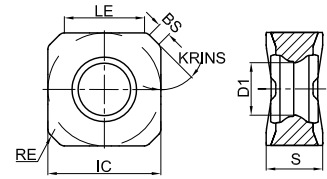












Face Milling

# SNE(M)U

Negative with Eight Edge Face



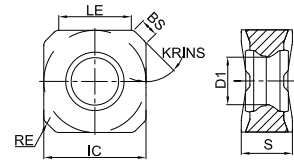
Ordering Code	Dimension(mm)							Coating Grade										Uncoated	Cermat			
	LE	IC	S	BS	D1	KRINS	RE	GA4225	GA4230	GA4325	GA4330	GP4225	GP2115	GM4135	GM2140	GK4125	GK2115			GS4130	GH4115	GN6125
SNEU1206ANEN-GL	9.1	12.7	6.35	1.6	5.9	45°	0.8	●				●	●		●	●	●	●				
																						
SNEU1206ANEN-GM	9.1	12.7	6.35	1.6	5.9	45°	0.8	●	●				●		●	●	●	●				
																						
SNMU1206ANEN-GM	9.1	12.7	6.35	1.6	5.9	45°	0.8	●	●	●			●		●	●	●	●				
																						
SNEU1206ANSN-GH	9.1	12.7	6.35	1.6	5.9	45°	0.8				●			●	●	●						
																						
SNMU1206ANSN-GH	9.1	12.7	6.35	1.6	5.9	45°	0.8				●				●	●						
																						
SNEU1206ANFN-NL	9.1	12.7	6.35	1.6	5.9	45°	0.8														●	
																						
SNEU1206ANEN-GW	9	12.7	6.35	5.1	5.9	45°	0.8		●							●						
																						
SNEU1206ENEN-GM	9.9	12.7	6.35	1.2	5.9	75°	0.8		●			●	●		●	●	●	●				
																						
SNMU1206ENEN-GM	9.9	12.7	6.35	1.2	5.9	75°	0.8		●			●	●		○	●	●	○				
																						
SNMU1206ZNEN-GL	10.7	12.7	6.35	1.1	5.9	88°	0.8			○	○		●	●	●	●	○					
																						









● Stock ○ Available Upon Order

Face Milling

# SNE(M)U

Negative with Eight Edge Face













Ordering Code	Dimension(mm)								Coating Grade										Uncoated	Cemet		
	LE	IC	S	BS	D1	KRINS	RE	GA4225	GA4230	GA4325	GA4330	GP4225	GP2115	GM4135	GM2140	GK4125	GK2115	GS4130			GH4115	GN9125
 SNEU1206ZNEN-GM	10.7	12.7	6.35	1.1	5.9	88°	0.8	●				●	●	●	●	●	●	●				
 SNMU1206ZNEN-GM	10.7	12.7	6.35	1.1	5.9	88°	0.8	●				●	●	●	●	●	○					
 SNMU1206ZNEN-GH	10.7	12.7	6.35	1.1	5.9	88°	0.8			○	○				●	●						
 SNEU1206ZNEN-GW	10.1	12.7	6.35	4	5.9	88°	0.6				○				●							
 SNEU120612-GM	10.3	12.7	6.35	--	5.9	--	1.2	●	●			●		●	●	●	●					
 SNMU120612-GM	10.3	12.7	6.35	--	5.9	--	1.2	●				●	●	●	●	●	○					
 SNMU120616-GM	9.5	12.7	6.35	--	5.9	--	1.6								●	●						
 SNMU120620-GM	8.7	12.7	6.35	--	5.9	--	2.0				○				●	●	○					

Note:

- ★ 1、SNE(M)U1206AN\*N match MFB145/24 cutter bodies
- ★ 2、SNE(M)U1206ENEN match MFB275 cutter bodies
- ★ 3、SNE(M)U1206ZNEN match MFB288 cutter bodies

