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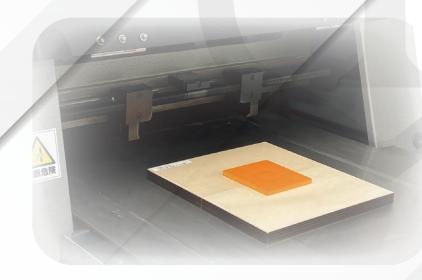




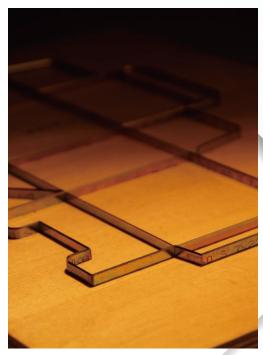


We are pioneers of Cutting Rules.

We have been developing TSUKATANI's unique technologies and providing high quality products in the ever-growing fields of "Cutting". We will have such technologies incorporated faster in our products by reliable engineers so as to create more comfortable manufacturing environment for our customers with the corporate vision "All technologies belong to the benefit of all customers", aiming to provide TSUKATANI's own optimal steel cutting rules on which no one's ever worked.









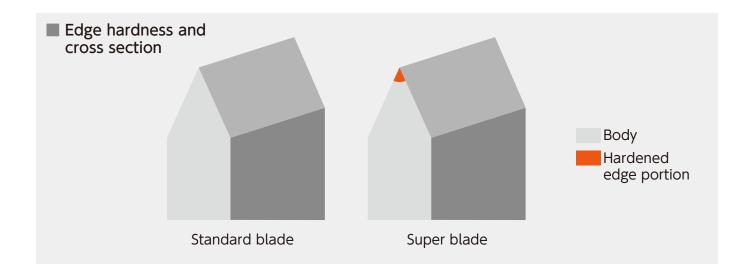
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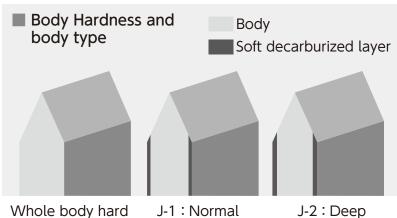
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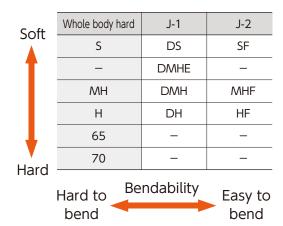
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Hardness



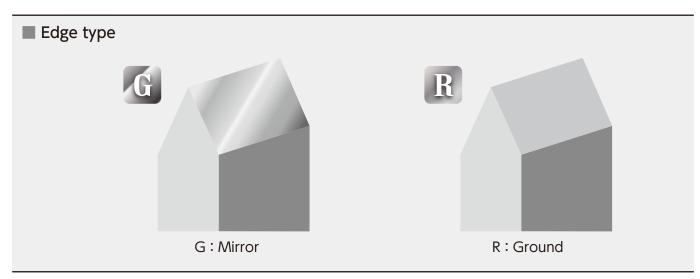






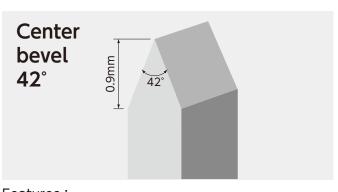
■ Conversion tables

HS	40	45	50	55	60	65	70	75	80
HV	280	320	360	400	450	490	550	620	670
HRC	27.4	32.4	36.7	40.8	45.5	48.4	52.6	56.2	59.2

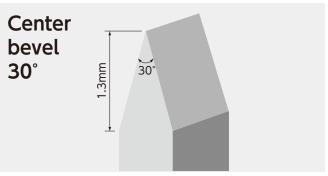


Edge profile

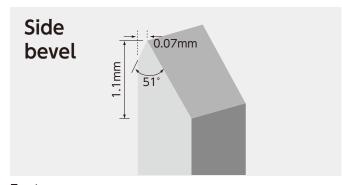
[Thickness:0.71mm]



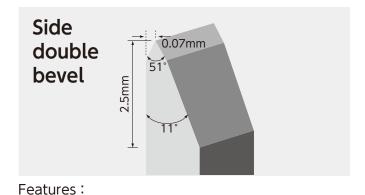
Features: The most standard profile of 42 degrees center bevel.



Features: The profile of 30 degrees center bevel suitable for cutting special films, tacky films, and other materials required sharpness.



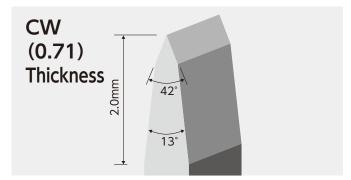
Features: The profile of 51 degrees side bevel suitable for packing, and gaskets, and cutting the outer form directly.



The profile of 51 degrees side double bevel suitable for cutting the outer form directly and deburring, similar to side bevel.

Center double bevel 14°

Features: The profile of 55 degrees center double bevel suitable for cutting thick multilayered papers and other materials requiring durability.



Features:

The profile of 42 degrees center double bevel suitable for cutting thick multilayered papers and other materials requiring durability.

Quality control

super G type

The super G type is our original product. TSUKATANI mirror-like finishing to provide an exceedingly sharp edge, thus eliminating damage to objects to be cut and reducing cutting force. The mirror-like finishing has effect in providing smooth and beautiful cut surface and also preventing printed material from peeling or detaching, which can not be obtained by grinding process only.

super G type: Mirror-like finished portion



Label rule

Thislyness (name)	Codo	Hardness (Hs)			Drafila
Thickness (mm)	Code	Body	Edge		Profile
			8.00	CB42°	
0.45	0.45 DS-80	50	80	9.50	CB42°
				12.00	CB42°

■ Steel cutting rule

Thisler ()	Carla	Hardne	ess (Hs)		Drafile
Thickness (mm)	Code	Body	ody Edge Height (n		Profile
	DC 70	46	70	22.60 22.00	CB30°
	DS-70	46	70	23.60 23.80	CB42°
	DH 90	60	80	23.60 23.80	CB30°
0.71	DH-80		80		CB42°
	MHF-80	E.O.	80	22.60 22.80	CB30°
	/VIПГ-6U	53	00	23.60 23.80	CB42°
	MHF-80B	53	76	23.60 23.80	ISDB36°G-G
	DMH-80B	53	76	23.60 23.80	ISDB30°G

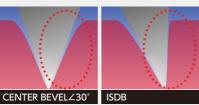
- The standard length is 915mm. Special request to make 1220mm, coil products, or lengths.
- Different heights and hardness are available.

ISDB

Features:

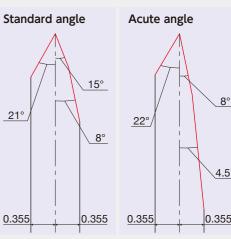
products straight.

It prevents the bent round corner and the cutting rule from leaning down and easy to make die flat adjustment.



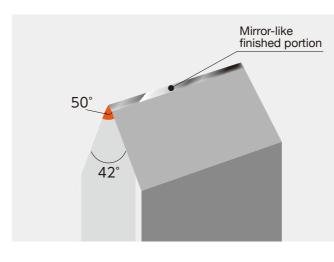


Mirror-like finished portion ISDB is a product combined strong points of CB, SB and SDB. The edge top exists on the center of rule thickness, it is easily replaced in case using CB. It can cut hard and thick



super WG type : Prevent paper dust





The super WG type has been developed for the prevention of paper particulates. We apply mirror-like finishing to the first bevel out of the double bevel rule profile to provide an optimal wear status for the edge without degrading the sharpness of the edge, thus making it possible to prevent paper particulates from being produced from paper containers or package.

