

# 15/32 to 1/2 End Mills by Diameter

Diam.	Length of Cut	Diam. of Shank	Overall Length	No. of Flutes	Part No.	Uncoated EDP No.*	Single Double End	Page No.
15/32	<b>4 FLUTE NON-CENTER CUTTING - HS Steel</b>							
	1	1/2	4-1/8	4	AA15-3	42544	D.E.	30
31/64	<b>2 - 4 FLUTE CENTER CUTTING - 8% Cobalt</b>							
	13/16	1/2	3-3/4	2	CoBB484-3	29048	D.E.	22
	1	1/2	4-1/8	4	CoAA484-3	46028	D.E.	30
1/2	<b>2 FLUTE CENTER CUTTING - HS Steel</b>							
	13/16	3/8	2-1/2	2	B16-2	25302	S.E.	24
	13/16	1/2	3-3/4	2	BB16-3	26208	D.E.	22
	1	1/2	3	2	B16-3	25304	S.E.	24
	1	1/2	3	2	B16-3K	25902	S.E.	27
	<small>+ .000 to -.0015</small>							
	1-1/2	1/2	3-1/2	2	BMF16-3	25402	S.E.	25
	2	1/2	4	2	BLF16-3	25502	S.E.	25
	1	1/2	4	2	BL16-3	25602	S.E.	26
	<small>2-1/4" Below Shank</small>							
	13/16	1/2	3-3/4	2	SBB16-3**	26404	D.E.	23
	1	1/2	3	2	SB16-3**	25702	S.E.	26
	3/4	1/2***	2-1/16	2	BSF16	25208	S.E.	26
	<b>2 FLUTE CENTER CUTTING - 8% Cobalt</b>							
	13/16	3/8	2-1/2	2	CoB16-2	28226	S.E.	24
	1	1/2	3	2	CoB16-3	28228	S.E.	24
	13/16	1/2	3-3/4	2	CoBB16-3	29050	D.E.	22
	<b>2 FLUTE CENTER CUTTING CREST-KUT - HS Steel</b>							
	1-1/4	1/2	3-1/4	2	KB16-3	65602	S.E.	45
	2	1/2	4	2	KB16-3A	65604	S.E.	45
	3	1/2	5	2	KB16-3B	65606	S.E.	45
	<b>SKI-KUT FOR ALUMINUM - HS Steel</b>							
	<i>Roughing</i>							
	1-1/4	1/2	3-1/4	2	SKB16-3	57050	S.E.	50
	2	1/2	4	2	SKB16-3A	57052	S.E.	50
	3	1/2	5	2	SKB16-3B	57054	S.E.	50
	<i>Finishing</i>							
1-1/4	1/2	3-1/4	2	SKX16-3	57226	S.E.	50	
2	1/2	4	2	SKX16-3A	57228	S.E.	50	
3	1/2	5	2	SKX16-3B	57230	S.E.	50	
<b>SKI-CARB FOR ALUMINUM - Solid Carbide</b>								
1-1/4	1/2	3-1/4	2	SKXC16-3	57440	S.E.	52	
2	1/2	4	2	SKXC16-3A	57442	S.E.	52	
3	1/2	5	2	SKXC16-3B	57444	S.E.	52	
<b>3 FLUTE CENTER CUTTING - HS Steel</b>								
1	3/8	2-11/16	3	C16-2	31020	S.E.	28	
1	1/2	4-1/8	3	CC16-3	31222	D.E.	29	
1-1/4	1/2	3-1/4	3	C16-3	31022	S.E.	28	
2	1/2	4	3	CL16-3	31122	S.E.	29	
<b>3 FLUTE CENTER CUTTING - HS Steel Roughers - Coarse Pitch</b>								
1-1/4	1/2	3-1/4	3	WRF16-3A	64304	S.E.	58	
2	1/2	4	3	WRF16-3B	64306	S.E.	58	
<b>3 FLUTE CENTER CUTTING CREST-KUT - HS Steel</b>								
1-1/4	1/2	3-1/4	3	KC16-3	65702	S.E.	45	
2	1/2	4	3	KC16-3A	65704	S.E.	45	
3	1/2	5	3	KC16-3B	65706	S.E.	45	
<b>4 FLUTE CENTER CUTTING - HS Steel</b>								
1	1/2	4-1/8	4	AAC16-3	43040	D.E.	36	
1-1/4	1/2	3-1/4	4	AC16-3	42640	S.E.	37	
2	1/2	4	4	AC16-3A	42840	S.E.	38	
3	1/2	5	4	AC16-3B	42940	S.E.	38	

