

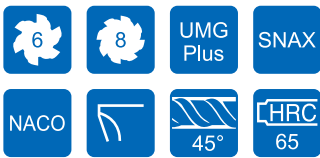
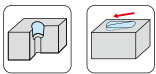
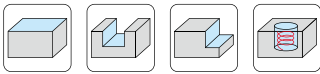
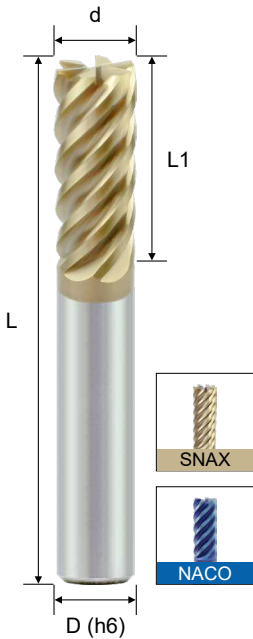
H70X - Square · High Helix · 6F / 8F

平銑刀 · 高導型 · 6 刃 / 8 刃

- Suitable for HRC 50 Hardened Steel, maximum up to HRC 65.
- Horsepower consumption will be decreased with greater shearing action.
- High Helix and 6 Flutes design gives a good finishing surface.
- SNAX (Al, Ti, Si, N) smooth coating provides a superior wear and heat resistance.
- The coating can change to Naco Blue coating is optional.



EHSSS



d Tolerance	
d ≤ 12	0 ~ -0.02
d > 12	0 ~ -0.03

Order No.		Dia. (d)	CL (L1)	OAL (L)	Shank (D)	Flutes (Z)
SNAX	NACO					
EHSSS606000S	EHSSS606000N	6	15	50	6	6
EHSSS608000S	EHSSS608000N	8	20	60	8	6
EHSSS610000S	EHSSS610000N	10	25	75	10	6
EHSSS612000S	EHSSS612000N	12	30	75	12	6
EHSSS816000S	EHSSS816000N	16	40	100	16	8
EHSSS818000S	EHSSS818000N	18	40	100	18	8
EHSSS820000S	EHSSS820000N	20	45	100	20	8
EHSSS825000S	EHSSS825000N	25	45	100	25	8

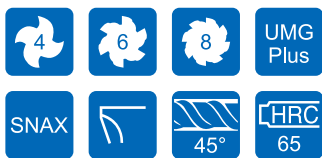
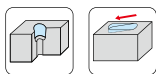
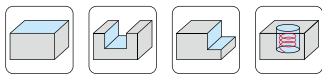
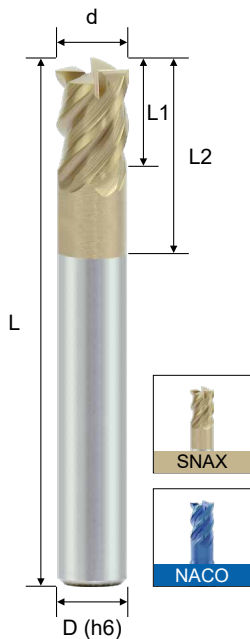
WORKING MATERIAL	HARDENED STEEL		HARDENED STEEL		HARDENED STEEL	
CODE	SKT, SKD		SKT, SKD		SKT, SKD	
HARDNESS	HRC 45~55		HRC 55~60		HRC 60~70	
Vc	129 m/min		98 m/min		65 m/min	
DIAMETER (d)	RPM	Feed (mm/min)	RPM	Feed (mm/min)	RPM	Feed (mm/min)
6mm	6,890	1,900	5,200	1,000	3,445	505
8mm	5,200	1,900	3,900	1,000	2,600	505
10mm	4,160	1,900	3,120	1,000	2,080	505
12mm	3,445	1,900	2,600	1,000	1,755	505
14mm	2,925	1,800	2,210	1,000	1,430	505
16mm	2,535	1,700	2,015	930	1,294	505
18mm	2,275	1,600	1,885	895	1,151	505
20mm	2,015	1,500	1,495	845	1,040	505
25mm	1,625	1,500	1,242	915	826	505
	ap = 1.5d ae = 0.05d		ap = 1.5d ae = 0.03d		ap = 1d ae = 0.02d	

