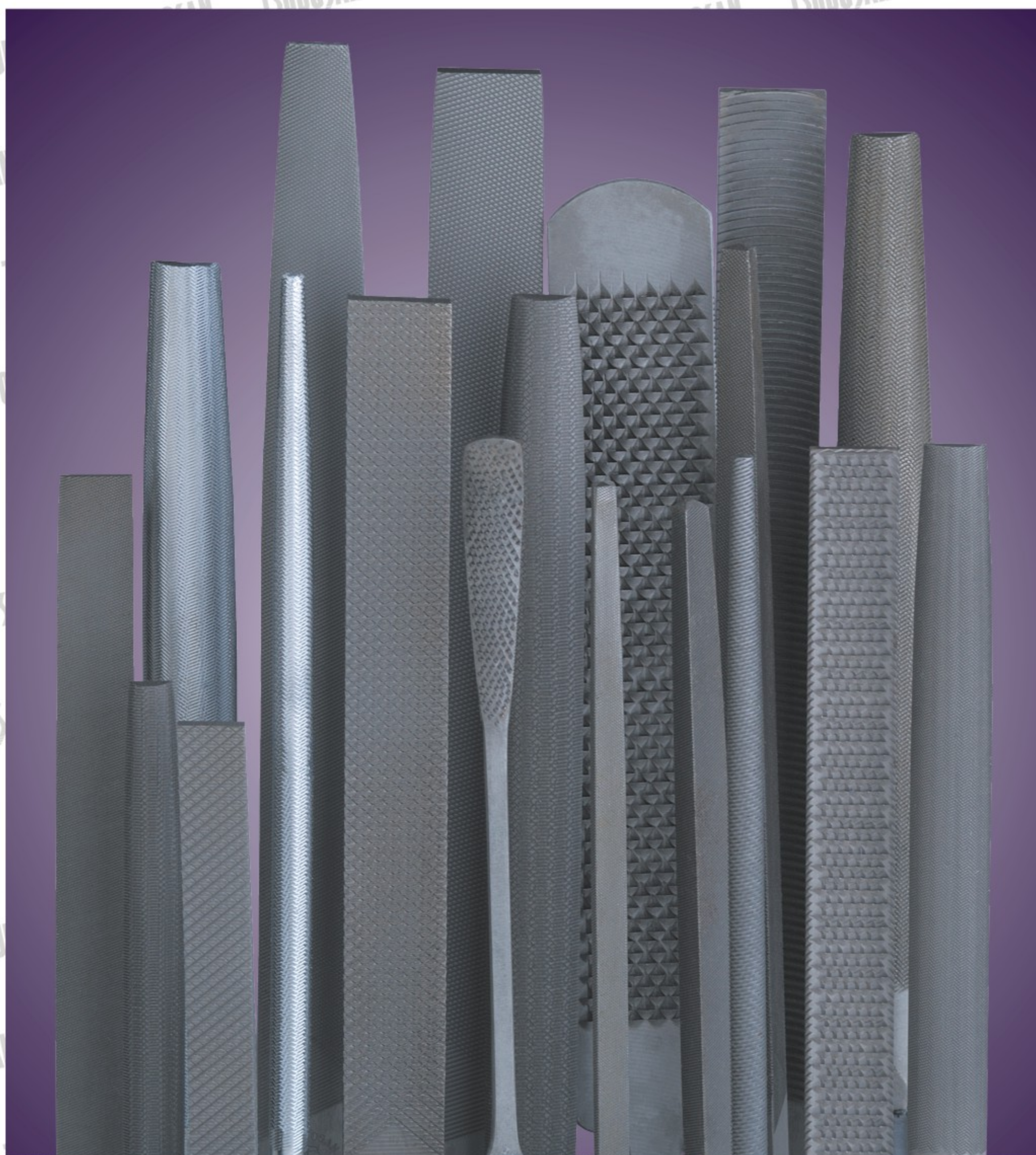


TSUBOSAN



壽三銼刀



鐵工銼

ENGINEER'S FILES

精密整形銼

PRECISION NEEDLE FILES

旋轉銼

ROTARY FILES

金鋼石工具

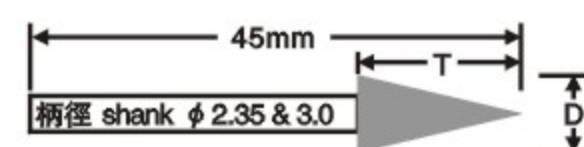
DIAMOND TOOLS



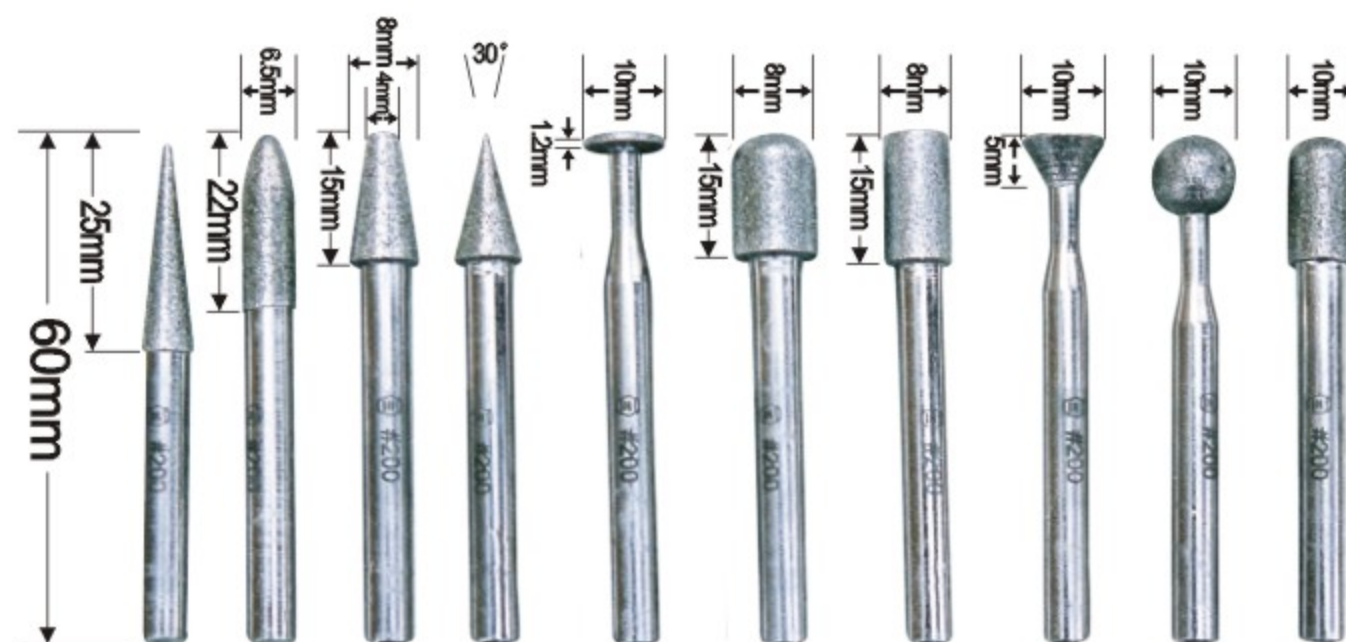


圖形 From								
ITEM No.	D1	D2	D3	D4	D5	D6	D8	D10
D/外徑	1.0	2.0	3.0	4.0	5.0	6.0	8.0	10.0
T/鑽石長	1	2	3	4	5	6	8	10
圖形 From								
ITEM No.	A10	A15	A20	A25	A30	A40	A50	A60
D/外徑	1.0	1.5	2.0	2.5	3.0	4.0	5.0	6.0
T/鑽石長	8	9	11	11	12	10	10	10
圖形 From								
ITEM No.	AR15	AR20	AR25	AR30	AR35	AR40	AR50	AR60
D/外徑	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0
T/鑽石長	9	11	11	12	10	10	10	10
圖形 From								
ITEM No.	C20	C30	C40	C50	C60	LA210	LA320	LA510
D/外徑	2.0	3.0	4.0	5.0	6.0	2	3	5
T/鑽石長	12	10	10	10	10	10	10	10
圖形 From								
ITEM No.	T3	T7	T10	T26	R31	R32	S30	S50
D/外徑	3°	7°	10°	26°	3	3	3	5
T/鑽石長	13	12	17	13	15	10	5	9
圖形 From								
ITEM No.	U1310	U1315	U1320	U1325	U1330	U1335	U1340	U1345
D/外徑	13	13	13	13	13	13	13	13
T/鑽石長	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
圖形 From								
ITEM No.	T50	T80	T100	T1310	T1320	T1330	T1340	T1350
D/外徑	5.0	8.0	10.0	13	13	13	13	13
T/鑽石長	0.5	0.8	1.0	1.0	2.0	3.0	4.0	5.0
圖形 From								
ITEM No.	Y50	Y60	Y80	Y100	M50	M60	M80	M130
D/外徑	5.0	6.0	8.0	10.0	5.0	6.0	8.0	13.0
T/鑽石長	1	1.5	2	3	2	3.5	4.5	3.5

柄徑 ϕ 2.35 & 3.0 袋裝鑽石及立方氮化硼磨棒
Diamond & CBN Bit
Grid No. #150 #200 #400



30支裝綜合組鑽石及立方氮化硼磨棒
DIA & CBN Bit 30pcs/set
Grid No. #150 #200 #400
ITEM No. BIT-330(ϕ 3mm柄)
ITEM No. BIT-230(ϕ 2.35mm柄)



鑽石及立方氮化硼磨棒十支組 DIA & CBN Bit 10pcs/set
柄徑 ϕ 6mm,總長60mm,
 ϕ 6Shank 60 Length
Grid No. #100 #150 #200
ITEM No. 6Y-10



鑽石打孔鑽
DIA Drills
Grid No. #100

貨號 ITEM No.	直徑 Diam(mm)	貨號 ITEM No.	直徑 Diam(mm)	貨號 ITEM No.	直徑 Diam(mm)
DD3	3	DD20	20	DD45	45
DD4	4	DD22	22	DD50	50
DD5	5	DD25	25	DD60	60
DD6	6	DD26	26	DD70	70
DD8	8	DD28	28	DD80	80
DD10	10	DD30	30	DD90	90
DD12	12	DD32	32	DD100	100
DD15	15	DD35	35	DD120	120
DD16	16	DD38	38	DD130	130
DD18	18	DD40	40	DD150	150



機械或手用鑽石及立方氮化硼平斜銼刀(帶手柄)(柄徑 $\phi 3$)
DIA & CBN Machine or Hand Taper File(With Handle)
Grid No. #120 #200 #400 #600
ITEM No. MTF-12



機械或手用鑽石及立方氮化硼異型銼刀(帶手柄)(柄徑 $\phi 3$)
DIA & CBN Machine or Hand Bent Taper File(With Handle)
Grid No. #200 #300
ITEM No. MBT-12



130鑽石平斜銼10支組
130 DIA Needle Taper Files 10 pcs/set
Grid No. #100 #150 #240 #300 #400 #600
ITEM No. 130



$\phi 3 \times 140$ 鑽石特種異型什錦銼10支組
DIA Special Bent Needle Files 10 pcs/set
Grid No. #150 #300
ITEM No. DTY330



180鑽石平斜銼12支組
180 DIA Hand Taper Files 12 pcs/set
Grid No. #100 #150 #240 #300 #400 #600
ITEM No. 180



$\phi 3 \times 140$ 鑽石異型什錦銼10支組
DIA Bent Needle Files 10 pcs/set
Grid No. #150 #300
ITEM No. DY330



φ 4x160 鑽石異型什錦銼10支組
DIA Bent Needle Files 10 pcs/set
Grid No. #150 #300 ITEM No. DY430



φ 5x180 鑽石異型什錦銼10支組
DIA Bent Needle Files 10 pcs/set
Grid No. #150 #300 ITEM No. DY540



雙頭鑽石異型銼刀
DIA Craftsman
Grid No. #200 #400
ITEM No. Y-8

規格表 STANDARD TABLE

規格/Size	鑽石長/L	厚度/T	ITEM No.	Grid No.
φ 5x180x70	70	1.0	DTH570	#200 #400
φ 4x160x60	60	0.8	DTH460	#200 #400
φ 3x140x50	50	0.5	DTH350	#200 #400



鑽石高彈銼 DIA Thin Hand File

規格/Size	鑽石長/L	厚度/T	ITEM No.	Grid No.
φ 5x180x70	70	1.0	DTH570	#200 #400
φ 4x160x60	60	0.8	DTH460	#200 #400
φ 3x140x50	50	0.5	DTH350	#200 #400



鑽石斜平銼 DIA Hand Taper Files

規格/Size	鑽石長/L	T	t	ITEM No.	Grid No.
φ 5 × 180 × 70	70	2.50	0.7	DHT570	#100 #200 #300
φ 4 × 160 × 60	60	2.0	0.6	DHT460	#100 #200 #300
φ 3 × 140 × 50	50	1.80	0.5	DHT350	#100 #200 #300



鑽石曲型平扁銼 DIA Crank Hand Files

規格/Size	ITEM No.	Grid No.
φ 5 × 180 × 70	DCH570	#100 #200 #400
φ 4 × 160 × 60	DCH460	#100 #200 #400
φ 3 × 140 × 50	DCH350	#100 #200 #400



215mm 鑽石曲型平銼
215 DIA Lapper
Grid No. #150 #200
ITEM No. DL215

200mm 鑽石平頭半圓銼
200 DIA Half Round File
Grid No. #150 #200
ITEM No. HD200



φ2x135x40 鑽石精密銼刀10支組
DIA Needle Files 10pcs/set
Grid No. #300 #500
ITEM No. D240-10



