



MILLING TOOLS

MAROX TOOLS INDUSTRIAL CO. LTD.



End mills

Face mills

Side mills

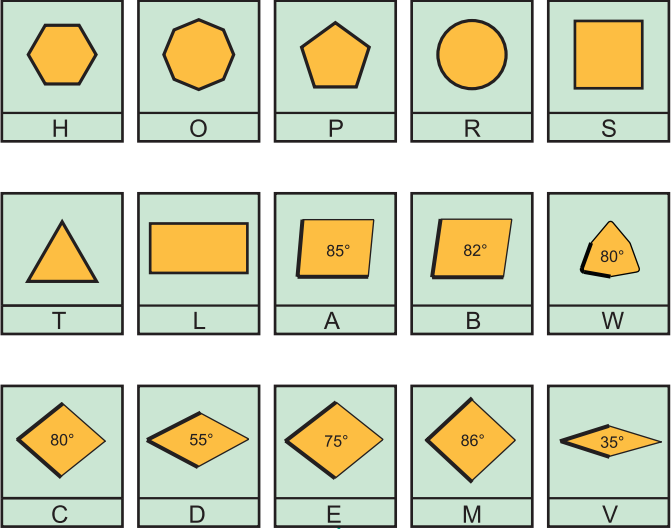
Cartridges



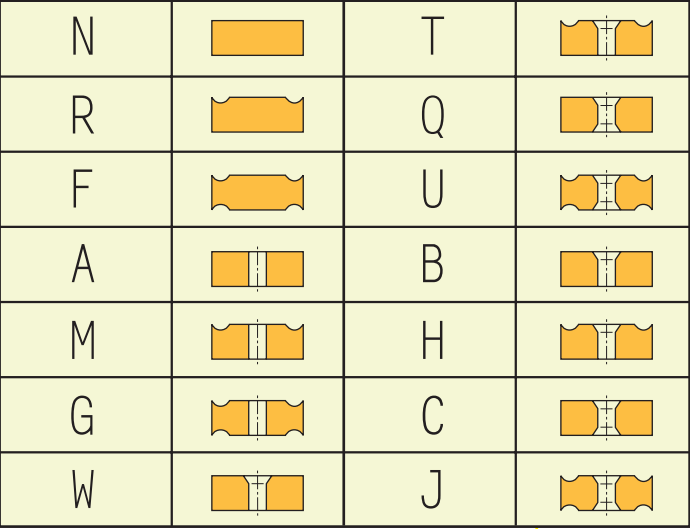


Identification System of
INSERT

1. Insert Shape 刀片形狀

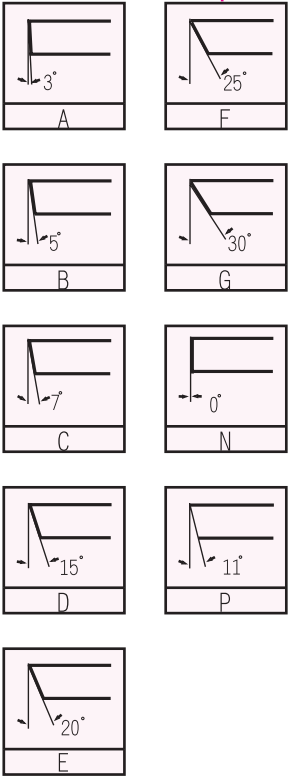


4. Insert Features 斷面形狀



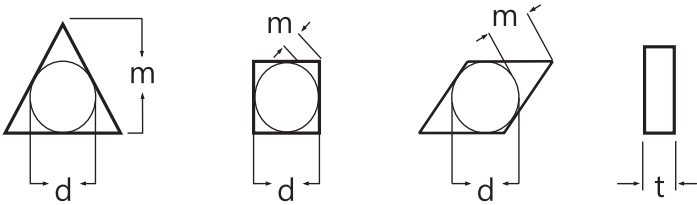
Inch Series	C	N	M	G
Metric Series	C	N	M	G
	1	2	3	4

2. Clearance angle 刀片逃隙角



3. Tolerance Class 公差

d : Diameter of Inscribed circle
m : Nose Hieght
t : Thickness



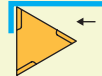
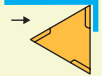
Symbol	Tolerance on "d"(mm)	Tolerance on "m"(mm)	Tolerance on "t"(mm)
C	±0.025	±0.013	±0.025
H	±0.013	±0.013	±0.025
E	±0.025	±0.025	±0.025
G	±0.025	±0.025	±0.013
M	±0.05~±0.13	±0.08~±0.20	±0.013
U	±0.08~±0.025	±0.13~±0.38	±0.013



Identification System of *INSERT*

6. Thickness 刀片厚度			
Thickness		Symbol	
inch	mm	Inch	Metric
1/32	0.79	0.5 (1)	—
1/16	1.59	1 (2)	01
5/64	1.98	1.2	T1
3/32	2.38	1.5 (3)	02
1/8	3.18	2	03
5/32	3.97	2.5	T3
3/16	4.76	3	04
7/32	5.56	3.5	05
1/4	6.35	4	06
5/16	7.94	5	07
3/8	9.52	6	09
7/16	11.11	7	11
1/2	12.70	8	12

7. Corner radius 刀尖R角			
Corner radius		Symbol	
inch	mm	Inch	Metric
0.004	0.1	0	01
0.008	0.2	0.5	02
1/64	0.4	1	04
1/32	0.8	2	08
3/64	1.2	3	12
1/16	1.6	4	16
5/64	2.0	5	20
3/32	2.4	6	24
7/64	2.8	7	28
1/8	3.2	8	32
round insert(inch)		—	00
round insert(metric)		—	M0

8. Cutting direction 方向	
	
R	L

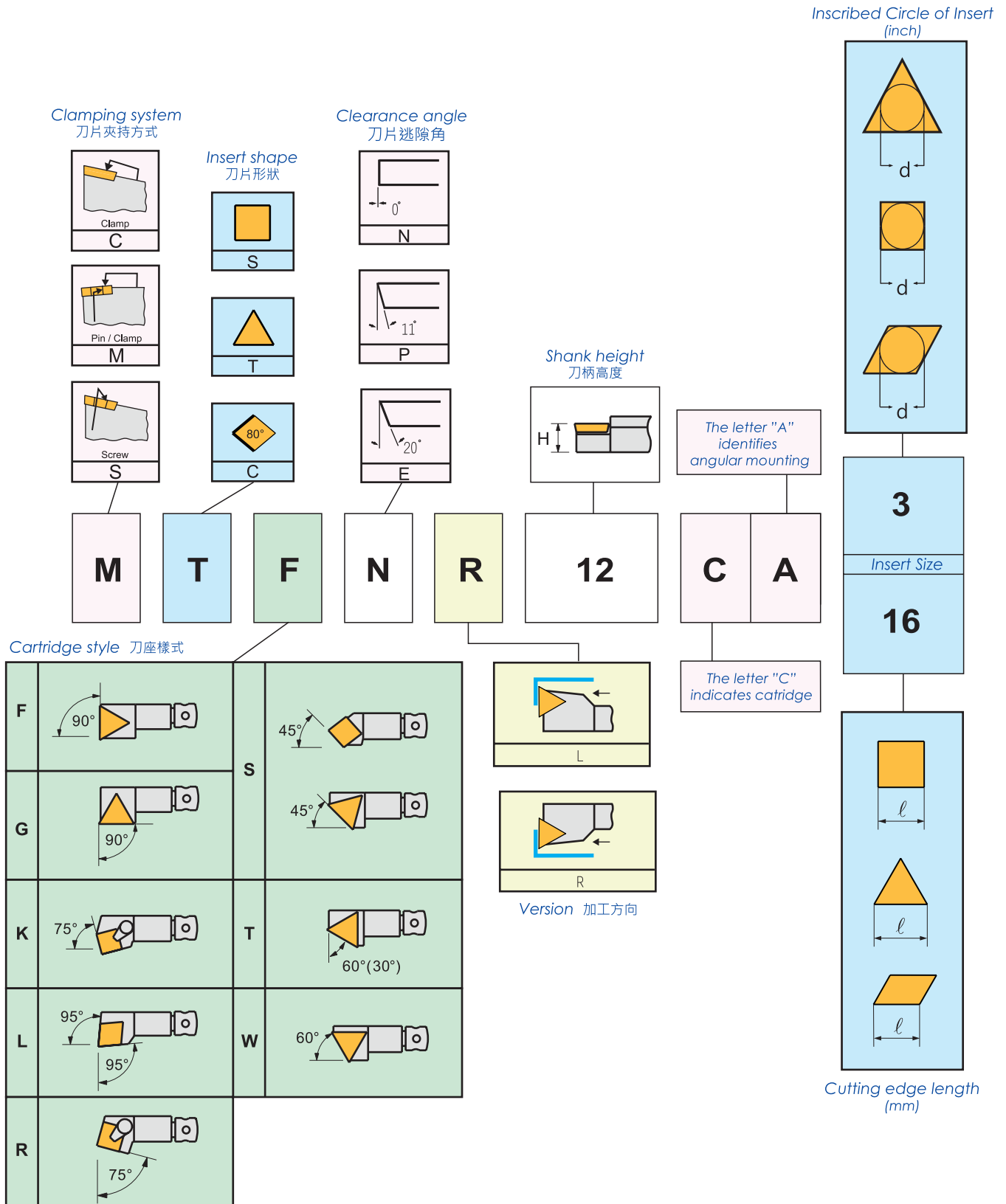
4	3	2		
12	04	08		
5	6	7	8	9

5. Edge length & Diameter of Inscribed circle 切削刃長&內接圓直徑									
Inch series	d(mm)		Metric series						
	inch	mm	C	D	R	S	T	V	W
1.2 (5)	5/32	3.97	—	04	03	03	06	—	—
1.5 (6)	3/16	4.76	04	05	04	04	08	08	—
1.8 (7)	7/32	5.56	05	06	05	05	09	09	03
—	0.236	6.00	—	—	06	—	—	—	—
2	1/4	6.35	06	07	06	06	11	11	04
2.5	5/16	7.94	08	09	07	07	13	19	05
—	0.315	8.00	—	—	08	—	—	—	—
3	3/8	9.52	09	11	09	09	16	16	06
—	0.394	10.00	—	—	10	—	—	—	—
3.5	7/16	11.11	11	13	11	11	19	19	07
—	0.472	12.00	—	—	12	—	—	—	—
4	1/2	12.70	12	15	12	12	22	22	08
4.5	9/16	14.29	14	17	14	14	24	24	09
5	5/8	15.88	16	19	15	15	27	27	10
—	0.630	16.00	—	—	16	—	—	—	—
5.5	11/16	17.46	17	21	17	17	30	30	11
6	3/4	19.05	19	23	19	19	33	33	13
—	0.787	20.00	—	—	20	—	—	—	—
7	7/8	22.22	22	27	22	22	38	38	15
—	0.984	25.00	—	—	25	—	—	—	—
8	1	25.40	25	31	25	25	44	44	17
10	1-1/4	31.75	32	38	31	31	54	54	21
—	1.260	32.00	—	—	32	—	—	—	—

9. Chip Breaker 排屑槽

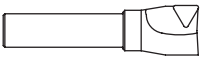
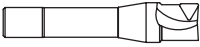
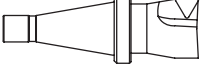
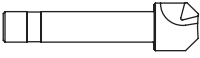
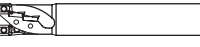
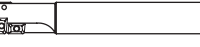
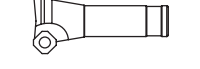
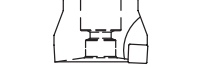


Identification System of **CARTRIDGE**



INDEX

End Mills 端銑刀 Shell End Mills 殼型銑刀

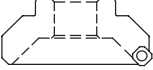
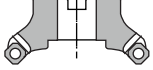
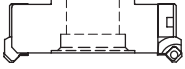
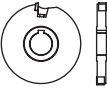
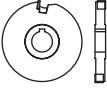
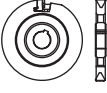
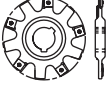
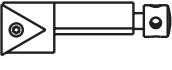
	MEOOT (TP1102, TP1103)	P1.
	MEOOT (TP1603)	P1.
	MEOOTR8	P2.
	MEOOTMT	P2.
	METOONT	P3.
	MEOOC	P3.
	E90SE09	P4.
	E90SD12	P4.
	E90AP	P5.
	EM90AP (Helical End Mills) 粗銑刀	P5.
	DM90AP (Center Cutting End Mills) 鉋銑刀	P6.
	EMOR (R End Mills) R端銑刀	P7.
	E45SE12	P8.
	ETS (T-SLOT End Mills) T型銑刀	P8.
	MSOOS	P9.

