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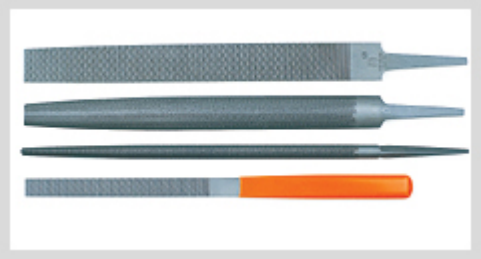
Технические характеристики на инженерные напильники UNI-CUT, по нержавеющей стали, по дереву, по пластику, по металлу, с двумя ручками компании TSUBOSAN

FILES FOR STAINLESS



Use

- Special materials are expensive steel SKS-eight species use.
- Suitable for material that hard to file cut.
- It is suitable for the accident grinding material such as stainless steels.

UNI-CUT FILES

Use

- Special materials are expensive steel SKS-eight species use.
- fine finishing by single-cut teeth and smooth filling by chip breakers
- used for soft metals, plastic

100mm ENGINEER'S FILES

Use

- wooden handle is used to each steel
- file second cut

FILE WITH BOTH HANDS

Use

- This steel file has 2 different roughness of bastard and Smooth cut on it's next face, and used by both hands.
- It's resulted that the work surface can be finished flatly without uneven roundness.
- Large surface width of a flat finish, file shop uses file!

FILES FOR PLASTICS

Use

- It is the best for the processing of plastic.

FILES FOR FIVE DIFFERENT USES

Use

- It is not easy to rust, and last long because the surface is statically electropainted.
- Five kinds of Use for both side of file such as metal, woodworking, and plastic.

CHASING FILES

Use

- For ART work of Precious Metals, Copper, Aluminum, Rubber, solid Wax, etc.

SUPER FINE ENGINEER'S FILES

Use

- Choose from Width hand ， narrow hand, round, , half round, uni-cut
- 1 set 12 Pcs. Please see standard table for detail.

SHAPE	ITEM No.	INCH	mm	W × T mm	目の粗さ Roughness									kg -doz	出荷単位 Order lot pcs	BOX pcs
平 幅広 (通常品) HAND																
	LP1163	6	150	18.5 × 4.0	000	00	0	1	2	3	4	5	6	1.25	1	12
		8	200	21.3 × 4.8	000	00	0	1	2	3	4		6	2.10		
		10	250	25.3 × 6.3	000	00	0	1	2	3	4			3.70	1	6
		12	300	29.3 × 7.8	000	00	0	1	2					6.50		
平 幅狭 REGULAR PILLAR 2 SIDES CUT																
	LP1132	6	150	12.0 × 4.0		00	0	1	2	3	4		6	0.75	1	12
		8	200	14.5 × 4.5		00	0	1	2	3	4		6	1.23		
		10	250	17.5 × 5.3		00	0	1	2	3	4			2.32	1	6
		12	300	19.3 × 6.3		00	0		2					3.60		
平 細幅狭 PILLAR EXTRA SLIME																
	LP1142	6	150	6.5 × 3.0		00	0	1	2					0.3	1	12
		8	200	8.3 × 3.8		00	0	1	2					0.6		
		10	250	9.3 × 4.3			0		2					1.1	1	6
平 極幅狭 PILLAR EXTRA EXTRA SLIME																
	LP1152	6	150	4.5 × 2.5		00	0	1	2					0.2	1	12
		8	200	6.3 × 2.8		00	0	1	2					0.4		
		10	250	9.3 × 4.3		00	0		2					0.8	1	6
半丸 HALF ROUND																
	LP1560	6	150	15.1 × 4.7	000	00	0	1	2	3	4	5	6	0.77	1	12
		8	200	21.1 × 8.3	000	00	0	1	2	3				1.72		
エンビ CROSSING																
	LP1960	6	150	14.8 × 5.0		00	0	1	2	3	4		6	0.77	1	12
		8	200	21.3 × 6.3		00	0	1	2	3	4			1.72		
万能目 平 HAND																
	LP5070	8	200	21.3 × 4.8	万能目 Multicut									1.25	1	12
		10	250	25.3 × 6.3										2.10		
		12	300	29.3 × 7.8										3.70		6

●これ一本で荒削りから仕上げまで出来る万能ヤスリです。
● This multicut are availed for both rough shaving and smooth shaving.