Thisks are (name)	Hardness (Hs)			I la i mlat (na ma)	Drofilo			
Thickness (mm)	Code	Body	Edge Height (mm)		Profile			
0.74	LIE OOD	60		22.60 22.00	CDB50°			
0.71	HF-80B	60	76	23.60 23.80	NEW WAVE2P			
0.00	DAALL 7E	53	DA411.75 F2	DANU 75 50 75	75	22.60 22.00	CDB50°	
0.90	DMH-75		75	23.60 23.80	NEW WAVE2P			
1.07	DAALL 7E	DMH-75 53 75					00.60.00.00	CDB60°
1.07	DIMH-75		23.60 23.80	NEW WAVE2P				

- The standard length is 915mm. Special request to make 1220mm, coil products, or lengths.
- Available to make new wave rules. (3P,4P)

Steel cutting rule

■ Center bevel



■ Super blade

biolopos (m. m.)	Code	Hardness (Hs)		Lloight (mans)	Duefile
hickness (mm)	Code	Body	Edge	Height(mm)	Profile
	S-70	47	70	23.60 23.80	CB42°
0.45	H-80	60	80	23.60 23.80	CB42°
0.45				23.50	CB42°
	DS-70	46	70	23.60 23.80	CB30° CB42°
	S-70	42	70	23.60 23.80	CB42°
	MH-80	53	80	23.60 23.80	CB42°
	H-80	60	80	23.60 23.80	CB30° CB42°
	65-80	65	80	23.60 23.80	CB42°
				22.40	CB42°
				23.30	CB42°
			70	23.40	CB42°
	DS-70	46		23.44	CB42°
				23.50	CB42°
0.71				23.60 23.80	CB30° CB42°
	DS-80	46	80	23.60 23.80	CB42°
	DH-70	60	70	23.60 23.80	CB42°
	DH-80B	60	76	23.60 23.80	CB42°
	DH-80	60	80	23.60 23.80	CB30° CB42°
				23.44	CB42°
	SF-70	46	70	23.50	CB42°
	31 -7 0	40	70	23.60 23.80	CB42°
	MHF-80B	53	76	23.60 23.80	CB42°
	HF-80	60	80	23.60 23.80	CB42°
	S-70	42	70	23.60 23.80	CB42°
	S-80	42	80	23.60 23.80	CB42°
0.90	DMH-70	53	70	23.60 23.80	CB42°
	DH-70	60	70	23.60 23.80	CB42°
1.00	S-70	47	70	23.60 23.80	CB42°

■ Center double bevel



■ Super blade

This large and (see also	Carla	Hardness (Hs)		11-1-1-1-1-1-1	Due file	
Thickness (mm)	ess (mm) Code	Body	Edge	Height (mm)	Profile	
	S-70	42	70	23.60 23.80	CW42° CDB55°/52°	
	65-80	65	80	23.60 23.80	CW42° CDB55°/52°	
0.71	DH-80B	60	76	23.60 23.80	CW42° CDB55°/52°	
	DH-80	60	80	23.60 23.80	CW42° CDB55°/52°	
	HF-80	60	80	23.60 23.80	CW42° CDB55°/52°	
0.90	S-70	42	70	23.60 23.80	CDB55°	
0.90	DMH-70	53	70	23.60 23.80	CDB55°	

[•] The standard length is 915mm. Special request to make 1220mm, coil products, or lengths.

■ Side bevel



Super blade

This law and (many)	Codo	Hardness (Hs)		Llaight (nama)	Duckila
Thickness (mm)	Code	Body	Body Edge Height(mm)	Height (mm)	Profile
0.71	S-70	42	70	23.60 23.80	SB51°
0.71	H-80	60	80	23.60 23.80	SB51°

[•] The standard length is 915mm. Special request to make 1220mm, coil products, or lengths.

■ Side double bevel



Super blade

TI: 1 ()	Code	Hardne	Hardness (Hs)		D (''			
Thickness (mm)	Code	Code Body	Edge	Height (mm)	Profile			
	S-70	42	70	23.60 23.80	SDB51°			
0.71	H-80	60	80	23.60 23.80	SDB51°			
	65-80	65	80	23.60 23.80	SDB51°			

[•] The standard length is 915mm. Special request to make 1220mm, coil products, or lengths.

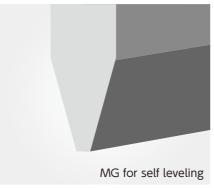
MG knife



Features: The MG knife is steel cutting rule with a special back profile easy to fit to the back plate so that die cutting is enabled in a balanced manner. This type of steel cutting rule is effective in shortening time to remedy uneven cutting.

Thickness	Hardness (Hs)		Height	
(mm)	Code	Body	Edge	(mm)
	D4075	40	75	23.65 23.85
0.71	DS-70	46	70	23.65 23.85
	SF-80	46	80	23.65 23.85

The standard length is 915mm. Special request to make 1220mm, coil products, or lengths.

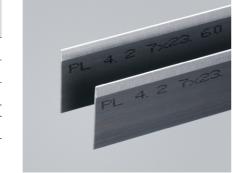


PL blade

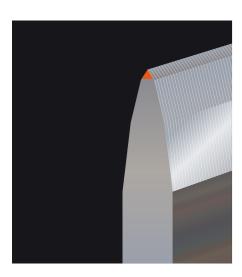


Features: The PL blade is a steel cutting rule developed to die cut thin plywood and jigsaw puzzles. Since the PL Blade has triple long bevel profile with a long edge portion, it is able to cut thick materials such as Styrofoam and cushions without causing cut resistance.

Thickness	Codo	Hardness (Hs)		Height	Profile	
(mm)	Code	Body	Edge	(mm)	Profile	
	Н	60		23.60 23.80	CTB(4.2)	
0.71	S-70	42	70	23.60 23.80	CTB(4.2)	
	H-80	60	80	23.60 23.80	CTB(4.2)	
1.00	DMH-70	53	70	23.60 23.80	CDB(4.2)	



- The standard length is 915mm. Special request to make 1220mm, coil products, or lengths.
- Inside the () stands for the length of the bevel.



IPL blade Purposes

Cut materials:

- * Paper + laminated film
- * Paper packaging + laminated film
- * Card board + cardboard with film
- * Cigarette boxes + laminated film
- * Pharmaceutical boxes + laminated film
- * Corrugated boxes board
- * Leather
- * Plastic: PP, PVC, PET, foam
- * Gaskets
- * Electronics: Film

Coated rule : Anti-adhesive

Features: Each coating has anti-adhesive coating layer at edge. It can reduce cutting defect caused by adhesion. TK coating rule is not coated 0.1mm~0.7mm from the tip.

Thickness (mm)	Carla	Hardness (Hs)		11-1-1-1-1-1-1-1	D., - £1 -	
	Code	Body	Edge	Height (mm)	Profile	
	F Coating	46	70	23.60 23.80	CB42° Fluorine coating	
0.71	TX Coating	46	70	23.60 23.80	CB42° Fluorine coating	
0.71	TK Coating	46	70	23.60 23.80	CB42° Silicone coating (tip sheltered)	
	B-BLAST	46	70	23.60 23.80	CB42° Silicone coating	

• F coating and TX coating is 915mm, TK coating and B-BLAST is 1200mm.

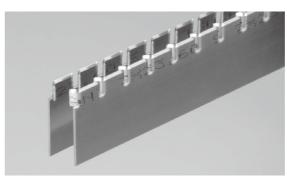
For display films For thick adhesive materials For high adhesive films Ultimate durability For low adhesive films TK coating **B-BLAST** Titanium F coating TX coating Material: Fluorine Material: Fluorine Material: Silicon Material: Silicon Material:Tin Film thickness: 10um Film thickness: 1um Film thickness: 10um Film thickness: 10um Film thickness: 1µm~3µm Tip:Coated Tip: Non-coated Tip:Coated Tip:Coated Tip:Coated Non- adhesive: ✓ Non- adhesive: ✓ For extra longevity Non- adhesive: ✓ Non- adhesive: ✓ Cleaning: Using thinner✓ Cleaning: Using thinner√ Cleaning: Using thinner× Cleaning: Using thinner√ Cleaning: Using thinner√

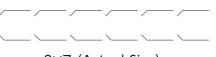
Zipper rule



This law and (man)	Carla	Hardness (Hs)		11-1-1-1-1-1-1-1	Dura filla	
Thickness (mm)	Code	Body	Edge	Height (mm)	Profile	
	2×7	4	42		CB42°	
	3×4	4	2	23.60 23.80	CB42°	
	3×5	4	2	23.60 23.80	CB42°	
0.71	3×6	42		23.60 23.80	CB42°	
0.7 1	3×7	4	2	23.60 23.80	CB42°	
	3×8 3×9		2	23.60 23.80	CB42°	
			42		CB42°	
	3×10	4	42		CB42°	

- All the product is metal plated.
- To be able to make the tip-hardened products.