Shell End Mills 殼型銑刀 Face Mills 平面銑刀

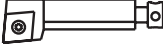
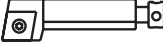
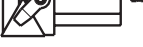
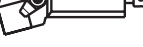
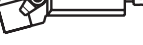
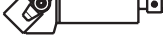
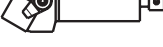
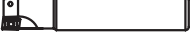
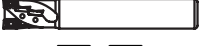
	MSOOT	P9.
	MSOOT22S	P10.
	F90SE09	P11.
	F90SD12	P11.
	MSAP	P12.
	MS5R	P13.
	MS6R	P13.
	MTP4	P14.
	MTE3	P14.
	MTE4	P15.
	SPC4	P15.
	NSP4	P16.
	SP5	P16.
	SF5	P17.
	SE445	P18.

INDEX

Side Mills 側銑刀 Cartridges 卡式刀座

	SE545.....	P19
	F45SE12.....	P20
	F45SE13.....	P20
	F-S45SE12 (ALUMINUM BODY)鋁合金本體.....	P21
	TSSP3.....	P22
	NTSSP4.....	P22
	TSSP4.....	P23
	TSTP2.....	P24
	TSTP3.....	P24
	TSSN.....	P25
	STFC 90°.....	P26
	STGC 90°.....	P26
	STSC 45°.....	P26
	STTC 30°(60°).....	P27
	STWC 60°.....	P27

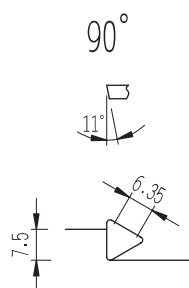
Cartridges 卡式刀座

	SCLP 95°.....	P27
	SCFP 90°.....	P28
	SCGP 90°.....	P28
	SCSP 45°.....	P28
	SCTP 60°.....	P29
	CTFP 90°.....	P29
	CTGP 90°.....	P29
	CSKP 75°.....	P30
	CSRP 75°.....	P30
	CSSP 45°.....	P30
	CSTP 60°.....	P31
	E90AX.....	P32
	EM90AX.....	P33
	EM90AX-S.....	P33
	MSAX.....	P34



END MILLS 端銑刀

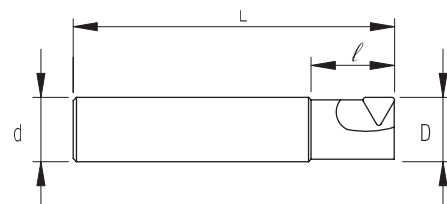
Positive
Axial Rake



For indexable inserts
TP 1102, TP 1103

ME□□T (TP1102, TP1103)

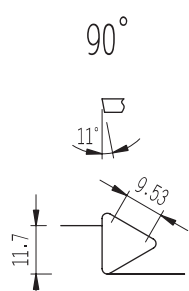
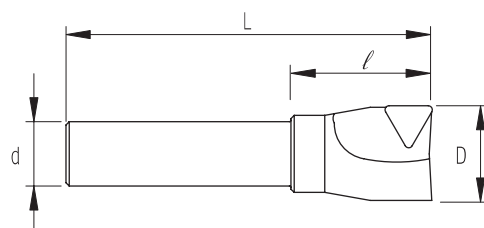
–Straight Shank
90° shoulder.



Order No.	Insert	D (mm)	L (mm)	ℓ (mm)	d (mm)	I No.
ME16T	TP 1102	16	100	26	16	1
ME18T		18	100	26	16	1
ME20T		20	100	26	20	2
ME22T		22	100	26	20	2
ME25Tx20		25	100	26	20	2
Order No.	Insert	D (mm)	L (mm)	ℓ (mm)	d (mm)	I No.
ME16TxTP1103	TP 1103	16	100	26	16	1
ME20TxTP1103		20	100	26	20	2
ME22TxTP1103		22	100	26	20	2
ME25Tx25xTP1103		25	100	26	25	2
ME30Tx25xTP1103		30	100	26	25	2
Clamp 		Screw 		Wrench 		
CP50-4		CS70-5		LW030		

ME□□T (TP1603)

–Straight Shank
90° shoulder.



For indexable inserts
TP 1603

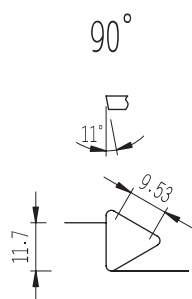
Order No.	D (mm)	L (mm)	ℓ (mm)	d (mm)	I No.
ME30Tx25	30	114	34	25	2
ME32Tx25	32	114	34	25	2
ME32Tx32	32	114	34	32	2
ME35Tx32	35	114	34	32	2
ME40Tx32	40	114	34	32	3
ME45Tx32	45	116	36	32	3
ME50Tx32	50	116	36	32	3

Clamp 	Screw 	Spring 	Wrench 
CP50-3	CS70-4	SP030	TL-25



END MILLS 端銑刀

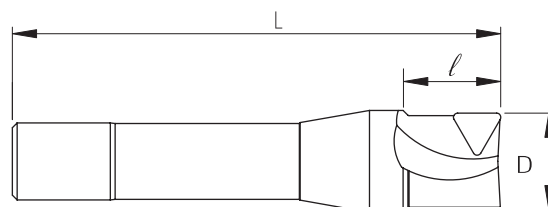
Positive
Axial Rake



For indexable inserts
TP 1603

ME□□TR8

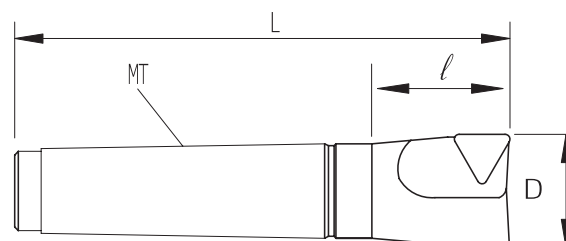
-R8-Shank(Bridgeport)
90° shoulder.



Order No.	D (mm)	L (mm)	l (mm)	Shank	I No.
ME30TR8	30	140	29	R8	2
ME32TR8	32	140	29	R8	2
ME35TR8	35	140	29	R8	2
ME40TR8	40	140	29	R8	3
ME45TR8	45	146	35	R8	3
ME50TR8	50	146	35	R8	3
ME63TR8	63	153	40	R8	4
ME75TR8	75	153	40	R8	5

ME□□TMT

-Mores Taper Shank
90° shoulder.



Drawbar thread = M12x1.75 or 1/2-12

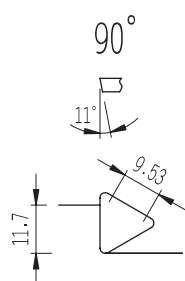
Order No.	D (mm)	L (mm)	l (mm)	MT No.	I No.
ME30TMT3	30	132	34	3	2
ME32TMT3	32	132	34	3	2
ME35TMT3	35	132	34	3	2
ME40TMT3	40	132	34	3	3
ME45TMT3	45	132	34	3	3
ME50TMT3	45	132	34	3	3
ME63TMT3	63	132	34	3	4

Clamp 	Screw 	Spring 	Wrench 
CP50-3	CS70-4	SP030	TL-25



END MILLS 端銑刀

Positive
Axial Rake



For indexable inserts
TP 1603

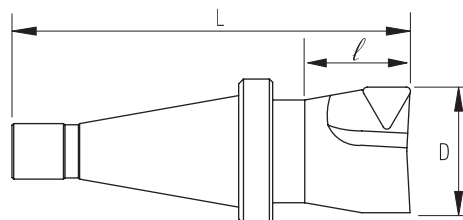
ME□□TNT

–National Taper Shank
90° shoulder.



NT30 drawbar thread = M12x1.75 or 1/2-12

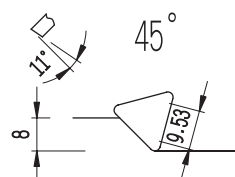
NT40 drawbar thread = M16x2.0 or 5/8-1



Order No.	D (mm)	L (mm)	ℓ (mm)	NT No.	I No.
ME35TNT30	35	124	34	30	2
ME40TNT30	40	124	34	30	3
ME45TNT30	45	124	34	30	3
ME50TNT30	50	124	34	30	3
ME63TNT30	63	124	34	30	4
ME75TNT30	75	124	34	30	5
ME50TNT40	50	149	34	40	3
ME63TNT40	63	149	34	40	4
ME75TNT40	75	149	34	40	5

Clamp 	Screw 	Spring 	Wrench 
CP50-3	CS70-4	SP030	TL-25

ME□□C



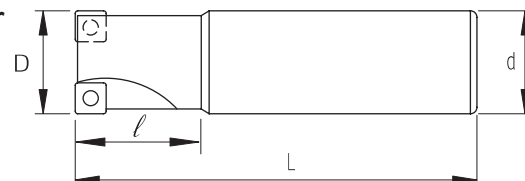
For indexable inserts
TP 1603

Order No.	D (mm)	D1 (mm)	L (mm)	d (mm)	I No.
ME05C	6	25	100	20	1
ME20C	20	40	156	25	3

Clamp 	Screw 	Wrench 
CP50-5	CS70-11	LW040

E90SE09

New generation of 90° face and shoulder
Milling cutter with screw-on inserts
Low costs per cutting edge through
Indexable insert with four edges



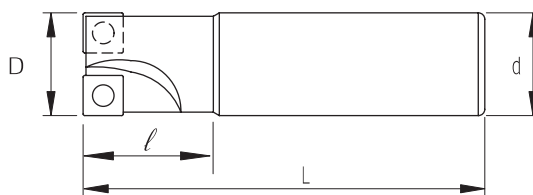
Recommended Inserts 刀片建議品牌: KYOCERA



Order No.	D (mm)	d (mm)	L(mm)	ℓ (mm)	I No.
E90SE09-D25K02	25	25	120	30	2
E90SE09-D32K03	32	32	125	35	3
E90SE09-D40K04	40	32	125	40	4
E90SE09-D50K05	50	32	125	40	5

