

P M S K N

FORM MILLING

Reliable chamfering, engraving, corner rounding & more

- Chamfer Mills** P 81-84
- Chamfer Drill Mills** P 85
- Engraving** P 86
- Corner Rounding** P 87

- ✓ Carbide chamfer mills from 30-60 degrees, suitable for a wide range of materials
- ✓ Chamfer drill mills for multi purpose drilling, v-slotting, profiling and chamfering
- ✓ Sharp point carbide engraving tools for precision machining a wide range of materials

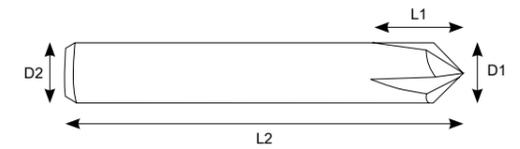
cutwel PRO

General Purpose

4 FLUTE 45° GENERAL PURPOSE SOLID CARBIDE CHAMFER MILL

Uncoated and TiAlN Coated Carbide

- Chamfer milling cutter suitable for general machining all materials up to HRC45
- 45° chamfer angle
- Plain shank



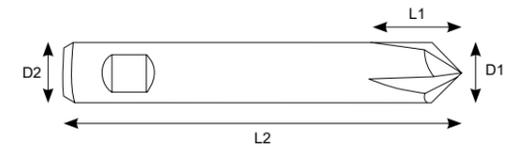
D1	D2	L1	L2	Order Code					
				Uncoated	List Price	Offer Price	TiAlN Coated	List Price	Offer Price
6	6	8	38	CMC100-45-6	£16.21	£13.78	CMC200-45-6	£20.42	£17.35
8	8	11	43	CMC100-45-8	£25.53	£21.70	CMC200-45-8	£29.80	£25.33
10	10	13	50	CMC100-45-10	£36.06	£30.65	CMC200-45-10	£40.81	£34.69
12	12	15	60	CMC100-45-12	£52.42	£44.55	CMC200-45-12	£55.25	£46.97

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General Purpose

3-5 FLUTE 30° SOLID CARBIDE CHAMFER MILL

- Ultra coated
- 30° chamfer angle
- Suitable for chamfering & deburring applications



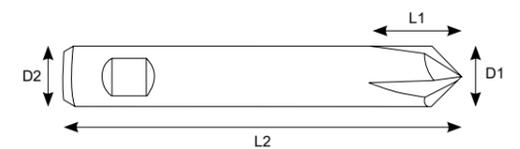
D1	D2	L1	L2	No. of Flutes	Order Code		
					Order Code	List Price	Offer Price
1					CMC200-30-1	£21.85	£18.57
2	3	3	39	3	CMC200-30-2	£21.85	£18.57
3					CMC200-30-3	£24.07	£20.46
4	4	4	54	4	CMC200-30-4	£26.61	£22.62
6	6	6	57		CMC200-30-6	£32.93	£27.99
8	8	8	63		CMC200-30-8	£45.61	£38.77
10	10	10	72	5	CMC200-30-10	£61.13	£51.96
12	12	12	83		CMC200-30-12	£90.90	£77.27

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General Purpose

3-5 FLUTE 60° SOLID CARBIDE CHAMFER MILL

- Ultra coated
- 60° chamfer angle
- Suitable for chamfering & deburring applications

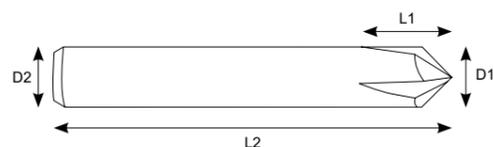


D1	D2	L1	L2	No. of Flutes	Order Code		
					Order Code	List Price	Offer Price
1	1		39		CMC200-60-1	£21.85	£18.57
2	2	3	39	3	CMC200-60-2	£21.85	£18.57
3	3		39		CMC200-60-3	£24.07	£20.46
4	4	4	54	4	CMC200-60-4	£26.61	£22.62
6	6	6	57		CMC200-60-6	£31.99	£27.19
8	8	8	63		CMC200-60-8	£45.61	£38.77
10	10	10	72	5	CMC200-60-10	£61.13	£51.96
12	12	12	83		CMC200-60-12	£90.90	£77.27



2 FLUTE 45° CHAMFER MILL

- Suitable for edge chamfering, centering, and similar operations
- 45° chamfer angle
- Excellent performance on materials such as stainless steel, mild steel, and cast iron