2×7 (Actual Size)

3×7 (Actual Size)

New wave rule

R

Cut Crease

		á	ú	h
	Ī	D		
	ı		1	

Th: -1 /	C- d-	Hardne	Hardness (Hs)			D £1 -	
Thickness (mm)	Code	Body	Edge	Pitch	Height(mm)	Profile	
				1P	23.60 23.80	CB42°	
0.71	S-70	42	70	2P	23.60 23.80	CB42°	
0.71	3-70	42	70	3P	23.60 23.80	CB42°	
				4P	23.60 23.80	CB42°	
				1P	23.60 23.80	CB42°	
			2 70				
0.90	S-70	42		2P	23.60 23.80	CB42°	
				3P	23.60 23.80	CB42°	
				4P	23.60 23.80	CB42°	
				10	22.60 22.00	CDEO°	
				1P	23.60 23.80	CB50°	
1.07	S-70	43	70	2P	23.60 23.80	CB50°	
1.07	3-70	43	/0	3P	23.60 23.80	CB50°	
				4P	23.60 23.80	CB50°	

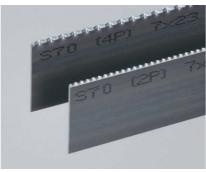
• The standard length is 915mm.

IP	
2P	~~~~~



(Actual tip wavyline: Thickness 0.71mm)





Double Deckle: Wave process for cutting corrugated boards

Feature: Random wave edges reduce injury on finger from corrugated boards after cutting.





Benefit:

For better creasing in corrugated and fiber hoards.

Edge hardend wave rules offer perfect bendability and high wear resistance.

The wave prevents iujury.

Standard Wave

Can be offered from 1 coil.

Random wave allows smoother and safer cut surface



Thickness (mm)	Cut×Crease (mm)	Blade height (mm)	Crease height (mm)	Hardness (Hs)	Profile
	2×2	23.60 23.80	23.00 23.10 23.30	60	CB42°
	3×3	23.60 23.80	23.00 23.10 23.30	60	CB42°
	4×4	23.60 23.80	23.00 23.10 23.30	60	CB42°
	5×5	23.60 23.80	23.00 23.10 23.30	60	CB42°
	5×10	23.60 23.80	23.00 23.10 23.30	60	CB42°
	6×6	23.60 23.80	23.00 23.10 23.30	60	CB42°
	7×7	23.60 23.80	23.00 23.10 23.30	60	CB42°
0.71	8×8	23.60 23.80	23.00 23.10 23.30	60	CB42°
-	9×9	23.60 23.80	23.00 23.10 23.30	60	CB42°
	10×5	23.60 23.80	23.00 23.10 23.30		CB42°
	10×10	23.60 23.80	23.00 23.10 23.30		CB42°
	10×15	23.60 23.80	23.00 23.10 23.30		CB42°
	10×20	23.60 23.80	23.00 23.10 23.30		CB42°
	10×30	23.60 23.80	23.00 23.10 23.30		CB42°
	15×15	23.60 23.80	23.00 23.10 23.30		CB42°
	15×20	23.60 23.80	23.00 23.10 23.30		CB42°
	13/20	25.00 25.00	25.00 25.10 25.50	00	CD4Z
	5×5	23.60 23.80	23.00 23.10 23.30	53	CB42°
	5×10	23.60 23.80	23.00 23.10 23.30	53	CB42°
0.90	10×10	23.60 23.80	23.00 23.10 23.30	53	CB42°
	10×15	23.60 23.80	23.00 23.10 23.30	53	CB42°
	10×20	23.60 23.80	23.00 23.10 23.30	53	CB42°
	10×30	23.60 23.80	23.00 23.10 23.30	53	CB42°
	15×15	23.60 23.80	23.00 23.10 23.30	53	CB42°
	20×20	23.60 23.80	23.00 23.10 23.30	53	CB42°
	5×5	23.60 23.80	23.00 23.10 23.30) 47	CB42°
	10×10	23.60 23.80	23.00 23.10 23.30		CB42°
1.00	10×15	23.60 23.80	23.00 23.10 23.30		CB42°
1.00	10×13	23.60 23.80	23.00 23.10 23.30		CB42°
	15×15	23.60 23.80	23.00 23.10 23.30		CB42°
	15/15	23.00 23.00	23.00 23.10 23.30	7	CD-72
	5×5	23.60 23.80	23.00 23.10 23.30) 43	CB50°
	10×10	23.60 23.80	23.00 23.10 23.30		CB50°
1.07	10×15	23.60 23.80	23.00 23.10 23.30		CB50°
	10×20	23.60 23.80	23.00 23.10 23.30		CB50°
	15×15	23.60 23.80	23.00 23.10 23.30) 43	CB50°
	5×5	23.60 23.80	22.83 23.10) 45	CB50°
	5×10	23.60 23.80	22.83 23.10		CB50°
	10×10	23.60 23.80	22.60 22.83 23.10		CB50°
	10×15	23.60 23.80	22.60 22.83 23.10		CB50°
1.42	10×13	23.60 23.80	22.60 22.83 23.10		CB50°
2	15×15	23.60 23.80	22.60 22.83 23.10		CB50°
		23.60 23.80	22.60 22.83 23.10		
	15×20				CB50°
	20×20	23.60 23.80	22.60 22.83 23.10		CB50°
	20×30	23.60 23.80	22.60 22.83 23.10) 45	CB50°

- The standard length is 915mm.
- To be able to make the edge hardened products and coil products.

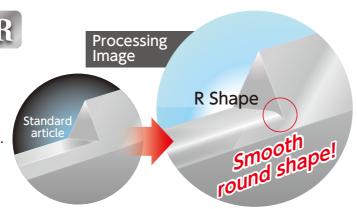


Cut & Round Crease R

Can be processed from any cut and crease rules.

Features:

- Longitudinal crack hardly occurs.
- Work efficiency at production site is improved.
- Beautiful assembling.
- Available without changing use conditions.
- Applicable to every combination cutting/creasing.



Perforation rule



Profile of perforation rule (Actual Size : Thickness 0.71mm)

	UUUUUU	000000	0000000	
ЗРВ	4PB	5PB	6РВ	7PB
4.4×4.0	3.3×3.0	2.6×2.5	2.2×2.0	1.6×2.0

8PB	9 P B	10PB	11PB	12PB
1.7×1.5	1.3×1.5	1.0×1.5	1.0×1.3	0.9×1.2
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
14PB	1×1	2×1	3×1	4×1
0.9×0.9	1.0×1.0	2.0×1.0	3.0×1.0	4.0×1.0

							I	
Thickness (mm)	Code	Cut(mm)	Uncut(mm)	ŀ	leight(mm)	Hardness (Hs)	Profile
	7P3B	2.8	0.8	23.00	23.50	23.80	47	CB42°
0.45	14PB	0.9	0.9		23.50	23.80	47	CB42°
0.45	2×1	2.0	1.0		23.50	23.80	47	CB42°
	3×1	3.0	1.0	23.00	23.50	23.80	47	CB42°
		I	I	I			I	I
	3PB	4.4	4.0	23.10	23.60	23.80	60	CB42°
	4PB	3.3	3.0	23.10	23.60	23.80	60	CB42°
	5PB	2.6	2.5	23.10	23.60	23.80	60	CB42°
	6PB	2.2	2.0	23.10	23.60	23.80	60	CB42°
	7PB	1.6	2.0	23.10	23.60	23.80	60	CB42°
0.71	8PB	1.7	1.5	23.10	23.60	23.80	60	CB42°
	9PB	1.3	1.5	23.10	23.60	23.80	60	CB42°
	10PB	1.0	1.5	23.10	23.60	23.80	60	CB42°
	11PB	1.0	1.3		23.60	23.80	60	CB42°
	12PB	0.9	1.2		23.60	23.80	60	CB42°
	14PB	0.9	0.9		23.60	23.80	60	CB42°

