



**HUNG
SHUH**



Established
1970 in

HUNG SHUH ENTERPRISES CO., LTD.

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COMPANY HISTORY

The HUNH SHUH brand originated in Taiwan and has gained a reputation for producing exceptional Japanese steel products. Looking back 50 years ago, the company's founder, Mr. Chen, and his three brothers dedicated themselves to the industry with a Japanese craftsman's spirit, striving to develop various steel-cutting rules.

Despite facing different obstacles and difficulties, we remained determined. We gained valuable insights from our experiences, ultimately contributing to our global success in selling our products. Moving forward, Hung Shuh remains committed to being a trailblazer in this industry and will continue to strive for excellence.





BRAND STORY

In the heart of Japanese culture, the legacy of ancient warriors inspires enduring artistry, exemplified by the Katana—a masterpiece embodying dignity and skill, meticulously forged from precious Tamahagane steel. At Hung Shuh, we wholeheartedly embrace the spiritual values of craftsmanship, dedicated to preserving tradition as creators of precision steel-cutting rules.

Our steel-cutting rules are meticulously crafted with the finest steel, reflecting unwavering quality. Rooted in our understanding of diemakers' needs, we tailor cutting rules to perfection, seamlessly marrying tradition and modernity, honoring artisans, and showcasing the magnificence of traditional artistry. Each steel-cutting rule harmoniously blends old and new, inviting all to experience its beauty and utility. Hung Shuh beckons you to appreciate the seamless blend of tradition and innovation.