**H70X - Square · High Helix · Short Flute · 4F / 6F / 8F** 平銑刀 · 高導短刃型 · 4刃 / 6刃 / 8刃

- Suitable for HRC 50 Hardened Steel, maximum up to HRC 65.
- Greater shearing action results in increased speeds and feeds and faster stock removal.
- Prevents clogging of the flutes.
- SNAX (Al, Ti, Si, N) smooth coating provides a superior wear and heat resistance.
- The coating can change to Naco Blue coating is optional.



**EHSUS**



d Tolerance	
d ≤ 12	0 ~ -0.02
d > 12	0 ~ -0.03

Order No.		Dia. (d)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (Z)
SNAX	NACO						
EHSUS441000S	EHSUS441000N	1	1.5	2.5	50	4	4
EHSUS442000S	EHSUS442000N	2	3.0	5.0	50	4	4
EHSUS403000S	EHSUS403000N	3	4.5	7.5	50	6	4
EHSUS404000S	EHSUS404000N	4	6.0	10.0	50	6	4
EHSUS405000S	EHSUS405000N	5	7.5	12.5	50	6	4
EHSUS606000S	EHSUS606000N	6	9.0	15.0	50	6	6
EHSUS608000S	EHSUS608000N	8	12.0	20.0	60	8	6
EHSUS610000S	EHSUS610000N	10	15.0	25.0	75	10	6
EHSUS612000S	EHSUS612000N	12	18.0	30.0	75	12	6
EHSUS816000S	EHSUS816000N	16	24.0	40.0	100	16	8
EHSUS820000S	EHSUS820000N	20	30.0	50.0	100	20	8
EHSSH441000S	EHSSH441000N	1	3	3	50	4	4
EHSSH441500S	EHSSH441500N	1.5	4	4	50	4	4
EHSSH442000S	EHSSH442000N	2	5	5	50	4	4
EHSSH442500S	EHSSH442500N	2.5	6	6	50	4	4
EHSSH443000S	EHSSH443000N	3	8	8	50	4	4
EHSSH444000S	EHSSH444000N	4	10	10	50	4	4

WORKING MATERIAL	HARDENED STEEL		HARDENED STEEL		HARDENED STEEL	
CODE	SKT, SKD		SKT, SKD		SKT, SKD	
HARDNESS	HRC 45~55		HRC 55~60		HRC 60~70	
Vc	208 m/min		195 m/min		129 m/min	
DIAMETER (d)	RPM	Feed (mm/min)	RPM	Feed (mm/min)	RPM	Feed (mm/min)
6mm	11,050	2,450	10,335	2,000	6,890	1,210
8mm	8,255	2,440	7,735	1,995	5,200	1,215
10mm	6,630	2,450	6,110	1,970	4,160	1,215
12mm	5,525	2,450	5,135	1,985	3,445	1,210
14mm	4,680	2,420	4,420	1,995	2,925	1,200
16mm	4,095	2,420	3,900	2,000	2,535	1,285
18mm	3,640	2,420	3,445	2,000	2,275	1,200
20mm	3,250	2,400	3,055	1,970	2,015	1,180
25mm	2,600	2,400	2,470	1,990	1,625	1,190
	ap = 1.5d ae = 0.05d		ap = 1.5d ae = 0.03d		ap = 1d ae = 0.02d	