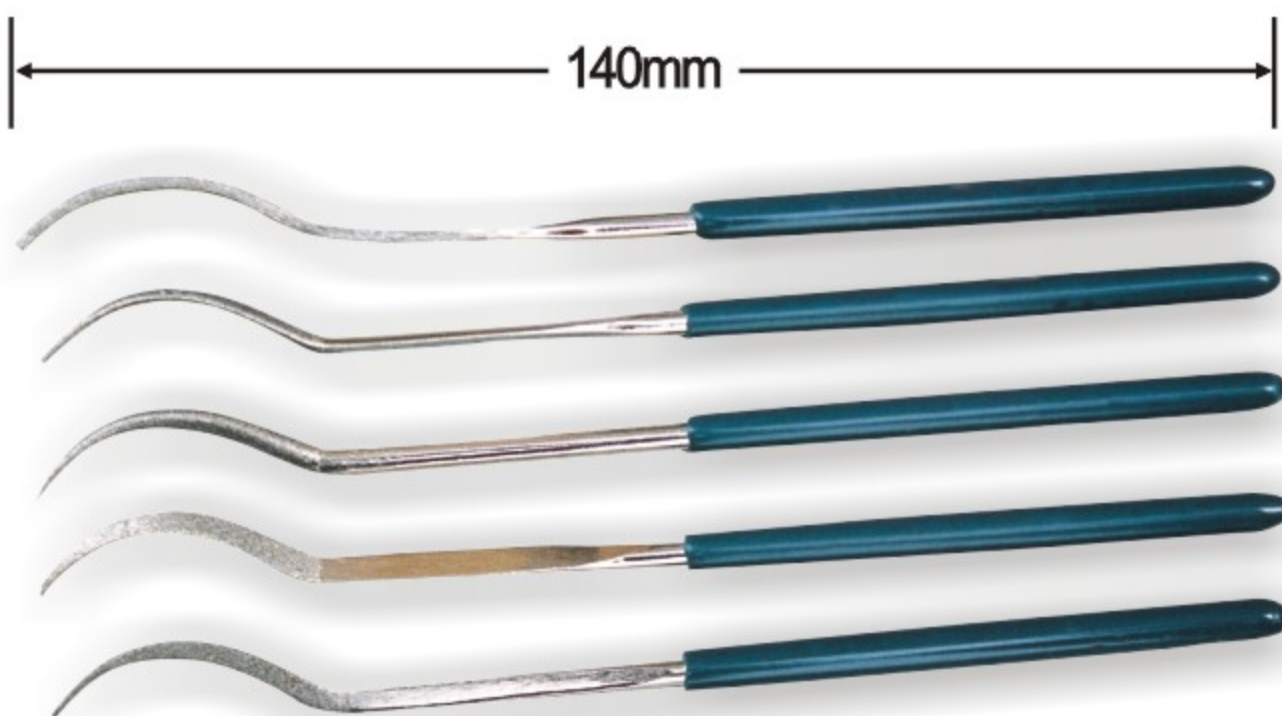
φ3x140x50 鑽石精密銼刀10支組
DIA Needle Files 10pcs/set
Grid No. #150 #500
ITEM No. D350-10



φ4x160x60 鑽石精密銼刀10支組
DIA Needle Files 10pcs/set
Grid No. #150 #500
ITEM No. D460-10



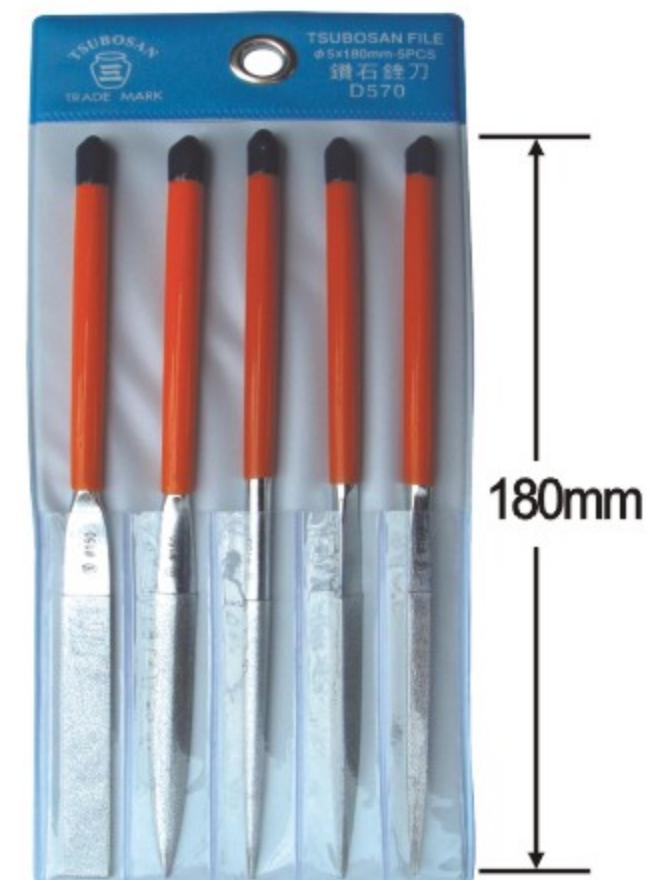
φ5x180x70 鑽石精密銼刀10支組
DIA Needle Files 10pcs/set
Grid No. #150 #500
ITEM No. D570-10



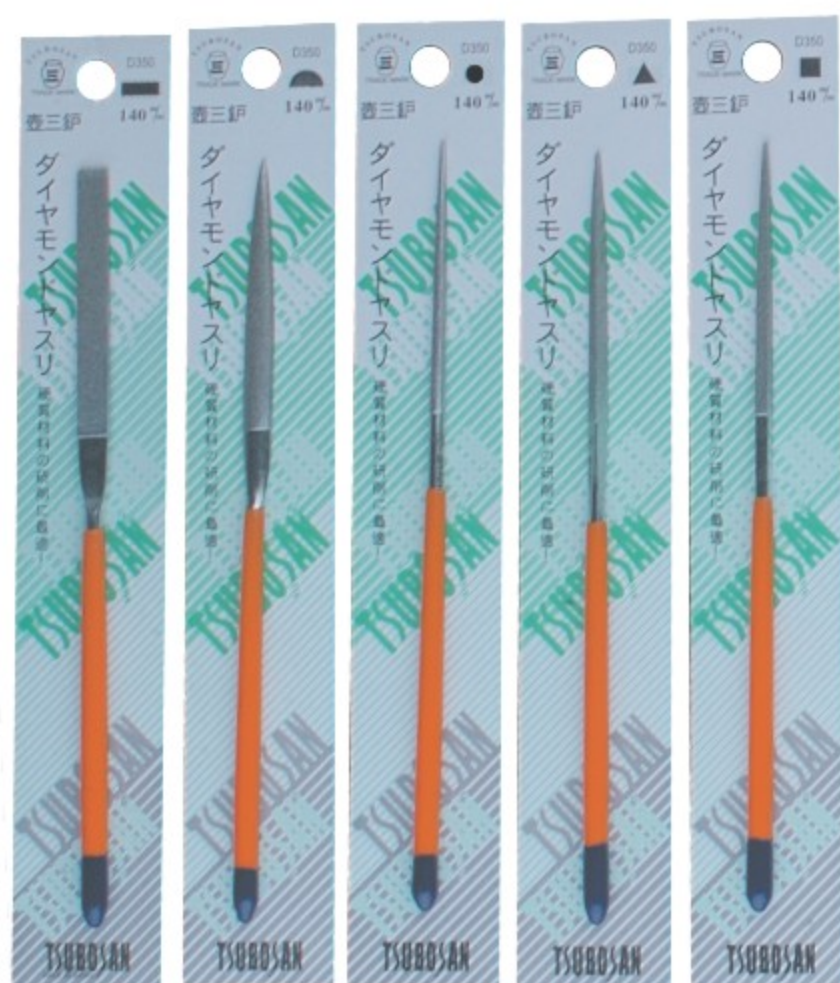
φ 3x140 鑽石異型銼刀5支組
DIA Bent Needle Files 5 pcs/set
Grid No. #150 #200 #400
ITEM No. DBF 5



φ 3x140x50 鑽石精密銼刀5支組
DIA Needle Files 5pcs/set
Grid No. #150 #200 #400
ITEM No. S-105



φ 5x180x70 鑽石精密銼刀5支組
DIA Needle Files 5pcs/set
Grid No. #150 #200 #500
ITEM No. D570-5