目の粗さ表　CUTTING NO.TABLE

（ ）内は１cm当たりの目のカット数を示します。

	荒目相当 Rough	中目相当 Second	細目相当 Smooth	油目相当 Dead-Smooth
150 mmサイズ	000 (12)	00 (16)	1 (25)	3 (38)
200 mmサイズ	000 (12)	00 (16)	0 or 1 (20 or 25)	2 (31)
250 mmサイズ	000 (9)	0 (16)	1 (20)	2 or 3 (25 or 31)

バローベ社製品は目の粗さを番手で表します。上表をご参考の上、ご注文は番手でご指定ください。

注文例(Order No. ex.)

平型 250 mm中目相当

バローベ　LP1163 - 10 - 00

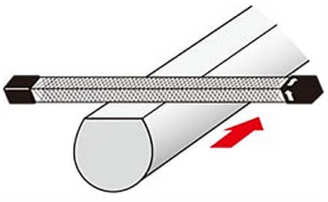
型番　インチサイズ　目の粗さ

もろ手ヤスリ FILE WITH BOTH HANDS 804

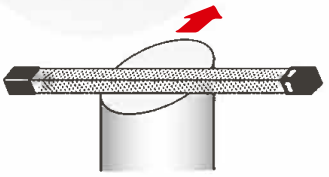
■特　長
●大きな面幅の平面仕上げに。ヤスリ屋が使うヤスリ！

■用　途
●切削キズのキズ取り、面取り。
●サンダ掛け後の平面ならし。
➡印の方向に押して、ご使用下さい。

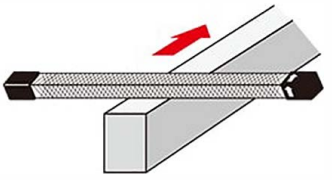
■ Use : This steel file has 2 different roughness of Bastard and Smooth cut on it's next surface, and used by both hands.
Then it's resulted that the work surface can be finished flatly without uneven roundness.
It's Direction ➡ only can be cut.



●丸材の面取りに！
Facing the round bar.



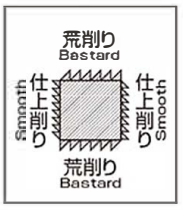
●端面の仕上げに！
Facing the edge side.



●長手材の平滑仕上げに！
Facing the front side.

規格表　STANDARD TABLE

DIMEN-SION / TYPE	L	ℓ	A mm	W mm	BOX pcs	kg-doz	ITEM NO.
100 mm	260	100	80	8	6	2.6	KA 100WH
150 mm	330	150	90	10	6	4.4	KA 150WH
200 mm	400	200	100	12	6	7.0	KA 200WH



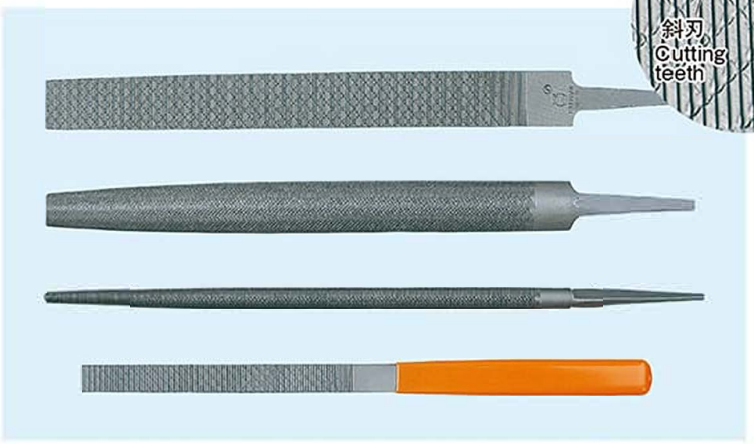
●断面図のように隣り合う面で、荒削り用と仕上削り用に目のピッチが異なっております。荒掛け、仕上掛けが１本のヤスリで可能です。
● Rough and finished filing can be worked by only one steel file.