Bevel Profiles



Center Bevel

Long Center Bevel

Side Bevel

Long Side Bevel

Bevel Profiles

CB | Center Bevel

LCB | Long Center Bevel

SB | Side Bevel

LSB | Long Side Bevel



CB



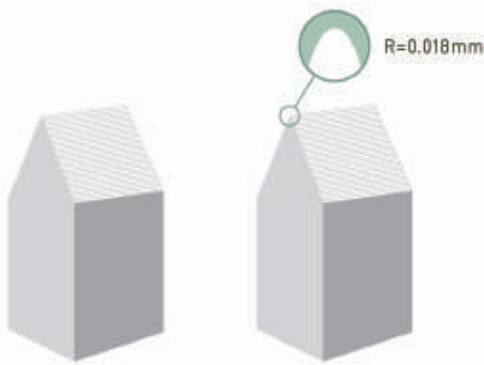
SB



LCB



LSB



Shaved Rule

Shaved Rule-RO

Ground Rule

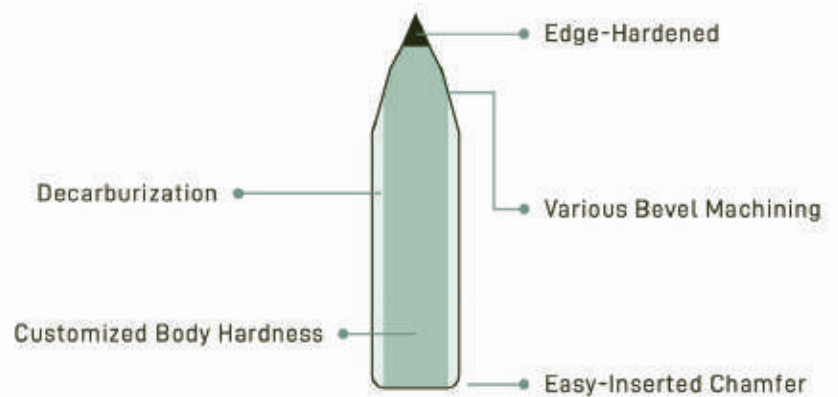
Super Ground

Bevel Finish Table

SV	Shaved
	Shaved-RO
GR	Ground
SG	Super Ground

Edge Hardness Conversion Table

Code	HS	HRC	HV
F	68	51	530
A	74	55	600
H	77	57	640
S	79	58	670
E	81	60	700

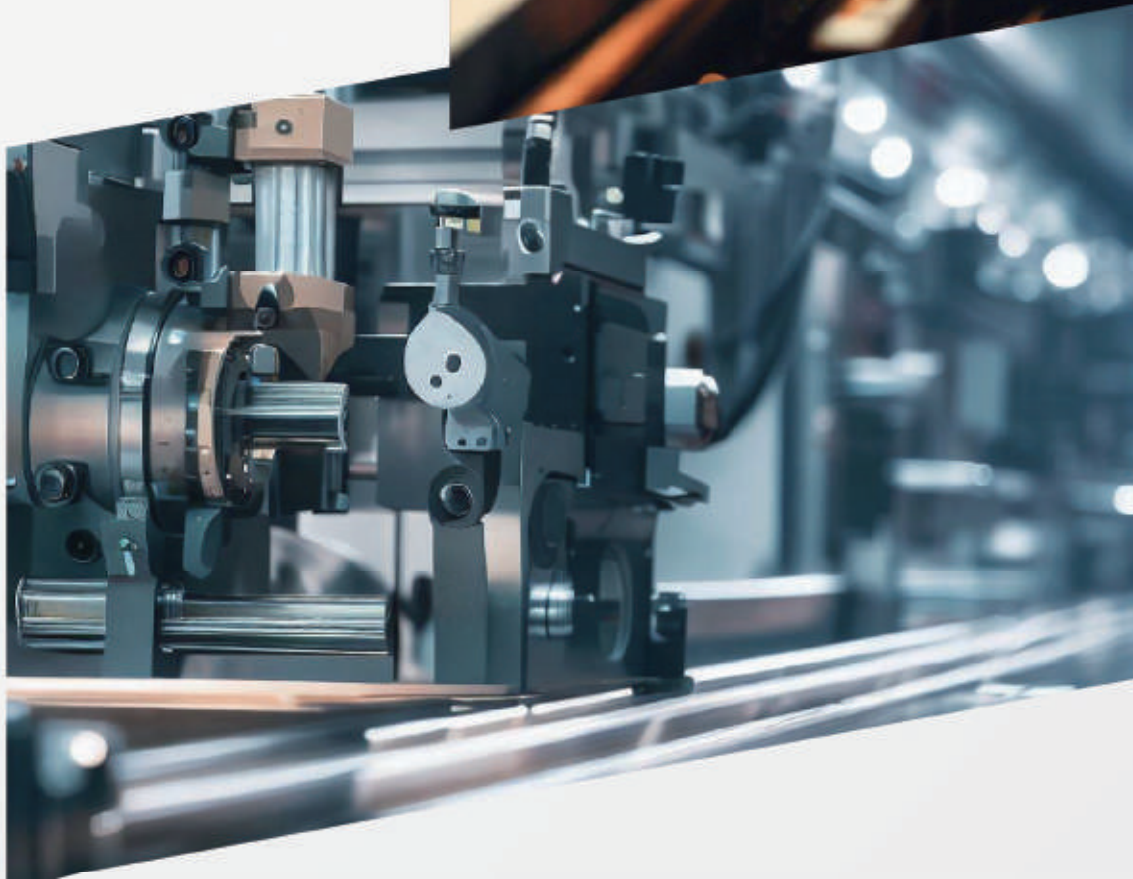


Hardness Conversion Table

Soft ← → Hard													
HS	45	48	50	52	55	60	66	68	74	77	79	81	HS
HRC	32	34	36	38	40	45	50	51	55	57	58	60	HRC
HV	320	340	360	380	400	450	520	530	600	640	670	700	HV



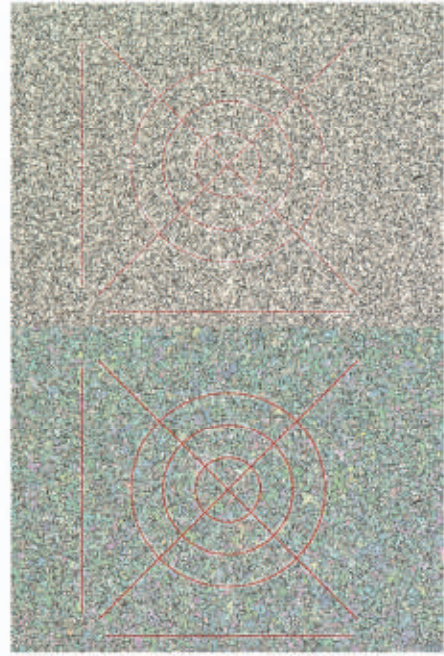
Professional
/ **Quality**





Keyence - Rule Edge Inspection

Through high magnification, optical inspection ensures each finished rule is in fantastic condition.