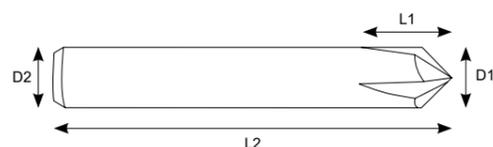
High Performance

D1	D2	L1	L2	Order Code		List Price	Offer Price
				Plain Shank	Weldon Shank		
3	3	1.5	60	EHI28030	-	£19.20	£16.32
4	4	2	60	EHI28040	-	£19.20	£16.32
6	6	3	60	EHI28060	EHK37060	£23.34	£19.84
8	8	4	70	EHI28080	EHK37080	£29.37	£24.97
10	10	5	75	EHI28100	EHK37100	£39.46	£33.54
12	12	6	80	EHI28120	EHK37120	£58.66	£49.86
16	16	8	100	EHI28160	EHK37160	£81.50	£69.27
20	20	10	100	EHI28200	EHK37200	£144.60	£122.91



3 FLUTE 45° CHAMFER MILL

- The helix design enhances cutting performance and improves chamfer surface finish quality
- 45° chamfer angle
- Designed with a dubbed point to prevent chipping at the tip



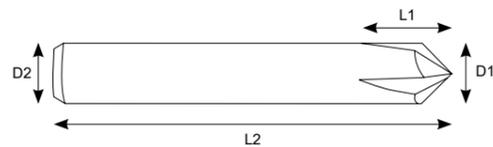
High Performance

D1	D2	L1	L2	Order Code		List Price	Offer Price
				Plain Shank	Weldon Shank		
0.8	3	1.1	60	EHI29030	-	£19.20	£16.32
	4	1.6	60	EHI29040	-	£19.20	£16.32
1	6	2.5	60	EHI29060	EHK38060	£23.34	£19.84
	8	3.5	70	EHI29080	EHK38080	£29.37	£24.97
2	10	4	75	EHI29100	EHK38100	£39.46	£33.54
	12	5	80	EHI29120	EHK38120	£58.66	£49.86



4 FLUTE 45° CHAMFER MILL

- The increased number of cutting edges extends tool life and improves productivity
- 45° chamfer angle
- Improved surface finish quality on workpiece



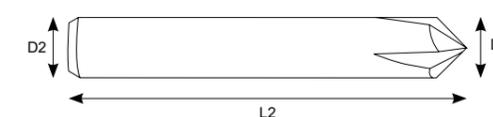
High Performance

D1	D2	L1	L2	Order Code		List Price	Offer Price
				Plain Shank	Weldon Shank		
3	3	1.5	60	EHI30030	-	£19.20	£16.32
4	4	2	60	EHI30040	-	£19.20	£16.32
6	6	3	60	EHI30060	EHK39060	£23.34	£19.84
8	8	4	70	EHI30080	EHK39080	£29.37	£24.97
10	10	5	75	EHI30100	EHK39100	£39.46	£33.54
12	12	6	80	EHI30120	EHK39120	£58.66	£49.86
16	16	8	100	EHI30160	EHK39160	£81.50	£69.27
20	20	10	100	EHI30200	EHK39200	£144.60	£122.91



4-6 FLUTE 30° & 45° CHAMFER MILL

- Chamfer milling cutter suitable for high performance machining all materials up to HRC65
- 45° or 30° chamfer angle
- Plain shank



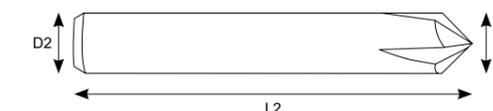
High Performance

D1	D2	L2	No. of Flutes	Order Code	List Price	Offer Price
30°						
4	4	54	4	3064920400	£37.64	£33.88
6	6	57	4	3064920600	£44.31	£39.88
8	8	63	5	3064920800	£55.35	£49.82
10	10	72	6	3064921000	£75.25	£67.73
12	12	83	6	3064921200	£115.10	£103.59
45°						
4	4	54	4	3064930400	£37.64	£33.88
6	6	57	4	3064930600	£44.31	£39.88
8	8	63	5	3064930800	£55.35	£49.82
10	10	72	6	3064931000	£70.94	£63.85
12	12	83	6	3064931200	£108.50	£97.65