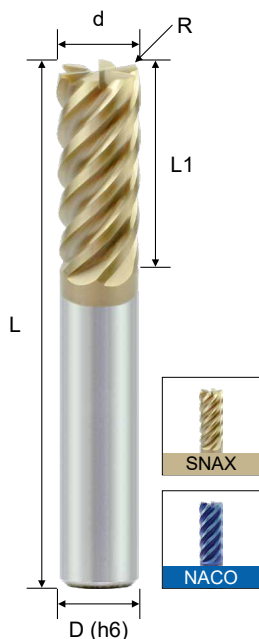
Solid End Milling

**H70X - Corner Radius · High Helix · 6F** 圓鼻銑刀 · 高導型 · 6 刃

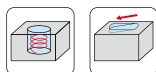
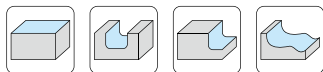
- Suitable for HRC 50 Hardened Steel, maximum up to HRC 65.
- Horsepower consumption will be decreased with greater shearing action.
- High Helix and 6 Flutes design gives a good finishing surface.
- SNAX (Al, Ti, Si, N) smooth coating provides a superior wear and heat resistance.
- The coating can change to Naco Blue coating is optional.



**EHCSS**



Order No.		Dia. (d)	Radius (R)	CL (L1)	OAL (L)	Shank (D)	Flutes (Z)
SNAX	NACO						
EHCSS606005S	EHCSS606005N	6	0.5R	12	50	6	6
EHCSS606010S	EHCSS606010N	6	1.0R	12	50	6	6
EHCSS608005S	EHCSS608005N	8	0.5R	16	60	8	6
EHCSS608010S	EHCSS608010N	8	1.0R	16	60	8	6
EHCSS610005S	EHCSS610005N	10	0.5R	20	75	10	6
EHCSS610010S	EHCSS610010N	10	1.0R	20	75	10	6
EHCSS612005S	EHCSS612005N	12	0.5R	24	75	12	6
EHCSS612010S	EHCSS612010N	12	1.0R	24	75	12	6
EHCSS616020S	EHCSS616020N	16	2.0R	32	100	16	6
EHCSS620020S	EHCSS620020N	20	2.0R	40	100	20	6



d Tolerance	
d ≤ 12	0 ~ -0.02
d > 12	0 ~ -0.03

R Tolerance	
R < 2	±0.015
R ≥ 2	±0.020

WORKING MATERIAL	HARDENED STEEL		HARDENED STEEL		HARDENED STEEL	
CODE	SKT, SKD		SKT, SKD		SKT, SKD	
HARDNESS	HRC 45~55		HRC 55~60		HRC 60~70	
Vc	129 m/min		98 m/min		65 m/min	
DIAMETER (d)	RPM	Feed (mm/min)	RPM	Feed (mm/min)	RPM	Feed (mm/min)
6mm	6,890	1,900	5,200	1,000	3,445	505
8mm	5,200	1,900	3,900	1,000	2,600	505
10mm	4,160	1,900	3,120	1,000	2,080	505
12mm	3,445	1,900	2,600	1,000	1,755	505
14mm	2,925	1,800	2,210	1,000	1,430	505
16mm	2,535	1,700	2,015	930	1,294	505
18mm	2,275	1,600	1,885	895	1,151	505
20mm	2,015	1,500	1,495	845	1,040	505
25mm	1,625	1,500	1,242	915	826	505

	ap = 1.5d ae = 0.05d	ap = 1.5d ae = 0.03d	ap = 1d ae = 0.02d

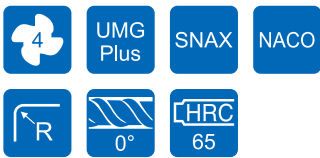
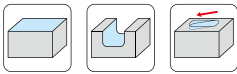
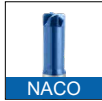
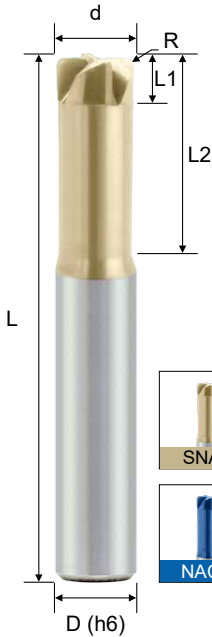
H70X - Corner Radius · High Feed · Short Flute · 4F