Diam.	Length of Cut	Diam. of Shank	Overall Length	No. of Flutes	Part No.	Uncoated EDP No.*	Single Double End	Page No.
1/2	<b>4 - 6 FLUTE CENTER CUTTING - 8% Cobalt</b>							
	1	1/2	4-1/8	4	CoAA16-3	46030	D.E.	30
	1	3/8	2-11/16	4	CoA16-2	44134	S.E.	31
	1-1/4	1/2	3-1/4	4	CoAC16-3	44136	S.E.	31
	1-1/4	1/2	3-1/4	6	CoKC16-3	44540	S.E.	31
	2	1/2	4	4	COAC16-3A	44240	S.E.	33
	3	1/2	5	4	CoAC16-3B	44316	S.E.	34
	4	1/2	6	4	CoAC16-3C	44416	S.E.	34
	<b>4 FLUTE CTR. CUTTING - 8% Cobalt Roughers - Coarse Pitch</b>							
	1-1/4	1/2	3-1/4	4	WRCC16-3A	64602	S.E.	60
	2	1/2	4	4	WRCC16-3B	64604	S.E.	60
	<b>4 FLUTE CTR. CUTTING - 8% Cobalt Roughers - Fine Pitch</b>							
1-1/4	1/2	3-1/4	4	WRCCF16-3A	65002	S.E.	63	
2	1/2	4	4	WRCCF16-3B	65004	S.E.	63	
<b>4 FLUTE CENTER CUTTING CREST-KUT - HS Steel</b>								
1-1/4	1/2	3-1/4	4	KAC16-3	66106	S.E.	47	
2	1/2	4	4	KAC16-3A	66108	S.E.	47	
3	1/2	5	4	KAC16-3B	66110	S.E.	47	
<b>4 FLUTE CTR. CUTTING - 8% Cobalt Rougher - Coarse Pitch</b>								
1/2	1/2	2-1/2	4	WRCCS16-3	64116	S.E.	64	
<b>4 FLUTE CTR. CUTTING - 8% Cobalt Rougher - Fine Pitch</b>								
1/2	1/2	2-1/2	4	WRCCFS16-3	64166	S.E.	64	
<b>4 FLUTE CENTER CUTTING CREST-KUT - 8% Cobalt</b>								
2	1/2	4	4	KPAC16-3A	66502	S.E.	49	
3	1/2	5	4	KPAC16-3B	66504	S.E.	49	
<b>4 FLUTE NON-CENTER CUTTING - HS Steel</b>								
1	3/8	2-11/16	4	A16-2	41530	S.E.	32	
1	1/2	4-1/8	4	AA16-3	42546	D.E.	30	
1-1/4	1/2	3-1/4	4	A16-3	41532	S.E.	32	
2	1/2	4	4	AL16-3	41732	S.E.	33	
3	1/2	5	4	AE16-3	41830	S.E.	34	
15/16	1/2***	2-1/4	4	ASF16	41426	S.E.	36	
<b>4 FLUTE NCC - HS Steel Roughers - Coarse Pitch</b>								
1	1/2	3	4	WR16-3	64006	S.E.	57	
1-1/4	1/2	3-1/4	4	WR16-3A	64008	S.E.	57	
2	1/2	4	4	WR16-3B	64010	S.E.	57	
<b>4 FLUTE NCC - PM Vanadium Roughers - Coarse Pitch</b>								
1-1/4	1/2	3-1/4	4	WRT16-3A	64802	S.E.	61	
2	1/2	4	4	WRT16-3B	64804	S.E.	61	
<b>4 FLUTE NCC CREST-KUT - HS Steel</b>								
1-1/4	1/2	3-1/4	4	KA16-3	65806	S.E.	46	
2	1/2	4	4	KA16-3A	65808	S.E.	46	
3	1/2	5	4	KA16-3B	65810	S.E.	46	
<b>4 FLUTE NCC CREST-KUT PREMIUM - 8% Cobalt</b>								
1-1/4	1/2	3-1/4	4	KPA16-3	66306	S.E.	48	
2	1/2	4	4	KPA16-3A	66308	S.E.	48	
3	1/2	5	4	KPA16-3B	66310	S.E.	48	
<b>4 FLUTE NCC - 8% Cobalt Roughers - Coarse Pitch</b>								
1	1/2	3	4	WRC16-3	64440	S.E.	59	
1-1/4	1/2	3-1/4	4	WRC16-3A	64442	S.E.	59	
2	1/2	4	4	WRC16-3B	64444	S.E.	59	
<b>4 FLUTE NCC - 8% Cobalt Roughers - Fine Pitch</b>								
1-1/4	1/2	3-1/4	4	WRFC16-3A	64908	S.E.	62	
2	1/2	4	4	WRFC16-3B	64910	S.E.	62	

\*EDP nos. shown are for uncoated end mills. For TiN or TiCN EDP nos., refer to catalog page noted under "Page No."

\*\*Straight Flutes

\*\*\*No flat on shank

3/16 Diameter Shanks are not flatted.

