



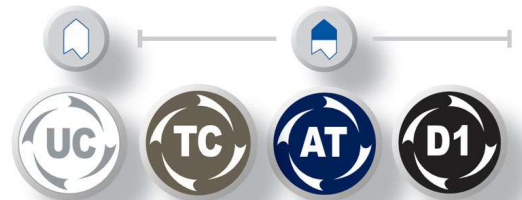
### Series 362CH

## Three Flute Helical Chamfer Mill with Flat Tip, Solid Carbide, 6 included angles

- Aluminum
- Graphite
- Steel <48HRC
- Stainless Steel
- Titanium
- Nickel Alloys

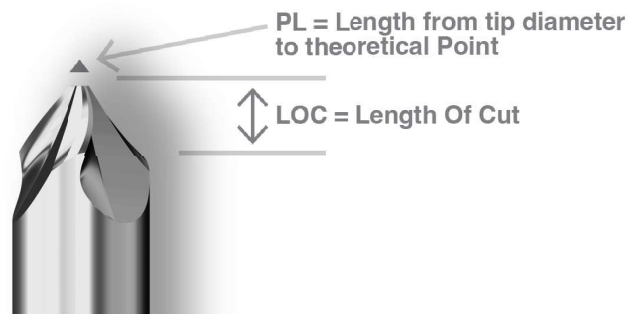


100%  
American Designed  
American Made  
American Owned



∅ Diam	∅ OAL	∅ Tip	30° EDP#	40° EDP#	60° EDP#	82° EDP#	90° EDP#	100° EDP#	120° EDP#	UnCoated Price	TC Coated	AT Coated	D1 Coated
1/8	1-1/2	.040	36600	36608	36616	36654	36624	36640	36632	\$16.60	\$18.40	\$18.40	\$21.30
3/16	2"	.050	36601	36609	36617	36655	36625	36641	36633	\$23.00	\$25.20	\$25.20	\$29.30
1/4	2-1/2	.060	36602	36610	36618	36656	36626	36642	36634	\$27.60	\$31.80	\$31.80	\$35.10
5/16	2-1/2	.065	36603	36611	36619	36657	36627	36643	36635	\$36.30	\$41.50	\$41.50	\$45.40
3/8	2-1/2	.070	36604	36612	36620	36658	36628	36644	36636	\$42.30	\$48.00	\$48.00	\$52.20
1/2	3"	.080	36605	36613	36621	36659	36629	36645	36637	\$74.60	\$82.00	\$82.00	\$89.10
5/8	3"	.090	36606	36614	36622	36660	36630	36646	36638	\$119.70	\$131.30	\$131.30	\$141.70
3/4	3"	.100	36607	36615	36623	36661	36631	36647	36639	\$131.30	\$144.90	\$144.90	\$158.50
1"	4"	.120	36648	36649	36650	36662	36651	36652	36653	\$224.70	\$242.90	\$242.90	\$261.70

∅ Diam	30° LOC/PL	40° LOC/PL	60° LOC/PL	90° LOC/PL	100° LOC/PL	120° LOC/PL
1/8	.159/.075	.117/.055	.074/.036	.043/.021	.036/.017	.025/.012
3/16	.257/.093	.189/.069	.119/.045	.069/.026	.058/.021	.040/.015
1/4	.355/.112	.261/.082	.165/.054	.095/.031	.080/.025	.055/.018
5/16	.462/.121	.340/.089	.214/.056	.124/.033	.104/.027	.071/.019
3/8	.569/.131	.419/.096	.264/.062	.153/.036	.128/.029	.088/.021
1/2	.784/.149	.577/.110	.364/.071	.210/.041	.176/.034	.121/.024
5/8	.998/.168	.735/.124	.463/.080	.268/.046	.224/.038	.154/.027
3/4	1.213/.187	.893/.137	.563/.088	.325/.051	.273/.042	.188/.029
1"	1.642/.224	1.209/.165	.762/.104	.440/.060	.369/.050	.254/.035



Go to [www.ultra-tool.com](http://www.ultra-tool.com) and select the 362CH that fits your needs

Application Data for Standard ULTRATOOL End Mills

The milling data presented below is for all "standard" Series of Ultra end mills (data is presented separately on each respective product page for our application-specific high performance designs). Note: When using SmoothCoat & SmoothEdge surface treatments, Surface Feet or Meters Per Minute can be increased from the stated levels by at least 25%.



Peripheral Milling data based on axial depth ≤ 100% of tool diameter & radial depth of ≤ 25% of tool diameter.



Slot Milling data based on axial depth of cut = 50% of tool diameter.

**End Mill Specifications:**  
Diameter: +.000 / -.002  
Shank Diameter: +.0000 / -.0003  
LOC: +.060 / -.000  
OAL: ± .060  
Helix: ± 2°