3 FLUTE 45° ALUMINIUM CHAMFER MILL

- Lapped 3 flute design for aluminium, copper, plastic & brass
- 45° chamfer angle
- Plain shank



High Performance

D1	D2	L2	Order Code	List Price	Offer Price
4	4	54	3062000400	£47.48	£42.73
6	6	57	3062000600	£61.45	£55.30
8	8	63	3062000800	£71.23	£64.10
10	10	72	3062001000	£96.36	£86.72
12	12	83	3062001200	£149.44	£134.49



General Purpose

2 FLUTE 30/45/60° CHAMFER DRILL MILL

- 1 tool for multiple applications: v-slot milling, countersinking, angle milling, chamfering, spot drilling, drilling, profiling and bevel milling
- Uncoated solid carbide
- Angle refers to chamfer angle not inclusive angle



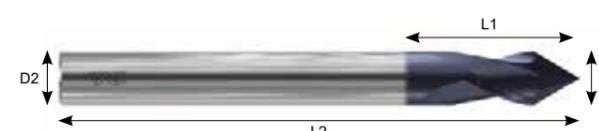
D1	D2	L1	L2	Order Code								
				30°	List Price	Offer Price	45°	List Price	Offer Price	60°	List Price	Offer Price
1	3	2	39	-	-	-	DM200-45-1	£17.93	£15.24	-	-	-
1.2	3	2.4	39	-	-	-	DM200-45-1.2	£17.93	£15.24	-	-	-
1.5	3	3	39	-	-	-	DM200-45-1.5	£17.93	£15.24	-	-	-
2	3	4	39	-	-	-	DM200-45-2	£17.93	£15.24	-	-	-
2.5	3	5	39	-	-	-	DM200-45-2.5	£17.93	£15.24	-	-	-
3	4	6	50	DM200-30-3	£22.11	£18.79	DM200-45-3	£22.11	£18.79	DM200-60-3	£22.11	£18.79
4	5	8	50	DM200-30-4	£23.51	£19.98	DM200-45-4	£23.51	£19.98	DM200-60-4	£23.51	£19.98
5	6	10	50	DM200-30-5	£23.51	£19.98	DM200-45-5	£23.51	£19.98	DM200-60-5	£23.51	£19.98
6	8	12	60	DM200-30-6	£35.38	£30.07	DM200-45-6	£35.38	£30.07	DM200-60-6	£37.48	£31.86
8	10	16	70	DM200-30-8	£45.14	£38.37	DM200-45-8	£45.14	£38.37	DM200-60-8	£45.14	£38.37
10	12	18	70	DM200-30-10	£54.46	£46.29	DM200-45-10	£54.46	£46.29	DM200-60-10	£54.46	£46.29
12	12	20	70	DM200-30-12	£58.87	£50.04	DM200-45-12	£58.87	£50.04	DM200-60-12	£58.87	£50.04
16	16	26	80	-	-	-	DM200-45-16	£75.92	£64.53	-	-	-
20	20	32	100	-	-	-	DM200-45-20	£126.04	£107.13	-	-	-



High Performance

2 FLUTE 30/45/60° TiAIN COATED CHAMFER DRILL MILL

- 1 tool for multiple applications: v-slot milling, countersinking, angle milling, chamfering, spot drilling, drilling, profiling and bevel milling
- TiAIN coated carbide



D1	D2	L1	L2	Order Code								
				30°	List Price	Offer Price	45°	List Price	Offer Price	60°	List Price	Offer Price
3	4	6	50	EHK28030	£26.89	£22.85	EHK29030	£26.89	£22.85	EHK30030	£26.89	£22.85
4	6	8	50	EHK28040	£32.69	£27.78	EHK29040	£32.69	£27.78	EHK30040	£32.69	£27.78
5	6	10	50	EHK28050	£32.69	£27.78	EHK29050	£32.69	£27.78	EHK30050	£32.69	£27.78
6	6	12	60	EHK28060	£32.69	£27.78	EHK29060	£32.69	£27.78	EHK30060	£32.69	£27.78
8	8	16	70	EHK28080	£41.11	£34.95	EHK29080	£41.11	£34.95	EHK30080	£41.11	£34.95
10	10	20	70	EHK28100	£55.26	£46.97	EHK29100	£55.26	£46.97	EHK30100	£55.26	£46.97
12	12	24	80	EHK28120	£82.14	£69.82	EHK29120	£82.14	£69.82	EHK30120	£82.14	£69.82
16	16	32	90	EHK28160	£105.96	£90.07	EHK29160	£105.96	£90.07	EHK30160	£105.96	£90.07
20	20	40	100	EHK28200	£187.97	£159.77	EHK29200	£187.97	£159.77	EHK30200	£187.97	£159.77