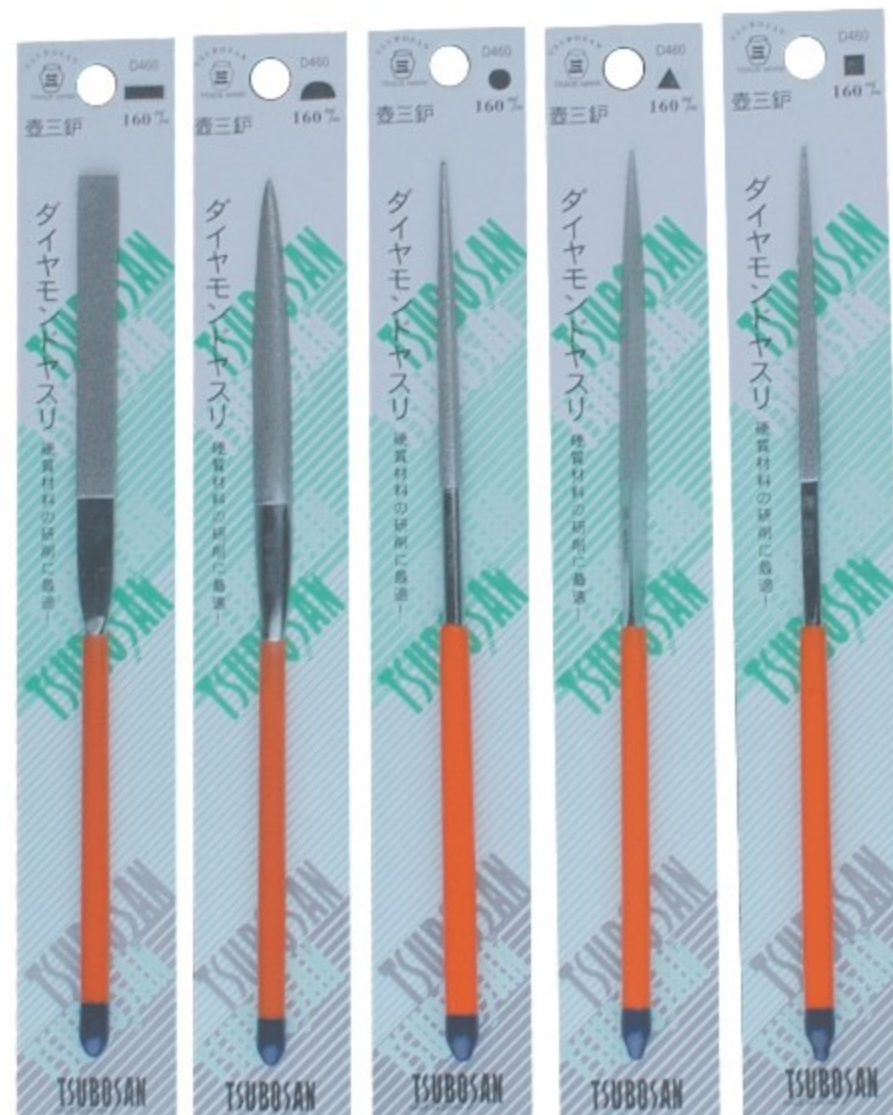
D350HI D350HA D350MA D350SA D350KA

φ 3x140x50 鑽石精密銼刀

DIA Needle Files

Grid No. #150 #200 #400

ITEM No. D350xx



D460HI D460HA D460MA D460SA D460KA

φ 4x160x60 鑽石精密銼刀

DIA Needle Files

Grid No. #150 #200 #400

ITEM No. D460xx



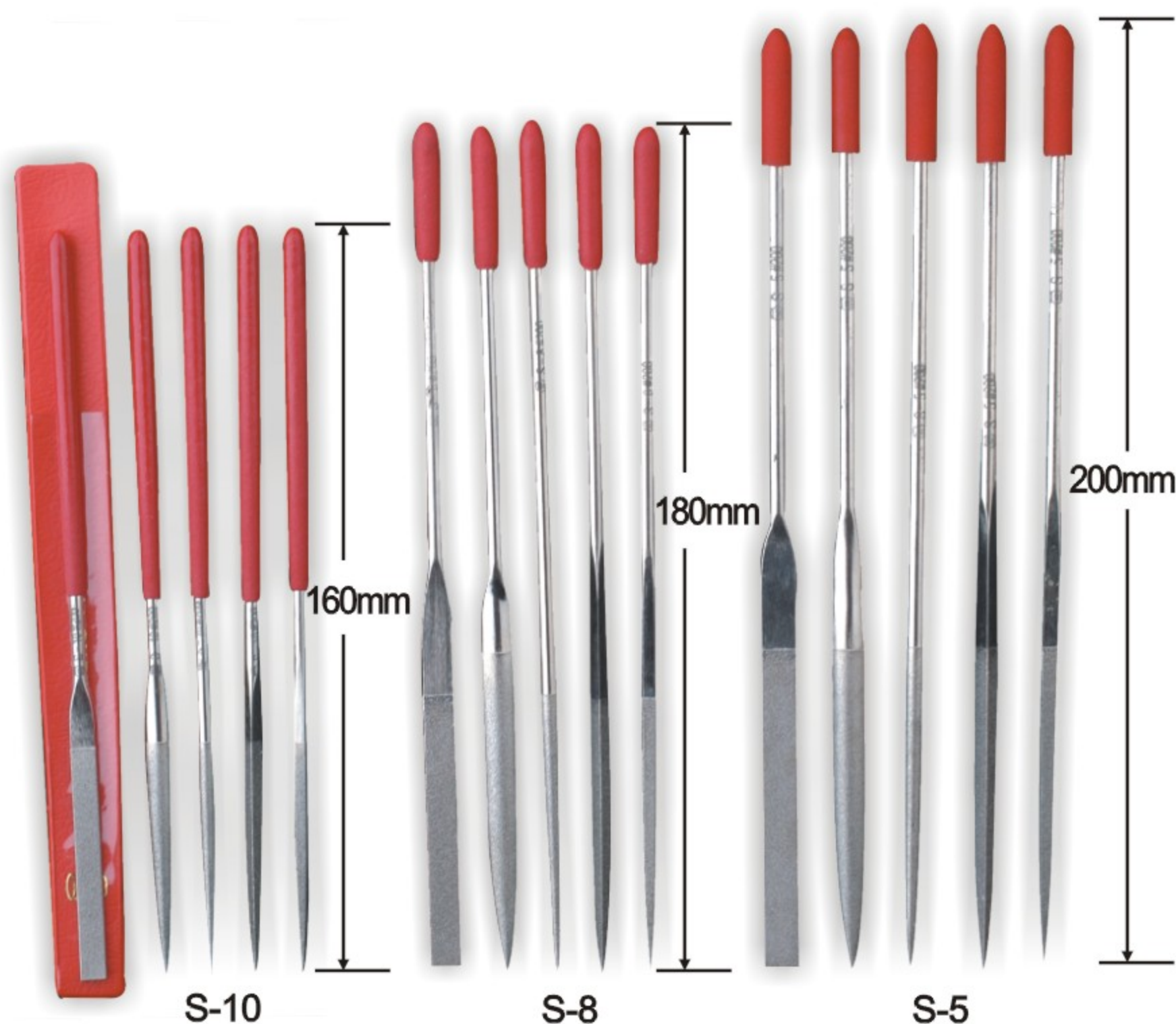
D570HI D570HA D570MA D570SA D570KA

φ 5x180x70 鑽石精密銼刀

DIA Needle Files

Grid No. #150 #200 #400

ITEM No. D570xx



S-10







S-8

S-5

S-TYPE Diamond Files

Grid No. #150 #200

規格表 STANDARD TABLE

DIMEN- SION TYPE								
	mm			WXT mm	WXT mm	W mm	W mm	W mm
S-10	160L	50ℓ	φ3.0A	5.8x1.1	5.5x1.5	φ3.0	2.7	3.8
	ITEM No.			S-10 H1	S-10 HA	S-10 MA	S-10 KA	S-10 SA
S-8	180L	60ℓ	φ3.5A	6.5x1.5	6.0x2.0	φ3.5	3.0	4.3
	ITEM No.			S-8 H1	S-8 HA	S-8 MA	S-8 KA	S-8 SA
S-5	200L	70ℓ	φ4.0A	8.0x2.0	7.0x2.0	φ4.0	3.5	5.0
	ITEM No.			S-5 H1	S-5 HA	S-5 MA	S-5 KA	S-5 SA



215x180 鑽石銼刀

Grid No. #150 #200

DIA K-TYPE

ITEM No. K-5





規格表 STANDARD TABLE

DIMEN- SION TYPE			SET	 平 Hand WXT mm	 半丸 Half Round WXT mm	 丸 Round W mm	 角 Square W mm	 三角 Triangular W mm
	K-5	215L	50(~100)ℓ	—	11.0x3.5	12.0x3.8	φ5.5	5.5
ITEM No.		K-5	K-5 HI	K-5 HA	K-5 MA	K-5 KA	K-5 SA	



鑽石齊頭圓銼 DIA Round Type Grid
Grid No. #400

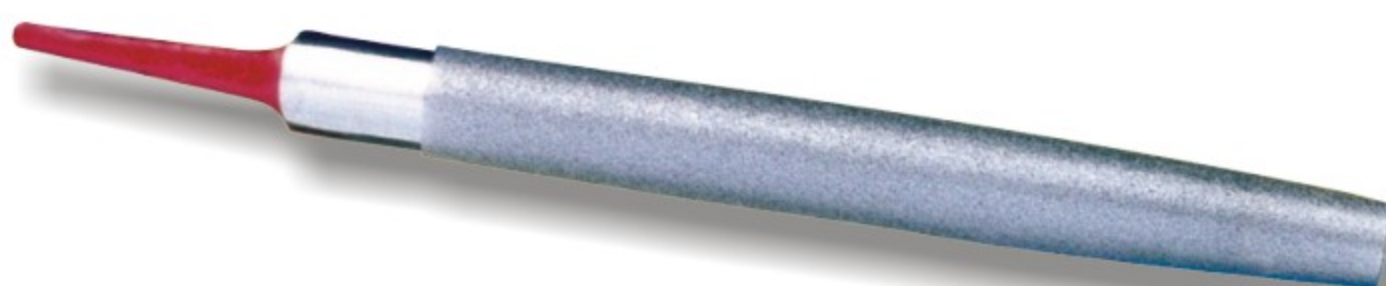
規格表 STANDARD TABLE

 mm		 W mm	 pcs	 kg-10pcs	ITEM No.
L:140	PLATED LENGTH l: 50 #400	φ 1.2	10	0.06	TD03124
		φ 1.5	10	0.07	TD03154
		φ 2.0	10	0.08	TD03204
		φ 2.5	10	0.11	TD03254
		φ 3.0	10	0.14	TD03304
		φ 3.5	10	0.16	TD03354
		φ 4.0	10	0.20	TD03404



鑽石平扁銼 DIA Hand Files

規格/Size	鑽石長/L	ITEM No.	Grid No.
150mm	130	DH150	#200 #400
200mm	175	DH200	#200 #400
250mm	220	DH250	#200 #400
300mm	280	DH300	#200 #400



鑽石半圓銼 DIA Half Round Files

規格/Size	鑽石長/L	ITEM No.	Grid No.
150mm	130	DHR150	#200 #400
200mm	175	DHR200	#200 #400
250mm	220	DHR250	#200 #400
300mm	260	DHR300	#200 #400



鑽石圓銼 DIA Round Files

規格/Size	鑽石長/L	ITEM No.	Grid No.
150mm	130	DMA 150	#200 #400
200mm	175	DMA 200	#200 #400
250mm	220	DMA 250	#200 #400
300mm	260	DMA 300	#200 #400



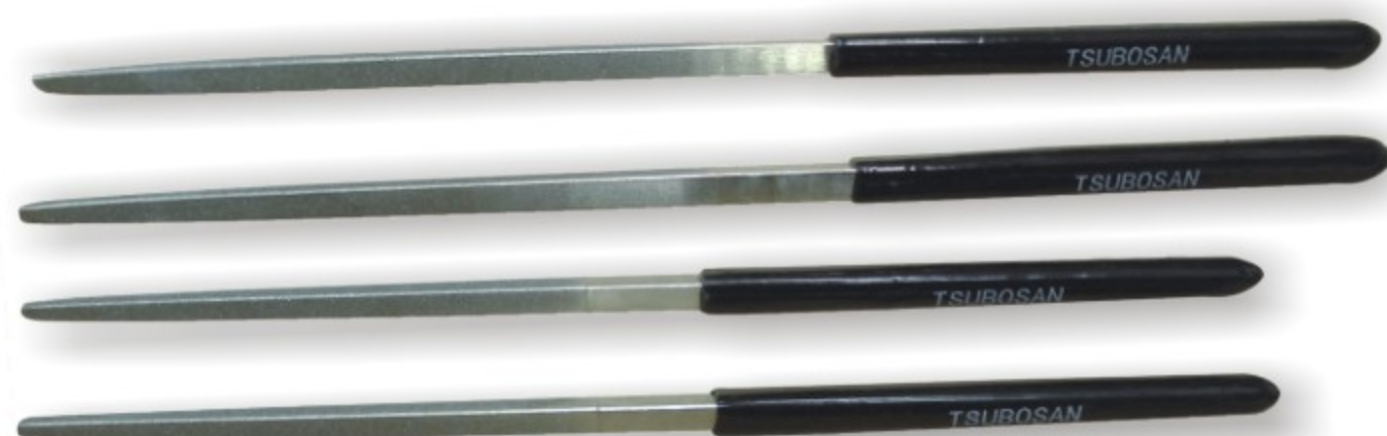
鑽石三角銼 DIA Triangular Files

規格/Size	鑽石長/L	ITEM No.	Grid No.
150mm	130	DSA 150	#200 #400
200mm	175	DSA 200	#200 #400
250mm	220	DSA 250	#200 #400
300mm	260	DSA 300	#200 #400



鑽石方銼 DIA Square Files

規格/Size	鑽石長/L	ITEM No.	Grid No.
150mm	130	DKA 150	#200 #400
200mm	175	DKA 200	#200 #400
250mm	220	DKA 250	#200 #400
300mm	260	DKA 300	#200 #400



鑽石三角鋸銼 DIA Slim Files

規格/Size	W	鑽石長/L	銼刀總長Lmm	Grid No.
75mm 3"	3.9	60	150	#200 #300
100mm 4"	5.5	80	180	#200 #300
125mm 5"	7.0	100	205	#200 #300
150mm 6"	8.6	120	230	#200 #300



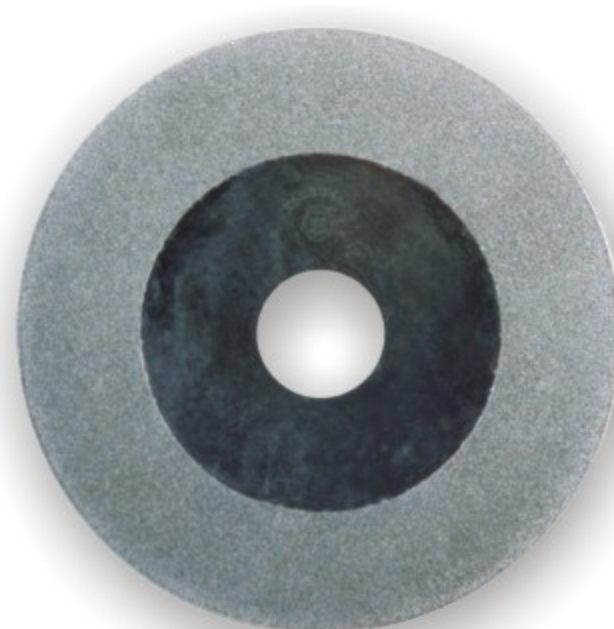
鑽石菱形銼 DIA Rhombus Saw Files

規格/Size	鑽石長/L	ITEM No.	Grid No.
3"	70	DLS075	#150 #300
4"	90	DLS100	#150 #300
5"	110	DLS125	#150 #300
6"	130	DLS150	#150 #300



鑽石鏈鋸銼 DIA Round Chain Saw Files

規格/Size	鑽石長/L	ITEM No.	Grid No.
φ 3.2x220	80	DCS3208	#300
φ 3.5x220	80	DCS3508	#300
φ 4.0x220	80	DCS4008	#300
φ 4.0x240	100	DCS4010	#300
φ 4.5x240	100	DCS4510	#300
φ 4.8x240	100	DCS4810	#300
φ 5.1x240	100	DCS5110	#300
φ 5.5x240	100	DCS5510	#300
φ 6.0x240	100	DCS6010	#300