Thickness (mm)	Code	Cut(mm)	Uncut(mm)	ŀ	Height (mm)	Hardness (Hs)	Profile
	1×1	1.0	1.0		23.60	23.80	60	CB42°
	1×2	1.0	2.0		23.60	23.80	60	CB42°
	2×1	2.0	1.0		23.60	23.80	60	CB42°
	2×1.5	2.0	1.5		23.60	23.80	60	CB42°
	2×2	2.0	2.0		23.60	23.80	60	CB42°
	2×3	2.0	3.0		23.60	23.80	60	CB42°
	2.5×1.5	2.5	1.5		23.60	23.80	60	CB42°
	2.5×2	2.5	2.0		23.60	23.80	60	CB42°
0.71	2.5×2.5	2.5	2.5		23.60	23.80	60	CB42°
0.71	3×1	3.0	1.0	23.10	23.60	23.80	60	CB42°
	3×1.5	3.0	1.5		23.60	23.80	60	CB42°
	3×2	3.0	2.0		23.60	23.80	60	CB42°
	3×3	3.0	3.0		23.60	23.80	60	CB42°
	4×1	4.0	1.0		23.60	23.80	60	CB42°
	4×2	4.0	2.0		23.60	23.80	60	CB42°
	4×4	4.0	4.0		23.60	23.80	60	CB42°
	5×1	5.0	1.0		23.60	23.80	60	CB42°
	5×2	5.0	2.0		23.60	23.80	60	CB42°
	2×2	2.0	2.0		23.60	23.80	53	CB42°
	3×3	3.0	3.0	23.10	23.60	23.80	53	CB42°
	4×4	4.0	4.0	23.10	23.60	23.80	53	CB42°
	5×5		5.0	23.10	23.60	23.80	53	
0.90		5.0						CB42°
	3PB 4PB	3.3	4.0 3.0	23.10	23.60	23.80	53 53	CB42° CB42°
	6PB	2.2	2.0	23.10	23.60	23.80	53	CB42°
	7PB	1.6	2.0	23.10	23.60	23.80	53	CB42°

- The standard length is 915mm. (Thickness of 0.45 is 610mm standard)
- To be able to make the edge hardened products and coil products.

Micro perforation rule



Thickness (mm)	Code	Cut(mm)	Uncut(mm)	Height(mm)	Hardness (Hs)	Profile
	0.20×0.15	0.20	0.15	23.60 23.80	60	CB42°
0.71	0.28×0.23	0.28	0.23	23.60 23.80	60	CB42°
0.71	0.35×0.15	0.35	0.15	23.60 23.80	60	CB42°
	0.35×0.23	0.35	0.23	23.60 23.80	60	CB42°

- The standard length is 915mm.
- For instance: 72TPI(0.20x0.15), 50TPI(0.28x0.23 or 0.35x0.15)

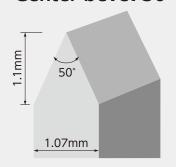


Rotary die rule (hard)



Rotary die rule (soft)

Center bevel 50°

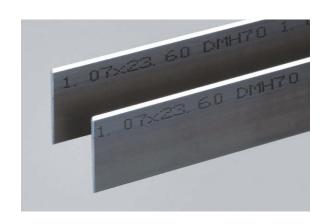


Features:

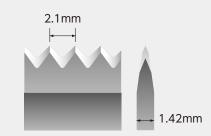
The Rotary die rules (hard) are steel cutting rules of the flat / rotary type used to die cut cardboards. Since the edge comes into direct contact with the stainless steel sheet and the anvil cylinder, these rules have an obtuse-angled center bevel profile. In order to respond to high-speed work, high-frequency processing is applied to the edge.

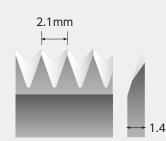
This large as (many)	Code	Hardn	ess (Hs)	Listant (some)	Longth and Drofile
Thickness (mm)	Code	Body	Edge Height(mm)		Length and Profile
	S-70	43	70	23.60 23.80	CB50°
	3-70	43	70	23.60 23.60	CB50° with notch
1.07					CB50°
	DMH-70	53	70	23.60 23.80	CB50° with notch
	D/VII 1-7 0	33	70 23.00 23.	23.00 23.00	405φ
					482φ
		I	I		
1.20	DMH-70	53	70	23.60 23.80	CB50°
1.20	DIVIII-70	33	70	25.00 25.00	CB50° with notch
1.42	S-70	45	70	23.60 23.80	CB50°
1.72	J-7 U	45	, ,	25.00 25.00	CB50° with notch

- Length: Standard 915mm, Coil 70m 50m.
- 15mm comb and endless process are available.



Center bevel saw Side bevel saw





Features:

The Rotary die rules (soft) are steel cutting rules of the rotary type used to die cut cardboards. The center bevel saws and side bevel saws are fabricated to a profile by grinding so that the saws will fit to urethane anvil mounted to the anvil cylinder. The high-frequency processing is standardized for the Rotary die rules (soft) .

Center bevel saw

Thiskness (mm)	Codo	Hardness (Hs)		Height (mm)			Length and
Thickness (mm) Code		Body	Edge				Profile
	R-01	45	70	23.80	24.10	24.40	Flat
1.42	R-02	45	70	23.80	24.10	24.40	Flat with notch
1.42	R-03	45	70	23.80	24.10	24.40	255φ~405φ
	R-04	45	70			24.40	480φ~720φ

■ Side bevel saw

Thickness (mm)	Codo	Hardness (Hs)		Height/mm)			Length and
	Code	Body	Edge	Height(mm)			Profile
	R-01	45	70	23.80	24.10	24.40	Flat
1.42	R-02	45	70	23.80	24.10	24.40	Flat with notch
1.42	R-03	45	70	23.80	24.10	24.40	255φ~405φ
	R-04	45	70		24.10	24.40	480φ~720φ

- \bullet Length : R-01•R-02 1000mm / R-03•R-04 Endless 30mCoils.
- Notch depth 7mm & 13mm. (R-02·R-03·R-04)



Label rule

Center bevel 42° Side double bevel 42° 42° 0.45mm

Features:

The Label rules are steel cutting rules used to cut adhesive sheets such as labels, double-sided adhesive tapes and adhesion parts. Since these rules should be bent into complex profiles, they have thin thickness and different height to adapt to machine specifications. The ground edge is available to cutting adhesive sheets with a resin coating applied without encountering resistance.

■ Label center bevel



■ Super blade

Thickness (mm)	Hoight (mm)	Codo	Hardne	ess (Hs)	Profile
Thickness (mm)	Height (mm)	Code	Body	Edge	Profile
	7.0	DS-70	50	70	CB42°
		DS-70	50	70	CB42°
	8.0	DS-80	50	80	CB42°
0.45		DMH-70	53	70	CB42°
0.45		DMH-80	53	80	CB42°
	9.5	DS-70	50	70	CB42°
	10.5	DS-70	50	70	CB42°
	12.0	DS-70	50	70	CB42°

■ Standard blade

Thickness (mm) Height (m	11-1-1-1-1 ()	Hairdat/mana) Cada		ess (Hs)	Drofile		
	Height (mm)	Code	Body	Edge	Profile		
	5.2	DMH	53		, ,		CB42°
	7.0	DMH	53		CB42°		
0.45	8.0	DMH	5	3	CB42°		
	9.5	DMH	53 53		CB42°		
	12.0	DMH			CB42°		

[•] The standard length is 915mm.

■ Label side double bevel



Thickness (mm) Height (n	Llaimht (mana)	Hoight (mm) Codo		ess (Hs)	Drofile	
	Height (mm)	Code	Body	Edge	Profile	
0.45	8.0	S-70	50	70	SDB47°	
	12.0	S-70	50	70	SDB47°	

The standard length is 915mm.