Insert 	Screw 	Wrench 
SEMM09T3PESR	CS30070	DBIT-T10

E90SD12



Recommended Inserts 刀片建議品牌: KENNAMETAL & KYOCERA



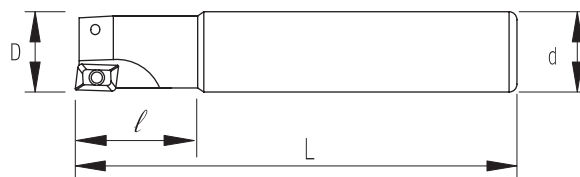
Order No.	D (mm)	d (mm)	L(mm)	ℓ (mm)	I No.
E90SD12-D32K02	32	32	125	35	2
E90SD12-D40K02	40	32	125	40	2
E90SD12-D50K03	50	32	125	40	3

Insert 	Screw 	Wrench 
SDPT1204PDEN	CS35090	DBIT-T15



END MILLS 端銑刀

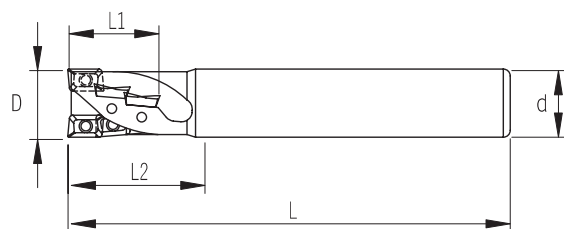
E90AP



Recommended Inserts 刀片建議品牌: SUMITOMO & NACHI

Order No.	D (mm)	L (mm)	l (mm)	d (mm)	I No.	Insert	Screw	Wrench
E90AP10-D12F01	12	80	17	12	1	APMT1035PDER 	CS25065 	DBIT-T8 
E90AP10-D16G02	16	90	25	16	2			
E90AP10-D20J02	20	110	25	20	2			
E90AP10-D25K03	25	125	30	25	3			
E90AP10-D20M02	20	150	30	20	2			
E90AP10-D25N03	25	160	30	25	3			
E90AP16-D25K02	25	125	32	25	2	APMT1605PDER 	CS35090 	DBIT-T15 
E90AP16-D32K03	32	125	40	32	3			
E90AP16-D40K04	40	125	45	32	4			
E90AP16-D50K05	50	125	45	32	5			
E90AP16-D25N02	25	160	32	25	2			
E90AP16-D32Q03	32	180	60	32	3			
E90AP16-D40R04	40	200	80	32	4			

EM90AP 粗銑刀 HELICAL END MILLS



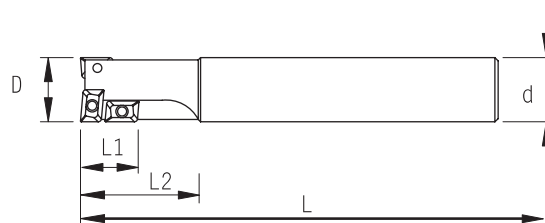
Recommended Inserts 刀片建議品牌: SUMITOMO & NACHI

Order No.	D (mm)	d (mm)	L1(mm)	L2(mm)	L(mm)	T No.	I No.	Insert	Screw	Wrench
EM90AP10-D20K06	20	20	23	35	120	2	6	APMT1035PDER 	CS25065 	DBIT-T8 
EM90AP10-D25K08	25	25	36	45	130	2	8			
EM90AP10-D32L15	32	32	44	55	140	3	15			
EM90AP10-D40M21	40	32	54	65	150	3	21			
EM90AP16-D40M12	40	42	51	65	150	3	12	APMT1605PDER 	CS35090 	DBIT-T15 
EM90AP16-D50N15	50	42	59	75	165	3	15			



CENTER CUTTING MILLS 鉗銑刀

DM90AP



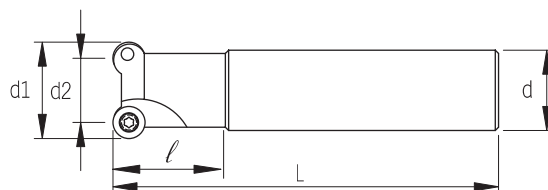
Recommended Inserts 刀片建議品牌: SUMITOMO & NACHI

Order No.	D (mm)	d (mm)	L(mm)	L1(mm)	L2(mm)	I No.	Insert	Screw	Wrench
DM90AP10-D20K03	20	20	130	16	35	3	APMT1035PDER 	CS25065	DBIT-T8 
DM90AP10-D20Q03	20	20	185	16	35	3			
DM90AP10-D21K03	21	20	130	16	35	3			
DM90AP10-D25L04	25	25	140	24	35	4			
DM90AP10-D25R04	25	25	220	24	35	4			
DM90AP10-D26L04	26	25	140	24	35	4			
DM90AP10-D30M05	30	25	150	32	50	5	APMT1605PDER 	CS35090	DBIT-T15 
DM90AP16-D32M04	32	32	150	40	50	4			
DM90AP16-D32S04	32	32	230	40	60	4			
DM90AP16-D33M04	33	32	150	40	50	4			
DM90AP16-D40N04	40	32	160	40	60	4			
DM90AP16-D40S04	40	32	240	40	60	4			



RADIUS END MILLS 端銑刀

EM□R R END MILLS



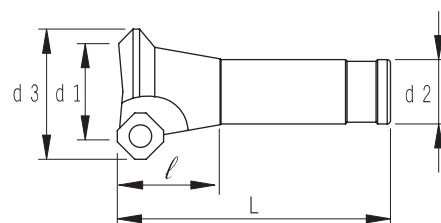
Recommended Inserts 刀片建議品牌: MITSUBISHI

Order No.	d1(mm)	d2(mm)	d(mm)	L(mm)	ℓ (mm)	I No.	Insert	Screw	Wrench
EM4R-D16K01	16	8	16	120	30	1	RPMT08T2MOE 	CS25065 	DBIT-T8 
EM4R-D16M01	16	8	16	150	30	1			
EM4R-D16R01	16	8	16	200	30	1			
EM4R-D20K02	20	12	20	120	30	2			
EM4R-D20M02	20	12	20	150	30	2			
EM4R-D20R02	20	12	20	200	30	2			
EM4R-D25K03	25	17	20	120	35	3			
EM4R-D25M03	25	17	20	150	35	3			
EM4R-D25R03	25	17	20	200	35	3			
EM5R-D25K02	25	15	25	120	40	2	RPMT10T3MOE 	CS35090 	DBIT-T15 
EM5R-D25M02	25	15	25	150	40	2			
EM5R-D25R02	25	15	25	200	40	2			
EM5R-D30K03	30	20	25	120	40	3			
EM5R-D30M03	30	20	25	150	40	3			
EM5R-D30R03	30	20	25	200	40	3			
EM5R-D35K03	35	25	32	120	40	3			
EM5R-D35M03	35	25	32	150	40	3			
EM5R-D35R03	35	25	32	200	50	3			
EM6R-D35K02	35	23	32	120	50	2	RPMT1204MOE 	CS35090 	DBIT-T15 
EM6R-D35M02	35	23	32	150	50	2			
EM6R-D35R02	35	23	32	200	50	2			
EM6R-D40K03	40	28	32	120	50	3			
EM6R-D40M03	40	28	32	150	50	3			
EM6R-D40R03	40	28	32	200	50	3			
EM6R-D50R04	50	38	32	200	50	4			



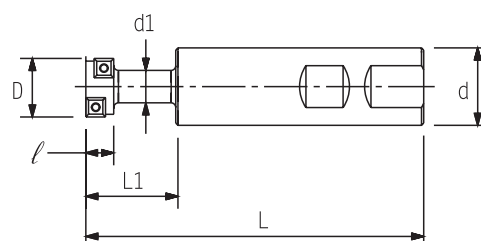
RADIUS END MILLS 端銑刀

E45SE12



Order No.	d1(mm)	d2(mm)	d3(mm)	L(mm)	ℓ (mm)	I No.	Insert	Screw	Wrench
E45SE12-D25H02	25	20	37	100	31	2	SEHW1204AFTN SEKT1204AF 	CS45090 	DBIT-T15 
E45SE12-D30H02	30	20	42	100	31	2			
E45SE12-D40J03	40	25	52	110	37	3			
E45SE12-D50K04	50	32	62	126	37	4			

ETS T型銑刀 T-SLOT END MILLS



Recommended Inserts 刀片建議品牌:KYOCERA

Order No.	D (mm)	d (mm)	d1 (mm)	ℓ(mm)	L(mm)	L1(mm)	I No.
① ETS2109-S25 ETS2511-S25	21	25	10.5	9	109	29	2
	25	25	12.5	11	112	32	4
② ETS3214-S32	32	32	15.5	14	120	38	4
③ ETS4018-S32 ETS5022-S32	40	32	20.5	18	130	50	4
	50	32	26.5	22	140	60	4

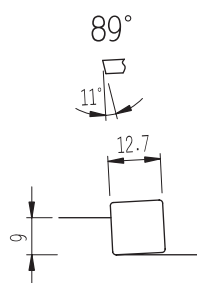
Insert 	Screw 	Wrench 
① SDMT060304E-K	CS25065	DBIT-T8
② SDMT080308E-K	CS30070A	DBIT-T10
③ SDMT120408E-K	CS40090	DBIT-T15



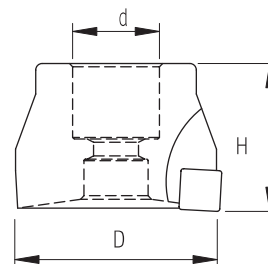
SHELL END MILLS 殼型銑刀

MS□□S

Positive
Axial Rake

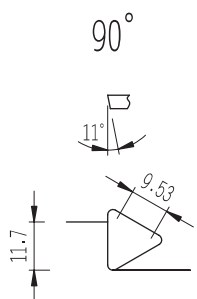


For indexable inserts
SP 1203

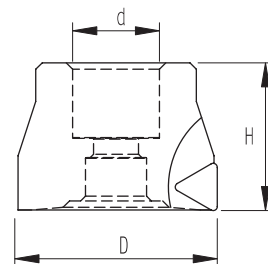


Order No.	D (mm)	H (mm)	d (mm)	d (inch)	I No.
MS50S	50	46	22	-	3
MS63S	63	46	27	1"	4
MS75S	75	46.5	27	1"	5
MS100S	100	50	32	1-1/4"	6

MS□□T



For indexable inserts
TP 1603



Order No.	D (mm)	H (mm)	d (mm)	d (inch)	I No.
MS50T	50	46	22	-	3
MS63T	63	46	27	1"	4
MS75T	75	46.5	27	1"	5
MS100T	100	50	32	1-1/4"	6

Clamp 	Screw 	Spring 	Wrench 
CP50-3	CS70-4	SP030	TL-25

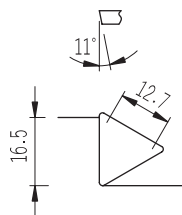


SHELL END MILLS 殼型銑刀

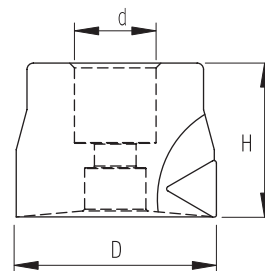
MS□□T22S

Positive
Axial Rake

90°



For indexable inserts
TP 2204



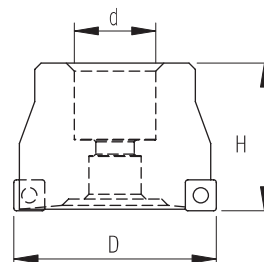
Order No.	D (mm)	H (mm)	d (mm)	d (inch)	I No.
MS63T22S	63	50	22	1"	3
MS80T22S	80	50	27	1"	4
MS100T22S	100	50	32	1-1/4"	5
MS125T22S	125	61	40	1-1/4"	6