A Type

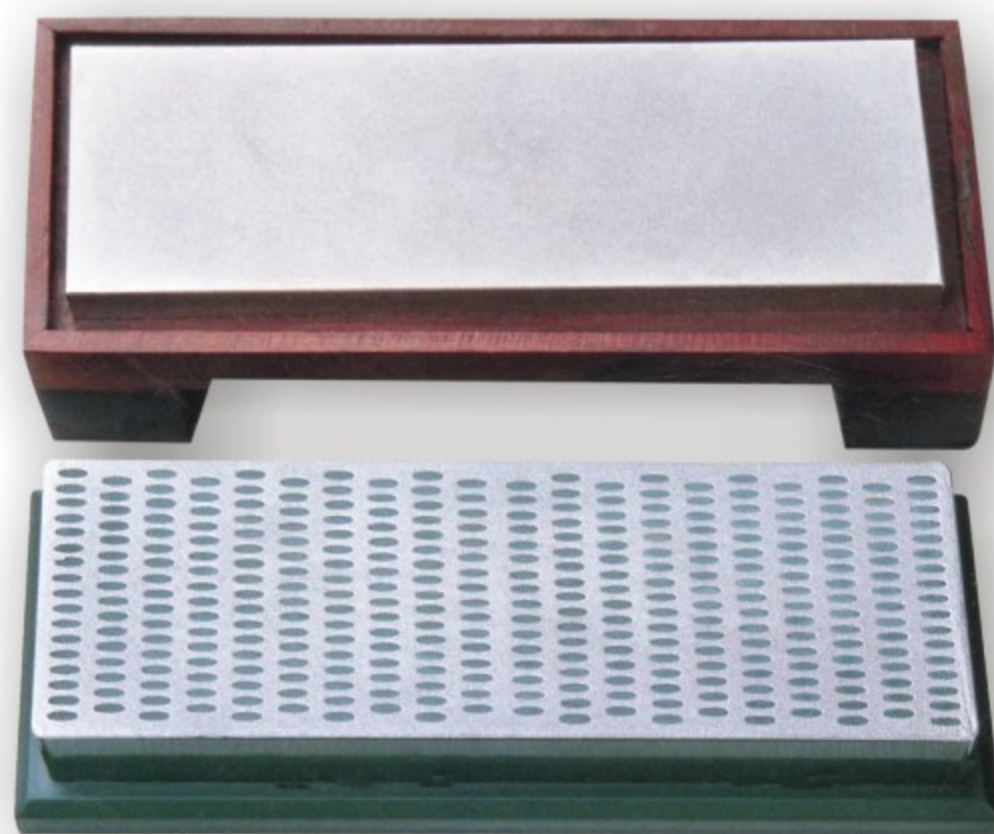


B Type

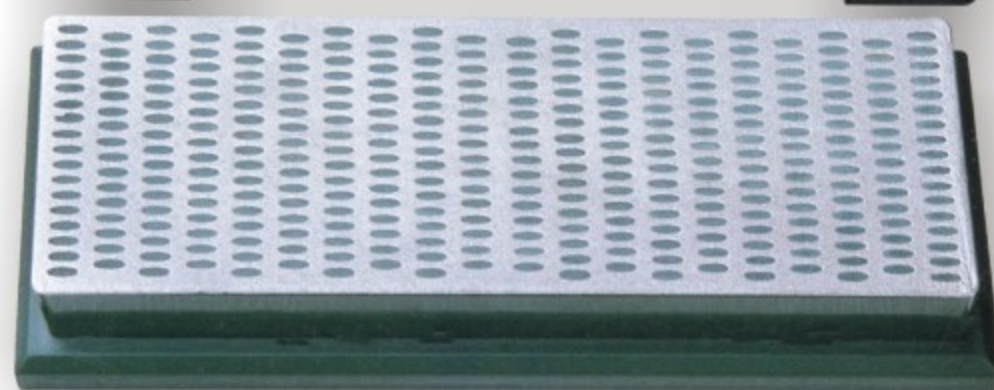
鑽石磨片 DIA Grind Sheet

Size: D100x1.2 Grid No. #120 #200

A: ITEM No. DGSA B: ITEM No. DGSB



A Type

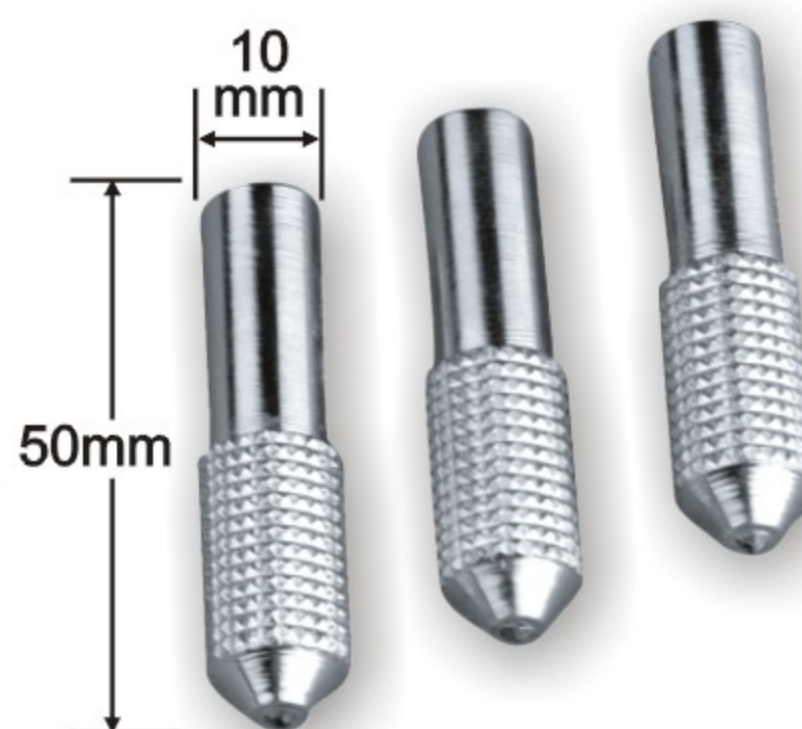


B Type

鑽石研磨平板 DIA Whetstone

Size: 150x50mm Grid No. #600 #800 #1000

A: ITEM No. DWA B: ITEM No. DWB



鑽石砂輪修正筆

DIA Dresser

Size: 1/3CT 1/2CT

Shank 10mm

ITEM No. TDD10



鑽石砂輪修正筆 DIA Dresser

L(mm)	D(mm)	ITEM No.	CT	推荐砂輪外徑
80	10	TD801005	0.25	≤ φ 100
80	10	TD801010	0.5	φ 100~200
100	10	TD1001005	0.5	φ 150~250
100	10	TD1001010	1.0	φ 300~350
100	12	TD1001205	0.75	φ 250~300
100	12	TD1001210	1.0	≥ φ 300



硬度測定銼6件套 Hardness Tester 6pcs/set

ITEM No. MA00600

用途: 可測試硬度HRC40-65, 便于攜帶, 適用於堆場作業及大型工件, 測試非常方便。

Use: Can test hardness HRC40-65. Couvent for carry. Application used for large-scale outwork. It's very convenient for test your material.



厨房磨刀棒 Butcher Knife Sharpener

ITEM No.	級 別	規格mm
BKSA	普通	φ 9.5x225
BKSB	高級	φ 10.5x250
BKSC	鑽石	φ 9.5x225



φ2x135x10P 瑞標什錦銼
Swiss Pattern Needle Files
ITEM No. SNF20



φ2.5x140x12P 瑞標什錦銼
Swiss Pattern Needle Files
ITEM No. SNF25



φ3x160x10P 瑞標什錦銼
Swiss Pattern Needle Files
ITEM No. SNF30



φ3.5x180x8P 帶柄瑞標超細什錦銼
Swiss Pattern Needle Files with Handle
ITEM No. SNF35



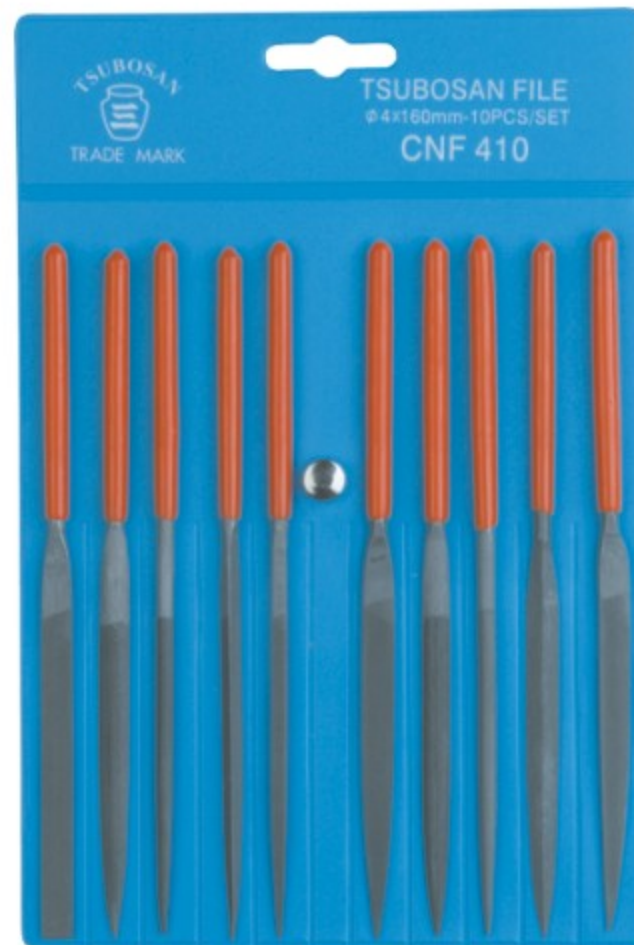
φ4x180x10P 瑞標什錦銼
Swiss Pattern Needle Files
ITEM No. SNF40



φ5x200x10P 瑞標什錦銼
Swiss Pattern Needle Files
ITEM No. SNF50



φ3x140x10P 什錦銼Needle Files
ITEM No. CNF310



φ4x160x10P 什錦銼Needle Files
ITEM No. CNF410



φ5x180x10P 瑞標什錦銼Needle Files
ITEM No. CNF510



φ5x200x5P瑞標什錦銼
Swiss Pattern Needle Files
ITEM No. SNF505



φ4x180x5P瑞標什錦銼
Swiss Pattern Needle Files
ITEM No. SNF405



φ3x160x5P瑞標什錦銼
Swiss Pattern Needle Files
ITEM No. SNF305

Dimension Size	綜合組 SET	平 Hand	半丸 Half Round	丸 Round	角 Square	三角 Triangular	尖扁 Flat	刀形 Knife	竹葉 Flat Leaf
φ 3 × 160	SNF305	SNF305HI	SNF305HA	SNF305MA	SNF305KA	SNF305SA	SNF305SH	SNF305KH	SNF305SS
φ 4 × 180	SNF405	SNF405HI	SNF405HA	SNF405MA	SNF405KA	SNF405SA	SNF405SH	SNF405KH	SNF405SS
φ 5 × 200	SNF505	SNF505HI	SNF505HA	SNF505MA	SNF505KA	SNF505SA	SNF505SH	SNF505KH	SNF505SS



φ5x80x5P(CNF505)



φ4x160x5P(CNF405)



φ3x140x5P(CNF305)

什錦銼5件套 Needle Files 5 pcs/set
規格表Standard Table

Dimension Size	綜合組 SET	平 Hand	半丸 Half Round	丸 Round	角 Square	三角 Triangular	尖扁 Flat	刀形 Knife	竹葉 Flat Leaf
φ 3 × 140	CNF305	CNF305HI	CNF305HA	CNF305MA	CNF305KA	CNF305SA	CNF305SH	CNF305KH	CNF305SS
φ 4 × 160	CNF405	CNF405HI	CNF405HA	CNF405MA	CNF405KA	CNF405SA	CNF405SH	CNF405KH	CNF405SS
φ 5 × 180	CNF505	CNF505HI	CNF505HA	CNF505MA	CNF505KA	CNF505SA	CNF505SH	CNF505KH	CNF505SS

齒紋：荒目Bastard Cut 中目Second Cut 細目Smooth Cut



φ3x140x5P超精密什錦銼
Precision Needle Files
ITEM No. CNF305P



圈圈銼
Ring Ring Files
ITEM No. RF05



φ3柄的超聲波用銼刀
Supersonic Files
ITEM No. SF0305



φ5柄の超聲波用銼刀
Supersonic Files
ITEM No. SF0503



170x10P雙頭異型什錦銼
170x10P Riffilers Needle Files
ITEM No. RNF10

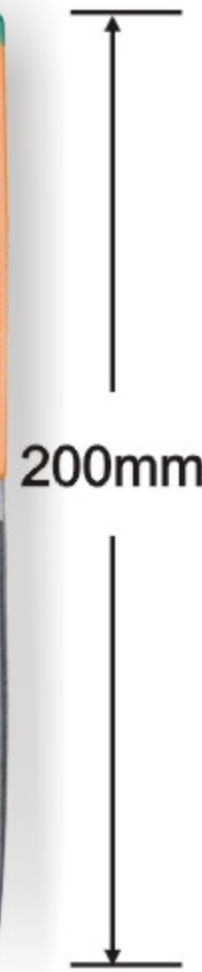


異型什錦銼5支套
Bent Needle Files 5pcs/set

Size	ITEM No.
φ3x140x5pcs	3RNF05
φ4x160x5pcs	4RNF05
φ5x180x5pcs	5RNF05



5本組日本組銼
Die Sinkers-Assorted Files 5pcs/set
ITEM No. JST005 (SKS8)
ITEM No. CST005 (T12A)



8本組日本組銼
Die Sinkers-Assorted Files 8pcs/set
ITEM No. JST008 (SKS8)
ITEM No. CST008 (T12A)



10本組日本組銼
Die Sinkers-Assorted Files 10pcs/set
ITEM No. JST010 (SKS8)
ITEM No. CST010 (T12A)



12本組日本組銼
Die Sinkers-Assorted Files 12pcs/set
ITEM No. JST012 (SKS8)
ITEM No. CST012 (T12A)



φ3x140x3p 帶柄精密什錦銼
3 Assorted Files With Handle
ITEM No. 3AF



φ3x140x6p 帶柄精密什錦銼
6 Assorted Files With Handle
ITEM No. 6AF



200x3支組萬能銼
Omnipotence Files 3pcs/set
更適用於有色金屬及塑料加工
For Nonferrous Metals, Plastic
ITEM No. OF03



φ5x180x5支組萬能銼
Omnipotence Files 5pcs/set
更適用於有色金屬及塑料加工
For Nonferrous Metals, Plastic
ITEM No. OF05



