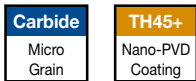
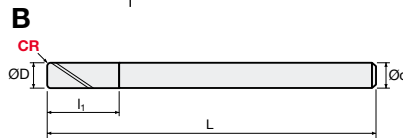
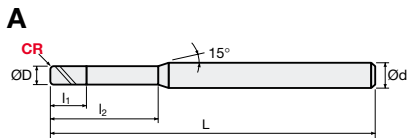
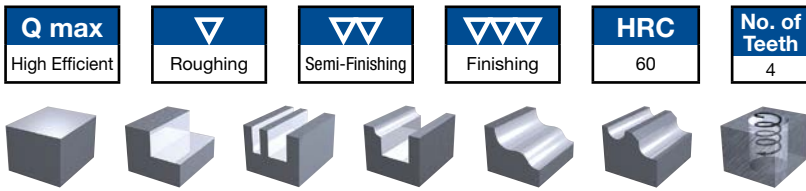


Solid Carbide Corner Radius End Mill for high efficient machining

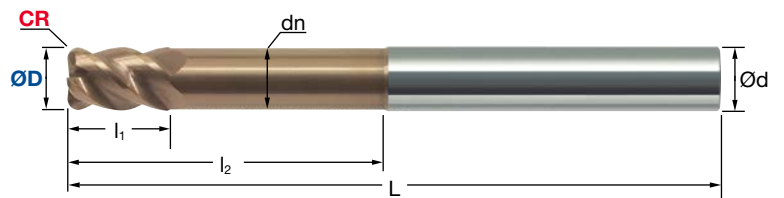
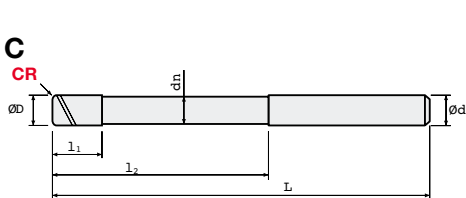
EPOCH TURBO | High Feed Radius End Mill



D	0 / -0.015
R	± 0.015
ød	h5

ID Code	Item Code	Stock	ØD	CR	l ₂	l ₁	dn	L	d	Type
EP367	ETM-4020-05	■	2	0.5	6	4	-	70	6	A
EP368	ETM-4030-08		3	0.8	9	6				
EP369	ETM-4040-10		4	1.0	12	8				
EP370	ETM-4050-12		5	1.2	15	10				
EP371	ETM-4060-15		6	1.5	-	12		90	8	B
EP372	ETM-4080-20		8	2.0		16		100		
EP373	ETM-4100-20		10	2.0		20		110		
EP374	ETM-4120-20		12	2.0		24		120		

■ = Stock | Germany



ID Code	Item Code	Stock	ØD	CR	l ₂	l ₁	dn	L	d	Type
EP377	ETMLN-4040-20-10	■	4	1.0	20	6	3.8	70	4	C
EP378	ETMLN-4040-28-10				28			75		
EP379	ETMLN-4060-30-15		6	1.5	30	9	5.7	90	6	
EP380	ETMLN-4060-42-15				42			100		
EP381	ETMLN-4060-54-15		8	2.0	54	12	7.6	85	8	
EP382	ETMLN-4080-40-20				40			100		
EP383	ETMLN-4080-56-20				56			120		
EP384	ETMLN-4080-72-20				72			100		
EP385	ETMLN-4100-50-20		10	2.0	50	15	9.5	120	10	
EP386	ETMLN-4100-70-20				70			140		
EP387	ETMLN-4100-90-20		12	2.0	90	18	11.5	110	12	
EP388	ETMLN-4120-60-20				60			135		
EP389	ETMLN-4120-84-20				84			160		
EP390	ETMLN-4120-108-20				108			160		

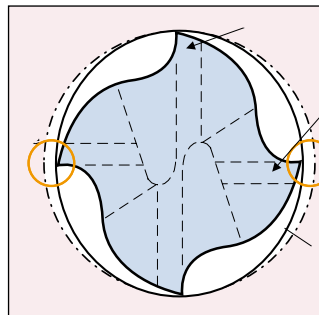
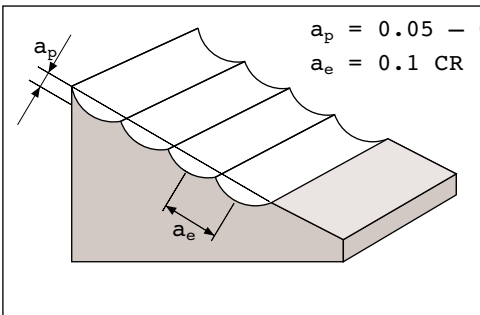
■ = Stock | Germany

4

Finish Conditions

Material	Cutting Condition	Ø2	Ø3	Ø4	Ø5	Ø6	Ø8	Ø10	Ø12
		CR 0.5	CR 0.8	CR 1	CR 1.2	CR 1.5	CR 2	CR 2	CR 2
Cast Iron, Carbon Steels, Alloy Steels HB150~250	n	29,000	19,100	14,300	11,500	9,500	7,200	5,700	4,800
	f _z	0.02	0.03	0.04	0.05	0.06	0.08	0.10	0.11
	V _f	1,860	2,060	2,170	2,190	2,280	2,300	2,280	2,190
Tool Steels HRC25~35	n	24,000	15,900	11,900	9,500	8,000	6,000	4,800	4,000
	f _z	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.09
	V _f	1,230	1,370	1,450	1,440	1,540	1,540	1,540	1,460
Pre-hardened Steels HRC35~45	n	19,000	12,700	9,500	7,600	6,400	4,800	3,800	3,200
	f _z	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.07
	V _f	730	820	870	870	920	920	910	880
Hardened Steels HRC45~55	n	14,300	9,500	7,200	5,700	4,800	3,600	2,900	2,400
	f _z	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06
	V _f	460	510	550	540	580	580	580	550
Hardened Steels HRC55~60	n	11,100	7,400	5,600	4,500	3,700	2,800	2,200	1,900
	f _z	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.05
	V _f	280	320	340	340	360	360	350	350

Depth of cut Finishing



ATTENTION

- Be careful of the newly developed flute shape when measuring tool diameter or oscillation.
- The bit is designed with a smaller outer diameter connected to end slave flutes.
- When measuring tool diameter or oscillation, measure the main flutes.

Product Range

Solid Carbide End Mills



Indexable Milling Tools



WHNSB Drills



Milling Chucks



Always up to date: Please check our P50 QuickFinder



www.mmc-hitachitool-eu.com/quickfinder

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