Grain Size Inspection

ASTM E112 & ISO 643 : Standard Test Methods for Determining Average Grain Size.



**Servo-Crank Blanking Machine (Sakamoto)
Cutting Life Testing**

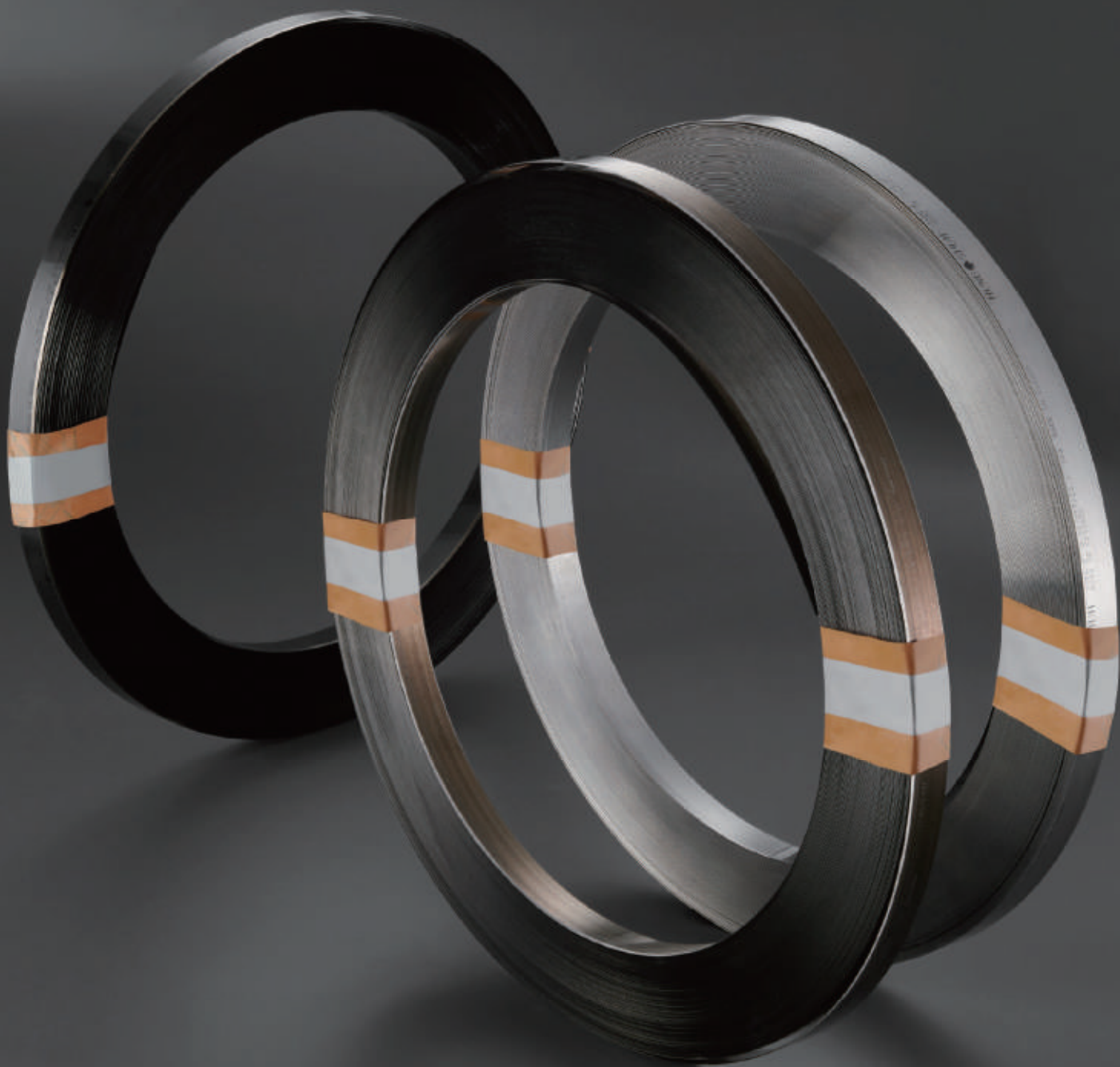
Introducing a Japanese advanced blanking machine with precise height control and tool durability testing for maximum performance.