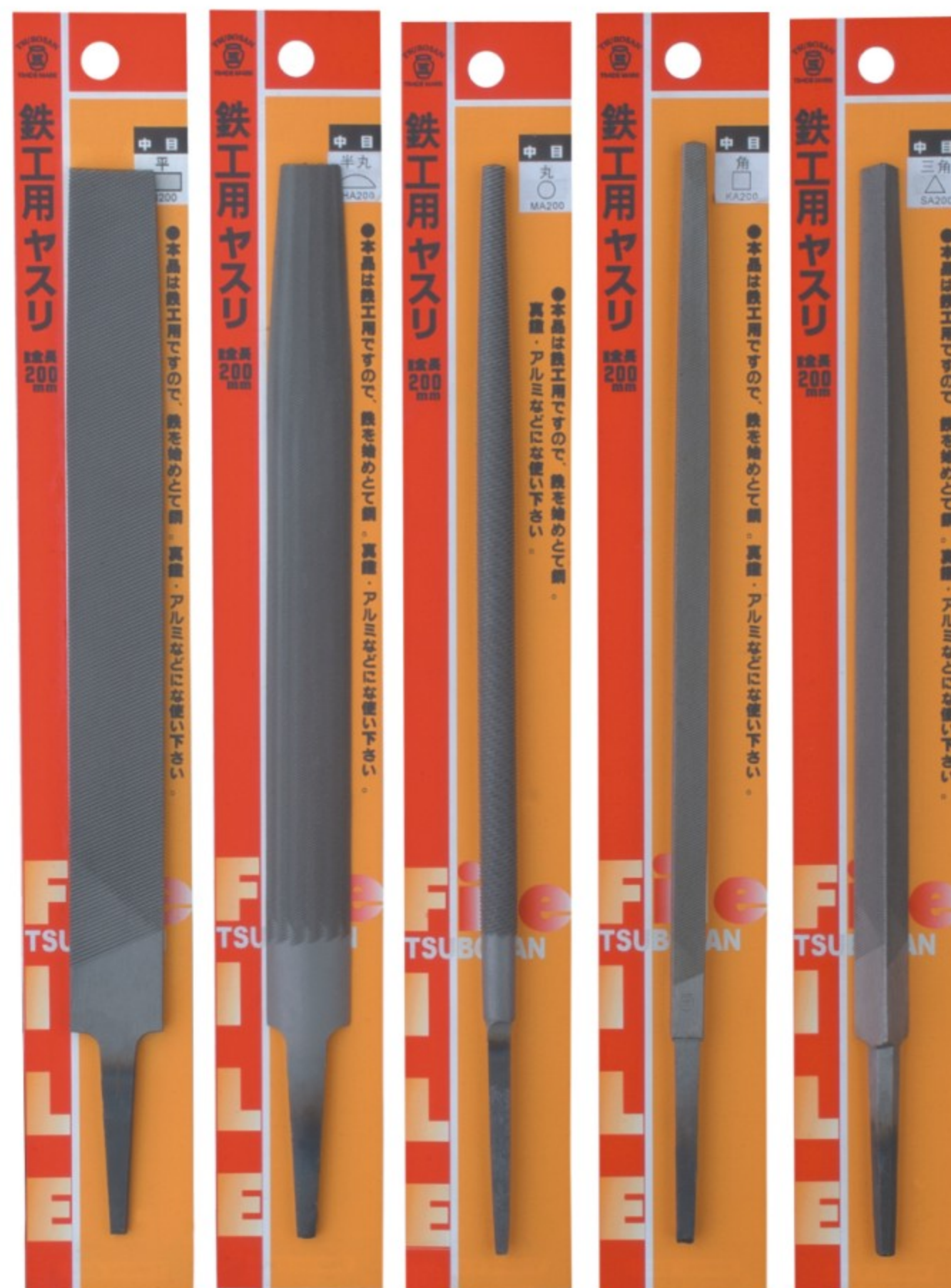
Thread Plastic Handle
螺紋孔橡塑柄



Plastic Handle
塑柄



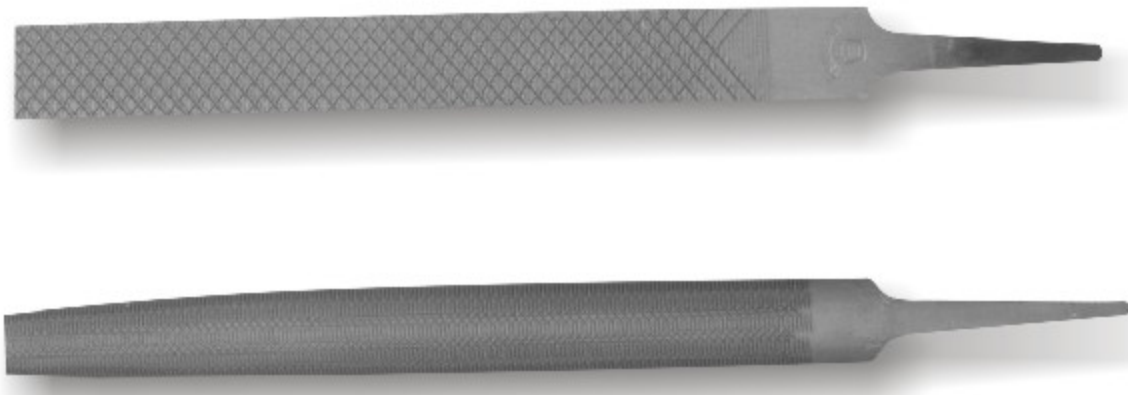
Wooden Handle
木柄





鐵工銼 Engineer Files

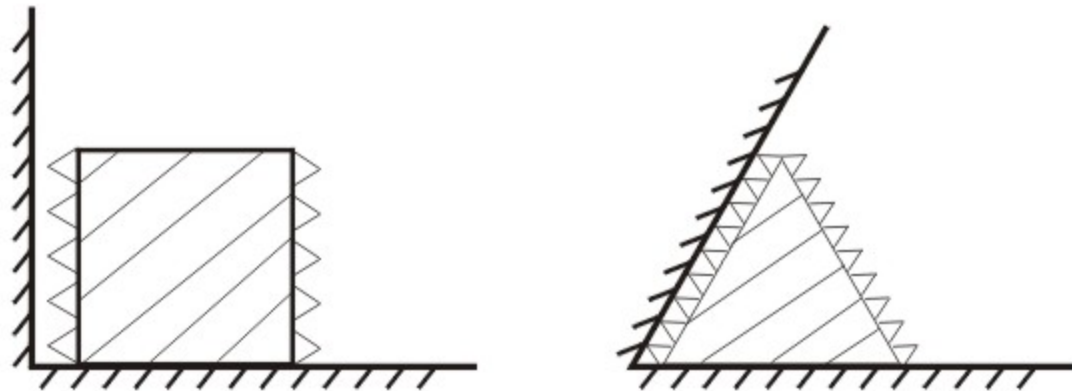
(Bastard 粗齒-B; Second 中齒-C; Smooth 細齒-S)

ITEH No.	Cut No.	平 Hand	半丸 Half Round	丸 Round	角 Square	三角 Triangular
4" (100m/n)	B	HI100B	HA100B	MA100B	KA100B	SA100B
	C	HI100C	HA100C	MA100C	KA100C	SA100C
	S	HI100S	HA100S	MA100S	KA100S	SA100S
6" (150m/n)	B	HI150B	HA150B	MA150B	KA150B	SA150B
	C	HI150C	HA150C	MA150C	KA150C	SA150C
	S	HI150S	HA150S	MA150S	KA150S	SA150S
8" (200m/n)	B	HI200B	HA200B	MA200B	KA200B	SA200B
	C	HI200C	HA200C	MA200C	KA200C	SA200C
	S	HI200S	HA200S	MA200S	KA200S	SA200S
10" (250m/n)	B	HI250B	HA250B	MA250B	KA250B	SA250B
	C	HI250C	HA250C	MA250C	KA250C	SA250C
	S	HI250S	HA250S	MA250S	KA250S	SA250S
12" (300m/n)	B	HI300B	HA300B	MA300B	KA300B	SA300B
	C	HI300C	HA300C	MA300C	KA300C	SA300C
	S	HI300S	HA300S	MA300S	KA300S	SA300S
14" (350m/n)	B	HI350B	HA350B	MA350B	KA350B	SA350B
	C	HI350C	HA350C	MA350C	KA350C	SA350C
	S	HI350S	HA350S	MA350S	KA350S	SA350S
16" (400m/n)	B	HI400B	HA400B	MA400B	KA400B	SA400B
	C	HI400C	HA400C	MA400C	KA400C	SA400C
	S	HI400S	HA400S	MA400S	KA400S	SA400S





難切削材専用鋸 Files For Stainless Steel

Size	ITEM No. 	ITEM No. 
6"	HI1505	HA1505
8"	HI1205	HA2005
10"	HI1255	HA2505
12"	HI1305	Ha3005



精修角面専用鋸 Special Engineer Files

ITEM No. / Size	角 Square 	三角 Triangular 
200m/n(8")	SKA200	SSA200
250m/n(10")	SKA250	SSA250



8" 鐵工鋸3件套
Engineer's Files 3 pcs/set
ITEM No. EF203

10" 鐵工鋸3件套
Engineer's Files 3 pcs/set
ITEM No. EF253



4" 鐵工鋸3件套
Engineer's Files 3 pcs/set
ITEM No. EF103



6" 鐵工鋸5件套
Engineer's Files 5 pcs/set
ITEM No. EF155



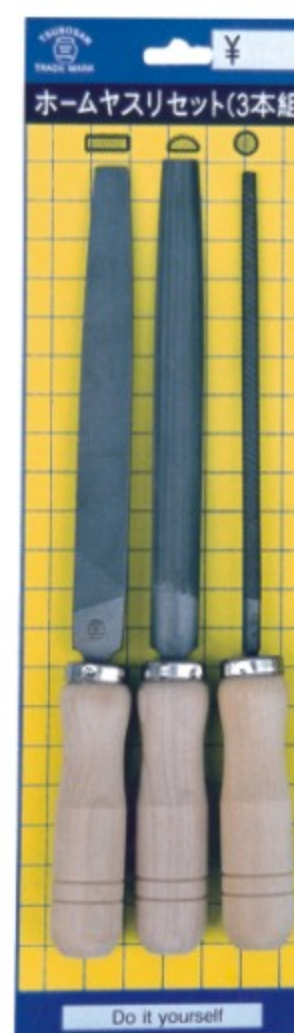
8" 鐵工鋸5件套
Engineer's Files 5 pcs/set
ITEM No. EF205



φ 3x140x6p 精密什錦木鋸
Precision Needle Rasps 6pcs/set
ITEM No. PR06



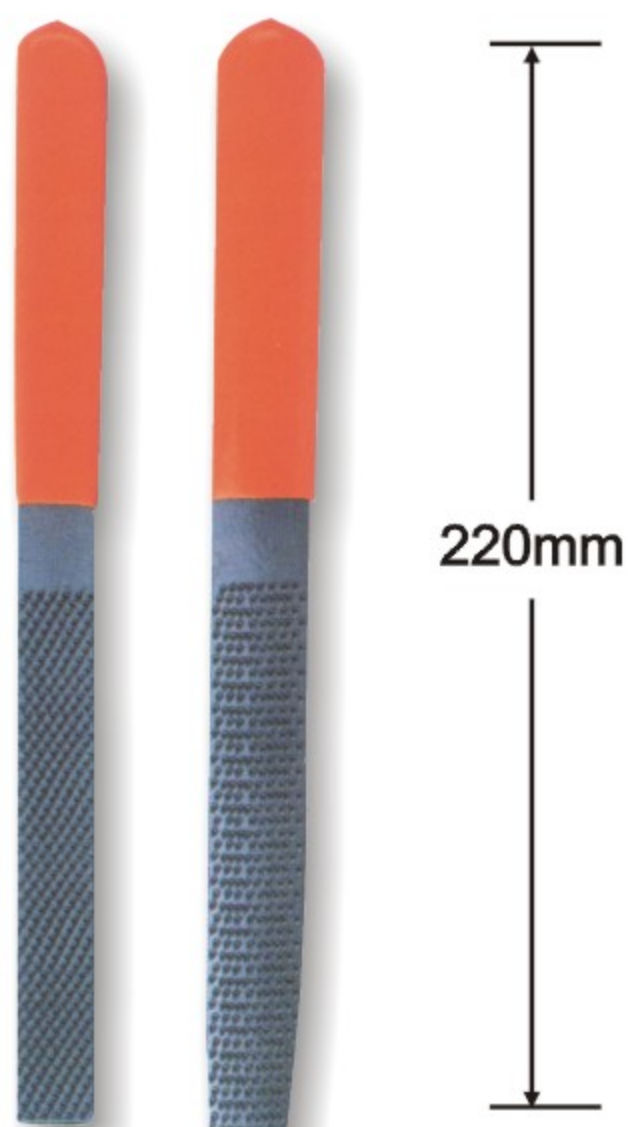
4" 木工鋸3件套
Rasps 3pcs/set
ITEM No. RS103



6" 鐵工鋸3件套
Engineer's Files 3 pcs/set
ITEM No. EF153



200mm木工3件套
8" Wooden Rasps 3pcs/set
ITEM No. RS203



220鉛、鋁木工専用銼
Cabinet Rasps
ITEM No. ST220HI ST220HA



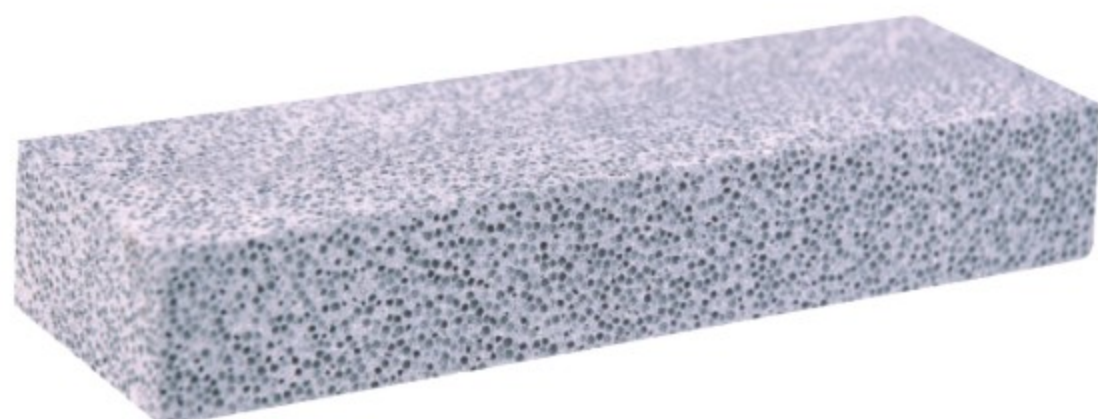
Angnlar Rasps
尖頭木工銼 6" 8" 10" 12" 14"
ITEM No. AR150 AR200 AR250 AR300 AR400



木鑽銼: Drill Saw
大木鑽銼: ITEM No. DSL
小木鑽銼: ITEM No. DSS



日本砥源氣孔油石 #120
Japan Teiken PT Had-Stone #120
規格/Size: (1)150 × 25 × 25mm
(2)150 × 25 × 50mm
特點: (1)大氣孔、不易堵塞、保持鋒利性;
(2)大大縮短工作打磨時間
(3)因有良好鋒利度, 打磨時一鐘粒度能代替
三鐘粒度 (#120=#80~#150)
ITEM No. PT 120 PA



