

HIGH-PERFORMANCE MILLING

Application: Ideal for plunging, slotting, ramping and heavy peripheral milling

ISO Material Grades : **P M K**



1. 4 Flute Chipbreaker Endmill

With a unique variable flute design and chipbreakers for optimal chip control in a high material removal applications.

2. Increase Metal removal

Increase depth-of-cut with chatter free machining

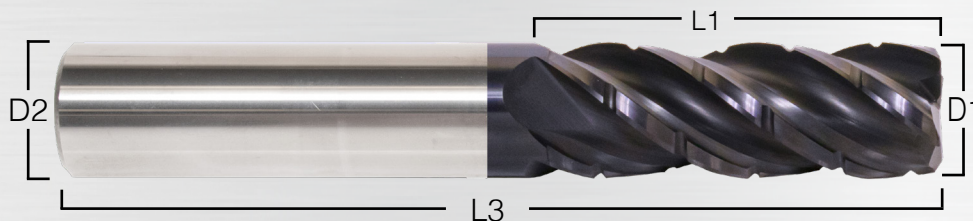
3. Corner Radius Available

.015 through .125

4. Varianta Supral Coating

Great wear resistance in high speed operations; semi-dry and dry machining

D1 Diameter	D2 Shank	L1 LOC	L3 OAL	0.015 RAD	0.030 RAD	0.060 RAD	0.090 RAD	0.125 RAD	Ball
1/4	1/4	3/8	2	9502046	9504865				9529769
1/4	1/4	3/4	2 1/2	9502050	9504869				9529777
1/4	1/4	1	3	9502051	9504870				9529779
1/4	1/4	1 1/4	4	9502052	9504871				9529783
1/4	1/4	1 3/4	4	9502053	9504872				9529785
5/16	5/16	1/2	2	9502054	9504873				9529787
5/16	5/16	7/8	2 1/2	9502055	9504874				9529789
5/16	5/16	1	3	9502056	9504875				9529791
5/16	5/16	1 1/4	4	9502057	9504876				9529795
5/16	5/16	1 5/8	4	9502058	9504877				9529797
3/8	3/8	1/2	2	9502059	9504878	9584878			9529799
3/8	3/8	1	2 1/2	9502062	9504881	9584881			9529807
3/8	3/8	1	3	9502063	9504882	9508006			9529809
3/8	3/8	1 1/2	4	9502064	9504883	9584882			9529812
3/8	3/8	2 1/2	5	9502065	9504884	9584883	-		9529816
1/2	1/2	5/8	2 1/2		9504889	9508007	9585107	9585306	9529827
1/2	1/2	1	3		9504896	9508011	9509703	9585310	9529837
1/2	1/2	1 1/4	3		9504898	9508012	9585111	9585311	9529839
1/2	1/2	1 1/2	4		9504899	9508013	9585112	9512737	9529842
1/2	1/2	2	4		9504901	9508014	9585113	9585312	9529846
1/2	1/2	2 1/2	5		9504902	9508016	9585114	9585313	9529850
1/2	1/2	3	6		9504903	9508017	9585115	9585314	9529852
5/8	5/8	3/4	3		9504904	9508018	9509704	9585315	9529854
5/8	5/8	1 1/4	3 1/2		9504910	9508022	9509708	9585319	9529865
5/8	5/8	1 3/4	4		9504911	9508023	9509709	9585320	9529867
5/8	5/8	2 1/4	5		9504912	9508024	9509710	9585321	9529869
5/8	5/8	3	6		9504913	9508025	9509711	9585322	9529873
3/4	3/4	7/8	3			9508026	9509712	9512738	9529879
3/4	3/4	1 1/2	4			9508032	9509716	9512742	9529896
3/4	3/4	1 5/8	4			9508034	9509717	9512743	9529898
3/4	3/4	2 1/4	5			9508036	9509718	9512744	9529903
3/4	3/4	3	6			9508037	9509719	9512745	9529905
3/4	3/4	4	7			9508038	9509720	9512746	9529910
1	1	1 1/2	4			9508042	9509724	9512750	9529922
1	1	2	4 1/2			9508043	9509725	9512751	9529925
1	1	2 1/4	5			9508044	9509726	9512752	9529929
1	1	3	6			9508045	9509727	9512753	9529932
1	1	4	7			9508046	9509728	9512754	9529936



Extended Neck

D1 Diameter	D2 Shank	L1 LOC	L2 Reach	L3 OAL	.015 RAD	.030 RAD	.060 RAD	.125 RAD	Ball
1/4	1/4	1/2	1 1/4	3	9581549	9581838	9584876		9585594
1/4	1/4	1/2	2 1/8	4	9581550	9581839	9584877		9585595
3/8	3/8	3/4	1 1/4	3	9581551	9581840	9584879		9585596
3/8	3/8	3/4	2 1/8	4	9581552	9581841	9584880		9585597
1/2	1/2	7/8	1 3/8	3		9504893	9584884	9585307	9585598
1/2	1/2	7/8	2 1/8	4		9504894	9584885	9585308	9529834
1/2	1/2	7/8	3 1/8	5		9581842	9585985	9586094	9586180
1/2	1/2	7/8	4 1/8	6		9504895	9584886	9585309	9585599
5/8	5/8	1	2	4		9581843	9584887	9585316	9585600
5/8	5/8	1	3	5		9504908	9584888	9585317	9529863
5/8	5/8	1	4	6		9504909	9584889	9585318	9585601
3/4	3/4	1 1/4	2	4			9584890	9585323	9585602
3/4	3/4	1 1/4	3	5			9508031	9585324	9585603
3/4	3/4	1 1/4	4	6			9584891	9585325	9585604
1	1	1 1/2	3	5			9585986	9586095	9585605
1	1	1 1/2	4	6			9585987	9586096	9585606
1	1	1 1/2	5	7			9585988	9586097	9585607