■ Label perforation rule



Thickness (mm)	Height(mm)	Code	Cut(mm)	Uncut(mm)	Hardness (Hs)	Profile
		1×1	1.0	1.0	53	CB42°
	8.0	2×1	2.0	1.0	53	CB42°
0.45	6.0	3×1	3.0	1.0	53	CB42°
0.43		4×1	4.0	1.0	53	CB42°
	12.0	1×1	1.0	1.0	53	CB42°
	12.0	2×1	2.0	1.0	53	CB42°

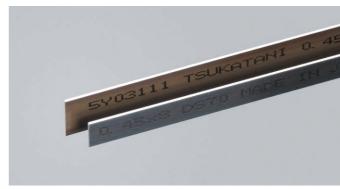
[•] The standard length is 915mm.

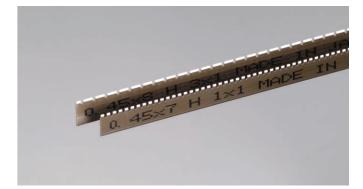
■ Label micro perforation rule



Thickness (mm)	Height(mm)	Code	Cut(mm)	Uncut(mm)	Hardness (Hs)	Profile
	0.20×0.15	0.20	0.15	53	CB42°	
	8.0	0.28×0.23	0.28	0.23	53	CB42°
0.45		0.35×0.15	0.35	0.15	53	CB42°
0.45	12.0	0.20×0.15	0.20	0.15	53	CB42°
		0.28×0.23	0.28	0.23	53	CB42°
		0.35×0.15	0.35	0.15	53	CB42°

- The standard length is 915mm.
- 72TPI: 0.20×0.15, 50TPI: 0.35×0.15





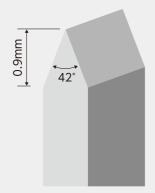
Label rule Label preforation rule

High rule

Features:

The High rules are steel cutting rules used to die cut plastic molded products having substantial depth and height such as food trays and plastic containers as well as honeycomb boards having substantial thickness. These rules are excellent in both bending workability and elastic strength that apply the features of ground edge and bainite treatment.

Center bevel (0.71mm) 60 42°

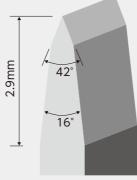


Center bevel with 42 degrees profile.

Side double bevel (1.0mm) E 13.5°

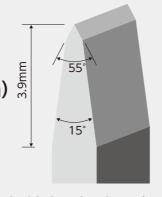
Side double bevel with 56 degrees profile. Suitable for trays and cutting the the outer form.

CW (1.0mm) Thickness



The most standard profile with 42 degrees center double bevel.

Center double bevel (1.5mm) %



Center double bevel with 55 degrees profile.

■ High rule center bevel



Thickness (mm)	I I a i sela te (sea sea)	Codo	Hardne	ess (Hs)	Profile
	Height (mm)	Code	Body	Edge	Profile
		S-70	50	70	CB42°
	29.00	S-80	50	80	CB42°
		H-80	60	80	CB42°
0.71	30.00	S-70	50	70	CB42°
	30.00	H-80	60	80	CB42°
33.00	S-70	50	70	CB42°	
	32.00	H-80	60	80	CB42°

[●] The standard length is 2000mm. Special request to make 1000mm, coil products, or lengths.

■ High rule CW/CDB



			Hardne	ess (Hs)	- "
Thickness (mm)	Height (mm)	Code	Body	Edge	Profile
	29.00	S-70	50	70	CW42°
		S-70	50	70	CW42°
	30.00	S-80	50	80	CW42°
0.71		DH-80	55	80	CW42°
	32.00	S-70	50	70	CW42°
	35.00	S-80	50	80	CW42°
	39.00	S-80	50	80	CW42°
	29.00	S-80	45	80	CW42°
	30.00	S-80	45	80	CW42°
	32.00	S-80	45	80	CW42°
	35.00	S-80	45	80	CW42°
	40.00	S-80	45	80	CW42°
	45.00	S-80	45	80	CW42°
	50.00	S-80	45	80	CW42°
1.00	55.00	S-80	45	80	CW42°
	60.00	S-80	45	80	CW42°
	65.00	S-80	47	80	CW42°
	70.00	S-80	47	80	CW42°
	75.00	S-80	47	80	CW42°
	80.00	S-80	47	80	CW42°
	90.00	S-80	47	80	CW42°
	100.00	S-80	47	80	CW42°
	29~60	48-80	48	80	CW42°
1.05	29~60	52-80	52	80	CW42°
1.05	29~60	60-80	60	80	CW42°
	25 -00				CVVTZ
	23.60	DH-80	52	80	CDB55°
1.50	29.00	DH-80	52	80	CDB55°
50	32.00	DH-80	52	80	CDB55°
	35.00	DH-80	52	80	CDB55°

[•] The standard length is 2000mm. Special request to make 1000mm, coil products, or lengths.

■ High rule SDB



Th: -l ()		Codo	Hardne	ess (Hs)	Drofilo
Thickness (mm)	Height (mm)	Code	Body	Edge	Profile
	30.00	S-80	45	80	SDB
	35.00	S-80	45	80	SDB
	40.00	S-80	45	80	SDB
1.00	45.00	S-80	45	80	SDB
	50.00	S-80	45	80	SDB
	55.00	S-80	45	80	SDB
	60.00	S-80	45	80	SDB
1.50	23.60	DH-80	52	80	SDB
1.50	32.00	DH-80	52	80	SDB

• The standard length is 2000mm. Special request to make 1000mm, coil products, or lengths.



Stainless steel rule



Thickness (mm)	Cada	Hardness (Hs)		I I a i sela te (sa sa)	Drofile
	Code	Body	Edge	Height (mm)	Profile
0.71	Silver cutter		54		CB42°
0.71	Super silver cutter	30	70	23.60	CB42°

• The standard length is 915mm.

Composer knife

Thickness (mm)	Straight (mm)	Height(mm)	Body hardness	Edge Angle	Profile
0.71	up to 2,700	23.00~26.00	70	30°, 36°	SDB
1.20	up to 3,300	24.10~26.00	70	CDB∠29°、CDB∠30°	CDB∠40°,SDB∠42°



Doctor Blade

Thickness (mm)	Straight(mm)	Height (mm)	Body hardness	Edge Angle	Profile
0.71	up to 1,345	39.00	70	21°	ASB



Bog Knife

Thickness (mm)	Straight (mm)	Height (mm)	Code	Cut & Uncut	Body hardness	Tip	Depth of perfo(mm)	Profile
	up to 3,420	25.00	2.0	1.0 & 1.0	70			
	up to 3,420	25.00	2.7	1.5 & 1.2	70			
	up to 3,420	25.00	3.0	1.8 & 1.2	70			
	up to 3,420	25.00	3.0	2.0 & 1.0	70			
	up to 3,420	25.00	3.1	2.2 & 0.9	70		0.5	
	up to 3,420	25.00	3.3	2.0 & 1.3	70	·Flat edge	1.0	·Flat edge
1.00	up to 3,420	25.00	3.8	2.3 & 1.5	70	•Flat edge perfo	1.2	·Single flat edge perfo
	up to 3,420	25.00	3.8	2.5 & 1.3	70	Tiat eage pend	1.3	·Both flat edge perfo
	up to 3,420	25.00	3.8	2.6 & 1.2	70		1.5	
	up to 3,420	25.00	3.8	2.8 & 1.0	70			
	up to 3,420	25.00	5.0	4.0 & 1.0	70			
	up to 3,420	25.00	6.6	6.1 & 0.5	70			
	up to 3,420	25.00	10.0	7.6 & 2.4	70			

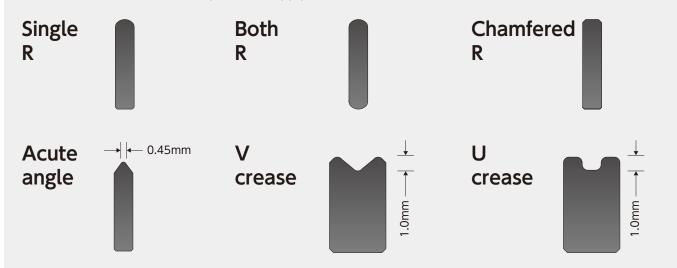
• Can cut to be desired length and possible to make coil products with 100m long.