日本砥源氣孔油石 #180
Japan Teiken PT Had-Stone #180
規格/Size: (1)150 × 25 × 25mm
(2)150 × 25 × 50mm
特點: (1)大氣孔、不易堵塞、保持鋒利性;
(2)大大縮短工作打磨時間
(3)因有良好鋒利度, 打磨時一鐘粒度能代替
三鐘粒度 (#180=#120~#200)
ITEM No. PT 180 PA

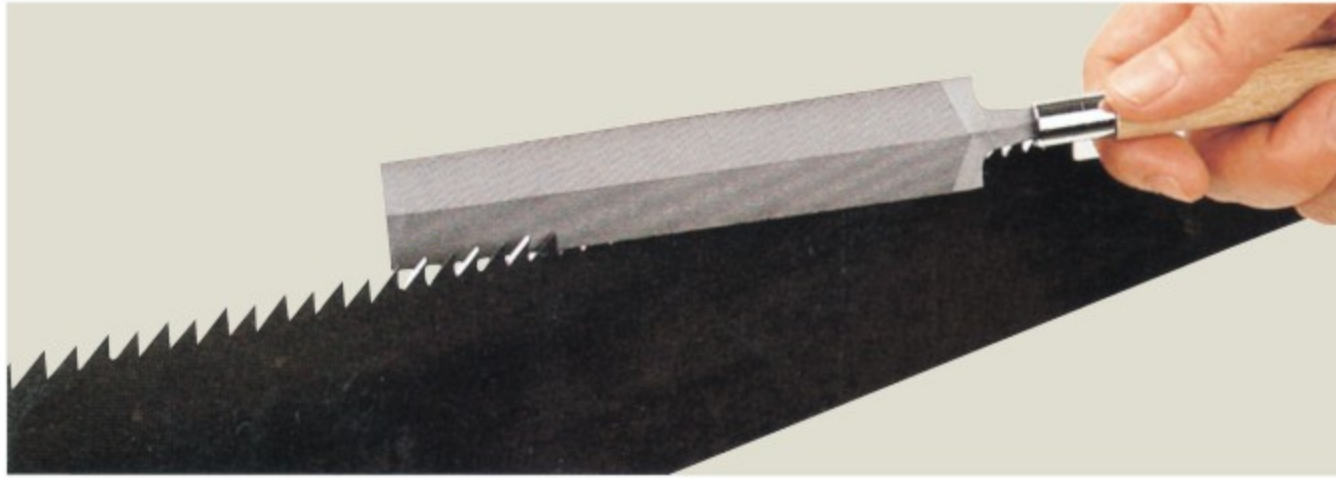


鑽石研磨膏 DIA PASTE

ITEM No .	Grid No .	用途 Fineness	淨含量 克/支
PC0.5	#60000	鏡面加工用	5
PC1.0	#25000	鏡面加工用	5
PC1.5	#8000	鏡面加工用	5
PC2.5	#4000	精密加工用	5
PC3.5	#3000	精密加工用	5
PC5.0	#2500	精密加工用	5
PC7.0	#1500	精密加工用	5
PC10	#1000	精密加工用	5
PC14	#800	一般拋光用	5
PC20	#650	一般拋光用	5
PC28	#500	預拋光用	5
PC40	#400	預拋光用	5
PC50	#300	預拋光用	5
PC60	#200	預拋光用	5

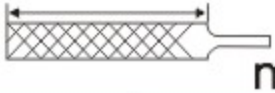



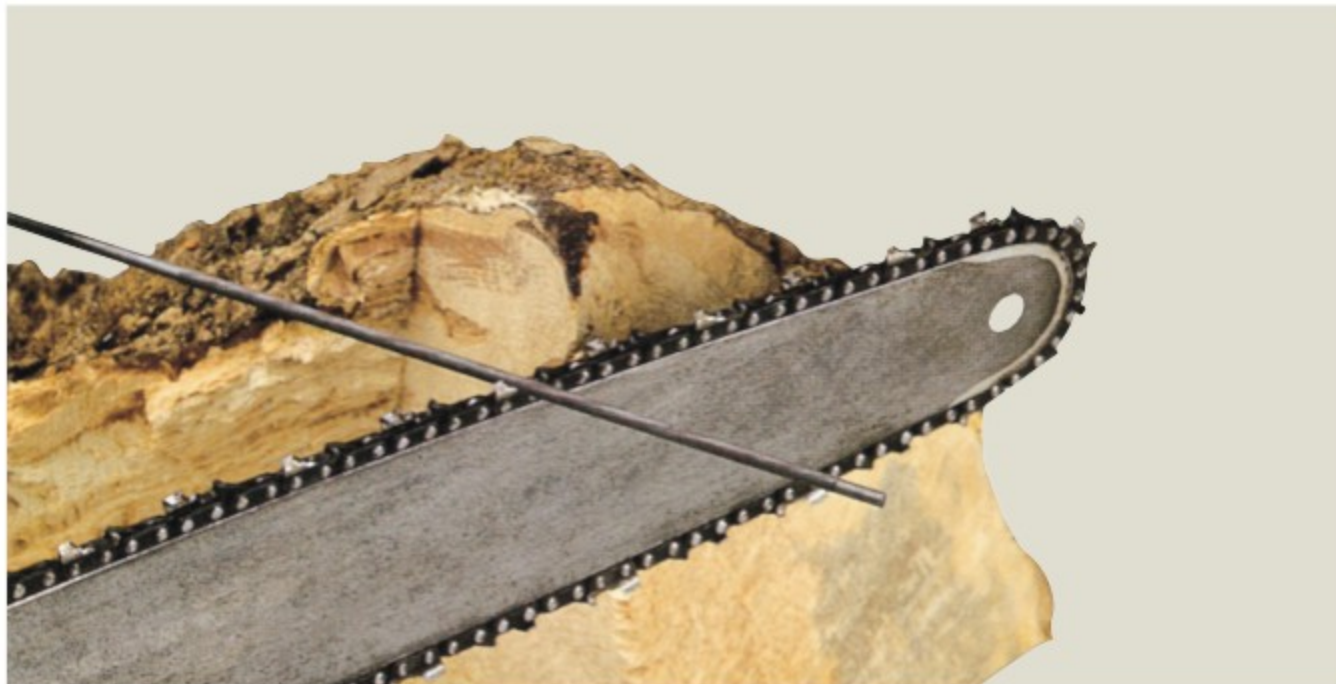
特種異型木銼 Riffler Rasps 8pcs/set
ITEM No. RASP8



菱形鋸銼 Feather Edge Saw Files

規格表 Standard Table

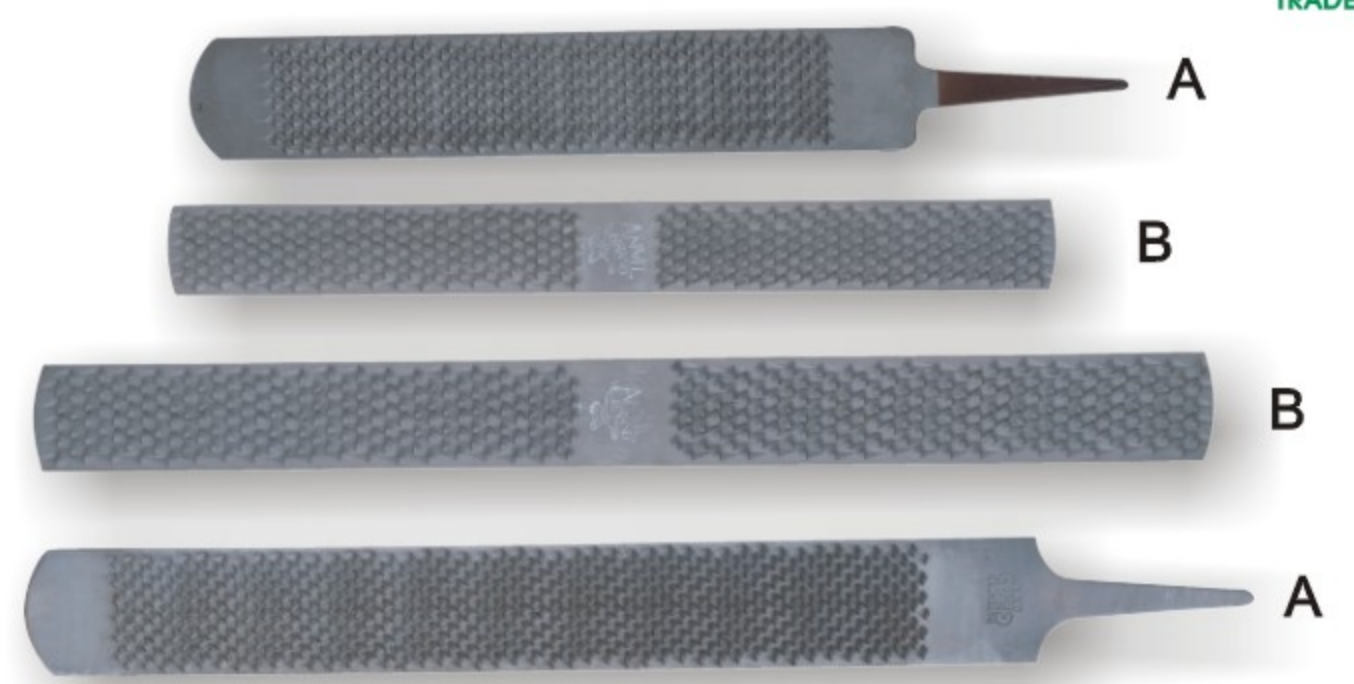
 mm		 WXT mm	ITEM No.
3"	75	17X2.3	RH075
4"	100	20X3.0	RH100
5"	125	25X3.5	RH125
6"	150	28X4.0	RH150
7"	175	28X4.0	RH175
8"	200	28X4.0	RH200



鏈鋸銼 Round Chain Saw Files

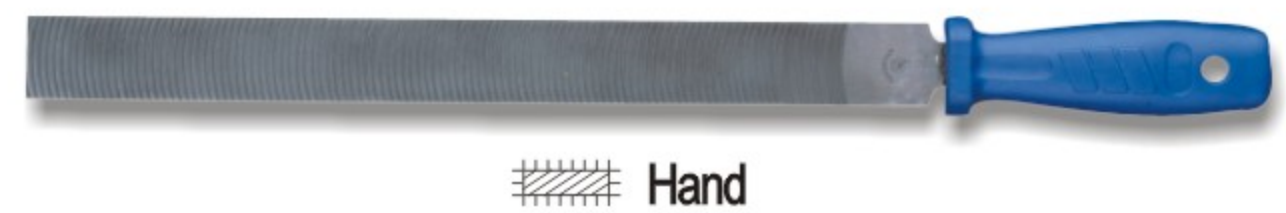
規格表 Standard Table

 mm	 ϕ mm	ITEM No.
200	$\phi 3.2$	MA03228
200	$\phi 3.5$	MA03528
200	$\phi 3.8$	MA03828
200	$\phi 4.0$	MA04028
200	$\phi 4.5$	MA04528
200	$\phi 4.7$	MA04728
200	$\phi 5.0$	MA05028
200	$\phi 5.5$	MA05528
200	$\phi 6.0$	MA06028
200	$\phi 6.3$	MA06328
200	$\phi 7.0$	MA07028
200	$\phi 8.0$	MA08028



馬蹄銼 Horse Rasps

Type A	ITEM No.	Type B	ITEM No.
250	HR250A	250	HR250B
300	HR300A	300	HR300B
350	HR350A	350	HR350B



 Hand



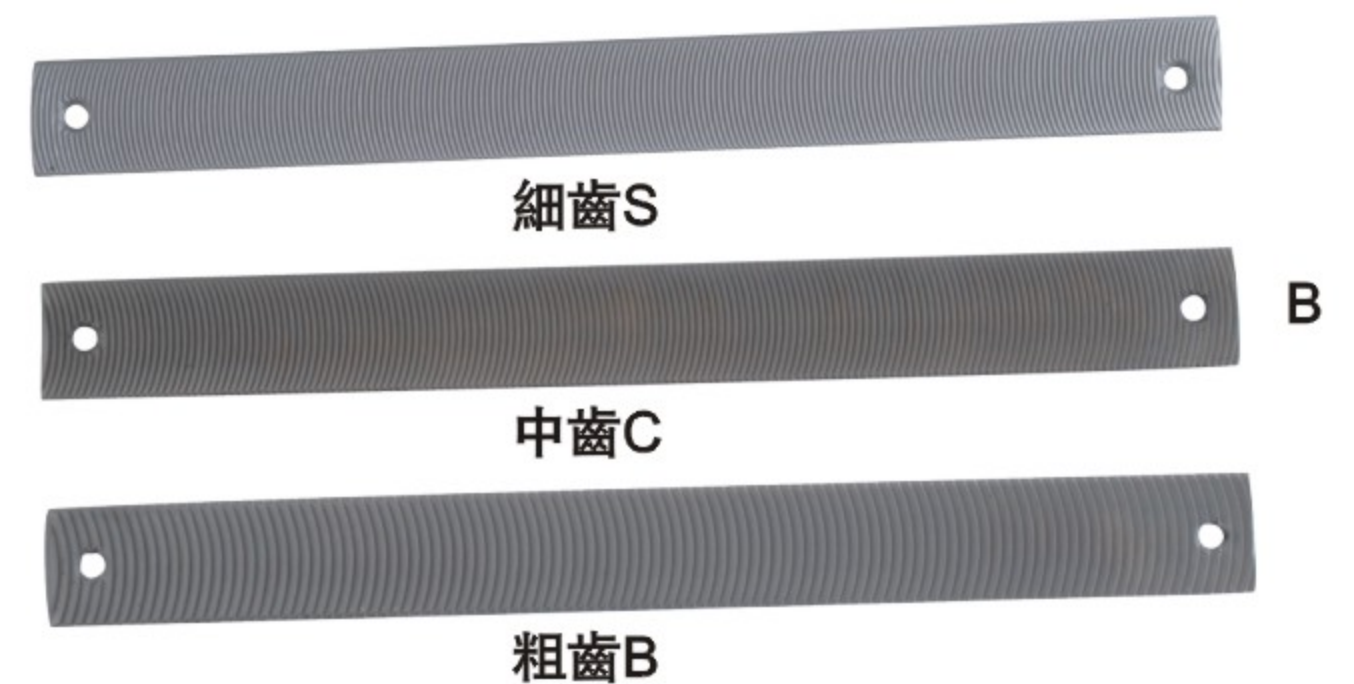
 Half Round

鋁板銼 Curred Tooth Files

Size	Hand: ITEM No.	Half Round: ITEM No.
8"	CT200HI	CT200HA
10"	CT250HI	CT250HA
12"	CT300HI	CT300HA
14"	CT350HI	CT350HA



