

1/2 to 5/8 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.
1/2	2 - 4 FLUTE BALL END - HS Steel							
	13/16	1/2	3-3/4	2	RR16-3	27242	D.E.	39
	1	1/2	3	2	R16-3	27042	S.E.	40
	1	1/2	4	2	RL16-3	27142	S.E.	40
	<i>2-1/4" Below Shank</i>							
	1	1/2	3	4	RK16-3	47130	S.E.	43
	1-1/2	1/2	3-1/2	4	RK16-3A	47132	S.E.	43
	2	1/2	4	4	RK16-3B	47134	S.E.	43
	2-1/2	1/2	4-1/2	4	RK16-3C	47136	S.E.	43
	3	1/2	5	4	RK16-3D	47138	S.E.	43
	2 - 4 FLUTE BALL END - 8% Cobalt							
	1	1/2	3	2	CoR16-3	27624	S.E.	39
	1-1/4	1/2	3-1/4	4	CoAR16-3	47550	S.E.	42
	4 FLT. BALL END CTR. CUTTING - 8% Cobalt Roughers - Crs. Pitch							
	1-1/4	1/2	3-1/4	4	WRCR16-3A	64702	S.E.	60
	2	1/2	4	4	WRCR16-3B	64704	S.E.	60
	4 FLT. BALL END CTR. CUTTING - 8% Cobalt Rougher - Fine Pitch							
	1-1/4	1/2	3-1/4	4	WRCRF16-3A	64202	S.E.	63
9/16	2 FLUTE CENTER CUTTING - HS Steel							
	1-1/8	1/2	3-1/8	2	B18-3	25306	S.E.	24
	1-1/8	5/8	4-1/2	2	BB18-4	26210	D.E.	22
	2 FLUTE BALL END - HS Steel							
	1	1/2	3	2	R18-3	27044	S.E.	40
	3 FLUTE CENTER CUTTING - HS Steel							
	1-1/4	5/8	5	3	CC18-4	31224	D.E.	29
	1-3/8	1/2	3-3/8	3	C18-3	31024	S.E.	28
	4 FLUTE NON-CENTER CUTTING - HS Steel							
	1-3/8	1/2	3-3/8	4	A18-3	41534	S.E.	32
	1-3/8	5/8	5	4	AA18-4	42548	D.E.	30
	1	9/16***	2-5/16	4	ASF18	41428	S.E.	36
5/8	2 FLUTE CENTER CUTTING - HS Steel							
	1-1/8	1/2	3-1/8	2	B20-3	25308	S.E.	24
	1-1/8	5/8	4-1/2	2	BB20-4	26212	D.E.	22
	1-5/16	5/8	3-7/16	2	B20-4	25310	S.E.	24
	1-5/16	5/8	3-7/16	2	B20-4K	25904	S.E.	27
	<i>+.000 to -.0015</i>							
	1-5/8	5/8	3-3/4	2	BMF20-4	25404	S.E.	25
	2	5/8	4-1/8	2	BLF20-4	25504	S.E.	25
	1-3/8	5/8	4-5/8	2	BL20-4	25604	S.E.	26
	<i>2-3/4" Below Shank</i>							
	1-1/8	5/8	4-1/2	2	SBB20-4**	26406	D.E.	23
	1-5/16	5/8	3-7/16	2	SB20-4**	25704	S.E.	26
	15/16	5/8***	2-5/16	2	BSF20	25210	S.E.	26
	2 FLUTE CENTER CUTTING - 8% Cobalt							
	1-5/16	5/8	3-7/16	2	CoB20-4	28230	S.E.	24
	2 FLUTE CENTER CUTTING CREST-KUT - HS Steel							
	1-5/8	5/8	3-3/4	2	KB20-4	65608	S.E.	45
	2-1/2	5/8	4-5/8	2	KB20-4A	65610	S.E.	45
	4	5/8	6-1/8	2	KB20-4B	65612	S.E.	45
	SKI-KUT MILLS FOR ALUMINUM - HS Steel							
	<i>Roughing</i>							
	1-5/8	5/8	3-3/4	2	SKB20-4	57060	S.E.	50
	2-1/2	5/8	4-5/8	2	SKB20-4A	57062	S.E.	50
	4	5/8	6-1/8	2	SKB20-4C	57064	S.E.	50
<i>Finishing</i>								
1-5/8	5/8	3-3/4	2	SKX20-4	57232	S.E.	50	
2-1/2	5/8	4-5/8	2	SKX20-4A	57234	S.E.	50	
4	5/8	6-1/8	2	SKX20-4C	57324	S.E.	50	