Shim 	Shim Screw 	Clamp 	Clamp Screw 	Wrench 
SMT-42	CS-F4090	CP50-10	CS6-8026	LW060



SHELL END MILLS 殼型銑刀

F90SE09



New generation of
90° face and shoulder

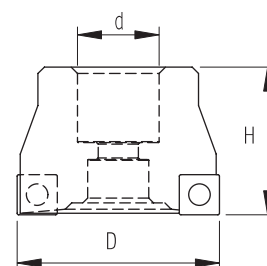
Milling cutter with
screw-on inserts Low
costs per cutting edge
through Indexable
insert with four edges

Recommended Inserts 刀片建議品牌: KYOCERA

Order No.	D (mm)	H (mm)	d (mm)	d (inch)	I No.
F90SE09-D40A03R	40	40	16	-	3
F90SE09-D50A04R	50	46	22	-	4
F90SE09-D63A05R	63	46	22	1"	5
F90SE09-D80B06R	80	50	27	1"	6
F90SE09-D100B08R	100	50	32	1-1/4"	8
F90SE09-D125B10R	125	55	40	1-1/2"	10

Insert	Screw	Wrench
SEMM09T3PESR	CS30070	DBIT-T10

F90SD12



Recommended Inserts 刀片建議品牌: KENNAMETAL & KYOCERA

Order No.	Shim	Shim Screw	D (mm)	H (mm)	d (mm)	d (inch)	I No.
F90SD12-D050A03R	-	-	50	40	22	-	3
F90SD12-D063A04R	-	-	63	46	22	1"	4
F90SD12-D080B05R	SMS321	SN535	80	50	27	1"	5
F90SD12-D100B06R			100	50	32	1-1/4"	6
F90SD12-D125B07R			125	61	40	1-1/2"	7

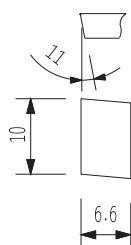
Insert	Screw	Wrench
SDMT1204PDEN	CS35110	DBIT-T15



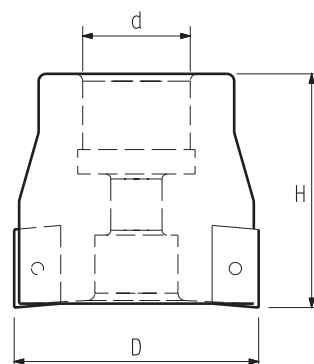
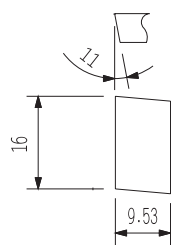
SHELL END MILLS 殼型銑刀

MSAP

For indexable inserts
APMT1035



For indexable inserts
APMT1605



Recommended Inserts 刀片建議品牌: SUMITOMO & NACHI

Order No.	D (mm)	H (mm)	d (mm)	d (inch)	I No.
MSAP10-D040A06R	40	40	16	-	6
MSAP10-D050A07R	50	40	22	-	7
MSAP10-D063A09R	63	46	22	1"	9

Insert	Screw	Wrench
APMT 1035PDER	CS25065	DBIT-T8

Order No.	D (mm)	H (mm)	d (mm)	d (inch)	I No.
MSAP16-D050A05R	50	40	22	-	5
MSAP16-D063A06R	63	46	22	1"	6
MSAP16-D080B08R	80	46	27	1"	8
MSAP16-D100B10R	100	50	32	1 1/4"	10

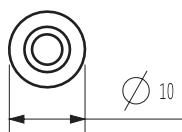
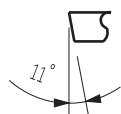
Insert	Screw	Wrench
APMT 1605PDER	CS35090	DBIT-T15



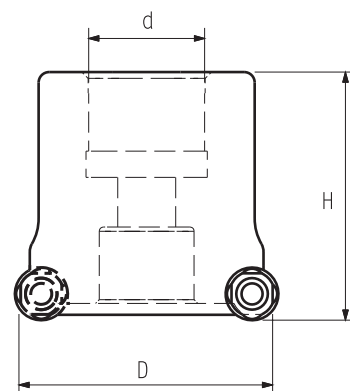
SHELL END MILLS 殼型銑刀

MS5R

RPMT
10T3MOE



For indexable inserts



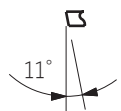
Recommended Inserts 刀片建議品牌: MITSUBISHI

Order No.	D (mm)	H (mm)	d (mm)	I No.
MS5R-050A04R	50	46	22	4
MS5R-063A05R	63	46	22	5
MS5R-080B06R	80	50	27	6
MS5R-100B07R	100	50	32	7

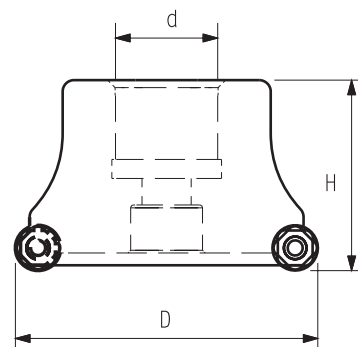
Insert	Screw	Wrench
RPMT10T3MOE RPMW10T3MOE 	CS35090 	DBIT-T15 

MS6R

RPMT
1204MOE



For indexable inserts



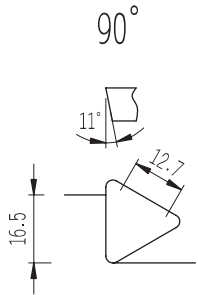
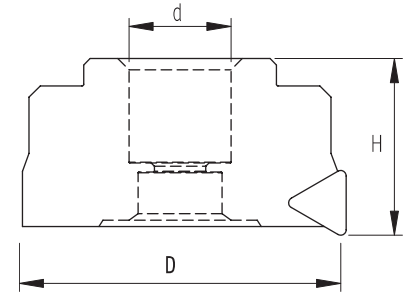
Recommended Inserts 刀片建議品牌: MITSUBISHI

Order No.	D (mm)	H (mm)	d (mm)	I No.
MS6R-050A04R	50	46	22	4
MS6R-063A05R	63	50	22	5
MS6R-080B06R	80	50	27	6
MS6R-100B07R	100	50	32	7
MS6R-125B08R	125	50	40	8

Insert	Screw	Wrench
RPMT1204MOE RPMW1204MOE 	CS35090 	DBIT-T15 

MTP4

Positive
Axial Rake
Radial Rake



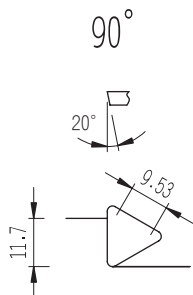
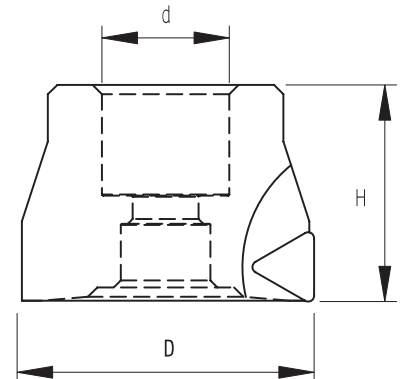
For indexable inserts
TP 2204

Order No.	D (mm)	H (mm)	d (mm)	d (inch)	I No.
MTP4080R	80	50	27	1"	5
MTP4100R	100	55	32	1-1/4"	6
MTP4125R	125	55	40	1-1/2"	8
MTP4160R	160	60	40	2"	10
MTP4200R	200	60	60	1-7/8"	14
MTP4250R	250	65	60	1-7/8"	16
MTP4315R	305	65	60	1-7/8"	18
MTP4360R	354	65	60	1-7/8"	20

Locator	Insert Clamp	Clamp Screw	Locator Screw	Washer	Wrench
MTP4080R	CP50-7	CS70-1	CS70-2	CS70-3	TW040

MTE3

Negative
Axial Rake
Radial Rake



For indexable inserts
TE 1603

Order No.	D (mm)	H (mm)	d (mm)	d (inch)	I No.
MTE3050R	50	46	22	-	3
MTE3063R	63	46	27	1"	4
MTE3080R	80	46.5	27	1"	5
MTE3100R	100	50	32	1-1/4"	6

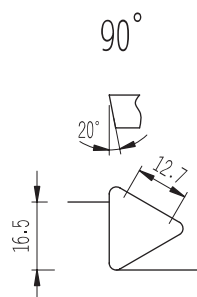
Clamp	Clamp Screw	Clamp Spring	Shim	Shim Screw	Wrench
CP50-3	CS70-4	SP030	SMT32E	CS6-3006	TL-25



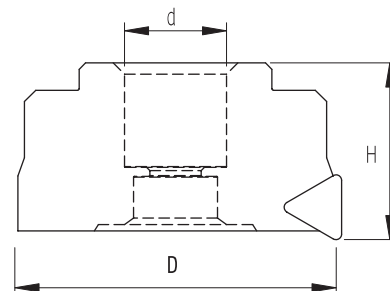
FACE MILLS 平面銑刀

MTE4

Positive
Axial Rake
Radial Rake



For indexable inserts
TE 2204

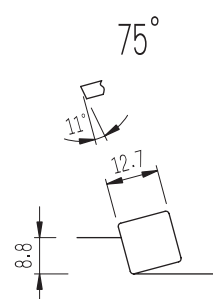


Order No.	D (mm)	H (mm)	d (mm)	d (inch)	I No.
MTE4080R	80	50	27	1"	4
MTE4100R	100	55	32	1-1/4"	5
MTE4125R	125	55	40	1-1/2"	6
MTE4160R	160	60	40	2"	8
MTE4200R	200	60	60	1-7/8"	12

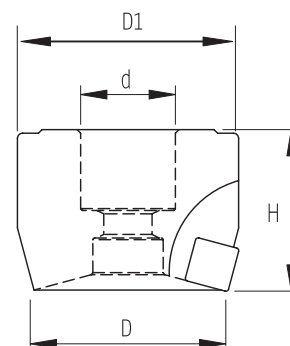
Locator	Insert Clamp	Clamp Screw	Locator Screw	Washer	Wrench
MTEL60-16 	CP50-7 	CS70-1 	CS70-2L 	CS70-3 	TW040 

SPC4

Positive
Axial Rake



For indexable inserts
SP 1203



Order No.	D (mm)	D1 (mm)	H (mm)	d (mm)	d (inch)	I No.
SPC4050	50	57.6	46	22	-	3
SPC4063	63	70.6	46	27	1"	4
SPC4075	75	82.6	46	27	1"	5

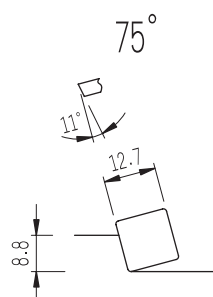
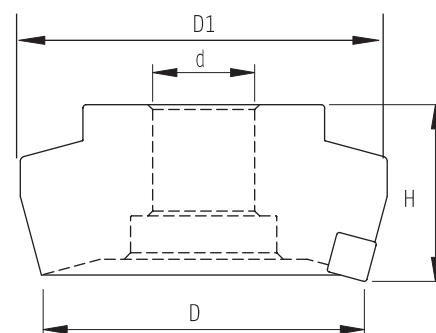
Clamp 	Screw 	Spring 	Wrench 
CP50-3	CS70-4	SP030	TL-25