A



細齒S

中齒C

粗齒B

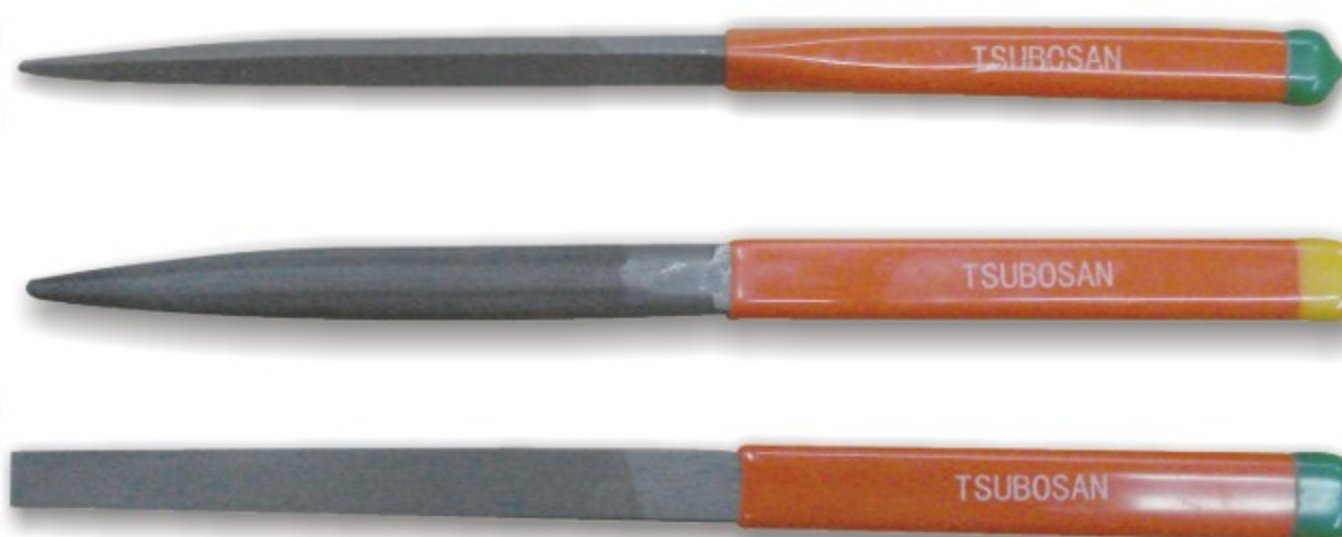
A、14"替刃 (可曲銼刀) 夾具
Curved Tooth File Holder
ITEM No. HO350M

B、14"替刃 (可曲銼刀)
Curved Tooth File
ITEM No. Fx350(B、C、S)



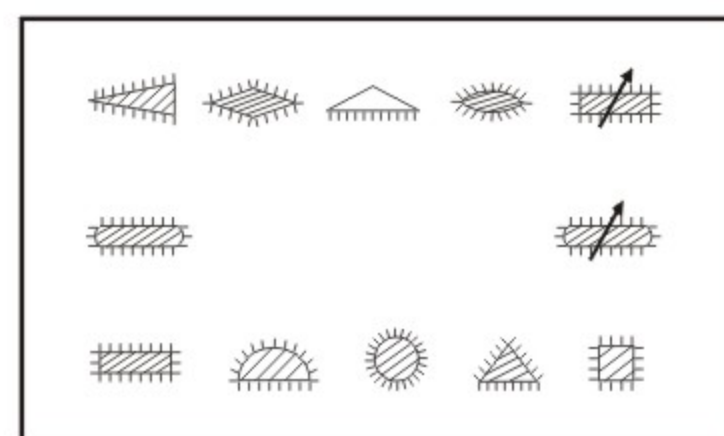
雕金銼 Chasing Files

ITEM No.	平 Hand	半丸 Half Round	丸 Round	三角 Triangular	竹葉 Flat Leaf
Size					
φ2X100	3號紋 20103HI	20103HA	20103MA	20103SA	20103ZY
	6號紋 20106HI	20106HA	20106MA	20106SA	20106ZY
φ2.5X140	3號紋 25143HI	25143HA	25143MA	25143SA	25143ZY
	6號紋 25146HI	25146HA	25146MA	25146SA	25146ZY
φ3X140	3號紋 30143HI	30143HA	30143MA	30143SA	30143ZY
	6號紋 30146HI	30146HA	30146MA	30146SA	30146ZY
φ3X160	3號紋 30163HI	30163HA	30163MA	30163SA	30163ZY
	6號紋 30166HI	30166HA	30166MA	30166SA	30166ZY
φ3.5X180	3號紋 35183HI	35183HA	35183MA	35183SA	35183ZY
	6號紋 35186HI	35186HA	35186MA	35186SA	35186ZY
φ4X200	3號紋 40203HI	40203HA	40203MA	40203SA	40203ZY
	6號紋 40206HI	40206HA	40206MA	40206SA	40206ZY



215紅柄銼 Red Handle Chasing Files

形狀 Shape	全長 Full Length	寬X厚 WXT	ITEM No.
平 Hand	215	11X3.5	HI-2152
中齒 Second			HI-2153
半丸 Half Round	215	13X3	HA-2152
中齒 Second			HA-2153
三角 Triangular	215	9X9	SA-2152
中齒 Second			SA-2153



φ 3.2 × 160 × 12支組精密銼刀 (雕金、精修用) Precision Needle Files 12 pcs/set

齒紋/Cutting No.	ITEM No.
中齒 #1	32161
細齒 #3	32163
油光齒 #6	32166



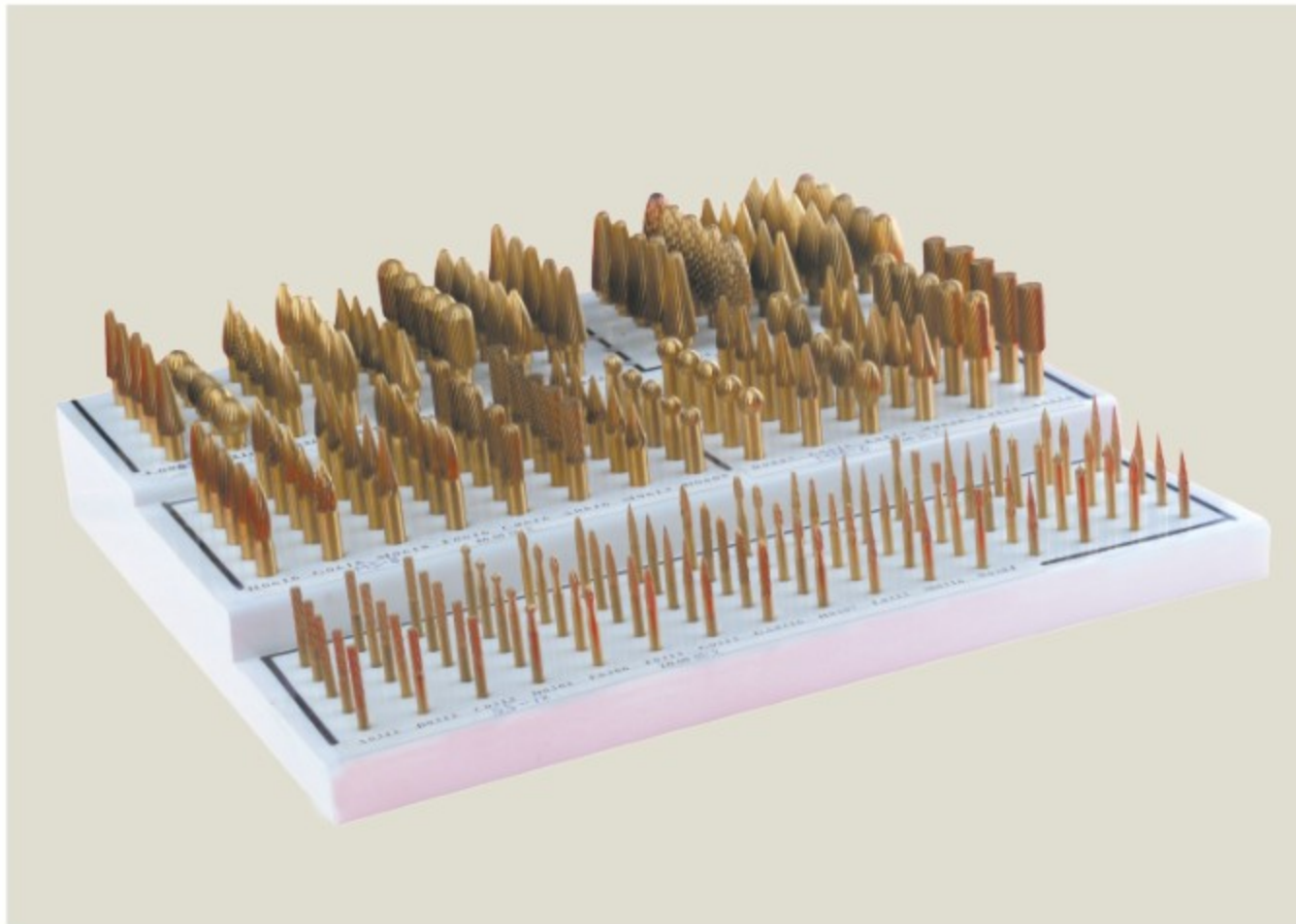
5"尖頭半圓銼(雕金、齒科用) 5"Angular Half Round Files(For Chasing、Dentistry) ITEM No.125PHA



6"尖頭三角銼(雕金、齒科用) 6"Angular Triangular Files(For Chasing、Dentistry) ITEM No.150PSA



205雙頭半圓蠟銼(雕金、齒科用) Dicephalous Half Round Chasing Files ITEM No.205DHA



鎢鋼旋轉銼 Carbide Rotary Files

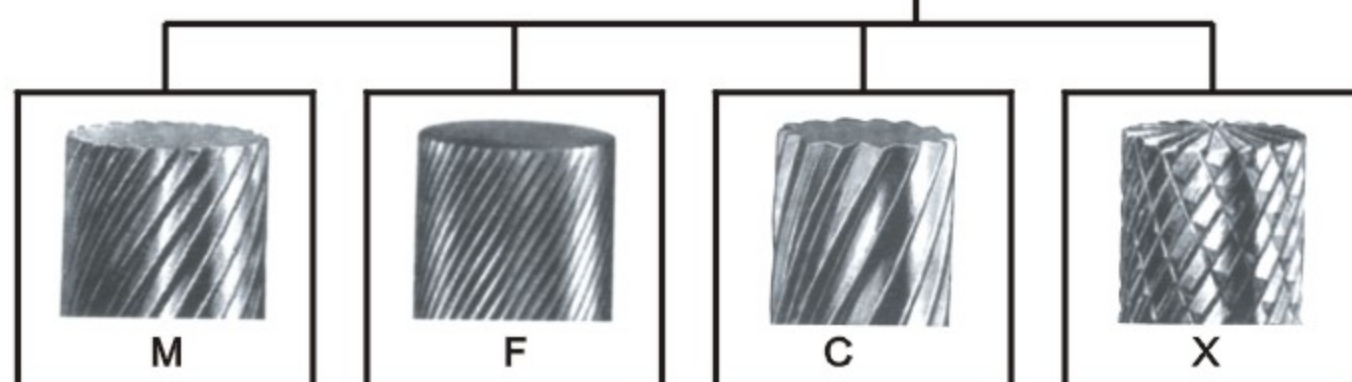
圖形	貨號 ITEM No.	刃徑 mm	刃長 mm	柄徑	總長
	A0313M03	3	13	3	40
	A0413M04	4	13	4	50
	A0616M06	6	16	6	56
	A0820M06	8	20	6	60
	A1020M06	10	20	6	60
	A1225M06	12	25	6	65
	A1425M06	14	25	6	65
	A1625M06	16	25	6	65
	A0804M06	8	4	6	44
	A1005M06	10	5	6	45
	A1205M06	12	5	6	45
	A1606M06	16	6	6	46
	B0313M03	3	13	3	40
	B0413M04	4	13	4	50
	B0616M06	6	16	6	56
	B0820M06	8	20	6	60
	B1020M06	10	20	6	60
	B1225M06	12	25	6	65
	B1425M06	14	25	6	65
	B1625M06	16	25	6	65
	C0313M03	3	13	3	40
	C0413M04	4	13	4	50
	C0616M06	6	16	6	56
	C0820M06	8	20	6	60
	C1020M06	10	20	6	60
	C1225M06	12	25	6	65
	C1425M06	14	25	6	65
	C1625M06	16	25	6	65
	D0302M03	3	2.7	3	40
	D0403M04	4	3.6	4	50
	D0605M06	6	5.4	6	45
	D0807M06	8	7.2	6	47
	D1009M06	10	9	6	49
	D1210M06	12	10.8	6	51
	D1412M06	14	12	6	52
	D1614M06	16	14.4	6	54
	E0306M03	3	2.7	3	40
	E0610M06	6	10	6	50
	E0813M06	8	13	6	53
	E1016M06	10	16	6	56
	E1220M06	12	20	6	60
	E1422M06	14	22	6	62
	E1625M06	16	25	6	65