## 2 and 3 Flutes for Aluminum

Rough and finish in one operation. Made from high speed steel, Crest-Kut® end mills offer the following benefits:

- Minimum Vibration and Chatter
- Efficient Distribution of Cutting Temperatures
- Compensating Cutting Forces
- Minimum Chip Recutting
- Maximum Cutting Edge Life
- Faster Cutting
- Longer Tool Life
- Reduced Machine Down Time
- Easily Resharpener
- Greater Productivity and Higher Profits

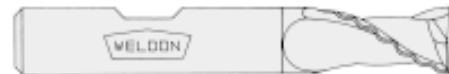
Diameter of Mill	Diameter of Shank	Length of Cut	Number of Flutes	Overall Length	Part Number	Uncoated EDP No.	TiN EDP No.	TiCN EDP No.
1/2	1/2	1-1/4	2	3-1/4	KB16-3	65602	65644	65603
1/2	1/2	2	2	4	KB16-3A	65604	65645	65605
1/2	1/2	3	2	5	KB16-3B	65606	65646	65607
5/8	5/8	1-5/8	2	3-3/4	KB20-4	65608	65647	65609
5/8	5/8	2-1/2	2	4-5/8	KB20-4A	65610	65648	65611
5/8	5/8	4	2	6-1/8	KB20-4B	65612	65649	65613
3/4	3/4	1-5/8	2	3-7/8	KB24-5	65614	65650	65615
3/4	3/4	3	2	5-1/4	KB24-5A	65616	65651	65617
3/4	3/4	4	2	6-1/4	KB24-5B	65618	65652	65619
1	1	2	2	4-1/2	KB32-7	65620	65653	65621
1	1	4	2	6-1/2	KB32-7B	65622	65654	65623
1	1	6	2	8-1/2	KB32-7D	65624	65655	65625
1-1/4	1-1/4	2	2	4-1/2	KB40-8	65626	65656	65627
1-1/4	1-1/4	4	2	6-1/2	KB40-8B	65628	65657	65629
1-1/4	1-1/4	6	2	8-1/2	KB40-8D	65630	65658	65631
1-1/2	1-1/4	2	2	4-1/2	KB48-8	65632	65659	65633
1-1/2	1-1/4	4	2	6-1/2	KB48-8B	65634	65660	65635
1-1/2	1-1/4	6	2	8-1/2	KB48-8D	65636	65661	65637

### COMBINATION SHANKS

2	2	4	2	7-3/4	KB64-11B	65638	65662	65639
2	2	6	2	9-3/4	KB64-11C	65640	65663	65641
2	2	8	2	11-3/4	KB64-11D	65642	65664	65643

### Single-End, Two Flute Center Cutting

with WELDON Shank  
R.H. Cut, R.H. Helix  
Two screw drive on 7/8" shanks and larger



### High Speed Steel

Cutting Diameter Tolerance is +.003  
-.003



Combination Shank

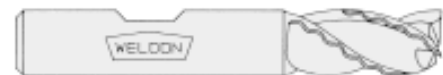
Diameter of Mill	Diameter of Shank	Length of Cut	Number of Flutes	Overall Length	Part Number	Uncoated EDP No.	TiN EDP No.	TiCN EDP No.
1/2	1/2	1-1/4	3	3-1/4	KC16-3	65702	65754	65703
1/2	1/2	2	3	4	KC16-3A	65704	65755	65705
1/2	1/2	3	3	5	KC16-3B	65706	65756	65707
5/8	5/8	1-5/8	3	3-3/4	KC20-4	65708	65757	65709
5/8	5/8	2-1/2	3	4-5/8	KC20-4A	65710	65758	65711
5/8	5/8	4	3	6-1/8	KC20-4B	65712	65759	65713
3/4	3/4	1-5/8	3	3-7/8	KC24-5	65714	65760	65715
3/4	3/4	3	3	5-1/4	KC24-5A	65716	65761	65717
3/4	3/4	4	3	6-1/4	KC24-5B	65718	65762	65719
1	1	2	3	4-1/2	KC32-7	65720	65763	65721
1	1	3	3	5-1/2	KC32-7C	65722	65764	65727
1	1	4	3	6-1/2	KC32-7A	65724	65765	65723
1	1	6	3	8-1/2	KC32-7B	65726	65766	65725
1-1/4	1-1/4	2	3	4-1/2	KC40-8	65728	65767	65729
1-1/4	1-1/4	3	3	5-1/2	KC40-8C	65730	65768	65731
1-1/4	1-1/4	4	3	6-1/2	KC40-8A	65732	65769	65733
1-1/4	1-1/4	6	3	8-1/2	KC40-8B	65734	65770	65735
1-1/2	1-1/4	2	3	4-1/2	KC48-8	65736	65771	65737
1-1/2	1-1/4	3	3	5-1/2	KC48-8C	65738	65772	65739
1-1/2	1-1/4	4	3	6-1/2	KC48-8A	65742	65774	65743
1-1/2	1-1/4	6	3	8-1/2	KC48-8B	65744	65775	65745
1-1/2	1-1/2	3	3	5-7/8	KC48-9C	65740	65773	65741

### COMBINATION SHANKS

2	2	3	3	6-3/4	KC64-11A	65746	65776	65747
2	2	4	3	7-3/4	KC64-11B	65748	65777	65749
2	2	6	3	9-3/4	KC64-11C	65750	65778	65751
2	2	8	3	11-3/4	KC64-11D	65752	65779	65753

### Single-End, Three Flute Center Cutting

with WELDON Shank  
R.H. Cut, R.H. Helix  
Two screw drive on 7/8" shanks and larger



### High Speed Steel

Cutting Diameter Tolerance is +.003  
-.003



Combination Shank

NOTE: See page 101 for specific cutting diameter tolerances.