● Stock ○ Available Upon Order

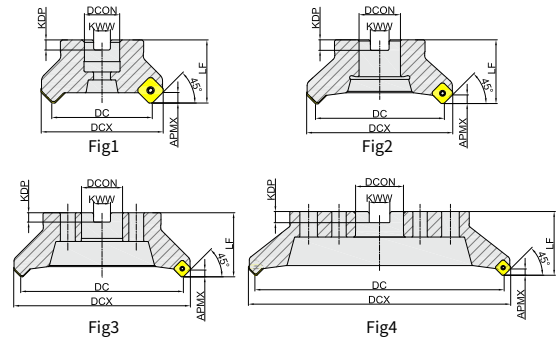
## SNE(M)U Series Geometry

Light Cutting for General Material	Medium Cutting for General Material	Heavy Cutting for General Material	Aluminium Cutting	Wiper
				
GL	GM	GH	NL	GW
				
Large rake angle with narrow edge width. Suitable for light cutting of low cutting speed and low feed.	Large rake angle High stability milling can be achieved under general cutting conditions.	High strength edge, interrupted cutting, excellent performance when removing black skin.	Large rake angle, Sharp cutting edge, mirror polished, smoothly chip removal.	With big circle wiper edge, improve the surface quality.

Face Milling

# MFB145

Arbor(with Shim)



Sparse Pitch

Ordering Code	Dia-meter	Teeth	Dimension(mm)							APMX	Suitable for	Shim	Coolant	Shape	Stock
			DC	DCX	DCON	LF	KWW	KDP							
MFB145050R03A22SN12	50	3	50	63.5	22	40	10.4	6.3	3	SNE(M)U1206AN*N	✓	✓	Fig1	●	
MFB145063R04A22SN12	63	4	63	76.5	22	40	10.4	6.3	3	SNE(M)U1206AN*N	✓	✓	Fig1	●	
MFB145080R05A27SN12	80	5	80	93.5	27	50	12.4	7	3	SNE(M)U1206AN*N	✓	✓	Fig1	●	
MFB145080L05A27SN12	80	5	80	93.5	27	50	12.4	7	3	SNE(M)U1206AN*N	✓	✓	Fig1	●	
MFB145100R06B32SN12	100	6	100	113.5	32	50	14.4	8	3	SNE(M)U1206AN*N	✓	×	Fig2	●	
MFB145125R07B40SN12	125	7	125	138.5	40	63	16.4	9	3	SNE(M)U1206AN*N	✓	×	Fig2	●	
MFB145160R08C40SN12	160	8	160	173.5	40	63	16.4	9	3	SNE(M)U1206AN*N	✓	×	Fig3	●	
MFB145200R10C60SN12	200	10	200	213.5	60	63	25.7	14	3	SNE(M)U1206AN*N	✓	×	Fig3	●	
MFB145250R12C60SN12	250	12	250	263.5	60	63	25.7	14	3	SNE(M)U1206AN*N	✓	×	Fig3	○	
MFB145315R15D60SN12	315	15	315	328.5	60	80	25.7	14	3	SNE(M)U1206AN*N	✓	×	Fig4	○	