圓鼻銑刀 · 高進給直短刃型 · 4 刃

- Suitable for HRC 50 Hardened Steel, maximum up to HRC 65.
- Cutting edges are very strong and wear resistant.
- For High speed and high feed cutting.
- SNAX (Al, Ti, Si, N) smooth coating provides a superior wear and heat resistance.
- The coating can change to Naco Blue coating is optional.

ASIA  
(Metric)

EHCUK



d Tolerance	
d ≤ 12	0 ~ -0.02
d > 12	0 ~ -0.03

R Tolerance	
R < 2	±0.015
R ≥ 2	±0.020

Order No.		Dia. (d)	Radius (R)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (Z)
SNAX	NACO							
EHCUK40200506S	EHCUK40200506N	2	0.5R	1.0	6	50	6	4
EHCUK40300508S	EHCUK40300508N	3	0.5R	1.5	8	50	6	4
EHCUK40400512S	EHCUK40400512N	4	0.5R	2.0	12	60	6	4
EHCUK40400516S	EHCUK40400516N	4	0.5R	2.0	16	60	6	4
EHCUK40401012S	EHCUK40401012N	4	1.0R	2.0	12	60	6	4
EHCUK40401016S	EHCUK40401016N	4	1.0R	2.0	16	60	6	4
EHCUK40600512S	EHCUK40600512N	6	0.5R	3.0	12	60	6	4
EHCUK40600515S	EHCUK40600515N	6	0.5R	3.0	15	60	6	4
EHCUK40601015S	EHCUK40601015N	6	1.0R	3.0	15	60	6	4
EHCUK40601515S	EHCUK40601515N	6	1.5R	3.0	15	60	6	4
EHCUK40800520S	EHCUK40800520N	8	0.5R	4.0	20	60	8	4
EHCUK40801020S	EHCUK40801020N	8	1.0R	4.0	20	60	8	4
EHCUK41000525S	EHCUK41000525N	10	0.5R	5.0	25	75	10	4
EHCUK41001025S	EHCUK41001025N	10	1.0R	5.0	25	75	10	4
EHCUK41201030S	EHCUK41201030N	12	1.0R	6.0	30	75	12	4
EHCUK41202030S	EHCUK41202030N	12	2.0R	6.0	30	75	12	4

WORKING MATERIAL	HARDENED STEEL		HARDENED STEEL		HARDENED STEEL	
HARDNESS	HRC 40~50		HRC 50~55		HRC 55~60	
Vc	90~130 m/min		55~78 m/min		36~52 m/min	
DIAMETER (d)	RPM	Feed (mm/min)	RPM	Feed (mm/min)	RPM	Feed (mm/min)
2mm	20,700	5,750	12,420	3,450	8,280	2,310
3mm	13,800	6,050	8,280	3,640	5,520	2,420
4mm	10,350	7,030	6,210	4,220	4,140	2,810
6mm	6,900	6,900	4,140	4,140	2,760	2,760
8mm	5,200	6,850	3,105	4,090	2,070	2,730
10mm	4,150	6,600	2,500	3,970	1,650	2,640
12mm	3,450	6,900	2,070	4,140	1,380	2,760
	$\frac{ae}{R \leq 1} \mid 0.2 \times R \mid \frac{ap}{0.025d}$ $R > 1 \mid 0.4mm \mid 0.025d$		$\frac{ae}{R \leq 1} \mid 0.1 \times R \mid \frac{ap}{0.025d}$ $R > 1 \mid 0.2mm \mid 0.025d$			