規格表　STANDARD TABLE

DIMEN-SION / TYPE	L	A	B mm	W×T mm	BOX pcs	kg-doz	ITEM NO.
300 mm	250	70	135	30 × 5	6	5.0	HI 300WH

目の拡大図

ステンレス（切削用）ヤスリ FILES FOR STAINLESS STEEL 030

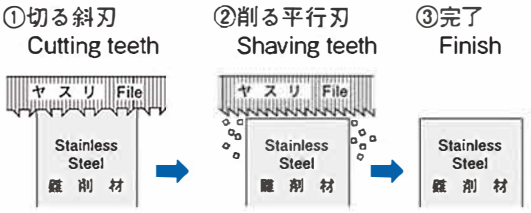


■特　長

- 素材は特殊高級鋼材 SKS-8 種を使用。
- 斜刃の働きにより、難削材に切り込みが入り、平行刃でなめらかな仕上り。
- ステンレス鋼などの難削材に適しています。

■ **Material** : SKS-8 (JIS)

■ **Use** : For stainless steel



規格表　STANDARD TABLE

INCH	mm	mm	BOX pcs	平 HAND W × T mm	kg-doz	ITEM NO.	半丸 HALF ROUND W × T mm	kg-doz	ITEM NO.	丸 ROUND W mm	kg-doz	ITEM NO.
6	150	40	6	16 × 4	0.92	HI 15005	16 × 5	0.88	HA 15005	φ 6	0.52	MA 15005
8	200	50	6	21 × 5	1.94	HI 20005	21 × 6	1.88	HA 20005	φ 8	1.10	MA 20005
10	250	60	6	25 × 6	3.36	HI 25005	25 × 7	3.16	HA 25005	φ10	2.04	MA 25005

5本組 5-PCS 平 HAND	mm	1set pcs	BOX (=5sets) pcs	W × T mm	kg-doz	ITEM NO.
	215	5	25	11 × 3.5	1.48	HI 00505

目の粗さ表　CUTTING No. TABLE

150mm cuts/cm	200mm cuts/cm	250mm cuts/cm	5本組 cuts/cm
13	12	11	10

プラスチックヤスリ FILES FOR PLASTIC 810

■用　途
●プラスチックの加工をするのに最適です。

■ Use : For Plastic.

規格表　STANDARD TABLE

TYPE \ DIMENSION	L mm	W × T mm	BOX pcs	kg-doz	ITEM NO.
P1	235	21 × 3.5	12	1.52	HIP 1 ＊＊
P2	235	16 × 3.0	12	0.99	HIP 2 ＊＊
P3	220	11 × 3.0	12	0.82	HIP 3 ＊＊

ITEM No. ＊＊ assorted

	荒目 Bastard	中目 Second	細目 Smooth
＊＊	11	12	13

五徳万能ヤスリ FILES FOR FIVE DIFFERENT USES 820

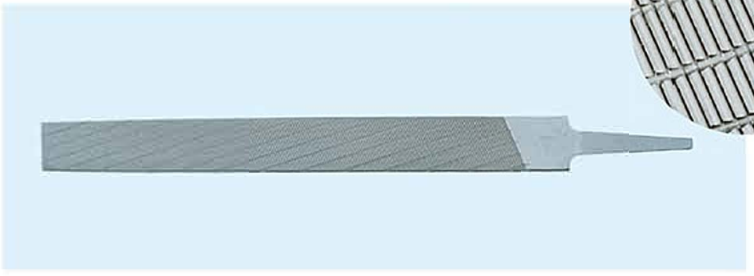
規格表　STANDARD TABLE

L mm	W × T mm	kg-doz	ITEM NO.
220	21 × 5	2.0	HIB 220

■用　途
●表面を静電塗装してありますので、錆びにくく、長持ちします。
●金属、木工、プラスチック等、裏表５種類のヤスリの使い方ができます。

■ Use : For Metal, Wood, Plastic, etc.

ユニカット万能ヤスリ UNI-CUT FILES 040



■特　長
●素材は特殊高級鋼材 SKS-8 種を使用。
●単目の仕上り感にチップブレーカー溝が機能。
●ダイカストから、軽合金、プラスチックまで使えます。

■ Material : SKS-8（JIS）

■ Use : For steel, soft metals.
Fine finishing by single-cut teeth, and smooth filing by chip breakers.

規格表　STANDARD TABLE

INCH	mm	W × T mm	kg-doz	ITEM NO.
8	200	21 × 5	1.72	HI 20015

目の粗さ表　CUTTING No. TABLE

200mm cuts /cm	5本組 cuts /cm
10	11

組タイプ
（P.18）
DIE SINKERS TYPE

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