Crease rule

Features:

The Crease rules are used to crease cutting sheets. The creasing profile, height and thickness are chosen taking into account the material, thickness, and batch size of cutting sheets. The choice of crease rules is an important component in manufacturing packages. In this connection, we have established high quality standards to ensure flexible response to supply of suitable crease rules to customers.

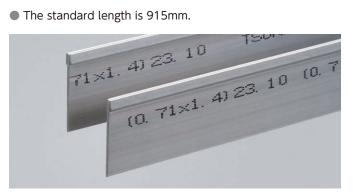


■ Mushroom crease rule

Features: The width of crease and the body is different. It was made to unify the width of lazer cutting ditches.

Code	Thickness (mm)		I I a i ala t (va va)	D (1)
	Body	Edge	Height(mm)	Profile
0.71-1.0	0.71	1.0	22.80	Single R
			23.10	Single R
0.71-1.4	0.71	1.4	22.80	Single R
			23.10	Single R
			23.20	Single R
0.9-1.4	0.9	1.4	22.80	Single R

• The standard length is 915mm.



■ Hardened crease rule

Thickness (mm)	Height(mm)	ht (mm) Hardness (Hs)		Profile	
0.71	22.60~23.80	60	Single R	Both R	Acute angle
	23.00	60	Single R		
0.9	23.10	60	Single R		

• The standard length is 915mm. Special request to make 1220mm, coil products, or lengths.

■ Non-hardened crease rule

Thickness (mm)	Height(mm)	eight(mm) Profile			
	22.60	Single R	Both R		
	22.83	Single R	Both R		
	22.90	Single R			
	23.00	Single R	Both R		
0.71	23.10	Single R	Both R		
	23.20	Single R	Both R		
	23.30	Single R			
	23.50	Single R			
	23.60	Single R			
	22.50	Cinala D			
	22.60	Single R			
		Single R	D 11 D		
0.0	22.83	Single R	Both R		
0.9	22.90	Single R	Both R		
	23.00	Single R	Both R		
	23.10	Single R	Both R		
	23.20	Single R			
	22.60	Single R			
	22.83	Single R	Both R		
	22.90	Single R			
1.0	23.00	Single R	Both R		
	23.10	Single R	Both R		
	23.20	Single R			
	22.60	Single R			
1.2	22.83	Single R			
	23.00	Single R			
	23.10	Single R			



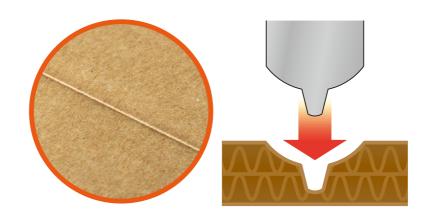
■ Non-hardened crease rule

Thickness (mm)	Height (mm)		Profi	le	
	21.00	Single R			
	21.60	Single R			
	22.00	Single R			
	22.30	Single R			
	22.50	Single R			
1.4	22.60	Single R	Both R	Chamfered R	
1.4	22.70	Single R	Dottrik	Chamicrea K	
	22.83			Chamfered R	
		Single R			
_	22.90	Single R		Chamfered R	
	23.00	Single R			
	23.10	Single R	Both R		
	21.60	Single R	Single R with notch		
	22.00	Single R	Single R with notch		
	22.30	Single R	Single R with notch		
1.5	22.60	Single R	Single R with notch	Both R	
	22.83	Single R			
	23.00	Single R			
	23.10	Single R			
	22.50	Single R			
	22.60	Single R			
1.8	22.83	Single R			
	23.00	Single R			
	23.10	Single R			
	21.60	Single R	Single R with notch		
	22.00	Single R			
	22.30	Single R			
	22.50	Single R			
2.0	22.60	Single R	Single R with notch		
	22.83	Single R	38		
	22.90	Single R			
	23.00	Single R			
-	23.10	Single R			
			[C.] B		
	21.00	Single R	Single R with notch		
	21.60	Single R	Single R with notch		
	22.00	Single R	Single R with notch	U crease	
	22.30	Single R			V crease
3.0	22.50	Single R			
	22.60	Single R			
	22.85	Single R	Single R with notch	U crease	V crease
	23.00	Single R	Single R with notch	U crease	V crease
	23.10	Single R		U crease	V crease

[•] The standard length is 915mm. Special request to make 1220mm, coil products, or lengths. (coil products can be up to 1.5mm thick)

Decowave

Features: Perfect Creasing rule for corrugated board



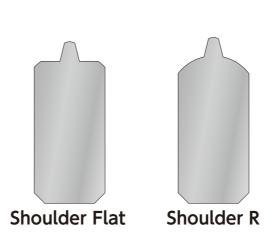
Benefit:

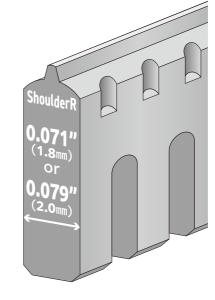
The waved shoulder is gripping the cardboard, holding with precise positioning for the crease to be formed accurately and prevents the material cracking due to reducing the pressure placed on the surface. This action creates a smooth crease line, 180° fold is achieved without any problem.

Thickness	Hardne	ess (Hs)	Height	Ductile
(mm)	Body	Edge	(mm)	Profile
	DD			800
1.8			20.6~23.1	800 with notch
				RC-03 800
				800
2.0	DD		20.6~23.1	800 with notch
				RC-03 800



● The standard length is 800mm







[•] The standard depth of the notch is 15mm.

[●] To be able to make unichrome plating and non-neutralized plating etc.

■ NC punch







[Standard spec] ■ Ejection type

Hardness	HRC52~53/58~59
Blade height	3.0mm
Thickness	0.7mm
Bevel angle	30°/40°
Pin hole	φ0.8≦
Screw hole	M3≦
Min. line gap	1.4mm
Min. radius	0.1R

■ Feed through type

Hardness	HRC52~53/58~59	
Blade height	2.0~4.5mm	
Thickness	0.7~1.8mm	
Bevel angle	30°/40°/50°	
Base	Slit process available	
Min. line gap	1.0mm	
Min. radius	Side∙feed through: 0.5R	
Willi. Idulus	Joint: 0.1R	

■ Feed through punch

Diameter(mm)	Height(mm)	Hardness (Hs)	
1.0~30.0	23.60	70	

- Diameters up to 19.5 mm in increments of 0.5 mm.
- Diameters over 20 mm in increments of 1.0 mm.





■ Side punch

Diameter(mm)	Height(mm)	Hardness (Hs)	
1.0~12.0	23.60	70	

Increments of 0.5mm.





■ G-SHOT

Edge profile	Diameter(mm)	Height(mm)	Hardness(Hs)	Thickness(mm)
Tube punch G-Shot	2.0~30.0	23.60	82	0.7
Spring punch G-Shot	2.0~13.0	23.60	82	0.7
Side punch G-Shot	1.5~12.0	23.60	82	

- OD = Diameter of edge + 0.7mm (thickness 0.7mm)
- G-Shot has extremely high sharpness and high accuracy by mirror finishing
- Can be created at 0.1mm intervals
- Feed through punch, Label punch and WG can also be created
- Please contact us about other specs, stock and etc
- There is also an exclusive catalog



■ Tube punch PLUS

Diameter (mm)	Height (mm)	Hardness (Hs)	Thickness	Remarks
2.0~7.0	23.60	73	0.7	Non through type
3.0~30	23.60	73	0.7	









■ Tube punch

Increments of 0.1mm.

Diameter (mm)	Height (mm)	Hardness (Hs)	Thickness	Remarks
2.0 • 2.5	23.60	70	1.0	Non through type
3.0~30	23.60	70	1.0	

OD = Diameter + 1.0mm(thickness 1.0mm)

OD = Diameter + 0.7mm(thickness 0.7mm)

• "PLUS" is a product with ground edge finished process

Contact us for other specifications and stock confirmation.

- Increments of 0.1mm.
- Contact us for other specifications and stock confirmation.

