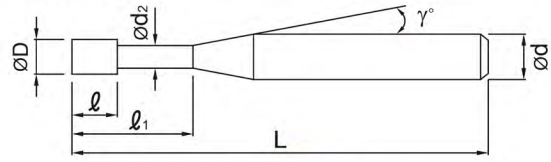
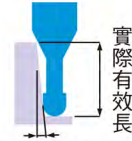


# MHR230 無限鍍膜全鎢鋼超硬深溝立銑刀

## 2-Flute Long Neck End Mills



$D < 0.5$   $0 \sim -0.01$   $D \geq 0.5$   $0 \sim -0.02$



\* 長頸型，最適於細長、狹窄之溝槽加工。

工件傾斜角

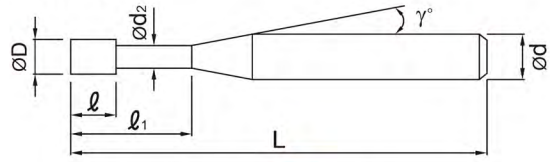
單位：mm

刃徑 (D)	有效長 (l)	刃長 (l <sub>1</sub> )	首下徑 (d <sub>2</sub> )	柄徑 (d)	全長 (L)	傾斜角與有效長之對應					價(支)格
						30'	1°	1°30'	2°	3°	
0.1	0.3	0.15	0.085	4	45	0.34	0.36	0.38	0.40	0.44	7,100.00
0.1	0.5	0.15	0.085	4	45	0.55	0.58	0.61	0.64	0.71	7,740.00
0.1	1	0.15	0.085	4	45	1.07	1.12	1.18	1.23	1.37	9,680.00
0.2	0.5	0.3	0.18	4	45	0.57	0.59	0.62	0.65	0.72	4,650.00
0.2	1	0.3	0.18	4	45	1.09	1.14	1.19	1.25	1.38	5,040.00
0.2	1.5	0.3	0.18	4	45	1.61	1.68	1.76	1.85	2.05	6,070.00
0.2	2	0.3	0.18	4	45	2.13	2.23	2.33	2.44	2.71	6,780.00
0.2	2.5	0.3	0.18	4	45	2.65	2.77	2.90	3.04	3.38	7,040.00
0.2	3	0.3	0.18	4	45	3.17	3.31	3.47	3.64	4.04	7,040.00
0.2	3.5	0.3	0.18	4	45	3.69	3.86	4.04	4.24	4.70	7,620.00
0.2	4	0.3	0.18	4	45	4.22	4.40	4.61	4.84	5.37	8,200.00
0.3	1	0.4	0.28	4	45	1.09	1.14	1.19	1.25	1.38	4,070.00
0.3	1.5	0.4	0.28	4	45	1.61	1.68	1.76	1.85	2.05	4,070.00
0.3	2	0.4	0.28	4	45	2.13	2.23	2.33	2.44	2.71	5,040.00
0.3	2.5	0.4	0.28	4	45	2.65	2.77	2.90	3.04	3.38	5,230.00
0.3	3	0.4	0.28	4	45	3.17	3.31	3.47	3.64	4.04	5,230.00