General Purpose

3-4 FLUTE 45° TiAIN COATED FRONT & BACK CHAMFER MILL

- 1 tool for multiple applications: chamfering, back chamfering, groove milling, countersinking & deburring
- TiAIN coated carbide



D1	D2	D3	L1	L2	No. of Flutes	Order Code	List Price	Offer Price
1.4	3	0.9	3.8	39	3	CMFB-45-1.4	£26.13	£22.21
1.9	3	1.2	5	39		CMFB-45-1.9	£26.13	£22.21
2.4	3	1.5	6.2	39		CMFB-45-2.4	£26.13	£22.21
2.9	3	1.8	7.4	39		CMFB-45-2.9	£26.13	£22.21
3.4	4	2.1	8.6	54		CMFB-45-3.4	£32.21	£27.38
3.9	4	2.4	9.8	54		CMFB-45-3.9	£32.21	£27.38
4.4	5	2.7	11	55	CMFB-45-4.4	£38.45	£32.68	
4.9	5	3	12.2	55	CMFB-45-4.9	£38.45	£32.68	
5.9	6	3.6	14.6	57	CMFB-45-5.9	£40.77	£34.65	
7.8	-	-	-	-	CMFB-45-7.8	£81.18	£69.00	
9.8	-	-	-	-	CMFB-45-9.8	£104.45	£88.78	
11.8	6	-	-	100	4	CMFB-45-11.8	£114.90	£97.66
13.8	-	-	-	-	CMFB-45-13.8	£144.21	£122.58	
15.8	-	-	-	-	CMFB-45-15.8	£180.66	£153.56	

FORM MILLING

FORM MILLING





1 FLUTE 60° & 90° SOLID CARBIDE ENGRAVING TOOL

Uncoated

- For all types of materials
- 60° and 90° chamfer angles
- Sharp point
- Plain shank



D2	L1	L2	Order Code					
			60°	List Price	Offer Price	90°	List Price	Offer Price
3	4	50	ETSC60-3	£25.87	£21.99	ETSC90-3	£28.46	£24.19
4	5	50	ETSC60-4	£31.04	£26.39	ETSC90-4	£34.14	£29.02
6	7	60	ETSC60-6	£38.81	£32.99	ETSC90-6	£42.69	£36.29
8	9	80	ETSC60-8	£56.90	£48.37	ETSC90-8	£62.59	£53.20
10	11	100	ETSC60-10	£86.20	£73.27	ETSC90-10	£94.82	£80.60
12	12	100	ETSC60-12	£117.26	£99.67	ETSC90-12	£128.99	£109.64



4 FLUTE TiAlN COATED CARBIDE CORNER ROUNDING CUTTER

- Corner rounding for machining external radius
- TiAlN coated carbide for high performance machining
- Excellent for steel, stainless steel & cast iron
- Also suitable for hardened steel up to HRC45 & HRSA's
- Plain shank



R	D1	D2	L2	Order Code		List Price	Offer Price
				Order Code	Order Code		
0.5	5	6	58	CRT200--R0.5	CRT200--R1	£47.88	£40.70
1	4	6	58	CRT200--R1	CRT200--R1.5	£47.88	£40.70
1.5	5	8	64	CRT200--R1.5	CRT200--R2	£64.81	£55.09
2	6	10	72	CRT200--R2	CRT200--R2.5	£86.92	£73.88
2.5	5	10	72	CRT200--R2.5	CRT200--R3	£86.92	£73.88
3	6	12	74	CRT200--R3	CRT200--R3.5	£103.14	£87.67
3.5	5	12	74	CRT200--R3.5	CRT200--R4	£103.14	£87.67
4	8	16	80	CRT200--R4	CRT200--R4.5	£129.61	£110.17
4.5	7	16	80	CRT200--R4.5	CRT200--R5	£129.61	£110.17
5	6	16	80	CRT200--R5	CRT200--R5.5	£129.61	£110.17
5.5	9	20	80	CRT200--R5.5	CRT200--R6	£179.72	£152.76
6	8	20	80	CRT200--R6		£179.72	£152.76