■ Label punch

Diameter (mm)	Height (mm)	Hardness (Hs)	Thickness
2.0~15.0	6.0	70	0.5
2.0~15.0	7.0	70	0.5
2.0~15.0	8.0	70	0.5
2.0~15.0	9.5	70	0.5
2.0~15.0	10.5	70	0.5
2.0~15.0	12.0	70	0.5







- OD = Diameter + 0.5mm
- Contact us for other specifications and stock confirmation.

■ Bended punch

Diameter (mm)	Height (mm)	Hardness (Hs)	Thickness
3.0~30.0	23.60	68	0.7

- OD = Diameter + 0.7mm
- Increments of 0.5mm.





■ Welded punch

Diameter	Height	Hardness	Thickness
(mm)	(mm)	(Hs)	
3.0~40.0	23.60	68	0.7

- OD = Diameter + 0.7mm
- Increments of 0.5mm.





■ Spring punch

Diameter (mm)	Height (mm) Hardness (H	
1.0~15.0	23.60	78

Increments of 0.5mm.





Pointed punch

Diameter(mm) Body diameter(mm)		Height (mm)	Hardness (Hs)		
0	2.0				
0	2.5				
0	3.0				
0.5	2.5		70		
0.5	3.0	23.60			
	2.0	23.00			
1.0	2.5				
1.0	3.0				
2.0	2.5				
2.0	3.0				





■ Cup pointed punch

Diameter (mm)	Body diameter (mm)	Height(mm)	Hardness (Hs)
1.0	2.0		
1.0	2.5		
1.0	3.0		
1.5	2.5	23.60	70
1.5	3.0	23.60	/0
2.0	2.5		
2.0	3.0		
2.5	2.0		





■ Cup punch

Diameter (mm)	Height(mm)	Hardness (Hs)
2.0~7.0	23.60	70

Increments of 1.0mm.



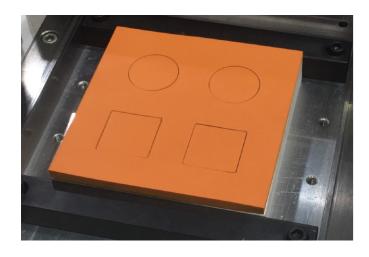


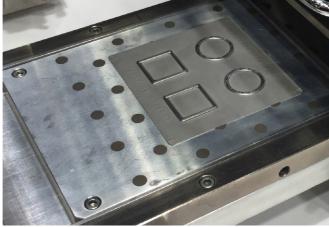
■ RDC-FB type

Effective range (mm)	Body size (mm)	Weight
A3 297×420	710×726×252	72kg
A4 210×297	467×418×195.5	35kg
A5 148×210	380×356×190.5	25kg
A6 105×148	318×313×185.5	14kg

- Do it on the tabletop simply.
- Adjust the height easily.
- Combined use of Steel cutting rule die and Pinnacle die.







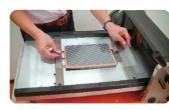
Case of steel cutting rule die: How to set up and the cutting process



Remove the screws to take the magnetic plate off



Place the die and adjust the ditch with fitting screws and the clearance control jack



Place a material and dummy film on the die and then turn handle



Completed the kiss cut and full cut

Case of Pinnacle die: How to set up and the cutting process



Use the screws to place the magnetic plate on



Confirm all clear on the top and place the die on



Place a material then turn the handle

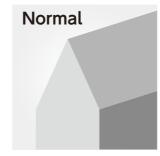


Completed the kiss cut and full cut

Easy to adjust the height with Dial scale

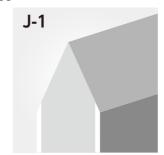
Specifications & Technical information

Base material



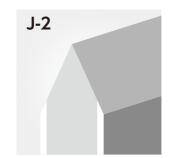
The entire cross section of the blade is made from homogeneous steel.

Code: S•MH•H•HH



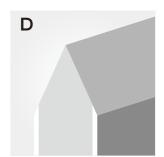
The surface layer of cross section of the blade is made of decarburized steel, providing excellent bending workability and elastic strength.

Code: DS.DMHE.DMH.DH



The surface layer of cross section of the blade is made of deeply decarburized steel, creating more elastic bending workability.

Code: SF•MHF•HF



This steel is transformed to martensite steel by applying special heat treatment to the J-1 material. This is a kind of steel with a white, beautiful surface.

Code: D40.D45.D50.D60

Body hardness and Edge hardness

Steel is heat-treated to provide strength. The bodies and edges are available in hardness ranging from the soft type to the hard type to respond to extensive requirements for bending workability and durability.

Hardening treatment is applied to edges to increase their durability. Since the hardening treatment makes only the edges further harder, durability is increased even for products with soft body.

Example: DS-70, D45-75

Body hardness

Normal	J-1	J-2	D	Hardness
-	_	_	D40	HV270
S	DS	SF	D45	HV300~325
-	DMHE	_	D50	HV360
MH	DMH	MHF	_	HV390
Н	DH	HF	D60	HV450
65	_	_	_	HV490

● t=0.7mm h=23.6~23.8mm

Edge hardness

Code	Hardness	
70	HV550	
75	HV620	
80B	HV620 (0.20depth)	
80	HV670 (0.25depth)	



Edge profile and Height

Standard profile specifications include center bevel, center double bevel and side bevel. The edges of the TSUKATANI Steel Cutting rules are finished to sharp profiles by micro grinding and also subjected to height control using a precision measuring machine. Any other profiles and height than the standard specifications are also available upon request.

Back profile



The back is processed to a round profile, which is effective in preventing the bevel from expanding outward when bending the bevel.



Each corner is slightly chamfered. This profile facilitates checking for the bevel mounting conditions from the back of the cutting die.



The back is processed to an acute-angled profile. This profile most readily fits to the back plate.

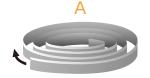
Packaging & Conversion tables

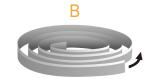
Packaging

Coil

Coil size (mm				
Diameter Code	Α	В	С	
ID	270	350	465	
OD $(t = 0.7)$	400	460	560	

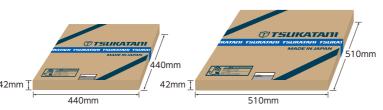
Winding direction

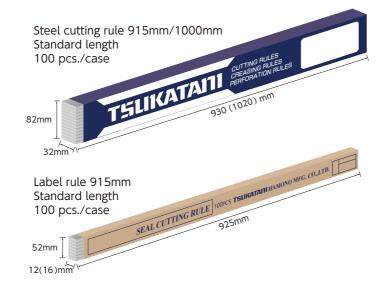






Package size Coil case A Coil case B





Conversion tables

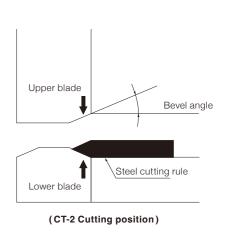
Thickness		Length		Height • Width • Depth						Hardness					
mm	pt	mm	ft	mm	inch	mm	inch	mm	inch	HV	HRC	HS	HV	HRC	HS
0.45	1.28	610	2.0	0.10	0.004	5.00	0.197	23.44	0.923	210	-	30	720	61.0	83
0.53	1.50	915	3.0	0.15	0.006	5.20	0.205	23.45	0.923	230	_	33	740	61.8	84
0.71	2.01	1000	3.3	0.20	0.008	6.00	0.236	23.50	0.925	250	22.2	36	760	62.5	86
0.90	2.55	1220	4.0	0.23	0.009	7.00	0.276	23.60	0.929	270	25.6	38	780	63.3	87
1.00	2.83	2000	6.6	0.28	0.011	8.00	0.315	23.65	0.931	290	28.5	41			
1.07	3.03			0.35	0.014	9.00	0.354	23.80	0.937	300	29.8	42			
1.20	3.40			0.50	0.020	9.50	0.374	24.10	0.949	320	32.2	45			
1.40	3.97			0.70	0.028	10.00	0.394	24.40	0.961	340	34.4	47			
1.42	4.03			0.80	0.031	10.50	0.413	25.00	0.984	360	36.6	50			
1.50	4.25	m	ft	0.90	0.035	12.00	0.472	29.00	1.142	380	38.8	52			
1.80	5.10	30	98.4	1.00	0.039	13.00	0.512	30.00	1.181	400	40.8	55			
2.00	5.67	50	164.0	1.20	0.047	15.00	0.591	32.00	1.260	420	42.7	57			
3.00	8.50	70	229.7	1.30	0.051	20.00	0.787	35.00	1.378	440	44.5	59			
		100	328.1	1.50	0.059	21.00	0.827	40.00	1.575	460	46.1	62			
				1.60	0.063	21.60	0.850	45.00	1.772	480	47.7	64			
				1.70	0.067	22.00	0.866	50.00	1.969	500	49.1	66			
				2.00	0.079	22.30	0.878	55.00	2.165	520	50.5	67			
				2.20	0.087	22.40	0.882	60.00	2.362	540	51.7	69			
				2.50	0.098	22.60	0.890	65.00	2.559	560	53.0	71			
				2.60	0.102	22.85	0.900	70.00	2.756	580	54.1	72			
				2.80	0.110	22.90	0.902	75.00	2.953	600	55.2	74			
				3.00	0.118	23.00	0.906	80.00	3.150	620	56.3	75			
				3.30	0.130	23.10	0.909	90.00	3.543	640	57.3	77			
				4.00	0.157	23.20	0.913	100.00	3.937	660	58.3	79			
				4.20	0.165	23.30	0.917			670	59.2	80			
				4.40	0.173	23.40	0.921			700	60.1	81			