0.3	4	0.4	0.28	4	45	4.22	4.40	4.61	4.84	5.37	5,940.00
0.3	5	0.4	0.28	4	45	5.26	5.49	5.75	6.03	6.69	5,940.00
0.3	6	0.4	0.28	4	45	6.30	6.58	6.89	7.23	8.02	6,650.00
0.3	9	0.4	0.28	4	45	9.43	9.85	10.31	10.82	12.00	7,040.00
0.4	1	0.6	0.37	4	45	1.11	1.16	1.22	1.28	1.42	2,970.00
0.4	2	0.6	0.37	4	45	2.15	2.25	2.36	2.47	2.74	2,970.00
0.4	3	0.6	0.37	4	45	3.20	3.34	3.50	3.67	4.07	2,970.00
0.4	4	0.6	0.37	4	45	4.24	4.43	4.64	4.87	5.40	2,970.00
0.4	5	0.6	0.37	4	45	5.28	5.52	5.78	6.06	6.72	2,970.00
0.4	6	0.6	0.37	4	45	6.33	6.61	6.92	7.26	8.05	3,680.00
0.4	7	0.6	0.37	4	45	7.37	7.70	8.06	8.46	9.38	4,520.00
0.4	8	0.6	0.37	4	45	8.41	8.79	9.20	9.65	10.71	6,450.00
0.4	9	0.6	0.37	4	45	9.45	9.88	10.34	10.85	12.03	6,450.00
0.4	10	0.6	0.37	4	45	10.50	10.97	11.48	12.05	13.36	7,040.00
0.4	12	0.6	0.37	4	45	12.58	13.15	13.76	14.44	16.02	7,040.00
0.5	1	0.7	0.46	4	45	1.14	1.19	1.24	1.30	1.45	2,130.00
0.5	2	0.7	0.46	4	45	2.18	2.28	2.38	2.50	2.77	2,130.00
0.5	3	0.7	0.46	4	45	3.22	3.37	3.52	3.70	4.10	2,130.00
0.5	4	0.7	0.46	4	45	4.26	4.46	4.66	4.89	5.43	2,130.00
0.5	5	0.7	0.46	4	45	5.31	5.54	5.80	6.09	6.76	2,130.00
0.5	6	0.7	0.46	4	45	6.35	6.63	6.95	7.29	8.08	2,130.00
0.5	7	0.7	0.46	4	45	7.39	7.72	8.09	8.48	9.41	3,550.00
0.5	8	0.7	0.46	4	50	8.44	8.81	9.23	9.68	10.74	3,550.00