Vickers Hardness Tester – Guarantee Hardness

Our steel cutting rules are rigorously inspected to guarantee precise hardness control in both the edge and body.

TYPE-SG





Austrian Excellence in Hardness

Austrian Heat Treatment ensures stable yet rigid steel cutting rules, blending strength with flexibility perfectly.

Optimal Decarburization

Fine decarburization maximizes tool flexibility, achieving unmatched bendability and performance.

Masterful Rule Bevel

Leverage the Long Center Bevel for gentle material removal, achieving flawless, superior cut section.

Unrivaled Edge Hardness

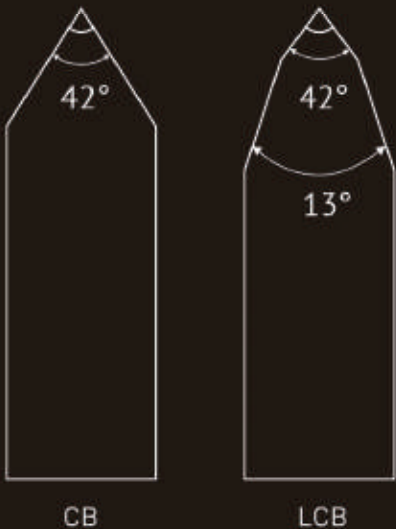
Edge hardening extends cutting life, offering enduring precision and excellence in every cut.

The Super Ground rule has been developed to ensure a precise and smooth cut section. Our high-spec tooling is utilized to grind the rule edge to a mirror-like finish, which reduces cutting friction.

Our Super Ground rule suits diverse industries, including electronics, plastics, paper, leather, and carbon fibers.

Hung Shuh confidently chooses only the finest steel strips from Nippon Steel for superior product stability and durability. This ensures our customers to receive the best possible user experience.

Super Ground		
Bevel Profiles	CB	LCB
Thickness	0.53mm ~ 1.42mm	
Height	22.8mm ~ 23.8mm	
Angle	42°, 52°	
Body Hardness	HS45 , HS48 , HS52 , HS55 , HS60	
Edge Hardness	HS68 ~ HS81	





Super Ground

TYPE-SG

- 1 / Cutting precision is heightened by sharpness.
- 2 / Minimal edge roughness facilitates smoother operations.
- 3 / Enhanced functionality through superior bendability.

Applications: Plastics (PE, PET, PVC, PP), Diverse Blisters, Laminated Papers, Composite Materials, Films, Synthetic Rubbers, Leathers, Thin Wooden Boards, Flexible Print Circuits, and Carbon-Fiber Fabrics.

	SG-45	SG-38	SG-32
Advantages	• High durability • Ideal for challenging and robust materials	• General standard • Highly dependable for universal application	• High flexibility • Well-suited for complicate forms and tight curves
Applications	Plastics (PE, PET, PVC, PP), Diverse Blisters, Laminated Papers, Composite Materials, Films, Synthetic Rubbers, Leathers, Thin Wooden Boards, and Carbon-Fiber Fabrics.	Laminated Papers, Flexible Print Circuits, Stickers and EVA Forms.	Stickers and Flexible Print Circuits.