CT type

■ CT-2 Straight Cutter / CT-3 Straight Cutter / CT-5 Lipper







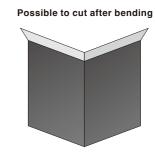
Used to cut cutting rules. (CT-3 has no base)

■ CT-6 Straight Cutter / CT-7 Lipper (LR type)









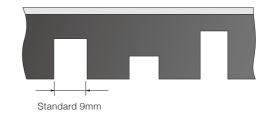
- A single straight cutter / lipper enables both rightward and leftward cutting.
- Cutting with a back guide is enabled.

I CT-8 Notcher





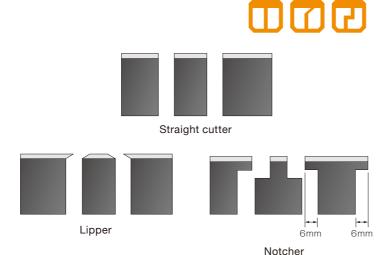
- Used to process the bridge portion
- Adjustment of bridge depth is made with a single motion, just by turning the dial.
- Small / Large type
- Standard groove 9mm



■ CT-9 Straight cutter / CT-10 Lipper / CT-11 Notcher (Dual type)



- A single operation makes it possible to cut each side of material. This type is best suited to cut materials to the same size in large batches.
- The notcher with cutting function is designed for the standard cutting width of 6 mm. (The machine for cutting length ranging from 3 to 5 mm is also available upon request.)

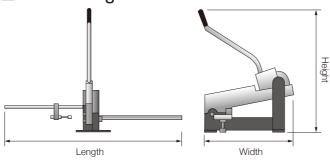


■ Slide type table of straight cutter



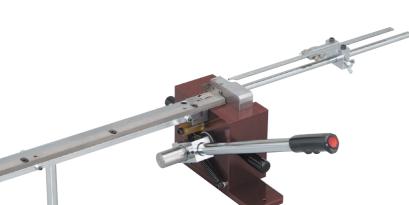
- The table of straight cutter can be changed to the slide type.
- Easy adjustment of cutting position is made just by turning the dial.
- Adaptable to knife height of 32 mm at maximum
 Adaptable to CT-2, CT-5, CT-6, CT-7, CT-9, and CT-10

■ Size of straight cutter



Length 975 × Width 305 × Height 750 mm

■ CT-20 Straight cutter / CT-21 Lipper / CT-22 Notcher (New type)



Size Length 970 × Width 310 × Height 210 mm





EP type

The EP type is optional equipment that can be mounted to CT series (Straight cutters) and BD series (Benders).

■ EP-1 Slide scale for Straight cutter

■ EP-2 Slide scale for label bender



- Micrometer spec
- Option for CT-2•CT-3•CT-5•CT-6•CT-7



- Micrometer spec
- Option for BD-6

■ EP-3 Slide scale for bender

■ EP-4 Slide scale for bender



- Micrometer spec
- Option for BD-5

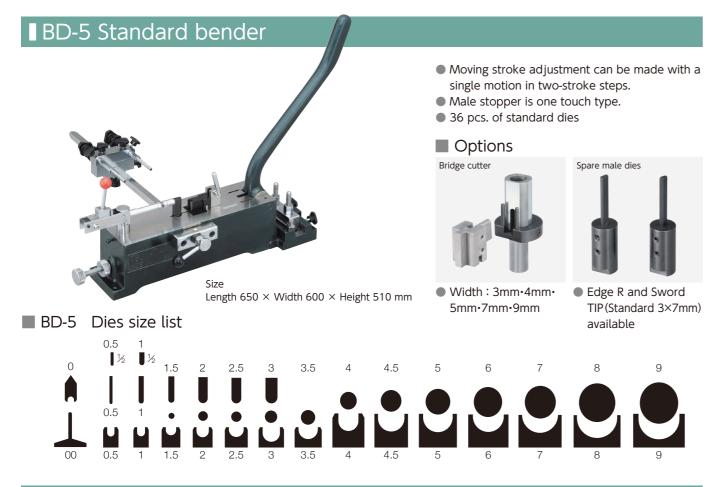
- The contract of the contract o
- Slide calipers spec
- Option for BD-5

■ EP-5 Digital slide calipers for Straight cutter



- For 600mm, 1000mm
- Option for CT-9.CT-10.CT-11

BD type

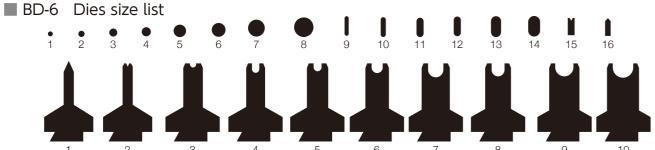


■ BD-6 Label bender



- Both bending and cutting equipped
- Male stopper is one touch type.
- Straight cutter or lipper is selectable.





To the world with unique advanced technologies and know-how cultivated with the traditions

WORLD WIDE NETWORK



TSUKATANI is a leading manufacturer of business-form cutting tools, steel cutting rules and pinnacle dies, which are known as the Cutting Edges (special cutting tools for industrial use) out of several tens of manufacturers existing in the world. In Japan, TSUKATANI has 90% of the market share in the business-form cutting tools, 60% of that in the steel cutting rules used to die cut cardboards and paper packages, and 70% of that in the pinnacle dies. Through research, development, manufacturing and marketing and

sales of these Three Cutting Edges, TSUKATANI is expanding the possibilities for cutting.

As to overseas business, TSUKATANI has entered into technical collaboration with overseas manufacturers not only to work on cooperation, but also to actively promote exchanges of information and expansion of networks with them. In addition, TSUKATANI has so far exported its products to 31 countries in Asia, Americas, Europe, and Oceania and been expanding business on a global scale.

Some history on Tsukatani

Since our establishment in 1951, Tsukatani has been satisfying the needs of the times, such as small-quantity, high-variety small-lot production and quick deliveries, while making an exhaustive study of the quality of "cutting" and "punching".

Under the severe business environment of Japan's economic recession and the intense catching-up of Asia-based manufacturers headed by China, how to grow into a company that further unites technological superiority and competitive pricing is a big assignment for Tsukatani.

It is our great pleasure to tell you that a series of exciting changes have brightened our prospects; for example,

demand for PINNACLE DIE, a pillar of our third business domain, has been rapidly increasing, our products have started being applied to the "cutting" and "punching" of printed circuit boards, liquid crystals, and other electronic components, and the Asian market is rapidly expanding. It would be a rational choice for us to concentrate our management resources in these growing fields in the future. To achieve this, without resting on our proprietary technologies and original distribution network, we are ready to aggressively take on cross-border alliances, if we can find worthy technologies and advantageous cooperative conditions.