● Stock ○ Available Upon Order

Dense Pitch

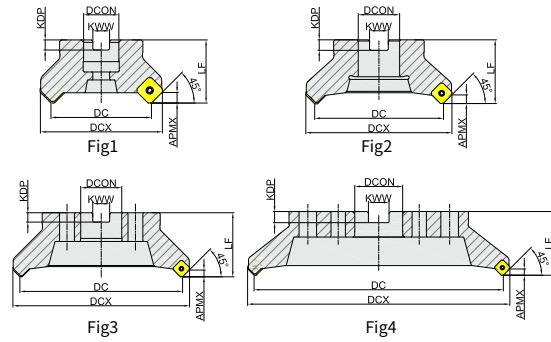
Ordering Code	Dia-meter	Teeth	Dimension(mm)							APMX	Suitable for	Shim	Coolant	Shape	Stock
			DC	DCX	DCON	LF	KWW	KDP							
MFB145050R04A22SN12	50	4	50	63.5	22	40	10.4	6.3	3	SNE(M)U1206AN*N	✓	✓	Fig1	●	
MFB145050L04A22SN12	50	4	50	63.5	22	40	10.4	6.3	3	SNE(M)U1206AN*N	✓	✓	Fig1	●	
MFB145063R05A22SN12	63	5	63	76.5	22	40	10.4	6.3	3	SNE(M)U1206AN*N	✓	✓	Fig1	●	
MFB145080R07A27SN12	80	7	80	93.5	27	50	12.4	7	3	SNE(M)U1206AN*N	✓	✓	Fig1	●	
MFB145080L08A27SN12	80	8	80	93.5	27	50	12.4	7	3	SNE(M)U1206AN*N	✓	✓	Fig1	●	
MFB145100R08B32SN12	100	8	100	113.5	32	50	14.4	8	3	SNE(M)U1206AN*N	✓	×	Fig2	●	
MFB145125R10B40SN12	125	10	125	138.5	40	63	16.4	9	3	SNE(M)U1206AN*N	✓	×	Fig2	●	
MFB145160R12C40SN12	160	12	160	173.5	40	63	16.4	9	3	SNE(M)U1206AN*N	✓	×	Fig3	●	
MFB145160L12C40SN12	160	12	160	173.5	40	63	16.4	9	3	SNE(M)U1206AN*N	✓	×	Fig3	●	
MFB145200R14C60SN12	200	14	200	213.5	60	63	25.7	14	3	SNE(M)U1206AN*N	✓	×	Fig3	●	
MFB145200L14C60SN12	200	14	200	213.5	60	63	25.7	14	3	SNE(M)U1206AN*N	✓	×	Fig3	●	
MFB145250R16C60SN12	250	16	250	263.5	60	63	25.7	14	3	SNE(M)U1206AN*N	✓	×	Fig3	○	
MFB145315R20D60SN12	315	20	315	328.5	60	80	25.7	14	3	SNE(M)U1206AN*N	✓	×	Fig4	○	

● Stock ○ Available Upon Order

Face Milling

# MFB145

Arbor(with Shim)



Extral Dense Teeth

Ordering Code	Dia-meter	Teeth	Dimension(mm)							APMX	Suitable for	Shim	Coolant	Shape	Stock
			DC	DCX	DCON	LF	KWW	KDP							
MFB145050R05A22SN12	50	5	50	63.5	22	40	10.4	6.3	3	SNE(M)U1206AN*N	✓	✓	Fig1	●	
MFB145063R06A22SN12	63	6	63	76.5	22	40	10.4	6.3	3	SNE(M)U1206AN*N	✓	✓	Fig1	●	
MFB145080R08A27SN12	80	8	80	93.5	27	50	12.4	7	3	SNE(M)U1206AN*N	✓	✓	Fig1	●	
MFB145100R10B32SN12	100	10	100	113.5	32	50	14.4	8	3	SNE(M)U1206AN*N	✓	×	Fig2	●	
MFB145125R12B40SN12	125	12	125	138.5	40	63	16.4	9	3	SNE(M)U1206AN*N	✓	×	Fig2	●	
MFB145160R15C40SN12	160	15	160	173.5	40	63	16.4	9	3	SNE(M)U1206AN*N	✓	×	Fig3	●	
MFB145200R18C60SN12	200	18	200	213.5	60	63	25.7	14	3	SNE(M)U1206AN*N	✓	×	Fig3	●	
MFB145200L18C60SN12	200	18	200	213.5	60	63	25.7	14	3	SNE(M)U1206AN*N	✓	×	Fig3	●	
MFB145250R21C60SN12	250	21	250	263.5	60	63	25.7	14	3	SNE(M)U1206AN*N	✓	×	Fig3	○	
MFB145315R24D60SN12	315	24	315	328.5	60	80	25.7	14	3	SNE(M)U1206AN*N	✓	×	Fig4	○	