圖形	貨號 ITEM No.	刃徑 mm	刃長 mm	柄徑	總長	錐度
	F0313M03	3	13	3	40	
	F0616M06	6	18	6	58	
	F0818M06	8	18	6	58	
	F1020M06	10	20	6	60	
	F1225M06	12	25	6	65	
	F1625M06	16	25	6	65	
	G0310M03	3	10	3	40	
	G0616M06	6	16	6	58	
	G0820M06	8	20	6	57	
	G1020M06	10	20	6	60	
	G1225M06	12	25	6	65	
	G1625M06	16	25	6	65	
	H0307M03	3	7	3	40	
	H0616M06	6	16	6	65	
	H0820M06	8	20	6	65	
	H1025M06	10	25	6	65	
	H1232M06	12	32	6	65	
	H1636M06	16	36	6	65	
	J0605M06	6	5.2	6	50	60°
	J0807M06	8	7	6	52	60°
	J1008M06	10	8.7	6	53	60°
	J1210M06	12	10.4	6	55	60°
	J1613M06	16	13.8	6	56	60°
	K0603M06	6	3	6	50	90°
	K0804M06	8	4	6	50	90°
	K1005M06	10	5	6	50	90°
	K1206M06	12	6	6	51	90°
	K1608M06	16	8	6	53	90°
	L0313M03	3	13	3	40	10°
	L0413M04	4	13	4	50	10°
	L0616M06	6	16	6	56	14°
	L0822M06	8	22	6	62	14°
	L1025M06	10	25	6	65	14°
	L1228M06	12	28	6	68	14°
	L1633M06	16	33	6	73	14°
	M0316M03	3	16	3	40	14°
	M0413M04	4	13	4	50	14°
	M0613M06	6	13	6	58	14°
	M0820M06	8	20	6	57	26°
	M1020M06	10	20	6	60	25°
	M1222M06	12	22	6	65	25°
	M1425M06	14	25	6	65	30°
	M1625M06	16	25	6	65	32°
	N0304M03	3	4.5	3	40	10°
	N1213M06	12	13	6	53	20°
	N1616M06	16	16	6	56	20°
	N1005M06	10	5	6	45	18°
	N1205M06	12	5	6	45	22°
	N1606M06	16	6	6	46	22°
	T0804M06	8	4	6	44	
	T1005M06	10	5	6	45	
	T1202M06	12	2	6	45	
	T1205M06	12	5	6	45	
	T1603M06	16	3	6	45	
	T1604M06	16	4	6	45	
	T1606M06	16	6	6	46	

定貨編號說明: Explanation Of Cut Type Rotary File:

例 (Exsample) A1225M06

字母 二位數字 二位數字 字母 二位數字
A 12 25 M 06
外型代號A 刃徑φ12mm 刃長25mm 齒型 (M為標準齒) 杆徑φ6mm



φ3 (柄徑) × 6 (刃徑) × 10支組 鎢鋼旋轉銼
Carbide Rotary Files 10 pcs/set
ITEM No.D6X03-10



φ6 (柄徑) × 12 (刃徑) × 10支組 鎢鋼旋轉銼
Carbide Rotary Files 10 pcs/set
ITEM No.D12X06-10



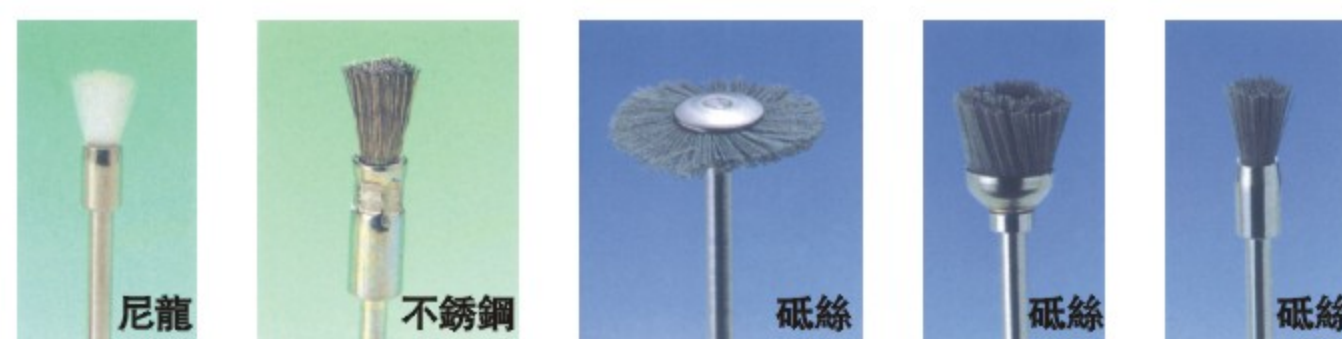
輪刷Brushes (選用高品質的材料制成)



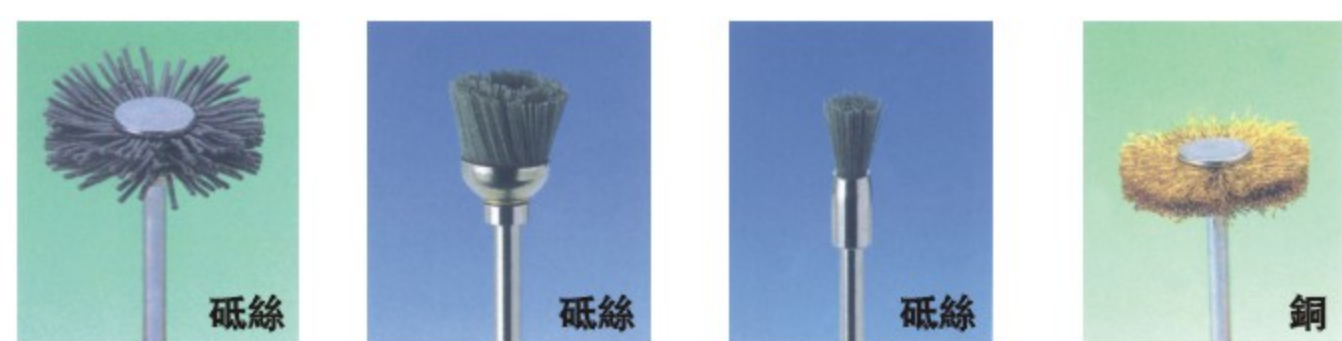
B15HH B20HH B23HH B25HH
B15HS B20HS B23HS B25HS
B15CH B20CH B23CH B25CH
B14CS B20CS B25CS



B5EH B8EH B10EH
B5HS B8ES B10ES
B23HN
B14CN



B5EN
B5EB B8EB B10EB
B23HD B25HD
B14CD B20CD B25CD
B5ED



B23HK B25HK
B14CK B20CK B25CK
B5EK B8EK B10EK
B20HA B23HA B25HA



B20HB B23HB B25HB
B14CA B20CA B25CA
B14CB B20CB B25CB
B5EA B8EA B10EA



牙刷柄油石 Hand Lapper

用途：高硬度鋼、硬質合金、玻璃、陶瓷等工具的修正。

Use: Modifying the edge of Twist-drill, Cutter, Knife, Scissors, Glass, Hard Metal, etc.

油石形狀 Shape	柄色 Handle Color	青 Blue	紅 Red	綠 Green
平/Hand		#180 HIL0180	#240 HIL0240	#320 HIL0320
半丸/HalfRound		#180 HAL0180	#240 HAL0240	#320 HAL0320
三角/Triangular		#180 SAL0180	#240 SAL0240	#320 SAL0320



來自日本砥源技術

TSUBOSAN  **壺三製造**

樹脂結合劑金剛石及立方氮化硼砂輪

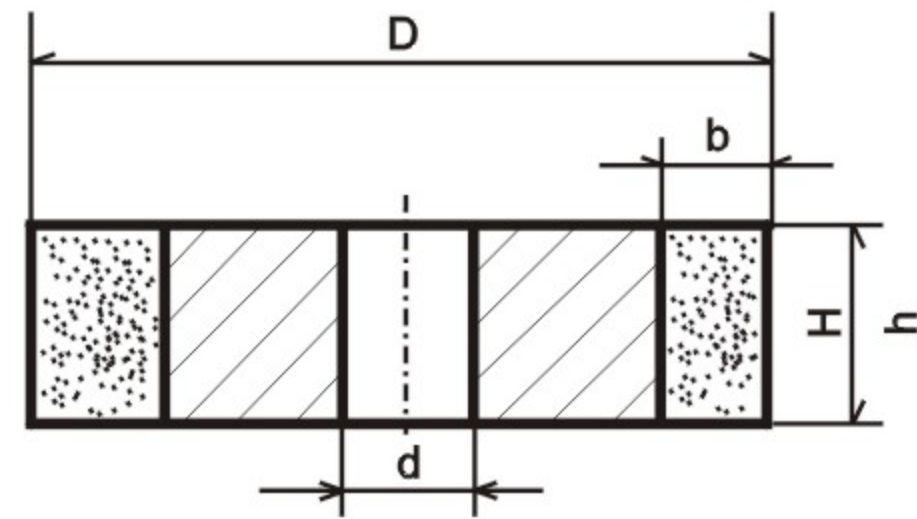
Diamond & CBN Grinding Wheels in Resin-Bond

金屬結合劑金剛石及立方氮化硼砂輪

Diamond & CBN Grinding Wheels in Metal-Bond

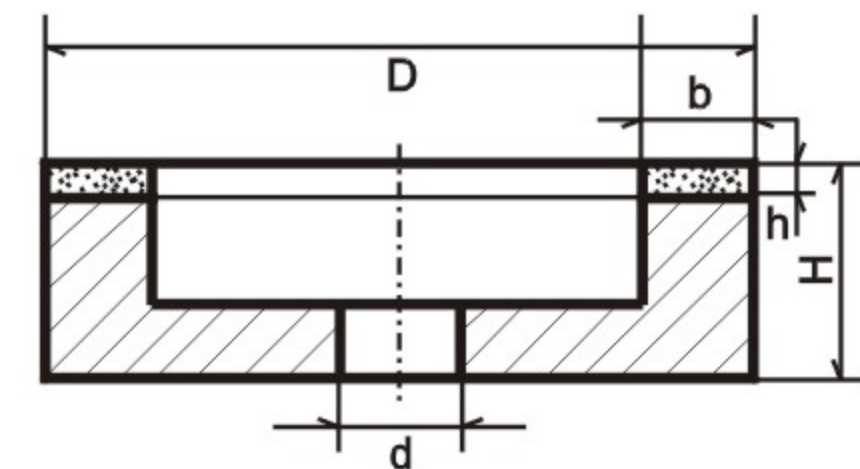
1、平行砂輪 形狀代號1A1

D	H	d	b
16~100	4~20	6~20	3~4
125~200	6~20	32, 75	4
250~300	10~25	75, 203	5



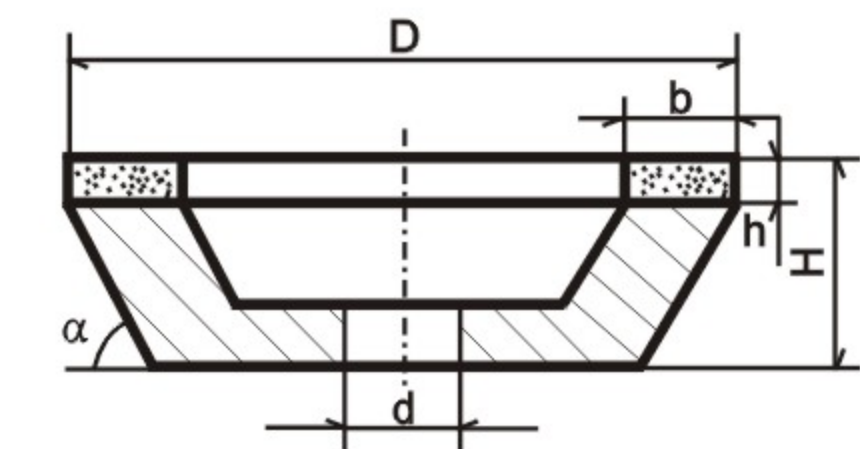
2、杯型砂輪 形狀代號6A2

D	H	d	b	h
75	16, 25	10, 20	3, 5	3
100	16, 32	20	5, 10	3
125	16, 32	32	5, 10	3~5
150	16, 32	32	5, 10, 20	3~5



3、碗型砂輪 形狀代號12A2

D	H	d	b	h	α
75	25	20	3, 5	3	45°
100	32	20	5, 10	3, 5	45°
125	32	32	5, 10	3, 5	45°
150	32	32	5, 10, 20	3, 5	45°



樹脂結合劑代號：R

金屬結合劑代號：M

定貨編號說明：

形狀・尺寸 (D・H・d・h) ・結合劑・金剛石或CBN粒度・金剛石濃度
 例：6A2・125 x 15 x 25 x 3 ・ R ・ 150 ・ 75

★ 承接各種規格定制。



硬銘鋸刀HV900 (HRC67)
特點：高硬度、不嵌屑



迷你桌虎鉗
Mini Table Vice
最大開口：40mm
鉗口寬：30mm
ITEM No.MTV



中型桌虎鉗
Fixed Table Vice
最大開口：40mm
鉗口寬：60mm
ITEM No. FTV



萬向桌虎鉗
Universal Table Vice
最大開口：50mm
鉗口寬：70mm
ITEM No.UTV



快速臺鉗
Quick Acting
Universal Vice
最大開口：70mm
鉗口寬：60mm
ITEM No. QAUV

TSUBOSAN FILE CO.,LTD 壺三銼刀有限公司

網站：<http://www.tsubosan.co.jp/>

吳市：kure@tsubosan.co.jp

東京：tokyo@tsubosan.co.jp

大阪：osada@tsubosan.co.jp

上海：yubao@sh163.net

代理商：

AGENT：



鑽床
Stand & Support
加工深度：60mm
ITEM No. DS43