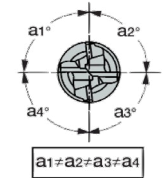
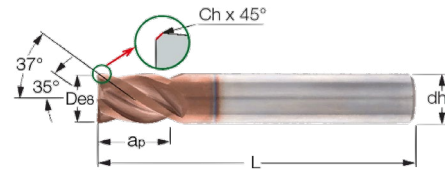


Limited Time Offer Prices
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CHATTERFREE 4 FLUTE SOLID CARBIDE ENDMILLS

CHATTERFREE Short 4 Flute Solid Carbide Endmill

ECI-H4S - 4 flute endmills with different helix (35° & 37°) and variable pitch for chatter dampening. Use for very high material removal rates in roughing and finishing operations. 1XD cut, stub applications. Same performance as H4M but more rigid when cut length is not required. Supplied in IC608 PVD coated submicron substrate, making it suitable for a wide variety of materials.

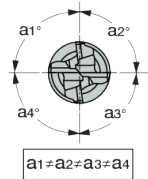
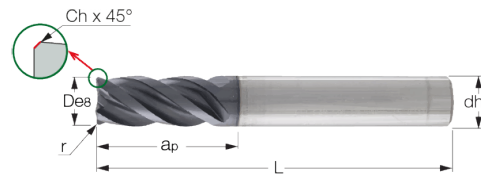


Designation	D	d	ap	L	Shank	Flute	Ch	Rd°	fz(min)	fz(max)	A.C.T. No.	Special Price \$
ECI-H4S 125-125C125CFE1.5 IC608	.125	.125	.125	1.500	C	4	.006	5.0	.0010	.0020	299229	17.25
ECI-H4S 188-188C188CFE2.5 IC608	.188	.188	.188	2.000	C	4	.008	5.0	.0010	.0020	299230	19.19
ECI-H4S 250-250C250CFE2.5 IC608	.250	.250	.250	2.500	C	4	.010	5.0	.0010	.0020	299231	19.19
ECI-H4S 312-312C312CFE2.5 IC608	.312	.312	.312	2.500	C	4	.012	5.0	.0010	.0020	321750	26.82
ECI-H4S 375-375C375CFE2.5 IC608	.375	.375	.375	2.500	C	4	.016	5.0	.0010	.0040	299232	37.57
ECI-H4S 375-375W375CFE2.5 IC608	.375	.375	.375	2.500	W	4	.016	5.0	.0010	.0040	299124	37.57
ECI-H4S 500-500C500CFE3 IC608	.500	.500	.500	3.000	C	4	.020	5.0	.0020	.0040	299233	51.51
ECI-H4S 500-500W500CFE3 IC608	.500	.500	.500	3.000	W	4	.020	5.0	.0020	.0040	299123	51.51
ECI-H4S 625-625C625CFE3.5 IC608	.625	.625	.625	3.500	C	4	.023	5.0	.0020	.0050	5669391*	79.79
ECI-H4S 625-625W625CFE3.5 IC608	.625	.625	.625	3.500	W	4	.023	5.0	.0020	.0050	5669392*	79.79
ECI-H4S 750-750C750CFE4 IC608	.750	.750	.750	4.000	C	4	.023	5.0	.0020	.0070	5669393*	132.82
ECI-H4S 750-750W750CFE4 IC608	.750	.750	.750	4.000	W	4	.023	5.0	.0020	.0070	5669394*	132.82
ECI-H4S 1.0-1.0C1.0CFE4.5 IC608	1.000	1.000	1.000	4.500	C	4	.023	5.0	.0020	.0070	5669395*	212.61
ECI-H4S 1.0-1.0W1.0CFE4.5 IC608	1.000	1.000	1.000	4.500	W	4	.023	5.0	.0020	.0070	5669396*	212.61

*Manufacturer part number listed C - cylindrical shank, W - weldon shank

CHATTERFREE 4 Flute Solid Carbide Endmill

– Standard length 4 flute endmills with different helix (35° & 37°) and variable pitch for chatter dampening. Use for very high material removal rates in roughing and finishing operations. Will outperform the E4L endmill in applications where reach is not required, capable of full slot milling up to 2xD. Supplied in IC900 PVD AlTiN coated submicron substrate, designed for machining various materials like steel, stainless steel, titanium and heat resistant alloy.