Sharp



Clean Cutting Faces



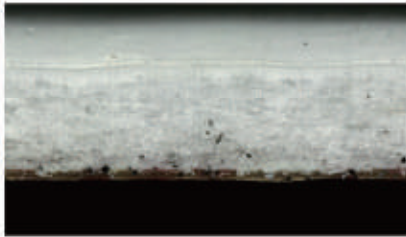
Less Dust



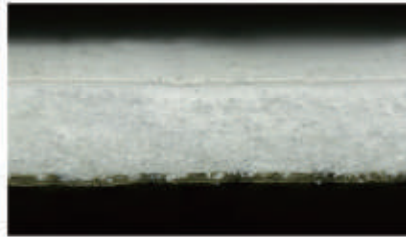
Long Run

Thickness (mm)	Model No.	Hardness (HV)		Height (mm)	Angle
		Body	Edge		
0.53	SG-52H	380	640	23.6 / 23.8	42°
0.71	SG-45F	320	530	23.6 / 23.8	42° / 52°
	SG-48H	340	640		
	SG-52A	380	600		
	SG-52H	380	640		
	SG-52S	380	670		
	SG-52E	380	700		
	SG-55S	400	670		
	SG-55E	400	700		
	SG-60S	450	670		
	SG-60E	450	700		
1.06	SG-48A	340	600	23.6 / 23.8	42° / 52°
	SG-48H	340	640		
	SG-48E	340	700		
	SG-52A	380	600		
	SG-55E	400	700		