FACE MILLS 平面銑刀

NSP4

Negative
Axial Rake
Radial Rake



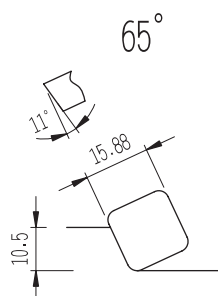
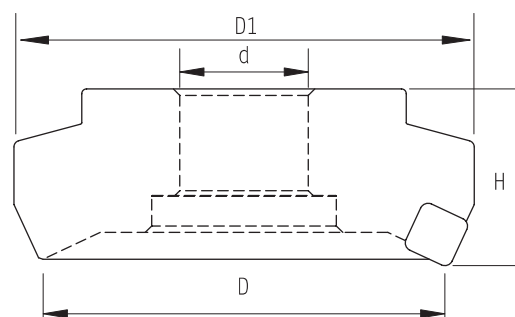
For indexable inserts
SP 1203

Order No.	D (mm)	D1 (mm)	H (mm)	d (mm)	d (inch)	I No.
NSP4080R	80	93	46	27	1"	5
NSP4100R	100	109	51	32	1-1/4"	6
NSP4125R	125	138	55	40	1-1/2"	8
NSP4160R	160	169	57	40	2"	10
NSP4200R	200	215	57	60	1-7/8"	14
NSP4250R	250	263	57	60	1-7/8"	16
NSP4315R	309	318	62	60	1-7/8"	18
NSP4360R	360	369	62	60	1-7/8"	20

Locator	Insert Clamp	Clamp Screw	Locator Screw	Washer	Wrench
NSPL60-17	CP50-7	CS70-1	CS70-2L	CS70-3	TW040

SP5

Positive
Axial Rake
Radial Rake



For indexable inserts
SP 1504

Order No.	D (mm)	D1 (mm)	H (mm)	d (mm)	d (inch)	I No.
SP5080R	80	98	50	27	1"	4
SP5100R	100	118	55	32	1-1/4"	5
SP5125R	125	143	55	40	1-1/2"	6
SP5160R	160	178	60	40	2"	8
SP5200R	200	218	60	60	1-7/8"	10
SP5250R	250	268	60	60	1-7/8"	12
SP5315R	315	328	60	60	1-7/8"	14
SP5360R	360	378	65	60	1-7/8"	16

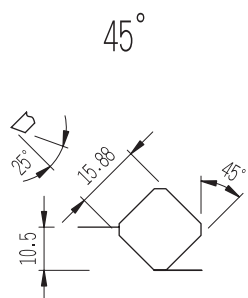
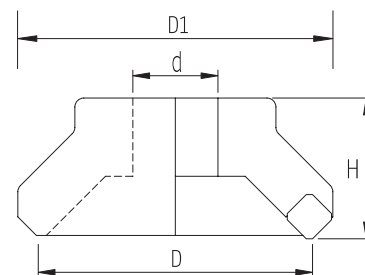
Locator	Insert Clamp	Clamp Screw	Locator Screw	Washer	Wrench
SPL60-5	CP50-7	CS70-1	CS70-2S	CS70-3	TW040



FACE MILLS 平面銑刀

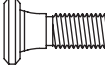
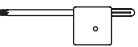
SF5

Positive
Axial Rake
Radial Rake



For indexable inserts
SF 1504

Order No.	D (mm)	D1 (mm)	H (mm)	d (mm)	d (inch)	I No.
SF5063R/L	63	81	50	22	1"	4
SF5080R/L	80	95	50	27	1"	5
SF5100R/L	100	116	50	32	1-1/4"	6
SF5125R/L	125	141	63	40	1-1/2"	7
SF5160R/L	160	176	65	40	2"	7

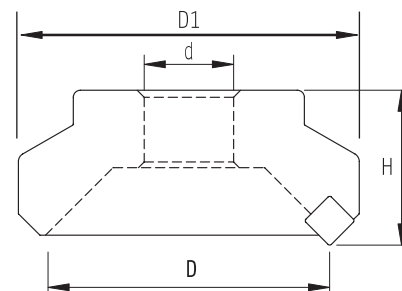
Shim	Shim Screw	Locking Screw (R)	Locking Screw (L)	Wrench
SMS-53 	CS-F4090 	CS6-0823L 	CS6-0823R	FT -7  TW040 



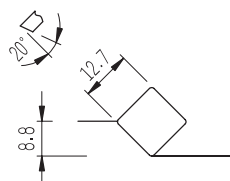
FACE MILLS 平面铣刀

SE445

Negative
Axial Rake
Radial Rake



45°



For indexable inserts
SE 1203

Order No.	D (mm)	D1 (mm)	H (mm)	d (mm)	d (inch)	I No.
SE445 R/L 6304	63	83	50	27	1"	4
SE445 R/L 0304	80	98	50	27	1"	4
SE445 R/L 0405	100	120	55	32	1-1/4"	5
SE445 R/L 0506	125	148	55	40	1-1/2"	6
SE445 R/L 0608	160	180	60	40	2"	8
SE445 R/L 0810	200	220	60	60	1-7/8"	10
SE445 R/L 1012	250	274	63	60	1-7/8"	12
SE445 R/L 1214	305	325	63	60	1-7/8"	14
SE445 R/L 1416	356	376	63	60	1-7/8"	16
SE445 R/L 0306	80	98	50	27	1"	6
SE445 R/L 0407	100	120	55	32	1-1/4"	7
SE445 R/L 0509	125	148	55	40	1-1/2"	9
SE445 R/L 0611	160	180	60	40	2"	11
SE445 R/L 0814	200	220	60	60	1-7/8"	14
SE445 R/L 1018	250	274	63	60	1-7/8"	18
SE445 R/L 1222	305	325	63	60	1-7/8"	22
SE445 R/L 1426	356	376	63	60	1-7/8"	26

Locator	Insert Clamp	Clamp Screw	Locator Screw	Washer	Wrench
SEL60-11  (R)	CP50-7  (R)	CS70-1 	CS70-2S 	CS70-3 	TW040 
SEL60-11L (L)	CP50-7L (L)				

Order No.	D (mm)	D1 (mm)	H (mm)	d (mm)	d (inch)	INo
SE445R 5004S	50	60	40	22	-	4

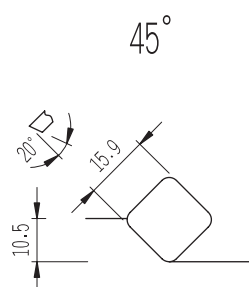
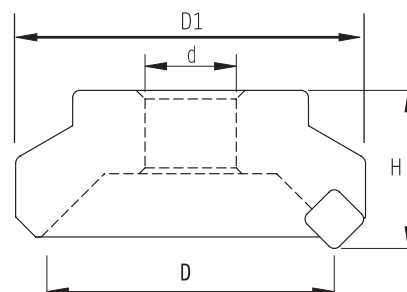
Shim 	Shim Screw 	Insert Clamp 	Clamp Screw 	Wrench 
SMS-42	CS-F4009	CP50-7	CS70-1	TW040



FACE MILLS 平面銑刀

SE545

Negative
Axial Rake
Radial Rake



For indexable inserts
SE 1504

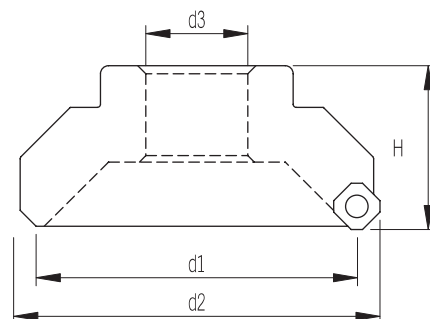
Order No.	D (mm)	D1 (mm)	H (mm)	d (mm)	d (inch)	I No.
SE545R0304	80	98	50	27	1"	4
SE545R0405	100	120	55	32	1-1/4"	5
SE545R0506	125	148	55	40	1-1/2"	6
SE545R0608	160	180	60	40	2"	8
SE545R0810	200	220	60	60	1-7/8"	10
SE545R1012	250	274	65	60	1-7/8"	12
SE545R1214	305	325	65	60	1-7/8"	14
SE545R1416	356	376	65	60	1-7/8"	16
SE545R0407	100	120	55	32	1-1/4"	7
SE545R0509	125	148	55	40	1-1/2"	9
SE545R0611	160	180	60	40	2"	11
SE545R0814	200	220	60	60	1-7/8"	14
SE545R1018	250	274	65	60	1-7/8"	18
SE545R1222	305	325	65	60	1-7/8"	22
SE545R1426	356	376	65	60	1-7/8"	26

Locator	Insert Clamp	Clamp Screw	Locator Screw	Washer	Wrench
SEL60-10	CP50-7	CS70-1	CS70-2S	CS70-3	TW040



FACE MILLS 平面銑刀

F45SE12



Order No.	d1 (mm)	H (mm)	d2 (mm)	d3 (mm)	d3 (inch)	I No.
F45SE12-D050A04R	50	40	60	22	-	4
F45SE12-D063A05R	63	50	81	22	1"	5
F45SE12-D080B06R	80	50	95	27	1"	6
F45SE12-D100B06R	100	50	116	32	1-1/4"	6
F45SE12-D125B07R	125	63	141	40	1-1/2"	7
F45SE12-D160C10R	160	63	176	40	2"	10

Insert	Screw	Wrench
SEHW1204AFTN SEKT1204AF	CS45110	DBIT-T15

F45SE13 *NEW*



Fig 1

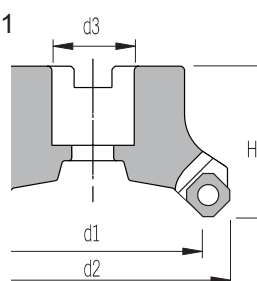
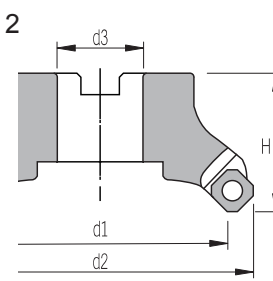


Fig 2



Recommended Inserts 刀片建議品牌：SUMITOMO & MITSUBISHI & KENAMETAL

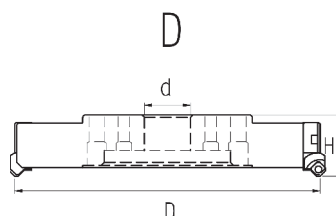
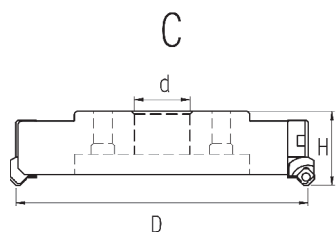
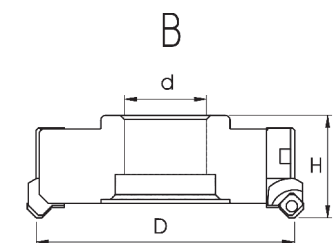
Order No.	d1(mm)	H(mm)	d2(mm)	d3(mm)	d3(mm)	I No.
F45SE13-D040A03R	40	40	53	16	-	3
F45SE13-D050A03R	50	40	63	22	-	3
F45SE13-D063A04R	63	50	76	22	1"	4
F45SE13-D080B04R	80	50	93	27	1"	4
F45SE13-D100B05R	100	50	113	32	1-1/4"	5
F45SE13-D125B06R	125	63	138	40	1-1/2"	6
F45SE13-D160B07R	160	63	173	40	2"	7
F45SE13-D200C08R	200	63	213	60	1-7/8"	8

Insert	Insert Screw	Wrench	Shim	Shim Screw	Wrench
SEET13T3/SEMT13T3	CS35115	DBIT-T15/DBIT-T15L	SME-42	SN5356	LW035



FACE MILLS 平面銑刀(鋁合金本體)

FACE MILL INTERCHANGEABLE CASSETTES
HIGH-STRENGTH ALUMINIUM BODY FOR EASY
AND PRECISE ADJUSTMENT.