無限鍍膜刀具 MUGEN Coating

# MHR230 無限鍍膜全鎢鋼超硬深溝立銑刀

## 2-Flute Long Neck End Mills



\* 長頸型，最適於細長、狹窄之溝槽加工。

工件傾斜角

單位：mm

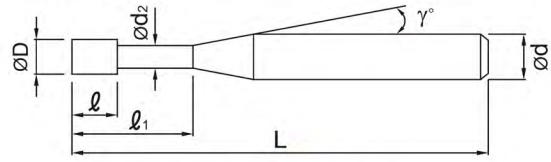
刃徑 (D)	有效長 (l)	刃長 (l <sub>1</sub> )	首下徑 (d <sub>2</sub> )	柄徑 (d)	全長 (L)	傾斜角與有效長之對應					價(支)格
						30'	1°	1°30'	2°	3°	
0.5	9	0.7	0.46	4	50	9.48	9.90	10.37	10.88	12.07	3,550.00
0.5	10	0.7	0.46	4	50	10.52	10.99	11.51	12.07	13.39	3,550.00
0.5	12	0.7	0.46	4	50	12.61	13.17	13.79	14.47	16.05	4,260.00
0.5	15	0.7	0.46	4	50	15.74	16.44	17.21	18.06	20.03	4,520.00
0.6	2	0.9	0.56	4	45	2.18	2.28	2.38	2.50	2.77	2,260.00
0.6	3	0.9	0.56	4	45	3.22	3.37	3.52	3.70	4.10	2,260.00
0.6	4	0.9	0.56	4	45	4.26	4.46	4.66	4.89	5.43	2,260.00
0.6	5	0.9	0.56	4	45	5.31	5.54	5.80	6.09	6.76	2,260.00
0.6	6	0.9	0.56	4	45	6.35	6.63	6.95	7.29	8.08	2,260.00
0.6	7	0.9	0.56	4	45	7.39	7.72	8.09	8.48	9.41	2,840.00
0.6	8	0.9	0.56	4	50	8.44	8.81	9.23	9.68	10.74	3,680.00
0.6	10	0.9	0.56	4	50	10.52	10.99	11.51	12.07	13.39	4,260.00
0.6	12	0.9	0.56	4	50	12.61	13.17	13.79	14.47	16.05	4,710.00
0.6	15	0.9	0.56	4	50	15.74	16.44	17.21	18.06	20.03	5,420.00
0.6	18	0.9	0.56	4	50	18.86	19.71	20.63	21.65	24.01	5,680.00
0.7	2	1	0.66	4	45	2.18	2.28	2.38	2.50	2.77	2,580.00
0.7	4	1	0.66	4	45	4.26	4.46	4.66	4.89	5.43	2,580.00
0.7	6	1	0.66	4	45	6.35	6.63	6.95	7.29	8.08	2,580.00
0.7	8	1	0.66	4	50	8.44	8.81	9.23	9.68	10.74	4,200.00
0.7	10	1	0.66	4	50	10.52	10.99	11.51	12.07	13.39	5,490.00
0.8	4	1.2	0.76	4	45	4.26	4.46	4.66	4.89	5.43	2,520.00
0.8	6	1.2	0.76	4	45	6.35	6.63	6.95	7.29	8.08	2,520.00
0.8	8	1.2	0.76	4	50	8.44	8.81	9.23	9.68	10.74	2,520.00
0.8	10	1.2	0.76	4	50	10.52	10.99	11.51	12.07	13.39	3,680.00
0.8	12	1.2	0.76	4	50	12.61	13.17	13.79	14.47	16.05	4,200.00
0.8	14	1.2	0.76	4	50	14.69	15.35	16.07	16.86	18.70	4,710.00
0.8	16	1.2	0.76	4	50	16.78	17.53	18.35	19.25	21.36	4,710.00
0.8	20	1.2	0.76	4	60	20.95	21.89	22.91	24.04	26.66	5,230.00
0.8	24	1.2	0.76	4	60	25.12	26.24	27.47	28.83	-	5,620.00
0.9	4	1.4	0.86	4	45	4.26	4.46	4.66	4.89	5.43	2,910.00
0.9	6	1.4	0.86	4	45	6.35	6.63	6.95	7.29	8.08	2,910.00
0.9	8	1.4	0.86	4	50	8.44	8.81	9.23	9.68	10.74	2,910.00
0.9	10	1.4	0.86	4	50	10.52	10.99	11.51	12.07	13.39	2,910.00
0.9	15	1.4	0.86	4	60	15.74	16.44	17.21	18.06	20.03	5,490.00
1	3	1.5	0.95	4	50	3.25	3.39	3.55	3.73	4.13	2,260.00
1	4	1.5	0.95	4	50	4.29	4.48	4.69	4.92	5.46	2,260.00
1	5	1.5	0.95	4	50	5.33	5.57	5.83	6.12	6.79	2,260.00
1	6	1.5	0.95	4	50	6.37	6.66	6.97	7.32	8.11	2,260.00
1	7	1.5	0.95	4	50	7.42	7.75	8.11	8.51	9.44	2,260.00