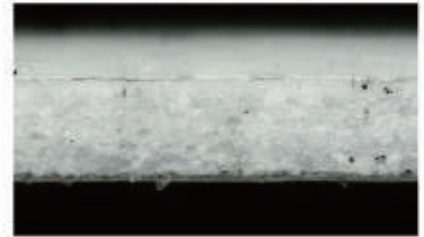
Material After Cutting



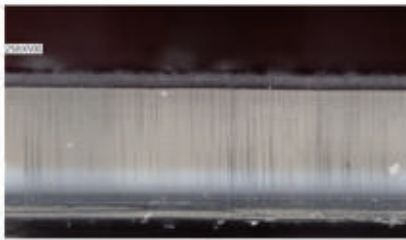
Laminated Cardboards — GR



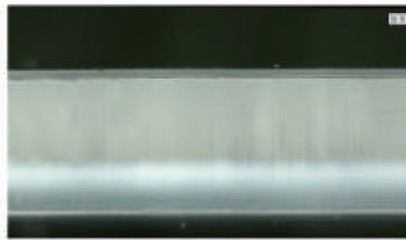
Laminated Cardboards — SG



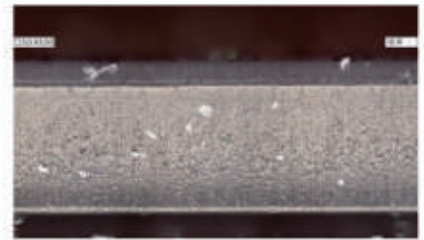
Laminated Cardboards — SV



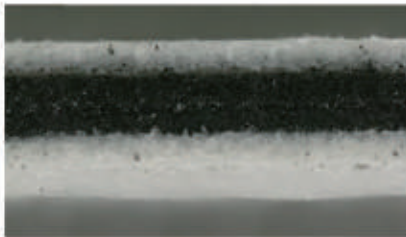
PET — GR



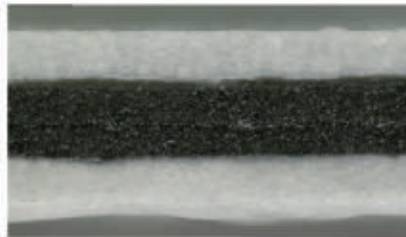
PET — SG



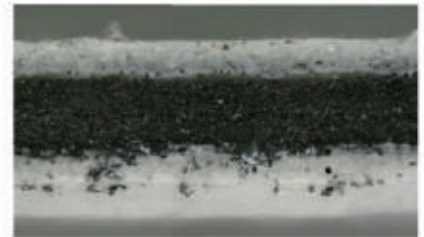
PET — SV



Carbon-Fiber Fabrics — GR

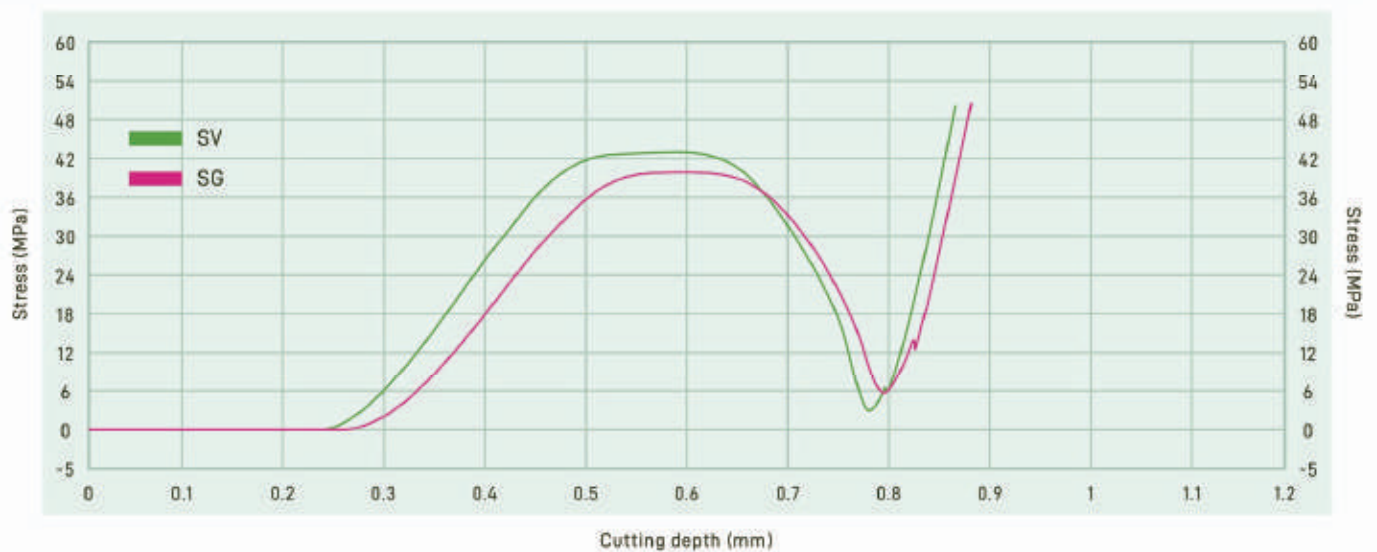


Carbon-Fiber Fabrics — SG

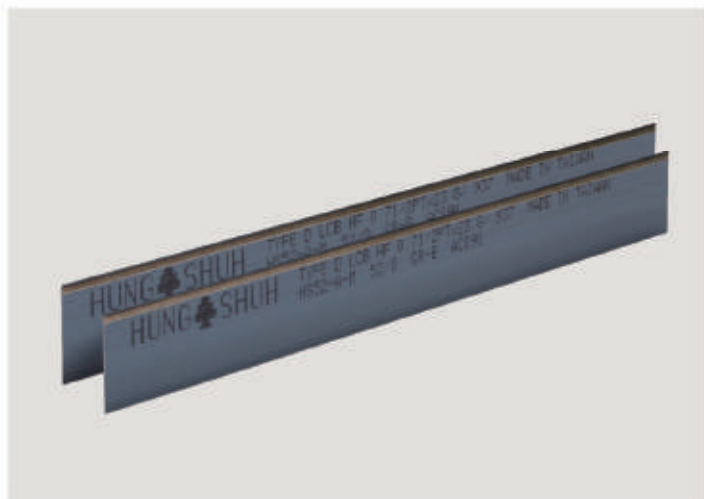


Carbon-Fiber Fabrics — SV

Cutting Curve (0.5 mm PET film)



We offer various customization options to meet your needs, including special profiles, sizes, and materials.