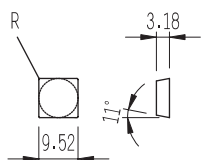
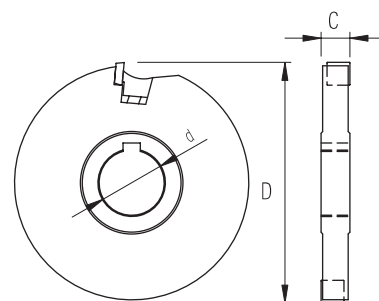
Order No.	D (mm)	H (mm)	d (mm)	d (inch)	I No.
F160B08R -S45SE12 -S75SP12 -S90AP16 -SMORP12	160	65	40	2"	8
F200C10R -S45SE12 -S75SP12 -S90AP16 -SMORP12	200	65	60	1-7/8"	10
F250C14R -S45SE12 -S75SP12 -S90AP16 -SMORP12	250	65	60	1-7/8"	14
F315D16R -S45SE12 -S75SP12 -S90AP16 -SMORP12	315	73	60	1-7/8"	16
F360D18R -S45SE12 -S75SP12 -S90AP16 -SMORP12	360	73	60	1-7/8"	18

Cassettes				
	S45SE12	S75SP12	S90AP16	SMORP12
Insert	SEHW1204	SPKN1203	APMT1605	RPCW1204
	SEKT1204	SPKR1203		RPMT1204

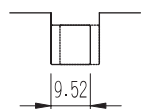
PARTS	Clamping Screw	Insert Clamping Screw	Micro Adjusting Pin	Cassettes Clamp	Locking Screw	Insert Wrench	Wrench
	CS70-12	CS4511	AP-01	CP50-9	CS70-6	DBIT-T15	LW050

TSSP3

- ◎ Machine steel. Cast iron. Non-ferrous application.
- ◎ General purpose cutter.
- ◎ Can be used as double side mills.
- ◎ Can be adjustable for -0.2mm to +0.8mm



+ 0.8
- 0.2

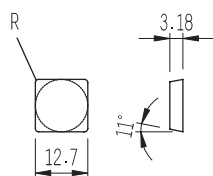
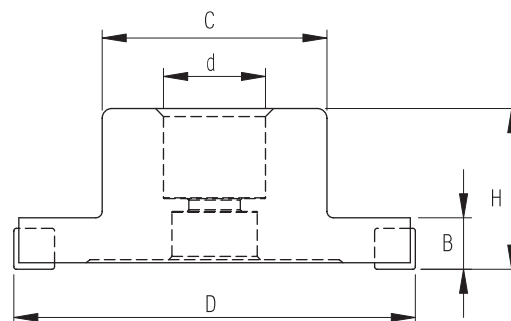


For indexable inserts
SP 0903

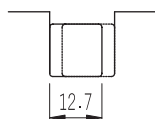
Order No.	D (mm)	C (mm)	d (mm)	d (inch)	I No.
TSSP308010	80	10	27	1"	6
TSSP308012	80	12	27	1"	6
TSSP310010	100	10	27	1"	8
TSSP310012	100	12	27	1"	8
TSSP313012	130	12	32	1-1/4"	12
TSSP316012	160	12	32	1-1/4"	16

Insert Clamp	Locking Screw	Clamp Screw	Little Screw	Wrench
CP50-6	CS70-6	CS70-8	CS70-10	LW020,LW025,LW030

NTSSP4



+ 1.2
- 0.2



For indexable inserts
SP 1203

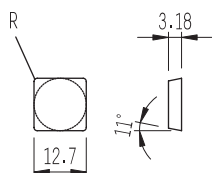
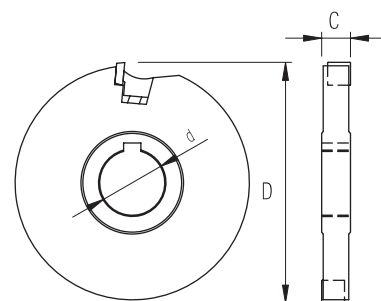
Order No.	D (mm)	B (mm)	H (mm)	C (mm)	d (mm)	d (inch)	I No.
NTSSP410016	100	16	50	48	27	1"	8
NTSSP412518	125	18	50	70	32	1-1/4"	12
NTSSP416018	160	18	50	70	32	1-1/4"	16
NTSSP416020	160	20	50	70	32	1-1/4"	16
NTSSP417518	175	18	50	70	40	1-1/2"	18
NTSSP417520	175	20	50	70	40	1-1/2"	18
NTSSP420020	200	20	50	90	40	1-1/2"	20
NTSSP420022	200	22	50	90	40	1-1/2"	20

Insert Clamp	Locking Screw	Clamp Screw	Little Screw	Wrench
CP50-9	CS70-6	CS70-7	CS70-9	LW020,LW025,LW030

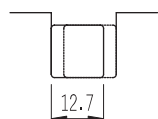
TSSP4

Positive

- ◎ Machine steel. Cast iron. Non-ferrous application.
- ◎ General purpose cutter.
- ◎ Can be used as double side mills.
- ◎ Can be adjustable for -0.2mm to +1.2mm



+ 1.2
- 0.2



For indexable inserts
SP 1203

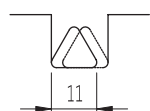
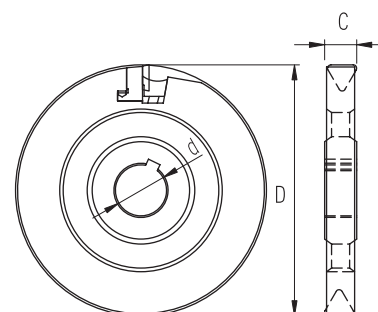
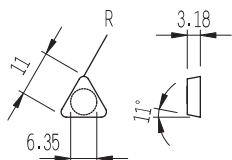


Order No.	D (mm)	C (mm)	d (mm)	d (inch)	I No.
TSSP410016	100	16	27	1"	8
TSSP410018	100	18	27	1"	8
TSSP412516	125	16	32	1-1/4"	12
TSSP412518	125	18	32	1-1/4"	12
TSSP412520	125	20	32	1-1/4"	12
TSSP416016	160	16	32	1-1/4"	16
TSSP416018	160	18	32	1-1/4"	16
TSSP416020	160	20	32	1-1/4"	16
TSSP417516	175	16	40	1-1/2"	18
TSSP417518	175	18	40	1-1/2"	18
TSSP417520	175	20	40	1-1/2"	18
TSSP420016	200	16	40	1-1/2"	20
TSSP420018	200	18	40	1-1/2"	20
TSSP420020	200	20	40	1-1/2"	20
TSSP425016	250	16	50	2"	24
TSSP425018	250	18	50	2"	24
TSSP425020	250	20	50	2"	24



SIDE MILLS 側銑刀

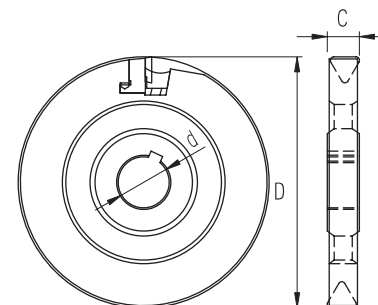
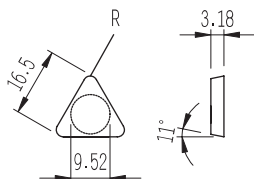
TSTP2



For indexable inserts
TPAN1103PPN

Order No.	D (mm)	C (mm)	d (mm)	d (inch)	I No.
TSTP208012	80	12	27	1"	6
TSTP210012	100	12	27	1"	8
TSTP212512	125	12	32	1-1/4"	10
TSTP216012	160	12	32	1-1/4"	12

TSTP3



For indexable inserts
TPAN1603PPN

Order No.	D (mm)	C (mm)	d (mm)	d (inch)	I No.
TSTP310016	100	16	27	1"	6
TSTP310018	100	18	27	1"	6
TSTP312516	125	16	32	1-1/4"	8
TSTP312518	125	18	32	1-1/4"	8
TSTP312520	125	20	32	1-1/4"	8
TSTP316016	160	16	32	1-1/4"	10
TSTP316018	160	18	32	1-1/4"	10
TSTP316020	160	20	32	1-1/4"	10
TSTP320018	200	18	40	1-1/2"	12
TSTP320020	200	20	40	1-1/2"	12
TSTP325018	250	18	50	2"	16
TSTP325020	250	20	50	2"	16

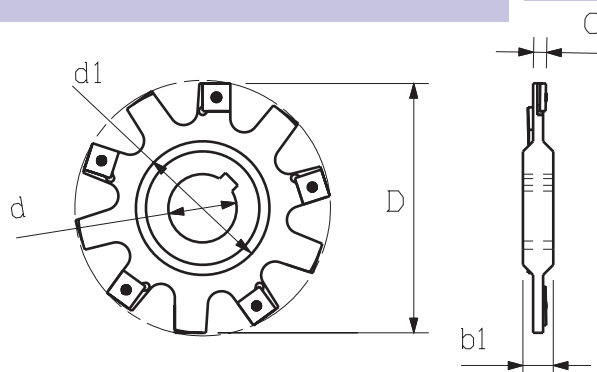
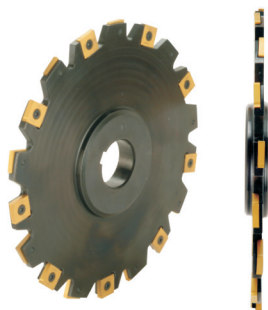
Insert		Locator(R) Locator (L)		Locator Screw	Clamp	Clamp Screw	Wrench
TSTP2	TPAN1103PPN	TSL60-12	TSL60-13	CS9-3003,CS9-3006	CP50-6	CS70-6	LW030,LW020
TSTP3	TPAN1603PPN	TSL60-14	TSL60-15	CS9-4004,CS9-4012	CP50-9	CS70-6	LW030,LW020



