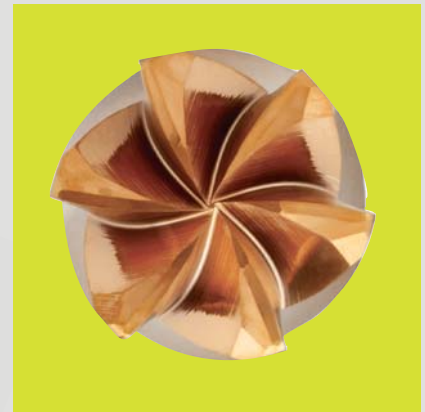


# UHF-RT

EN

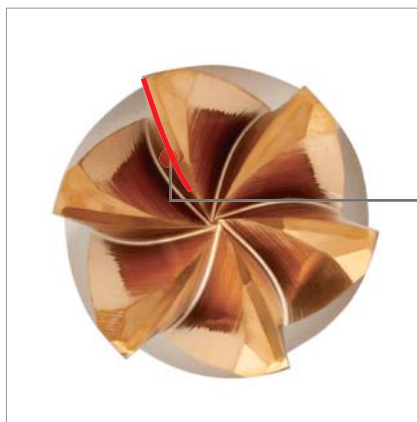
High feed end mill with  
multi-flutes convex design



**SORMA | ST**  
SOLID TOOLS - OSAWA

## UH&MH

### High feed strategy UHF RT

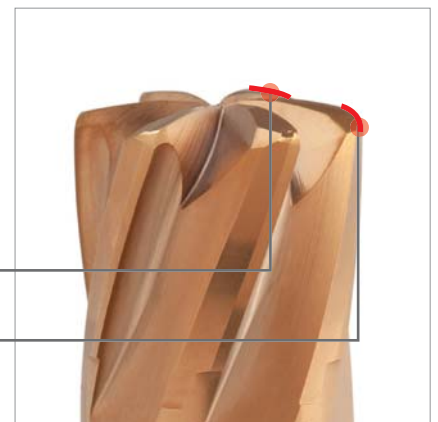


UNIQUE 3 RADII DESIGN

CURVED EDGE

HEAD RADIUS

CORNER RADIUS

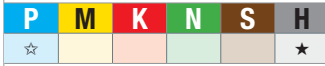
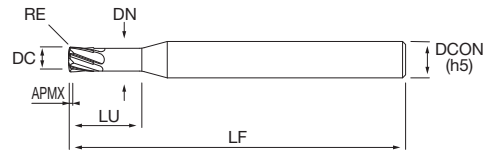


## Features and Benefits

- High edge quality for less chipping and reliable tool life due to the innovative grinding technology
- Great wear resistance even at high cutting speed thanks to the nano micrograin carbide
- Optimized connection shape allows greater stability during machining
- High temperature stability improved by the TiSi based nano multilayer coating
- Multi-edged endmill UHF RT with unique 3 radii geometry, specific for high feed milling on hardened steels up to 70 HRC.

## UHF-RT


- Cylindrical shank
- Multi flute
- Unique corner radius design for high feed machining

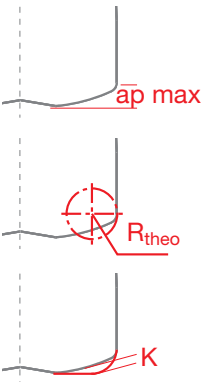

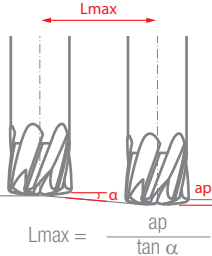


DC	DC tol.	RP	DCON	TCDCON	APMX	LU	DN	LF	ZEPF	EDP no.	Stock
2	-0.014/-0.038	0.13	6	h5	0.07	6	1.9	50	4	UHF470RT020N	●
3	-0.014/-0.038	0.19	6	h5	0.1	9	2.9	60	4	UHF470RT030N	●
4	-0.014/-0.038	0.25	6	h5	0.13	12	3.9	60	6	UHF670RT040N	●
5	-0.014/-0.038	0.31	6	h5	0.17	15	4.7	60	6	UHF670RT050N	●
6	-0.014/-0.038	0.38	6	h5	0.2	18	5.5	60	6	UHF670RT060N	●
8	-0.014/-0.038	0.5	8	h5	0.27	24	7.5	75	6	UHF670RT080N	●
10	-0.014/-0.038	0.63	10	h5	0.33	30	9.5	90	6	UHF670RT100N	●
12	-0.014/-0.038	0.75	12	h5	0.4	36	11.5	100	6	UHF670RT120N	●

★ 1st choice, ☆ suitable, ● stock standard, ◎ non-stock standard (no MOQ), ○ non-stock standard (MOQ), ▲ upcoming product, ▽ stock exhaustion

UHF-RT

	Material Group ISO 513	P6 H1 H4 H5	H2	H3		
	Hardness/Rm	45÷55 HRC	55÷60 HRC	60÷65 HRC		
	ap x ae	0.03D x 0.55D	0.03D x 0.55D	0.03D x 0.55D		
	Vc (m/min)	100÷120	80÷100	50÷70		
	DC (mm)	fz (mm/z)	fz (mm/z)	fz (mm/z)		
	2	0.070	0.050	0.040		
	3	0.100	0.080	0.060		
	4	0.150	0.100	0.080		
	5	0.200	0.120	0.100		
	6	0.250	0.200	0.150		
8	0.350	0.250	0.200			
10	0.400	0.300	0.250			
12	0.450	0.350	0.300			

DC	ap max	CAM input			Circular interpolation			Cutting length for linear ramping Lmax (αmax=5°)		
		RP	max unmachined part K		Ø min	Ø max		α=0.5°	α=5°	
2	0.07	0.189	0.051		2.9	3.8	8.02	0.80		
3	0.10	0.283	0.076		4.3	5.8	11.46	1.14		
4	0.13	0.378	0.102		5.7	7.8	14.90	1.49		
5	0.17	0.472	0.127		7.1	9.8	19.48	1.94		
6	0.20	0.567	0.152		8.6	11.8	22.92	2.29		
8	0.27	0.756	0.203		11.4	15.8	30.94	3.09		
10	0.33	0.945	0.254		14.2	19.8	37.81	3.77		
12	0.40	1.134	0.305		17.1	23.8	45.84	4.57		

(mm)