Milling;  
Fractional

Material	SFPM	SFPM	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	1"
<b>Steel</b>	<b>Peripheral</b>	<b>Slotting</b>	<b>Feed Per Tooth (FPT)</b>									
1018 / 1020	150 to 350	150 to 300	.0005	.0010	.0015	.0018	.0020	.0025	.0030	.0035	.0040	.0045
4140 / 4340 / P20	150 to 300	125 to 225	.0005	.0007	.0010	.0012	.0015	.0018	.0020	.0025	.0030	.0040
<b>Stainless Steel</b>												
303 / 304 / 316	150 to 300	125 to 250	.0005	.0007	.0010	.0012	.0015	.0018	.0020	.0030	.0040	.0040
410 / 420 / 440C	150 to 300	125 to 250	.0005	.0007	.0010	.0012	.0015	.0018	.0020	.0025	.0035	.0038
15-5/17-4 ≤ 32HRc	125 to 250	100 to 225	.0005	.0007	.0010	.0012	.0015	.0018	.0020	.0025	.0030	.0038
15-5/17-4 ≥ 32HRc	100 to 150	100 to 150	.0003	.0005	.0010	.0012	.0015	.0015	.0015	.0020	.0030	.0038
13-8 / 316L	125 to 300	125 to 250	.0005	.0007	.0010	.0012	.0015	.0018	.0020	.0030	.0040	.0040
<b>Tool Steel</b>												
A2/D2/H13 ≤ 32HRc	125 to 250	100 to 200	.0005	.0007	.0010	.0012	.0015	.0018	.0020	.0025	.0030	.0035
A2/D2/H13 ≥ 32HRc	100 to 150	100 to 125	.0003	.0005	.0010	.0012	.0015	.0015	.0015	.0020	.0030	.0035
<b>Titanium</b>												
6Al-4V	120 to 250	100 to 175	.0005	.0007	.0010	.0012	.0012	.0018	.0020	.0020	.0030	.0040
<b>High Temp Alloys</b>												
Inconel 625	50 to 150	50 to 125	.0005	.0007	.0010	.0012	.0012	.0018	.0020	.0020	.0025	.0030
Inconel 718	50 to 150	50 to 125	.0003	.0005	.0010	.0012	.0012	.0015	.0015	.0020	.0025	.0025
<b>Cast Iron</b>												
Gray Iron ≤ 32HRc	150 to 350	125 to 300	.0005	.0007	.0010	.0012	.0015	.0018	.0020	.0030	.0040	.0045
Ductile Iron	150 to 300	125 to 250	.0005	.0007	.0010	.0012	.0015	.0018	.0020	.0025	.0035	.0045
<b>Non-Ferrous</b>												
6061 T6 Aluminum	up to 2000	up to 1500	.0010	.0020	.0020	.0025	.0030	.0035	.0040	.0050	.0060	.0070
Copper, Brass, Bronze	up to 1200	up to 1000	.0010	.0010	.0020	.0022	.0025	.0028	.0030	.0040	.0040	.0050
Plastic	up to 2000	up to 1500	.0010	.0020	.0030	.0035	.0040	.0050	.0060	.0080	.0100	.0120

Metric End Mill Specifications:		Diameter (mm): +.000 / -.051mm		Shank Diameter(mm): +.000 / -.007mm										LOC: +1.52 / -0.00mm		OAL: ±1.52mm		Metric	
Material	SMPM	SMPM	2mm	3mm	4mm	6mm	8mm	10mm	12mm	16mm	20mm	25mm							
<b>Steel</b>	<b>Peripheral</b>	<b>Slotting</b>	<b>Feed Per Tooth (FPT)</b>																
1018 / 1020	45 to 110	45 to 90	0.010	0.012	0.025	0.038	0.045	0.050	0.080	0.090	0.100	0.120							
4140 / 4340 / P20	45 to 90	40 to 70	0.010	0.012	0.018	0.025	0.030	0.038	0.050	0.065	0.080	0.100							
<b>Stainless Steel</b>																			
303 / 304 / 316	45 to 90	40 to 75	0.010	0.012	0.018	0.025	0.030	0.038	0.050	0.080	0.100	0.100							
410 / 420 / 440C	45 to 90	40 to 75	0.010	0.012	0.018	0.025	0.030	0.038	0.050	0.065	0.080	0.100							
15-5/17-4 ≤ 32HRc	38 to 75	30 to 70	0.010	0.012	0.018	0.025	0.030	0.038	0.050	0.065	0.080	0.100							
15-5/17-4 ≥ 32HRc	30 to 45	30 to 45	0.005	0.007	0.012	0.025	0.030	0.038	0.038	0.050	0.080	0.100							
13-8 / 316L	38 to 90	40 to 75	0.010	0.012	0.018	0.025	0.030	0.038	0.050	0.080	0.100	0.100							
<b>Tool Steel</b>																			
A2/D2/H13 ≤ 32HRc	38 to 75	30 to 60	0.010	0.012	0.018	0.025	0.030	0.038	0.050	0.065	0.080	0.090							
A2/D2/H13 ≥ 32HRc	30 to 45	30 to 40	0.005	0.007	0.012	0.025	0.030	0.038	0.038	0.050	0.080	0.090							
<b>Titanium</b>																			
6Al-4V	35 to 75	30 to 53	0.010	0.012	0.018	0.025	0.030	0.038	0.050	0.065	0.080	0.100							
<b>High Temp Alloys</b>																			
Inconel 625	15 to 45	15 to 38	0.010	0.012	0.018	0.025	0.030	0.038	0.050	0.050	0.065	0.070							
Inconel 718	15 to 45	15 to 38	0.005	0.007	0.012	0.025	0.030	0.038	0.038	0.050	0.065	0.065							
<b>Cast Iron</b>																			
Gray Iron ≤ 32HRc	45 to 110	40 to 90	0.010	0.012	0.018	0.025	0.030	0.038	0.050	0.080	0.100	0.120							
Ductile Iron	45 to 90	40 to 75	0.010	0.012	0.018	0.025	0.030	0.038	0.050	0.065	0.090	0.120							
<b>Non-Ferrous</b>																			
6061 T6 Aluminum	up to 600	up to 450	0.020	0.025	0.050	0.050	0.064	0.080	0.100	0.130	0.150	0.180							
Copper, Brass, Bronze	up to 365	up to 300	0.020	0.025	0.025	0.050	0.056	0.065	0.080	0.100	0.100	0.130							
Plastic	up to 600	up to 450	0.020	0.025	0.050	0.080	0.089	0.100	0.150	0.200	0.250	0.300							