SIDE MILLS

側銑刀

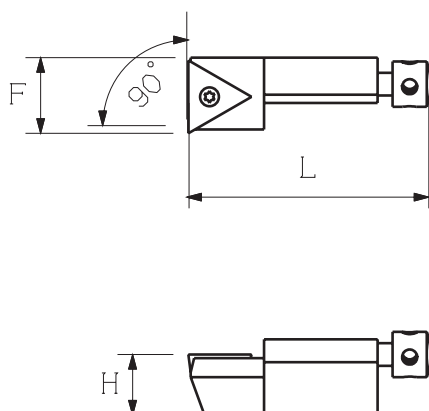
TSSN



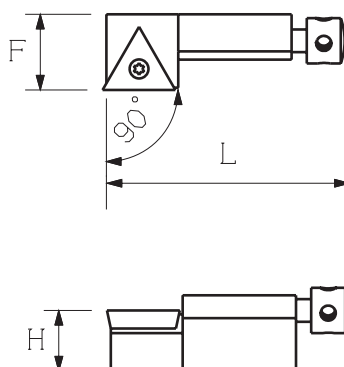
Type	Insert	D (mm)	b1 (mm)	C (mm)	d1 (mm)	d (mm)	d (inch)	I No.
TSSN11020-08004	SNHX1102	80	12	4	44	27	1"	10
TSSN11020-10004		100	12	4	45	27	1"	12
TSSN11020-12504		125	12	4	58	40	1-1/2"	14
TSSN11020-16004		160	12	4	68	40	1-1/2"	18
TSSN11030-08005	SNHX1103	80	12	5	44	27	1"	10
TSSN11030-10005		100	12	5	45	27	1"	12
TSSN11030-12505		125	12	5	58	40	1-1/2"	14
TSSN11030-16005		160	12	5	68	40	1-1/2"	18
TSSN12030-10006	SNHX1203	100	12	6	45	27	1"	10
TSSN12030-12506		125	12	6	58	40	1-1/2"	12
TSSN12030-16006		160	12	6	68	40	1-1/2"	16
TSSN12030-20006		200	12	6	72	50	2"	18
TSSN12040-10007	SNHX1204	100	12	7	45	27	1"	10
TSSN12040-12507		125	12	7	58	40	1-1/2"	12
TSSN12040-16007		160	12	7	68	40	1-1/2"	16
TSSN12040-20007		200	12	7	72	50	2"	18
TSSN12050-10010	SNHX1205	100	12	10	45	27	1"	10
TSSN12050-12510		125	12	10	58	40	1-1/2"	12
TSSN12050-16010		160	12	10	68	40	1-1/2"	16
TSSN12050-20010		200	12	10	72	50	2"	18

Insert	T (厚)	Clamping Screw	Wrench
SNHX1102	2.3	CS30035	DBIT-T7
SNHX1103	2.7	CS30042	
SNHX11032	3.2	CS30042	
SNHX1203	3.2	CS40051	DBIT-T15
SNHX1204	4.0	CS40059	
SNHX12045	4.5	CS40069	
SNHX1205	5.4	CS40079	
SNHX1207	7.0	CS40105	

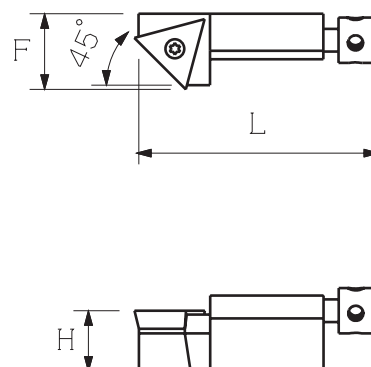
STFC 90°



STGC 90°



STSC 45°



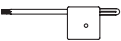
STFC 90°

Order No.	Insert	Dimensions			Parts	Wrench
		F	L	H		
STFCR06CA-06	TCMT0602	08	25	06	CS20040	FT-6
STFCR08CA-09	TCMT0902	11	32	08	CS22050	FT-7
STFCR08CA-11	TCMT1102	11	32	08	CS25065	FT-8
STFCR10CA-11	TCMT1102	14	50	10	CS25065	FT-8
STFCR12CA-16	TCMT16T3	20	55	12	CS35090	FT-15

STGC 90°

Order No.	Insert	Dimensions			Parts	Wrench
		F	L	H		
STGCR08CA-09	TCMT0902	10	32	08	CS22050	FT-7
STGCR10CA-11	TCMT1102	14	50	10	CS25065	FT-8
STGCR12CA-16	TCMT16T3	20	55	12	CS35090	FT-15

STSC 45°

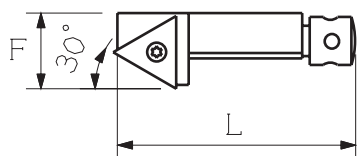
Order No.	Insert	Dimensions			Parts	Wrench
		F	L	H		
STSCR08CA-09	TCMT0902	10	26	08	CS22050	FT-7
STSCR10CA-11	TCMT1102	14	44	10	CS25065	FT-8
STSCR12CA-16	TCMT16T3	20	47	12	CS35090	FT-15



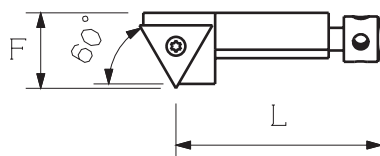
CARTRIDGES 卡式刀座

ISO

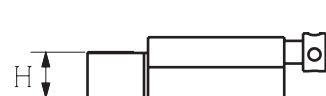
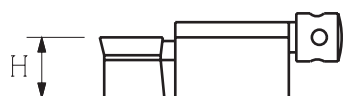
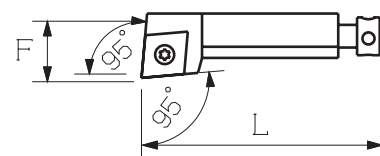
STTC 30°(60°)



STWC 60°



SCLP 95°



STTC 30°(60°)

Order No.	Insert	Dimensions			Parts	Wrench
		F	L	H		
STTCR08CA-09	TCMT0902	10	32	08	CS22050	FT-7
STTCR08CA-11	TCMT1102	10	32	08	CS25065	FT-8
STTCR10CA-11	TCMT1102	14	50	10	CS25065	FT-8
STTCR12CA-16	TCMT16T3	20	55	12	CS35090	FT-15

STWC 60°

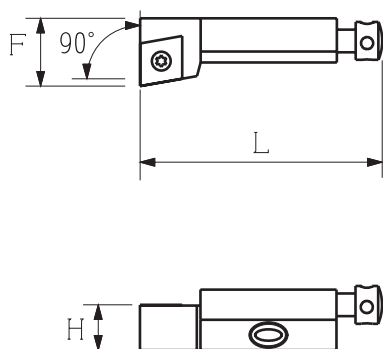
Order No.	Insert	Dimensions			Parts	Wrench
		F	L	H		
STWCR08CA-09	TCMT0902	10	28	08	CS22050	FT-7
STWCR10CA-11	TCMT1102	14	44	10	CS25065	FT-8
STWCR12CA-16	TCMT16T3	20	47	12	CS35090	FT-15

SCLP 95°

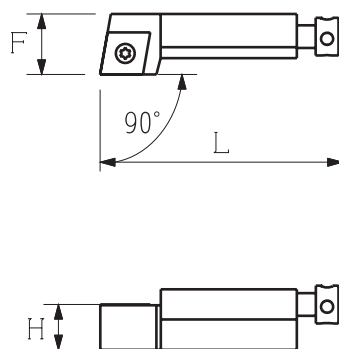
Order No.	Insert	Dimensions			Parts	Wrench
		F	L	H		
SCLPR06CA-05	CPMT0502	08	25	06	CS20040	FT-6
SCLPR08CA-06	CPMT0602	10	32	08	CS25060	FT-7
SCLPR10CA-09	CPMT0903	14	50	10	CS40090	FT-15



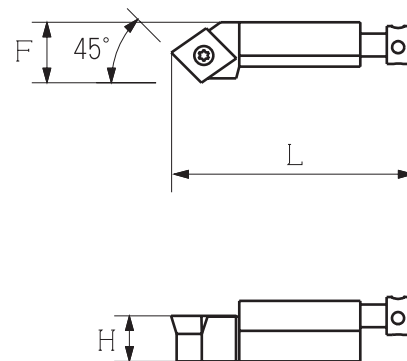
SCFP 90°



SCGP 90°



SCSP 45°



SCFP 90°

Order No.	Insert	Dimensions			Parts	Wrench
		F	L	H		
SCFPR06CA-05	CPMT0502	08	25	06	CS20040	FT-6
SCFPR08CA-06	CPMT0602	10	32	08	CS25060	FT-7

SCGP 90°

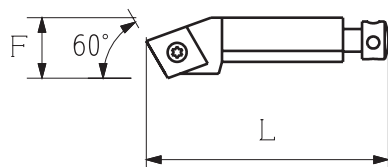
Order No.	Insert	Dimensions			Parts	Wrench
		F	L	H		
SCGPR06CA-05	CPMT0502	08	25	06	CS20040	FT-6
SCGPR08CA-06	CPMT0602	10	32	08	CS25060	FT-7

SCSP 45°

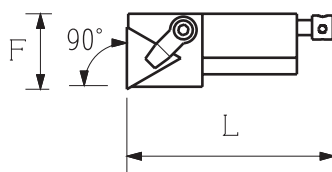
Order No.	Insert	Dimensions			Parts	Wrench
		F	L	H		
SCSPR06CA-05	CPMT0502	08	21	06	CS20040	FT-6
SCSPR08CA-06	CPMT0602	10	28	08	CS25060	FT-7



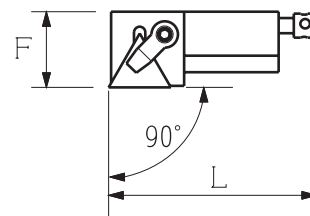
SCTP 60°



CTFP 90°



CTGP 90°



SCTP 60°

Order No.	Insert	Dimensions			Parts	Wrench	
		F	L	H			
SCTPR06CA-05	CPMT0502	08.09	25	06	CS20040	FT-6	
SCTPR08CA-06	CPMT0602	08.98	32	08	CS25060	FT-7	

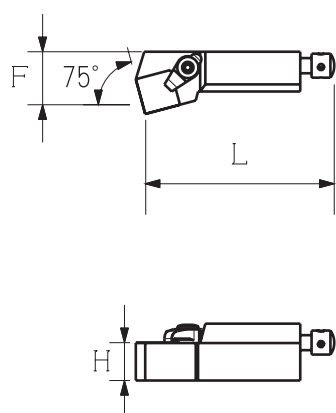
CTFP 90°

Order No.	Insert	Dimensions			Parts		Wrench	
		F	L	H				
CTFPR10CA-11	TPMN1103	14	50	10	CP50-27S		LW020	LW025
CTFPR12CA-16	TPMN1603	20	55	12	CP50-26	CS70-21	LW020	LW025
CTFPR16CA-16	TPMN1603	25	63	16	CP50-26	CS70-21	LW020	LW025

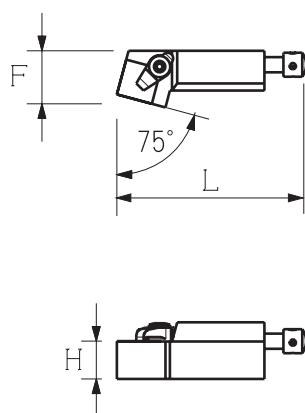
CTGP 90°

Order No.	Insert	Dimensions			Parts		Wrench	
		F	L	H				
CTGPR10CA-11	TPMN1103	14	50	10	CP50-27S		LW020	LW025
CTGPR12CA-16	TPMN1603	20	55	12	CP50-26	CS70-21	LW020	LW025
CTGPR16CA-16	TPMN1603	25	63	16	CP50-26	CS70-21	LW202	LW025

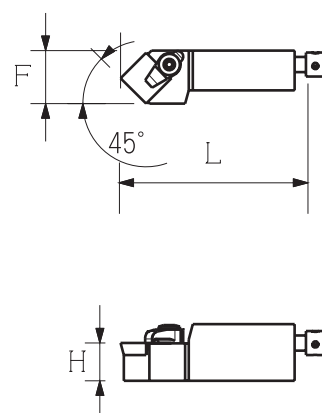
CSKP 75°



CSRP 75°



CSSP 45°



CSKP 75°

Order No.	Insert	Dimensions			Parts		Wrench	
		F	L	H				
CSKPR10CA-09	SPMN0903	14	50	10	CP50-27S		LW020	LW025
CSKPR12CA-12	SPMN1203	20	55	12	CP50-26	CS70-21	LW020	LW025