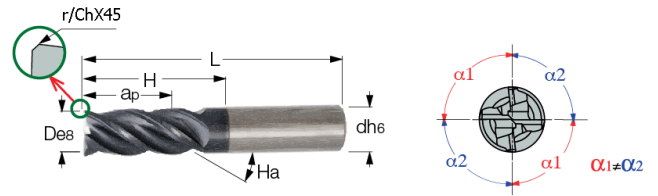
Designation	D	d	ap	L	Flute	Ch	Rd°	Shank	fz (min)	fz (max)	A.C.T. No.	Special Price \$
ECI-H4M 125-250C125CFE1.5 IC900	.125	.125	.250	1.5	4	.006	5.0	C	.0010	.0020	301453	30.75
ECI-H4M 188-375C188CFE2. IC900	.188	.188	.375	2	4	.008	5.0	C	.0010	.0020	303301	31.06
ECI-H4M 250-500C250CFE2.5 IC900	.250	.250	.500	2.5	4	.010	5.0	C	.0010	.0020	292447	25.45
ECI-H4M 312-625C312CFE2.5 IC900	.312	.312	.625	2.5	4	.012	5.0	C	.0010	.0040	312014	35.60
ECI-H4M 375-750C375CFE3. IC900	.375	.375	.750	3	4	.016	5.0	C	.0010	.0040	292448	49.94
ECI-H4M 375-750W375CFE3. IC900	.375	.375	.750	3	4	.016	5.0	W	.0010	.0040	294719	49.94
ECI-H4M 500-1.0C500CFE3.5 IC900	.500	.500	1.000	3.5	4	.020	5.0	C	.0020	.0040	291055	68.18
ECI-H4M 500-1.0W500CFE3.5 IC900	.500	.500	1.000	3.5	4	.020	5.0	W	.0020	.0040	289556	68.18
ECI-H4M 625-1.25C625CFE4. IC900	.625	.625	1.250	4	4	.024	5.0	C	.0020	.0050	289265	107.57
ECI-H4M 625-1.25W625CFE4. IC900	.625	.625	1.250	4	4	.024	5.0	W	.0020	.0050	302752	107.57
ECI-H4M 750-1.5C750CFE5. IC900	.750	.750	1.500	5	4	.024	5.0	C	.0020	.0070	292449	176.25
ECI-H4M 750-1.5W750CFE5. IC900	.750	.750	1.500	5	4	.024	5.0	W	.0020	.0070	314078	176.25
ECI-H4M 1.0-2.0C1.0CFE5. IC900	1.000	1.000	2.000	5	4	.024	5.0	C	.0020	.0070	292450	282.80
ECI-H4M 1.0-2.0W1.0CFE5. IC900	1.000	1.000	2.000	5	4	.024	5.0	W	.0020	.0070	294840	282.80

C - cylindrical shank, W - weldon shank

CHATTERFREE 4 Flute Solid Carbide Endmill with 3xD Relieved Neck

SOLID MILL LINE

ECI-E4 - 4 flute chatter free relieved neck endmills with 38° helix and variable pitch for chatter dampening. Available in corner radius or chamfer. Use for high material removal rates in roughing and finishing operations. Capable of full slot milling up to 2xD, with relieved neck to 3xD. Supplied in IC900 PVD AlTiN coated submicron substrate, designed for machining various materials like steel, stainless steel, titanium and heat resistant alloy.



