



Roughing and Finishing Radius End Mill !

- Variable pitch & helix / • Center Cutting / • 4 Flutes



Ideal for machining !

■ **Stainless Steels** ■ **Titanium**

HYP-CR-HI-WEMS

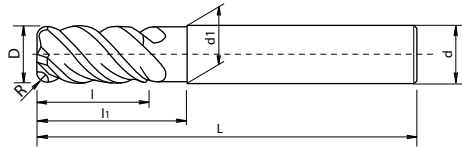
Roughing and Finishing Radius End Mill !

HYP-CR-HI-WEMS

NEW



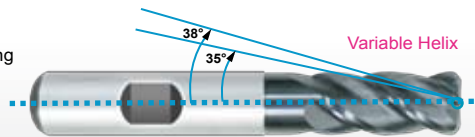
Weld on Type Only !



HYP-CR-HI-WEMS		D	R	L	l	l1	d1	d	£
NEW	4832004011	4	0.5	57	11	-	-	6	18.76
NEW	4832005011	5	0.5	57	13	-	-	6	18.76
NEW	4832006011	6	0.5	57	13	20	5.8	6	23.49
NEW	4832006012	6	1.0	57	13	20	5.8	6	23.49
NEW	4832006013	6	1.5	57	13	20	5.8	6	23.49
NEW	4832006014	6	2.0	57	13	20	5.8	6	23.49
NEW	4832008011	8	0.5	63	19	25	7.8	8	25.13
NEW	4832008012	8	1.0	63	19	25	7.8	8	25.13
NEW	4832008013	8	1.5	63	19	25	7.8	8	25.13
NEW	4832008014	8	2.0	63	19	25	7.8	8	25.13
NEW	4832010011	10	0.5	72	22	30	9.8	10	36.63
NEW	4832010012	10	1.0	72	22	30	9.8	10	36.63
NEW	4832010013	10	1.5	72	22	30	9.8	10	36.63
NEW	4832010014	10	2.0	72	22	30	9.8	10	36.63
NEW	4832010016	10	3.0	72	22	30	9.8	10	36.63
NEW	4832012011	12	0.5	83	26	38	11.8	12	49.71
NEW	4832012012	12	1.0	83	26	38	11.8	12	49.71
NEW	4832012013	12	1.5	83	26	38	11.8	12	49.71
NEW	4832012014	12	2.0	83	26	38	11.8	12	49.71
NEW	4832012016	12	3.0	83	26	38	11.8	12	49.71
NEW	4832016011	16	0.5	92	32	45	15.8	16	73.33
NEW	4832016012	16	1.0	92	32	45	15.8	16	73.33
NEW	4832016014	16	2.0	92	32	45	15.8	16	73.33
NEW	4832016016	16	3.0	92	32	45	15.8	16	73.33
NEW	4832016018	16	4.0	92	32	45	15.8	16	73.33
NEW	4832020012	20	1.0	104	38	60	19.8	20	108.12
NEW	4832020014	20	2.0	104	38	60	19.8	20	108.12
NEW	4832020016	20	3.0	104	38	60	19.8	20	108.12
NEW	4832020018	20	4.0	104	38	60	19.8	20	108.12
NEW	4832020020	20	5.0	104	38	60	19.8	20	108.12

Vc (m/min)	Low carbon - Alloy - Tool Steel									GG-GGG-GTW			Stainless steel			Aluminium - Mg			Ti - Alloys		
	HB150-250			HRC 20 - 30			HRC 30 - 40			>HB 180			HRC20			Non - alloyed			HRC40 - 50		
	500-800 N/mm²			800-1000 N/mm²			1000-1300 N/mm²			Non - alloyed			400 - 700 N/mm²			Non - alloyed			Exotic material		
d	fz	S=n	F=Vf	fz	S=n	F=Vf	fz	S=n	F=Vf	fz	S=n	F=Vf	fz	S=n	F=Vf	fz	S=n	F=Vf	fz	S=n	F=Vf
4.0	0.035	12,730	1,790	0.030	9,550	1,150	0.030	7,960	960	0.035	11,150	1,570	0.030	3,980	480	0.035	14,330	2,010	0.025	5,180	520
6.0	0.040	8,490	1,360	0.035	6,370	900	0.035	5,310	750	0.040	7,430	1,190	0.035	2,660	380	0.040	9,550	1,530	0.027	3,450	380
8.0	0.070	6,370	1,790	0.065	4,780	1,250	0.065	3,980	1,040	0.070	5,580	1,570	0.065	1,990	520	0.070	7,170	2,010	0.031	2,590	330
10.0	0.100	5,090	2,040	0.080	3,820	1,230	0.080	3,190	1,030	0.100	4,460	1,790	0.080	1,600	520	0.100	5,730	2,300	0.038	2,070	320
12.0	0.120	4,240	2,040	0.100	3,190	1,280	0.100	2,660	1,070	0.120	3,720	1,790	0.100	1,330	540	0.120	4,780	2,300	0.045	1,730	320
16.0	0.130	3,180	1,660	0.120	2,390	1,150	0.120	1,990	960	0.130	2,790	1,460	0.120	1,000	480	0.130	3,590	1,870	0.052	1,300	280
20.0	0.150	2,550	1,530	0.120	1,910	920	0.120	1,600	770	0.150	2,230	1,340	0.120	800	390	0.150	2,870	1,730	0.059	1,040	250

- Carbide End Mills with better balance due to Variable Helix end Uneven Flute spacing
- New TiAlN multi layered coating
- Excellent surface finish
- Increased life-time



ap x d	ap	Fakt.	ap	Fakt.	ap	Fakt.
with F(fz)	0.5	1.0	0.5	1.2	0.5	1.3
Correction	1.0	0.7	1.0	1.0	1.0	1.2
	1.5	0.5	1.5	0.7	1.5	1.0
	2.0	0.3	2.0	0.5	2.0	0.8

The above stated application data are as per RED marked parameters.

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