Ground Rule

Bevel Profiles	CB	LCB
Thickness	0.45mm ~ 1.42mm	
Height	22.8mm ~ 23.8mm	
Angle	42°, 52°	
Body Hardness	HS48 , HS52 , HS55 , HS60	
Edge Hardness	HS74 ~ HS81	



Cost Efficiency



Sharp



Less Dust

Ground Rule

TYPE-GR

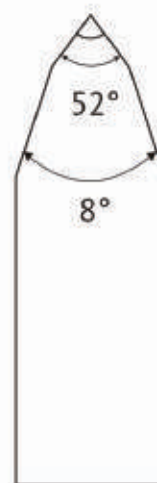
- 1 / A precise cut is achieved with minimal cutting force.
- 2 / The implementation of vertical grinding lines results in a reduction of friction.
- 3 / A sharp cutting edge with superfine ground bevel minimizes dusting.

Applications :

Plastics, Laminated Papers, and Leathers.

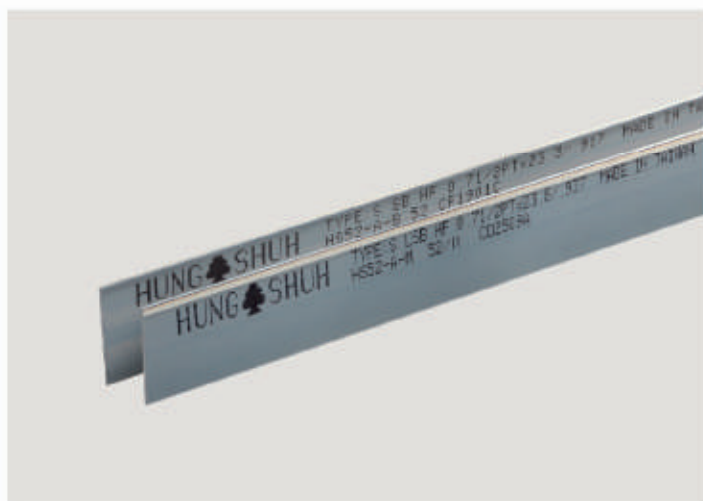


CB



LCB

Thickness (mm)	Model No.	Hardness (HV)		Height (mm)	Angle
		Body	Edge		
0.45	GR-52A	380	600	23.6 / 23.8	42°
0.53	GR-52A	380	600	23.6 / 23.8	42°
0.71	GR-45A	320	600	23.6 / 23.8	42° / 52°
	GR-48A	340	600		
	GR-52A	380	600		
	GR-52E	380	700		
	GR-55A	400	600		
1.06	GR-48A	340	600	23.6 / 23.8	42° / 52°
	GR-48S	340	670		
	GR-52A	380	600		
1.42	GR-48A	340	600	23.6 / 23.8	52°



Side Bevel Rule

TYPE-S

1 / Straight cutting surface and precise cutting point.

2 / Suitable for thick materials.

Applications : Sticky Notes, Leathers, EVA, EPE, Puzzles and Facial Masks.

Side Bevel Rule

Bevel Profiles	SB	LSB
Thickness	0.71mm ~ 1.42mm	
Height	22.8mm ~ 23.8mm	
Angle	42°, 51°, 52°	
Body Hardness	HS48 , HS52 , HS55 , HS60	
Edge Hardness	HS74 ~ HS81	