無限鍍膜刀具

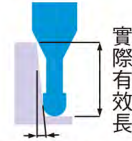
MUGEN Coating

# MHR230 無限鍍膜全鎢鋼超硬深溝立銑刀

## 2-Flute Long Neck End Mills



D < 0.5 0 ~ -0.01  
 D ≥ 0.5 0 ~ -0.02



工件傾斜角

單位：mm

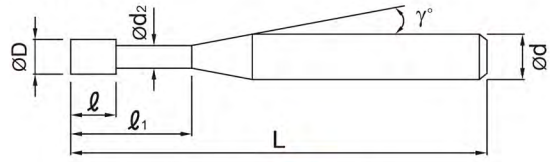
\* 長頸型，最適於細長、狹窄之溝槽加工。

刃徑 (D)	有效長 (l)	刃長 (l <sub>1</sub> )	首下徑 (d <sub>2</sub> )	柄徑 (d)	全長 (L)	傾斜角與有效長之對應					價(支)格
						30'	1°	1°30'	2°	3°	
1	8	1.5	0.95	4	50	8.46	8.84	9.25	9.71	10.77	2,260.00
1	9	1.5	0.95	4	50	9.50	9.93	10.39	10.91	12.10	2,260.00
1	10	1.5	0.95	4	50	10.55	11.02	11.53	12.10	13.42	2,260.00
1	12	1.5	0.95	4	50	12.63	13.20	13.82	14.49	16.08	2,260.00
1	14	1.5	0.95	4	50	14.72	15.38	16.10	16.89	18.73	2,260.00
1	16	1.5	0.95	4	60	16.80	17.55	18.38	19.28	21.39	3,680.00
1	18	1.5	0.95	4	60	18.89	19.73	20.66	21.67	24.04	3,680.00
1	20	1.5	0.95	4	60	20.97	21.91	22.94	24.07	26.70	3,680.00
1	22	1.5	0.95	4	60	23.06	24.09	25.22	26.46	-	4,260.00
1	25	1.5	0.95	4	70	26.19	27.36	28.64	30.05	-	4,260.00
1	30	1.5	0.95	4	70	31.40	32.81	34.34	36.03	-	4,710.00
1.2	4	1.8	1.15	4	50	4.29	4.48	4.69	4.92	5.46	2,390.00
1.2	6	1.8	1.15	4	50	6.37	6.66	6.97	7.32	8.11	2,390.00
1.2	8	1.8	1.15	4	50	8.46	8.84	9.25	9.71	10.77	2,390.00
1.2	10	1.8	1.15	4	50	10.55	11.02	11.53	12.10	13.42	2,390.00
1.2	12	1.8	1.15	4	50	12.63	13.20	13.82	14.49	16.08	2,390.00
1.2	16	1.8	1.15	4	60	16.80	17.55	18.38	19.28	21.39	3,810.00
1.2	20	1.8	1.15	4	60	20.97	21.91	22.94	24.07	26.70	3,810.00
1.4	6	2.1	1.35	4	50	6.37	6.66	6.97	7.32	8.11	2,460.00
1.4	8	2.1	1.35	4	50	8.46	8.84	9.25	9.71	10.77	2,460.00
1.4	10	2.1	1.35	4	50	10.55	11.02	11.53	12.10	13.42	2,460.00
1.4	12	2.1	1.35	4	50	12.63	13.20	13.82	14.49	16.08	2,460.00
1.4	14	2.1	1.35	4	60	14.72	15.38	16.10	16.89	18.73	2,460.00
1.4	16	2.1	1.35	4	60	16.80	17.55	18.38	19.28	21.39	2,840.00
1.4	22	2.1	1.35	4	60	23.06	24.09	25.22	26.46	-	3,810.00
1.5	4	2.3	1.45	4	50	4.29	4.48	4.69	4.92	5.46	2,390.00
1.5	6	2.3	1.45	4	50	6.37	6.66	6.97	7.32	8.11	2,390.00
1.5	8	2.3	1.45	4	50	8.46	8.84	9.25	9.71	10.77	2,390.00
1.5	10	2.3	1.45	4	50	10.55	11.02	11.53	12.10	13.42	2,390.00
1.5	12	2.3	1.45	4	50	12.63	13.20	13.82	14.49	16.08	2,390.00
1.5	14	2.3	1.45	4	60	14.72	15.38	16.10	16.89	18.73	2,460.00
1.5	16	2.3	1.45	4	60	16.80	17.55	18.38	19.28	21.39	2,460.00
1.5	18	2.3	1.45	4	60	18.89	19.73	20.66	21.67	24.04	2,460.00
1.5	20	2.3	1.45	4	60	20.97	21.91	22.94	24.07	-	2,460.00
1.5	25	2.3	1.45	4	70	26.19	27.36	28.64	30.05	-	3,680.00
1.5	30	2.3	1.45	4	70	31.40	32.81	34.34	36.03	-	3,680.00
1.5	35	2.3	1.45	4	80	36.62	38.25	40.05	-	-	4,200.00
1.5	38	2.3	1.45	4	80	39.74	41.52	43.47	-	-	4,260.00
1.5	40	2.3	1.45	4	80	41.83	43.70	45.75	-	-	4,710.00