● Stock ○ Available Upon Order

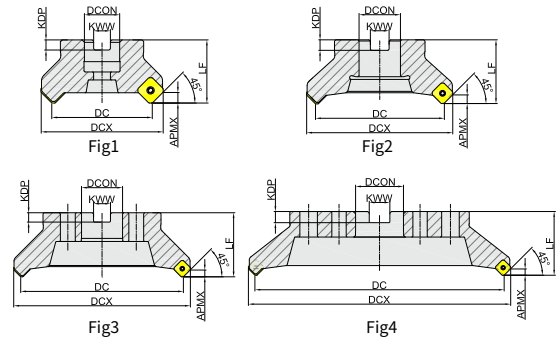
## Spare Parts

Part Name		Shim	Shim Screw	Wrench	Inserts Screw	Insert Screw Wrench	
Inserts	Shape						
	Specif-ication Ordering Code	DSN1206M H0K30SSN12	SSAM6.0X7.5F SSAM060075B	TH40L TH40LB	SI60M4.0X15.8-07108 SI60M040158-07108B	TT15P TT15PB	TT15T TT15TB

Face Milling

# MFB245

Arbor(Without Shim)



## Sparse Pitch

Ordering Code	Dia-meter	Teeth	Dimension(mm)							APMX	Suitable for	Shim	Coolant	Shape	Stock
			DC	DCX	DCON	LF	KWW	KDP							
MFB245050R03A22SN12	50	3	50	63.5	22	40	10.4	6.3	3	SNE(M)U1206AN*N	×	√	Fig1	●	
MFB245063R04A22SN12	63	4	63	76.5	22	40	10.4	6.3	3	SNE(M)U1206AN*N	×	√	Fig1	●	
MFB245080R05A27SN12	80	5	80	93.5	27	50	12.4	7	3	SNE(M)U1206AN*N	×	√	Fig1	●	
MFB245080L05A27SN12	80	5	80	93.5	27	50	12.4	7	3	SNE(M)U1206AN*N	×	√	Fig1	●	
MFB245100R06B32SN12	100	6	100	113.5	32	50	14.4	8	3	SNE(M)U1206AN*N	×	×	Fig2	●	
MFB245100L06B32SN12	100	6	100	113.5	32	50	14.4	8	3	SNE(M)U1206AN*N	×	×	Fig2	●	
MFB245125R07B40SN12	125	7	125	138.5	40	63	16.4	9	3	SNE(M)U1206AN*N	×	×	Fig2	●	
MFB245160R08C40SN12	160	8	160	173.5	40	63	16.4	9	3	SNE(M)U1206AN*N	×	×	Fig3	●	
MFB245200R10C60SN12	200	10	200	213.5	60	63	25.7	14	3	SNE(M)U1206AN*N	×	×	Fig3	●	
MFB245250R12C60SN12	250	12	250	263.5	60	63	25.7	14	3	SNE(M)U1206AN*N	×	×	Fig3	○	
MFB245315R15D60SN12	315	15	315	328.5	60	80	25.7	14	3	SNE(M)U1206AN*N	×	×	Fig4	○	