Diam.	Length of Cut	Diam. of Shank	Overall Length	No. of Flutes	Part No.	Uncoated EDP No.*	Single Double End	Page No.
5/8	SKI-CARB MILLS FOR ALUMINUM - Solid Carbide							
	1-5/8	5/8	3-3/4	2	SKXC20-4	57450	S.E.	52
	2-1/2	5/8	4-5/8	2	SKXC20-4A	57452	S.E.	52
	3 FLUTE CENTER CUTTING - HS Steel							
	1-1/4	5/8	5	3	CC20-4	31226	D.E.	29
	1-3/8	1/2	3-3/8	3	C20-3	31026	S.E.	28
	1-5/8	5/8	3-3/4	3	C20-4	31028	S.E.	28
	2-1/2	5/8	4-5/8	3	CL20-4	31124	S.E.	29
	3 FLUTE CENTER CUTTING - HS Steel Roughers - Coarse Pitch							
	1-5/8	5/8	3-3/4	3	WRF20-4	64308	S.E.	58
	2-1/2	5/8	4-5/8	3	WRF20-4B	64310	S.E.	58
	3 FLUTE CENTER CUTTING CREST-KUT - HS Steel							
	1-5/8	5/8	3-3/4	3	KC20-4	65708	S.E.	45
	2-1/2	5/8	4-5/8	3	KC20-4A	65710	S.E.	45
	4	5/8	6-1/8	3	KC20-4B	65712	S.E.	45
	4 FLUTE CENTER CUTTING - HS Steel							
	1-3/8	5/8	5	4	AAC20-4	43042	D.E.	36
	1-5/8	5/8	3-3/4	4	AC20-4	42642	S.E.	37
2-1/2	5/8	4-5/8	4	AC20-4A	42842	S.E.	38	
4	5/8	6-1/8	4	AC20-4B	42942	S.E.	38	
4 - 6 FLUTE CENTER CUTTING - 8% Cobalt								
1-5/8	5/8	3-3/4	4	CoAC20-4	44138	S.E.	31	
1-5/8	5/8	3-3/4	6	CoKC20-4	44542	S.E.	31	
2-1/2	5/8	4-5/8	4	CoAC20-4A	44242	S.E.	33	
3	5/8	5-1/8	4	CoAC20-4C	44318	S.E.	34	
4	5/8	6-1/8	4	CoAC20-4B	44418	S.E.	34	
4 FLUTE CTR. CUTTING - 8% Cobalt Roughers - Coarse Pitch								
1-5/8	5/8	3-3/4	4	WRCC20-4	64606	S.E.	60	
2-1/2	5/8	4-5/8	4	WRCC20-4B	64608	S.E.	60	
4 FLUTE CTR. CUTTING - 8% Cobalt Roughers - Fine Pitch								
1-5/8	5/8	3-3/4	4	WRCCF20-4	65006	S.E.	63	
2-1/2	5/8	4-5/8	4	WRCCF20-4B	65008	S.E.	63	
4 FLUTE CTR. CUTTING - 8% Cobalt Rougher - Coarse Pitch								
5/8	5/8	2-3/4	4	WRCCS20-4	64120	S.E.	64	
4 FLUTE CTR. CUTTING - 8% Cobalt Rougher - Fine Pitch								
5/8	5/8	2-3/4	4	WRCCFS20-4	64168	S.E.	64	
4 FLUTE CENTER CUTTING CREST-KUT - HS Steel								
1-5/8	5/8	3-3/4	4	KAC20-4	66112	S.E.	47	
2-1/2	5/8	4-5/8	4	KAC20-4A	66114	S.E.	47	
4	5/8	6-1/8	4	KAC20-4B	66116	S.E.	47	
4 FLUTE CENTER CUTTING CREST-KUT - 8% Cobalt								
2-1/2	5/8	4-5/8	4	KPAC20-4A	66506	S.E.	49	
4 FLUTE NON-CENTER CUTTING - HS Steel								
1-3/8	1/2	3-3/8	4	A20-3	41536	S.E.	32	
1-3/8	5/8	5	4	AA20-4	42550	D.E.	30	
1-5/8	5/8	3-3/4	4	A20-4	41538	S.E.	32	
2-1/2	5/8	4-5/8	4	AL20-4	41734	S.E.	33	
4	5/8	6-1/8	4	AE20-4	41832	S.E.	34	
1-1/8	5/8***	2-1/2	4	ASF20	41430	S.E.	36	
4 FLUTE NCC - HS Steel Roughers - Coarse Pitch								
1-5/8	5/8	3-3/4	4	WR20-4	64012	S.E.	57	
2-1/2	5/8	4-5/8	4	WR20-4B	64014	S.E.	57	