Solid End Milling

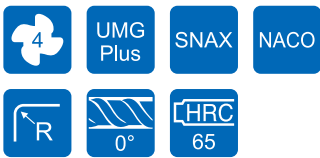
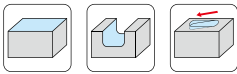
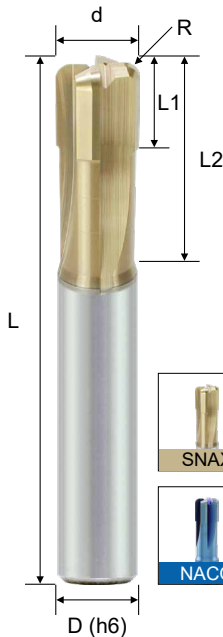
H70X - Corner Radius · High Feed · 4F

圓鼻銑刀 · 高進給直刃型 · 4 刃

- Suitable for HRC 50 Hardened Steel, maximum up to HRC 65.
- Non-Helix Design.
- Cutting edges are very strong and wear resistant.
- SNAX (Al, Ti, Si, N) smooth coating provides a superior wear and heat resistance.
- The coating can change to Naco Blue coating is optional.



EHCUS



d Tolerance	
d ≤ 12	0 ~ -0.02
d > 12	0 ~ -0.03

R Tolerance	
R < 2	±0.015
R ≥ 2	±0.020

Order No.		Dia. (d)	Radius (R)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (Z)
SNAX	NACO							
EHCUS441002S	EHCUS441002N	1	0.20R	1	2.5	50	4	4
EHCUS442002S	EHCUS442002N	2	0.25R	2	6.5	50	4	4
EHCUS403005S	EHCUS403005N	3	0.50R	3	7.5	50	6	4
EHCUS404005S	EHCUS404005N	4	0.50R	4	10.0	50	6	4
EHCUS404010S	EHCUS404010N	4	1.00R	4	10.0	50	6	4
EHCUS405010S	EHCUS405010N	5	1.00R	5	12.5	50	6	4
EHCUS406010S	EHCUS406010N	6	1.00R	6	15.0	50	6	4
EHCUS406015S	EHCUS406015N	6	1.50R	6	15.0	50	6	4
EHCUS408010S	EHCUS408010N	8	1.00R	8	20.0	60	8	4
EHCUS408015S	EHCUS408015N	8	1.50R	8	20.0	60	8	4
EHCUS408020S	EHCUS408020N	8	2.00R	8	20.0	60	8	4
EHCUS410010S	EHCUS410010N	10	1.00R	10	25.0	75	10	4
EHCUS410020S	EHCUS410020N	10	2.00R	10	25.0	75	10	4
EHCUS412010S	EHCUS412010N	12	1.00R	12	30.0	75	12	4
EHCUS412020S	EHCUS412020N	12	2.00R	12	30.0	75	12	4
EHCUS412030S	EHCUS412030N	12	3.00R	12	30.0	75	12	4

WORKING MATERIAL	HARDENED STEEL		HARDENED STEEL		HARDENED STEEL	
CODE	SKT, SKD		SKT, SKD		SKT, SKD	
HARDNESS	HRC 45~55		HRC 55~60		HRC 60~70	
Vc	65 M/min		39 M/min		26 M/min	
DIAMETER (d)	RPM	Feed (mm/min)	RPM	Feed (mm/min)	RPM	Feed (mm/min)
1mm	20,670	2,150	12,350	980	8,281	500
2mm	10,335	2,145	6,175	980	4,134	500
3mm	6,890	2,150	4,160	990	2,756	500
4mm	5,200	2,160	3,120	990	2,067	500
6mm	4,350	2,150	2,600	990	1,750	500
8mm	3,260	2,160	1,950	990	1,310	500
10mm	2,600	2,160	1,560	980	1,050	500
12mm	2,175	2,190	1,300	980	875	500