Designation	D	d	ap	H	L	Ch	Shank	r	fz (min)	fz (max)	A.C.T. No.	Special Price \$
ECI-E4L125-250/375C125CF IC900	.125	.125	.250	.375	1.5	.004	C	-	.001	.002	247943	36.16
ECI-E4L188-375/565C188CF IC900	.188	.188	.375	.565	2.0	.006	C	-	.001	.002	245827	31.46
ECI-E4L250-500/750C250CF IC900	.250	.250	.500	.750	2.5	.010	C	-	.001	.002	228160	29.90
ECI-E4L312-625/1.0C312CF IC900	.312	.312	.625	1.000	2.5	.012	C	-	.001	.004	228447	41.86
ECI-E4 375-75/1.25C37CF5 IC900	.375	.375	.750	1.250	3.0	-	C	.000	.001	.004	268293	55.05
ECI-E4L375-750/1.25C37CF IC900	.375	.375	.750	1.250	3.0	.015	C	-	.001	.004	228161	58.58
ECI-E4L375-750/1.25W37CF IC900	.375	.375	.750	1.250	3.0	.015	W	-	.001	.004	234007	58.58
ECI-E4R375-75/1.25C37CF03 IC900	.375	.375	.750	1.250	3.0	-	C	.030	.001	.004	283719	65.15
ECI-E4R375-75/1.25C37CF06 IC900	.375	.375	.750	1.250	3.0	-	C	.060	.001	.004	304615	65.15
ECI-E4 500-1.0/1.5C50CF5 IC900	.500	.500	1.000	1.500	3.5	-	C	.000	.002	.004	275524	76.26
ECI-E4L500-1.0/1.5C500CF IC900	.500	.500	1.000	1.500	3.5	.020	C	-	.002	.004	227397	80.30
ECI-E4L500-1.0/1.5W500CF IC900	.500	.500	1.000	1.500	3.5	.020	W	-	.002	.004	233752	80.30
ECI-E4R500-1.0/1.5C50CF06 IC900	.500	.500	1.000	1.500	3.5	-	C	.060	.002	.004	270497	93.43
ECI-E4R500-1.0/1.5C50CF09 IC900	.500	.500	1.000	1.500	3.5	-	C	.090	.002	.004	278913	93.43
ECI-E4R500-1.0/1.5C50CF12 IC900	.500	.500	1.000	1.500	3.5	-	C	.120	.002	.004	279297	93.43
ECI-E4R62-1.25/1.7C62CF06 IC900	.620	.625	1.250	1.700	4.0	-	C	.060	.002	.005	290110	146.45
ECI-E4R62-1.25/1.7C62CF09 IC900	.620	.625	1.250	1.700	4.0	-	C	.090	.002	.005	296935	146.45
ECI-E4 625-1.25/1.7C62CF5 IC900	.625	.625	1.250	1.700	4.0	-	C	.000	.002	.005	274319	118.68
ECI-E4L625-1.25/1.7C62CF IC900	.625	.625	1.250	1.700	4.0	.024	C	-	.002	.005	231080	125.24
ECI-E4L625-1.25/1.7W62CF IC900	.625	.625	1.250	1.700	4.0	.024	W	-	.002	.005	230018	125.24
ECI-E4 750-1.5/2.25C75CF5 IC900	.750	.750	1.500	2.250	5.0	-	C	.000	.002	.007	270146	195.94
ECI-E4L750-1.5/2.25C75CF IC900	.750	.750	1.500	2.250	4.5	.024	C	-	.002	.007	234154	208.06
ECI-E4L750-1.5/2.25W75CF IC900	.750	.750	1.500	2.250	4.5	.024	W	-	.002	.007	231978	208.06
ECI-E4R75-1.5/2.25C75CF06 IC900	.750	.750	1.500	2.250	5.0	-	C	.060	.002	.007	282828	240.89
ECI-E4R75-1.5/2.25C75CF09 IC900	.750	.750	1.500	2.250	5.0	-	C	.090	.002	.007	278914	240.89
ECI-E4R75-1.5/2.25C75CF12 IC900	.750	.750	1.500	2.250	5.0	-	C	.120	.002	.007	282591	240.89
ECI-E4L1.0-2.0/2.7C1.0CF IC900	1.000	1.000	2.000	2.700	5.0	.024	C	-	.002	.007	244897	332.80
ECI-E4L1.0-2.0/2.7W1.0CF IC900	1.000	1.000	2.000	2.700	5.0	.024	W	-	.002	.007	245251	332.80

C - cylindrical shank, W - weldon shank

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