*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 flattened.

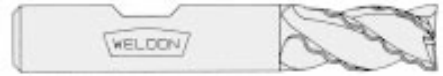
Multi-Flute, Center Cutting

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.
4 Flutes								
3/8	3/8	3/4	4	2-1/2	KAC12-2	66102	66100	66103
3/8	3/8	1-3/8	4	3-1/8	KAC12-2A	66104	66101	66105
1/2	1/2	1-1/4	4	3-1/4	KAC16-3	66106	66168	66107
1/2	1/2	2	4	4	KAC16-3A	66108	66169	66109
1/2	1/2	3	4	5	KAC16-3B	66110	66170	66111
5/8	5/8	1-5/8	4	3-3/4	KAC20-4	66112	66171	66113
5/8	5/8	2-1/2	4	4-5/8	KAC20-4A	66114	66172	66115
5/8	5/8	4	4	6-1/8	KAC20-4B	66116	66173	66117
3/4	3/4	1-5/8	4	3-7/8	KAC24-5	66118	66174	66119
3/4	3/4	3	4	5-1/4	KAC24-5A	66120	66175	66121
3/4	3/4	4	4	6-1/4	KAC24-5B	66122	66176	66123
7/8	7/8	1-7/8	4	4-1/8	KAC28-6	66124	66177	66125
7/8	7/8	3-1/2	4	5-3/4	KAC28-6A	66126	66178	66127
7/8	7/8	5	4	7-1/4	KAC28-6B	66128	66179	66129
1	1	2	4	4-1/2	KAC32-7	66130	66180	66131
1	1	3	4	5-1/2	KAC32-7C	66132	66181	66133
1	1	4	4	6-1/2	KAC32-7A	66134	66182	66135
1	1	6	4	8-1/2	KAC32-7B	66136	66183	66137
1-1/4	1-1/4	2	4	4-1/2	KAC40-8	66138	66184	66139
1-1/4	1-1/4	3	4	5-1/2	KAC40-8C	66140	66185	66141
1-1/4	1-1/4	4	4	6-1/2	KAC40-8A	66142	66186	66143
1-1/4	1-1/4	6	4	8-1/2	KAC40-8B	66144	66187	66145
1-1/2	1-1/4	2	4	4-1/2	KAC48-8	66146	66188	66147
1-1/2	1-1/4	4	4	6-1/2	KAC48-8A	66148	66189	66149
1-1/2	1-1/4	6	4	8-1/2	KAC48-8B	66150	66190	66151
4 & 6 Flutes Combination Shanks								
4 Flutes								
2	2	3	4	6-3/4	KAC64-11A	66152	66191	66153
2	2	4	4	7-3/4	KAC64-11B	66154	66192	66155
2	2	6	4	9-3/4	KAC64-11C	66156	66193	66157
2	2	8	4	11-3/4	KAC64-11D	66158	66194	66159
6 Flutes								
2	2	3	6	6-3/4	KSC64-11A	66160	66634	66161
2	2	4	6	7-3/4	KSC64-11B	66162	66635	66163
2	2	5	6	8-3/4	KSC64-11E	66164	66637	66165
2	2	6	6	9-3/4	KSC64-11C	66166	66636	66167

Single-End 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.