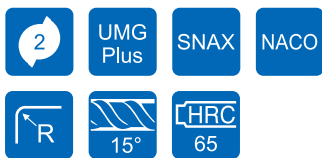
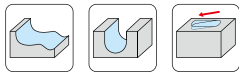
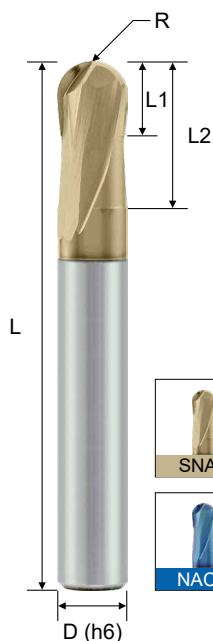
	ae	ap		ae	ap
	R ≤ 2   0.2 x R   0.05 d	0.05 d		R ≤ 2   0.1 x R   0.05 d	0.05 d
	R > 2   0.4 mm   0.05 d			R > 2   0.2 mm   0.05 d	

**H70X - Ball Nose · Low Helix · Short Flute · 2F** 球型銑刀 · 低導短刃型 · 2 刃

- Suitable for HRC 50 Hardened Steel, maximum up to HRC 65.
- Due to short cutting length it provides an excellent surface roughness of the work pieces.
- Low helix design is suitable for hardened steel cutting.
- SNAX (Al, Ti, Si, N) smooth coating provides a superior wear and heat resistance.
- The coating can change to Naco Blue coating is optional.



# EBBUS



R Tolerance	
R ≤ 3	±0.010
R > 3	±0.015

Order No.		Radius (R)	Dia. (d)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (Z)
SNAX	NACO							
EHBUS241000S	EHBUS241000N	0.50R	1.0	1.0	2	50	4	2
EHBUS241500S	EHBUS241500N	0.75R	1.5	1.5	3	50	4	2
EHBUS202000S	EHBUS202000N	1.00R	2.0	2.0	4	50	6	2
EHBUS203000S	EHBUS203000N	1.50R	3.0	3.0	6	50	6	2
EHBUS204000S	EHBUS204000N	2.00R	4.0	4.0	8	50	6	2
EHBUS205000S	EHBUS205000N	2.50R	5.0	5.0	10	50	6	2
EHBUS206000S	EHBUS206000N	3.00R	6.0	6.0	12	50	6	2
EHBUS208000S	EHBUS208000N	4.00R	8.0	8.0	16	60	8	2
EHBUS210000S	EHBUS210000N	5.00R	10.0	10.0	20	75	10	2
EHBUS212000S	EHBUS212000N	6.00R	12.0	12.0	24	75	12	2
EHBUS216000S	EHBUS216000N	8.00R	16.0	16.0	32	100	16	2

WORKING MATERIAL	HARDENED STEEL		HARDENED STEEL		HARDENED STEEL	
CODE	SKT, SKD		SKT, SKD		SKT, SKD	
HARDNESS	HRC 45~55		HRC 55~60		HRC 60~70	
Vc	86~129 m/min		77~116 m/min		42~63 m/min	
Radius (R)	RPM	Feed (mm/min)	RPM	Feed (mm/min)	RPM	Feed (mm/min)
0.5R	41,600	960	39,000	850	33,150	500
1.0R	40,950	1,900	37,050	1,880	20,150	600
1.5R	27,300	2,080	24,700	1,880	13,650	625
2.0R	20,150	2,050	18,200	1,850	10,335	630
2.5R	16,250	2,060	14,300	1,815	8,255	630
3.0R	13,650	2,080	12,350	1,880	6,890	630
4.0R	10,335	1,550	9,295	1,400	5,135	470
5.0R	8,255	1,250	7,410	1,100	4,095	375
6.0R	6,890	1,050	6,175	950	3,445	315
8.0R	5,135	790	4,745	710	2,535	230

$ap = 0.02d$

$pf = 0.1d$

Solid End Milling