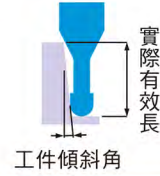
無限鍍膜刀具 MUGEN Coating

# MHR230 無限鍍膜全鎢鋼超硬深溝立銑刀

## 2-Flute Long Neck End Mills



D < 0.5 0 ~ -0.01  
 D ≥ 0.5 0 ~ -0.02



\* 長頸型，最適於細長、狹窄之溝槽加工。

單位：mm

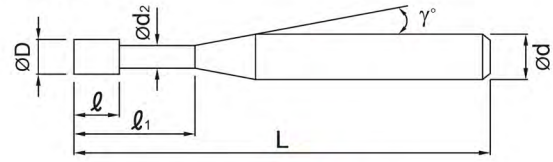
刃徑 (D)	有效長 (l)	刃長 (l <sub>1</sub> )	首下徑 (d <sub>2</sub> )	柄徑 (d)	全長 (L)	傾斜角與有效長之對應					價(支)格
						30'	1°	1°30'	2°	3°	
1.5	45	2.3	1.45	4	80	47.04	49.15	-	-	-	4,710.00
1.6	6	2.4	1.55	4	50	6.37	6.66	6.97	7.32	8.11	2,460.00
1.6	8	2.4	1.55	4	50	8.46	8.84	9.25	9.71	10.77	2,460.00
1.6	10	2.4	1.55	4	50	10.55	11.02	11.53	12.10	13.42	2,460.00
1.6	12	2.4	1.55	4	50	12.63	13.20	13.82	14.49	16.08	2,460.00
1.6	14	2.4	1.55	4	60	14.72	15.38	16.10	16.89	18.73	2,460.00
1.6	16	2.4	1.55	4	60	16.80	17.55	18.38	19.28	21.39	2,460.00
1.6	18	2.4	1.55	4	60	18.89	19.73	20.66	21.67	-	2,460.00
1.6	20	2.4	1.55	4	60	20.97	21.91	22.94	24.07	-	2,460.00
1.6	26	2.4	1.55	4	60	27.23	28.45	29.78	31.25	-	3,750.00
1.8	6	2.7	1.75	4	50	6.37	6.66	6.97	7.32	8.11	2,460.00
1.8	8	2.7	1.75	4	50	8.46	8.84	9.25	9.71	10.77	2,460.00
1.8	10	2.7	1.75	4	50	10.55	11.02	11.53	12.10	13.42	2,460.00
1.8	12	2.7	1.75	4	50	12.63	13.20	13.82	14.49	16.08	2,460.00
1.8	14	2.7	1.75	4	50	14.72	15.38	16.10	16.89	18.73	2,460.00
1.8	16	2.7	1.75	4	60	16.80	17.55	18.38	19.28	21.39	2,460.00
1.8	18	2.7	1.75	4	60	18.89	19.73	20.66	21.67	-	2,460.00
1.8	20	2.7	1.75	4	60	20.97	21.91	22.94	24.07	-	2,460.00
1.8	25	2.7	1.75	4	70	26.19	27.36	28.64	30.05	-	3,360.00
2	6	3	1.94	4	50	6.40	6.69	7.00	7.34	8.15	2,390.00
2	8	3	1.94	4	50	8.48	8.86	9.28	9.74	10.80	2,390.00
2	10	3	1.94	4	50	10.57	11.04	11.56	12.13	13.45	2,390.00
2	12	3	1.94	4	50	12.66	13.22	13.84	14.52	16.11	2,390.00
2	14	3	1.94	4	60	14.74	15.40	16.12	16.92	18.76	2,390.00
2	16	3	1.94	4	60	16.83	17.58	18.40	19.31	-	2,390.00
2	18	3	1.94	4	60	18.91	19.76	20.69	21.70	-	2,390.00
2	20	3	1.94	4	60	21.00	21.94	22.97	24.10	-	2,390.00
2	25	3	1.94	4	70	26.21	27.39	28.67	-	-	2,390.00
2	30	3	1.94	4	70	31.43	32.83	34.37	-	-	2,970.00
2	35	3	1.94	4	80	36.64	38.28	-	-	-	3,550.00
2	40	3	1.94	4	90	41.85	43.73	-	-	-	4,460.00
2	50	3	1.94	4	100	52.28	54.62	-	-	-	5,360.00
2	60	3	1.94	4	110	62.71	-	-	-	-	6,200.00
2.5	8	3.7	2.4	4	50	8.58	8.97	9.39	9.85	10.93	2,520.00
2.5	10	3.7	2.4	4	50	10.67	11.15	11.67	12.24	13.58	2,520.00
2.5	12	3.7	2.4	4	50	12.75	13.32	13.95	14.64	-	2,520.00
2.5	14	3.7	2.4	4	50	14.84	15.50	16.23	17.03	-	2,520.00
2.5	16	3.7	2.4	4	60	16.93	17.68	18.51	19.42	-	2,520.00
2.5	18	3.7	2.4	4	60	19.01	19.86	20.79	21.82	-	2,520.00