● Stock ○ Available Upon Order

## Dense Pitch

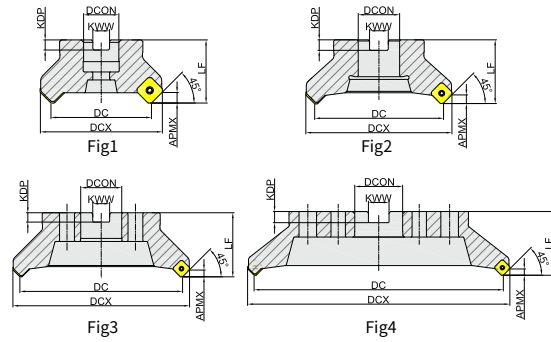
Ordering Code	Dia-meter	Teeth	Dimension(mm)							APMX	Suitable for	Shim	Coolant	Shape	Stock
			DC	DCX	DCON	LF	KWW	KDP							
MFB245050R04A22SN12	50	4	50	63.5	22	40	10.4	6.3	3	SNE(M)U1206AN*N	×	√	Fig1	●	
MFB245050L04A22SN12	50	4	50	63.5	22	40	10.4	6.3	3	SNE(M)U1206AN*N	×	√	Fig1	●	
MFB245063R05A22SN12	63	5	63	76.5	22	40	10.4	6.3	3	SNE(M)U1206AN*N	×	√	Fig1	●	
MFB245063L05A22SN12	63	5	63	76.5	22	40	10.4	6.3	3	SNE(M)U1206AN*N	×	√	Fig1	●	
MFB245080R07A27SN12	80	7	80	93.5	27	50	12.4	7	3	SNE(M)U1206AN*N	×	√	Fig1	●	
MFB245080L07A27SN12	80	7	80	93.5	27	50	12.4	7	3	SNE(M)U1206AN*N	×	√	Fig1	●	
MFB245100R08B32SN12	100	8	100	113.5	32	50	14.4	8	3	SNE(M)U1206AN*N	×	×	Fig2	●	
MFB245100L08B32SN12	100	8	100	113.5	32	50	14.4	8	3	SNE(M)U1206AN*N	×	×	Fig2	●	
MFB245125R10B40SN12	125	10	125	138.5	40	63	16.4	9	3	SNE(M)U1206AN*N	×	×	Fig2	●	
MFB245125L10B40SN12	125	10	125	138.5	40	63	16.4	9	3	SNE(M)U1206AN*N	×	×	Fig2	●	
MFB245160R12C40SN12	160	12	160	173.5	40	63	16.4	9	3	SNE(M)U1206AN*N	×	×	Fig3	●	
MFB245160L12C40SN12	160	12	160	173.5	40	63	16.4	9	3	SNE(M)U1206AN*N	×	×	Fig3	●	
MFB245200R14C60SN12	200	14	200	213.5	60	63	25.7	14	3	SNE(M)U1206AN*N	×	×	Fig3	●	
MFB245200L14C60SN12	200	14	200	213.5	60	63	25.7	14	3	SNE(M)U1206AN*N	×	×	Fig3	●	
MFB245250R16C60SN12	250	16	250	263.5	60	63	25.7	14	3	SNE(M)U1206AN*N	×	×	Fig3	○	
MFB245250L16C60SN12	250	16	250	263.5	60	63	25.7	14	3	SNE(M)U1206AN*N	×	×	Fig3	○	
MFB245315R20D60SN12	315	20	315	328.5	60	80	25.7	14	3	SNE(M)U1206AN*N	×	×	Fig4	○	
MFB245315L20D60SN12	315	20	315	328.5	60	80	25.7	14	3	SNE(M)U1206AN*N	×	×	Fig4	○	

● Stock ○ Available Upon Order

Face Milling

# MFB245

Arbor(Without Shim)



Extral Dense Pitch

Ordering Code	Dia-meter	Teeth	Dimension(mm)							APMX	Suitable for	Shim	Coolant	Shape	Stock
			DC	DCX	DCON	LF	KWW	KDP							
MFB245050R05A22SN12	50	5	50	63.5	22	40	10.4	6.3	3	SNE(M)U1206AN*N	×	√	Fig1	●	
MFB245063R06A22SN12	63	6	63	76.5	22	40	10.4	6.3	3	SNE(M)U1206AN*N	×	√	Fig1	●	
MFB245080R08A27SN12	80	8	80	93.5	27	50	12.4	7	3	SNE(M)U1206AN*N	×	√	Fig1	●	
MFB245100R10B32SN12	100	10	100	113.5	32	50	14.4	8	3	SNE(M)U1206AN*N	×	×	Fig2	●	
MFB245125R12B40SN12	125	12	125	138.5	40	63	16.4	9	3	SNE(M)U1206AN*N	×	×	Fig2	●	
MFB245160R15C40SN12	160	15	160	173.5	40	63	16.4	9	3	SNE(M)U1206AN*N	×	×	Fig3	●	
MFB245200R18C60SN12	200	18	200	213.5	60	63	25.7	14	3	SNE(M)U1206AN*N	×	×	Fig3	●	
MFB245200R20C60SN12	200	20	200	213.5	60	63	25.7	14	3	SNE(M)U1206AN*N	×	×	Fig3	●	
MFB245250R21C60SN12	250	21	250	263.5	60	63	25.7	14	3	SNE(M)U1206AN*N	×	×	Fig3	○	
MFB245315R24D60SN12	315	24	315	328.5	60	80	25.7	14	3	SNE(M)U1206AN*N	×	×	Fig4	○	

