDARD LENGTH / SQUARE



Right Hand Spiral / Right Hand Cut
Dura Carb (Micrograin)
Speeds and Feeds, see fullertontool.com

ALLOY
FINISHER

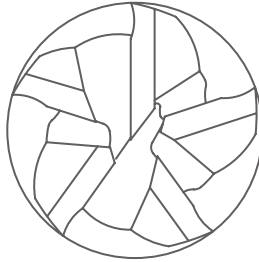
TOLERANCES	DIAMETER	SHANK	45° HELIX
	+0.000"-.002" +0.00mm -0.05mm	h6	



D1	L2	D2	L1	EDP
1/8	1/2	1/8	1 1/2	38150
5/32	9/16	5/32	2	38152
3/16	9/16	3/16	2	38154
7/32	3/4	7/32	2 1/2	38156
1/4	3/4	1/4	2 1/2	38158
5/16	13/16	5/16	2 1/2	38160
3/8	1	3/8	2 1/2	38162
1/2	1 1/4	1/2	3	38166
5/8	1 5/8	5/8	3 1/2	38168
3/4	1 5/8	3/4	4	38170
1	2	1	4	38172

3845

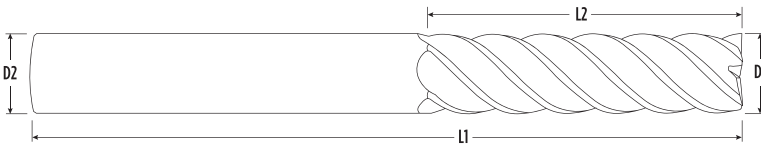
XL LENGTH / SQUARE



Right Hand Spiral / Right Hand Cut
Dura Carb (Micrograin)
Speeds and Feeds, see fullertontool.com

ALLOY
FINISHER

TOLERANCES	DIAMETER	SHANK	45° HELIX
	+0.0000"-.002"	h6	
	+0.00mm -0.05mm		



D1	L2	D2	L1	EDP
				TiAlN
1/4	1 1/4	1/4	4	38180
5/16	1 1/4	5/16	3	38188
3/8	2	3/8	4	38182
3/8	1 1/2	3/8	4	38183
3/8	1 1/4	3/8	3	38189
3/8	3	3/8	5	38190
1/2	2	1/2	4	38072
1/2	2	1/2	4	38184
1/2	3 1/8	1/2	6	38186
1/2	3	1/2	6	38191
5/8	2 1/2	5/8	5	38185
5/8	3	5/8	6	38192
3/4	2 1/2	3/4	5	38181
3/4	3	3/4	6	38193
1	2 1/2	1	5	38071
1	2 1/2	1	5	38187
1	3	1	6	38194
1	4	1	6	38195

CURRY

FAMILY OF COMPANIES