無限鍍膜刀具

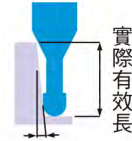
MUGEN Coating

# MHR230 無限鍍膜全鎢鋼超硬深溝立銑刀

## 2-Flute Long Neck End Mills



$D < 0.5$     $0 \sim -0.01$   
 $D \geq 0.5$     $0 \sim -0.02$



\* 長頸型，最適於細長、狹窄之溝槽加工。

工件傾斜角

單位：mm

刀徑 (D)	有效長 (ℓ)	刃長 (ℓ <sub>1</sub> )	首下徑 (d <sub>2</sub> )	柄徑 (d)	全長 (L)	傾斜角與有效長之對應					價(支)格
						30'	1°	1°30'	2°	3°	
2.5	20	3.7	2.4	4	60	21.10	22.04	23.07	-	-	2,520.00
2.5	25	3.7	2.4	4	70	26.31	27.49	28.78	-	-	2,710.00
2.5	30	3.7	2.4	4	70	31.52	32.94	-	-	-	2,710.00
2.5	40	3.7	2.4	4	90	41.95	43.83	-	-	-	3,810.00
2.5	50	3.7	2.4	4	100	52.38	-	-	-	-	4,710.00
3	8	4.5	2.85	6	50	8.71	9.10	9.52	9.99	11.08	3,230.00
3	10	4.5	2.85	6	50	10.79	11.27	11.80	12.38	13.74	3,230.00
3	12	4.5	2.85	6	50	12.88	13.45	14.08	14.78	16.39	3,230.00
3	14	4.5	2.85	6	50	14.96	15.63	16.36	17.17	19.04	3,230.00
3	16	4.5	2.85	6	60	17.05	17.81	18.65	19.56	21.70	3,230.00
3	18	4.5	2.85	6	60	19.13	19.99	20.93	21.96	24.35	3,230.00
3	20	4.5	2.85	6	60	21.22	22.17	23.21	24.35	27.01	3,230.00
3	25	4.5	2.85	6	70	26.43	27.62	28.91	30.33	-	3,230.00
3	30	4.5	2.85	6	70	31.65	33.06	34.61	36.31	-	3,870.00
3	35	4.5	2.85	6	90	36.86	38.51	40.32	42.30	-	4,000.00
3	40	4.5	2.85	6	90	42.08	43.96	46.02	-	-	4,000.00
3	50	4.5	2.85	6	100	52.50	54.85	57.42	-	-	5,620.00
4	12	6	3.8	6	50	13.00	13.58	14.22	14.92	16.55	3,750.00
4	16	6	3.8	6	60	17.17	17.94	18.78	19.70	-	3,750.00
4	20	6	3.8	6	60	21.34	22.30	23.34	24.49	-	3,750.00
4	25	6	3.8	6	70	26.56	27.74	29.04	-	-	3,750.00
4	30	6	3.8	6	70	31.77	33.19	34.75	-	-	3,750.00
4	35	6	3.8	6	80	36.98	38.64	-	-	-	3,750.00
4	40	6	3.8	6	90	42.20	44.09	-	-	-	4,710.00
4	45	6	3.8	6	90	47.41	49.53	-	-	-	5,620.00
4	50	6	3.8	6	100	52.63	54.98	-	-	-	6,970.00
4	60	6	3.8	6	110	63.05	-	-	-	-	8,130.00
5	16	7.5	4.8	6	60	17.17	17.94	18.78	-	-	4,710.00
5	20	7.5	4.8	6	60	21.34	22.30	-	-	-	4,710.00
5	25	7.5	4.8	6	70	26.56	27.74	-	-	-	4,710.00
5	30	7.5	4.8	6	80	31.77	-	-	-	-	4,710.00
5	35	7.5	4.8	6	80	36.98	-	-	-	-	4,710.00
5	40	7.5	4.8	6	90	42.20	-	-	-	-	4,710.00
5	50	7.5	4.8	6	110	52.63	-	-	-	-	7,420.00
5	60	7.5	4.8	6	120	-	-	-	-	-	8,520.00
6	20	9	5.8	6	80	-	-	-	-	-	4,840.00
6	30	9	5.8	6	90	-	-	-	-	-	4,970.00
6	40	9	5.8	6	100	-	-	-	-	-	5,870.00
6	50	9	5.8	6	110	-	-	-	-	-	7,420.00
6	60	9	5.8	6	120	-	-	-	-	-	8,840.00

無限鍍膜刀具 MUGEN Coating