● Stock ○ Available Upon Order

## Spare Parts

Part Name		Inserts Screw	Insert Screw Wrench	
Inserts	Shape			
	Specif-ication Ordering Code	SI60M5.0X14.0-07010I	TI20P	TI20T
SNE(M)U1206	Specif-ication Ordering Code	SI60M050140-07010IB	TI20PB	TI20TB

## Recommended Cutting Data

	Workpiece	Hardness	Grade	Specification	Ap (mm)	Cutting Speed Vc(m/min)	Feed Rate/Edges fz(mm)		
							Light Cutting(L)	Medium Cutting(M)	Heavy Cutting(H)
<b>P</b>	Soft Steel	≤ HB180	GA4225 GA4230	SNE(M)U1206ANEN	1.5	250 (210-290)	0.2 (0.1-0.3)	0.25 (0.15-0.35)	0.3 (0.2-0.4)
				SNE(M)U1206ENEN	2.5				
				SNE(M)U1206ZNEN	3.5				
	Carbon Steel, Alloy Steel	HB180-350	GA4225 GA4230 GP2115	SNE(M)U1206ANEN	1.5	220 (180-260)	0.15 (0.1-0.2)	0.25 (0.15-0.35)	0.3 (0.2-0.4)
				SNE(M)U1206ENEN	2.5				
				SNE(M)U1206ZNEN	3.5				
	Pre-harden Steel	HRC35-45	GA4230 GA4225 GP2115	SNE(M)U1206ANEN	1.5	140 (100-180)	0.1 (0.05-0.15)	0.15 (0.1-0.2)	0.2 (0.1-0.3)
				SNE(M)U1206ENEN	2.5				
				SNE(M)U1206ZNEN	3.5				
<b>M</b>	Stainless (Ferrite, Martensite)	≤ HB270	GM2140 GM4135 GA4230	SNE(M)U1206ANEN	1.5	180 (140-220)	0.15 (0.1-0.2)	0.25 (0.15-0.35)	0.3 (0.2-0.4)
				SNE(M)U1206ENEN	2.5				
				SNE(M)U1206ZNEN	3.5				
	Stainless (Austenite, Diphasic)	≤ HB270	GM2140 GM4135	SNE(M)U1206ANEN	1.5	160 (120-200)	0.1 (0.05-0.15)	0.15 (0.1-0.2)	0.2 (0.1-0.3)
				SNE(M)U1206ENEN	2.5				
				SNE(M)U1206ZNEN	3.5				
<b>K</b>	Grey Cast Iron	≤ HB280	GK2115 GK4125	SNE(M)U1206ANEN	1.5	180 (140-220)	0.15 (0.1-0.2)	0.2 (0.1-0.3)	0.3 (0.2-0.4)
				SNE(M)U1206ENEN	2.5				
				SNE(M)U1206ZNEN	3.5				
	Nodular Cast Iron, Vermicular Graphite Cast Iron	≤ HB350	GK4125 GK2115	SNE(M)U1206ANEN	1.5	160 (120-200)	0.15 (0.1-0.2)	0.2 (0.1-0.3)	0.3 (0.2-0.4)
				SNE(M)U1206ENEN	2.5				
				SNE(M)U1206ZNEN	3.5				
<b>N</b>	Aluminium	HB60-210	GN9125	SNEU1206ANFN	1.5	≥ 300	0.15 (0.1-0.2)	0.2 (0.1-0.3)	--
<b>S</b>	Heat- resistant Alloy and Titanium Alloy	HRC30-45	GS4130	SNE(M)U1206ANEN	1.5	40 (30-60)	0.15 (0.1-0.2)	0.2 (0.1-0.3)	--
				SNE(M)U1206ENEN	2.5				
				SNE(M)U1206ZNEN	3.5				