CSRP 75°

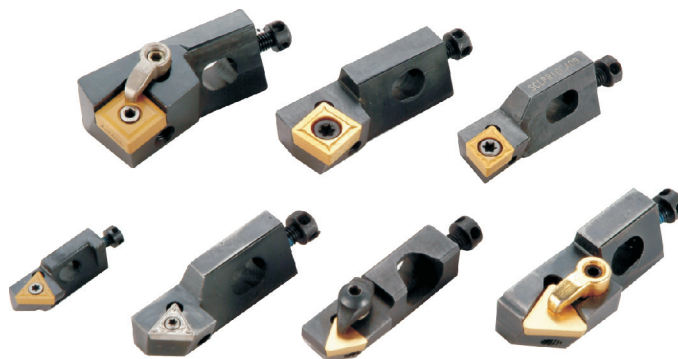
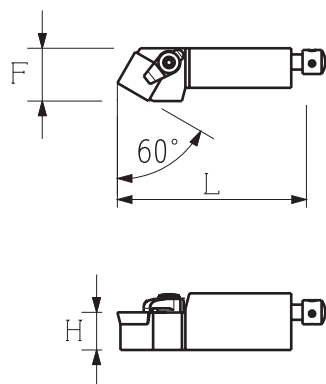
Order No.	Insert	Dimensions			Parts		Wrench	
		F	L	H				
CSRPR10CA-09	SPMN0903	14	50	10	CP50-27S		LW020	LW025
CSRPR12CA-12	SPMN1203	20	55	12	CP50-26	CS70-21	LW020	LW025

CSSP 45°

Order No.	Insert	Dimensions			Parts		Wrench	
		F	L	H				
SSSPR10CA-09	SPMN0903	14	50	10	CP50-27S		LW020	LW025
SSSPR12CA-12	SPMN1203	20	55	12	CP50-26	CS70-21	LW020	LW025



CSTP 60°



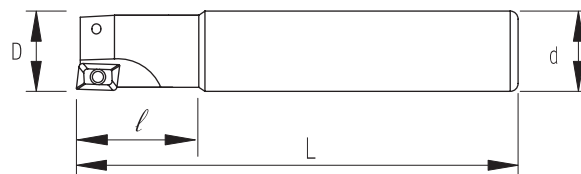
CSTP 60°

Order No.	Insert	Dimensions			Parts		Wrench	
		F	L	H				
CSTPR10CA-09	SPMN0903	14	50	10	CP50-27S		LW020	LW025
CSTPR12CA-12	SPMN1203	20	55	12	CP50-26	CS70-21	LW020	LW025



NEW AX SERIES

E90AX / E90AX-H/E90AX-LH *NEW*



Recommended Inserts 刀片建議品牌：SUMITOMO & NACHI

Order No.	D(mm)	L(mm)		l(mm)	d(mm)	I No.		Screw
			-LH				-LH	
E90AX12-D14	14	80	120	25	16	1	1	CS30051
E90AX12-D16	16	100	145	25	16	2	2	
E90AX12-D18	18	100	145	25	16	2	2	CS30058
E90AX12-D20	20	110	150	30	20	3	2	
E90AX12-D22	22	110	150	30	20	3	2	
E90AX12-D25	25	120	170	35	25	4	2	
E90AX12-D28	28	120	170	35	25	4	2	
E90AX12-D30	30	120	170	35	25	4	2	
E90AX12-D32	32	130	180	40	32	5	2	
E90AX12-D40	40	150	180	30	32	6	2	

E90AX12-D14H with cooling channel 附油孔

E90AX12-D14LH with longer shank and cooling channel 加長型附油孔

Insert	Screw	Wrench
AXMT 1235	CS30051 / CS30058	DBIT-T8

Order No.	D(mm)	L(mm)		l(mm)	d(mm)	I No.	
			-LH				-LH
E90AX17-D25	25	120	170	35	25	2	2
E90AX17-D28	28	120	170	35	25	2	2
E90AX17-D30	30	130	180	40	25	3	2
E90AX17-D32	32	130	180	40	32	3	2
E90AX17-D35	35	130	180	40	32	3	2
E90AX17-D40	40	170	220	50	32	4	2

E90AX17-D25H with cooling channel 含油孔

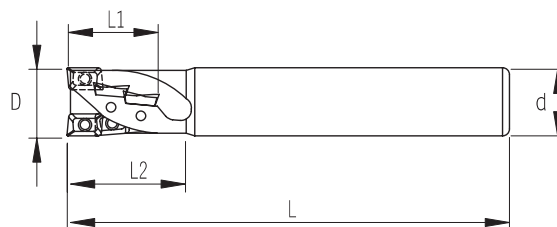
E90AX17-D25LH with longer shank and cooling channel 加長型附油孔

Insert	Screw	Wrench
AXMT 1705	CS40090TP	DBIT-TP15



NEW AX SERIES

EM90AX *NEW*



Recommended Inserts 刀片建議品牌：SUMITOMO & NACHI

Order No.	D(mm)	d (mm)	L1(mm)	L2 (mm)	L (mm)	T No.	I No.
EM90AX12-D20X	20	20	27	45	130	2	6
EM90AX12-D25	25	25	27	45	130	2	6
EM90AX12-D32	32	32	27	45	130	3	9
EM90AX12-D20L	20	20	36	45	130	1	4
EM90AX12-D25L	25	25	36	45	130	2	8
EM90AX12-D32L	32	32	45	65	150	3	15

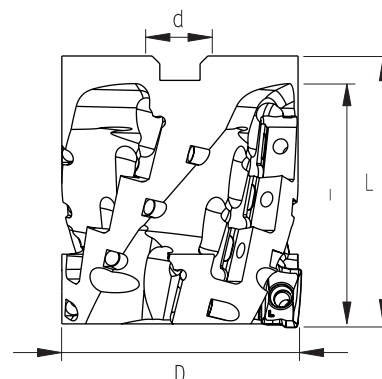
Insert	Screw	Wrench
AXMT 1235	CS30058	DBIT-T8

Order No.	D(mm)	d(mm)	L1(mm)	L2(mm)	L(mm)	T No.	I No.
EM90AX17-D40	40	42	40	65	150	3	9
EM90AX17-D50	50	42	53	75	165	3	12

Insert	Screw	Wrench
AXMT 1705	CS40090TP	DBIT-TP15

T No. = inserts per level 單段刃數 I No. = total inserts 總刃數 I / T = ladders 段數

EM90AX-S *NEW*



Recommended Inserts 刀片建議品牌：SUMITOMO & NACHI

Order No.	D(mm)	d(mm)	l(mm)	L(mm)	T No.	I No.
EM90AX17-D50S	50	22	53	70	3	12
EM90AX17-D63S	63	27	53	70	4	16
EM90AX17-D80S	80	32	53	85	5	20
EM90AX17-D100S	100	40	53	85	6	24

Insert	Screw	Wrench
AXMT 1705	CS40090TP	DBIT-TP15

T No. = inserts per level 單段刃數 I No. = total inserts 總刃數 I / T = ladders 段數



NEW AX SERIES

MSAX *NEW*



Fig 1

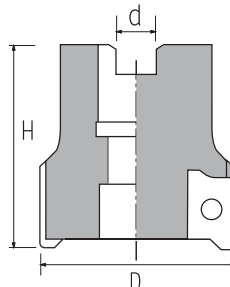
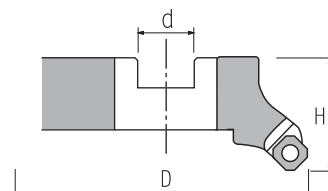


Fig 2



Recommended Inserts 刀片建議品牌 : SUMITOMO & NACHI

Order No.	D(mm)	H(mm)	d(mm)	d(mm)	I No.	Arbor Type
MSAX12-D040A06	40	40	16	-	6	Fig. 1
MSAX12-D050A07	50	40	22	-	7	Fig. 1
MSAX12-D063A08	63	40	22	1"	8	Fig. 1

MSAX12-D040A06H with cooling channel 附油孔

Insert	Screw	Wrench
AXMT 1235	CS30058	DBIT-T8

Standard Pitch Type

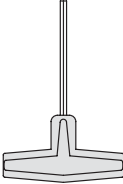
Order No.	D(mm)	H(mm)	d(mm)	d(mm)	I No.	Arbor Type
MSAX17-D040A04	40	40	16	-	4	Fig. 1
MSAX17-D050A05	50	40	22	-	5	Fig. 1
MSAX17-D063A06	63	50	22	1"	6	Fig. 1
MSAX17-D080B04	80	50	27	1"	4	Fig. 2
MSAX17-D100B05	100	63	32	1-1/4"	5	Fig. 2
MSAX17-D125B06	125	63	40	1-1/2"	6	Fig. 2

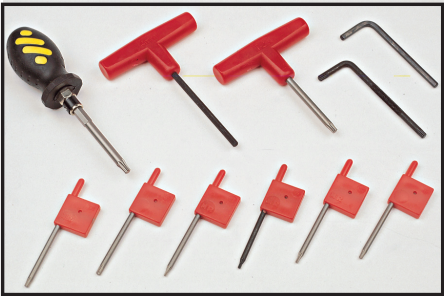
MSAX17-D040A04H with cooling channel 附油孔

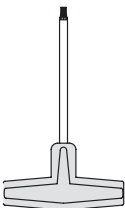
Fine Pitch Type

Order No.	D(mm)	H(mm)	d(mm)	d(mm)	I No.	Arbor Type
MSAX12-D080B07	80	50	27	1"	7	Fig. 2
MSAX12-D100B08	100	63	32	1-1/4"	8	Fig. 2
MSAX12-D125B09	125	63	40	1-1/2"	9	Fig. 2

Insert	Screw	Wrench
AXMT 1705	CS40090TP	DBIT-TP15

 HEX drive			
L-Wrence		T-handle Wrench	
LW015		TW030	
LW020		TW040	
LW025			
LW030			
LW035			
LW040			
LW050			
LW060			



 Torx drive							
Torx Wrenches		Torx Flag-type Wrench		Torx Drivers		Torx T-handle Wrench	
TL-10		FT-6		DT-6		TWT-15	
TL-15		FT-7		DT-7		TWT-20	
TL-20		FT-8		DT-8		TWT-25	
TL-25		FT-10		DT-10			
		FT-15		KT-10			
				KT-15			
				KT-20			

Vario Handle		Replaceable drive bits			
BIT-H63		BIT-T6		DBIT-T6	
		BIT-T7		DBIT-T7	
		BIT-T8		DBIT-T8	
		BIT-T9		DBIT-T9	
		BIT-T10		DBIT-T10	
		BIT-T15		DBIT-T15	
		BIT-T20		DBIT-T20	
		BIT-T25		DBIT-T25	



 Torx drive_Vario set	
TBOXBIT-1	
Vario Handle : BIT-H63 Anti-seize lubricant : ASL-5M	
BIT-T6	BIT-T10
BIT-T7	BIT-T15
BIT-T8	BIT-T20
BIT-T9	BIT-T25



明 祿 工 業 股 份 有 限 公 司
MAROX TOOLS INDUSTRIAL CO.,LTD.

(411)台灣台中市太平區新仁路一段22巷65號

統一編號：52384098

No.65, Lane 22, Sec. 1, Sin-Ren Rd.,Taiping City,Taichung County 411, Taiwan

TEL：886-4-22780167-8

E-mail：service@marox.com.tw

FAX：886-4-22780111

<http://www.marox.com.tw>