Sharp



Clean Cutting
Faces



Precise Cutting
Point



Less Dust



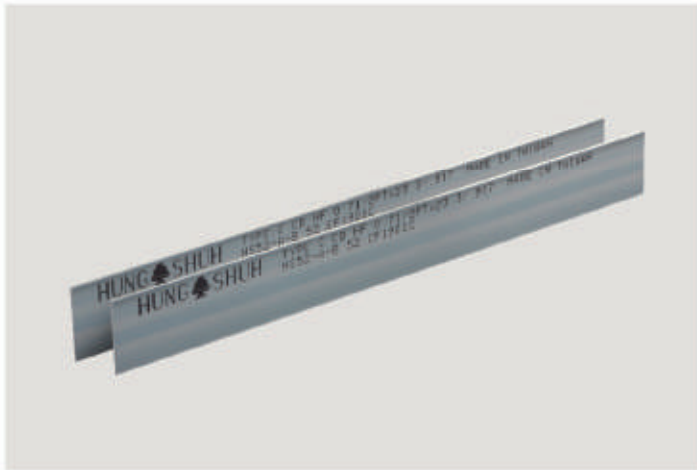
SB



LSB

Thickness (mm)	Model No.	Hardness (HV)		Height (mm)	Angle
		Body	Edge		
0.71	S-52A	380	600	23.6 / 23.8	42° / 52°
	S-55A	400	600		
1.06	S-48A	340	600	23.6 / 23.8	42° / 52°
	S-52A	380	600		
	S-52E	380	700		
	S-55A	400	600		
1.42	S-48A	340	600	23.6 / 23.8	52°





Center Bevel Rule

Bevel Profiles	CB
Thickness	0.45mm ~ 1.42mm
Height	22.8mm ~ 23.8mm
Angle	42°, 52°
Body Hardness	HS48 , HS52 , HS55 , HS60
Edge Hardness	HS74 ~ HS81



Cost Efficiency



High Durability



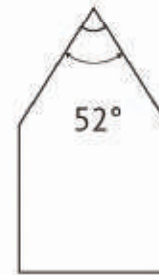
Superb Flexibility

Center Bevel Rule

TYPE-C

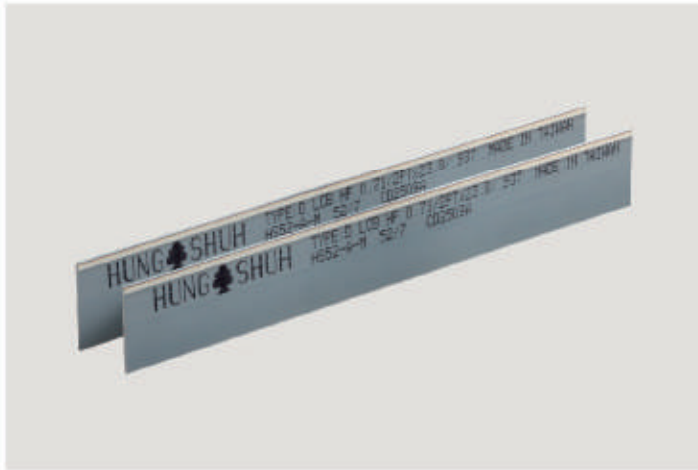
- 1 / A reliable product with enduring and robust characteristics.
- 2 / Thick primary bevel edges enhance durability, ensuring long-lasting performance.
- 3 / Reducing the frequency of changing rules and improving productivity.
- 4 / Superb flexibility enables easy manipulation of small-angle objects.
- 5 / A durable blade edge ensures extended cutting life for maximum efficiency and performance.

Applications : Corrugated Boxes, Cardboards, Stickers, and Paper Boxes.



CB

Thickness (mm)	Model No.	Hardness (HV)		Height (mm)	Angle
		Body	Edge		
0.45	C-52A	380	600	23.6 / 23.8	42°
0.53	C-52A	380	600	23.6 / 23.8	42° / 52°
0.71	C-45H	320	640	23.6 / 23.8	42° / 52°
	C-45S	320	670		
	C-48A	340	600		
	C-48S	340	670		
	C-48E	340	700		
	C-52A	380	600		
	C-52H	380	640		
	C-52S	380	670		
	C-52E	380	700		
1.06	C-48A	340	600	23.6 / 23.8	42° / 52°
	C-48S	340	670		
	C-52A	380	600		
1.42	C-48A	340	600	23.6 / 23.8	42° / 52°



Long Center Bevel Rule

TYPE-D

- 1 / Commonly used and widely adopted.
- 2 / The innovative Long Center Bevel design minimizes cutting friction.
- 3 / Precise processing provides consistent height, minimizing the patch-up time.
- 4 / Edge hardening ensures long cutting life.

Applications: Corrugated Boxes, Cardboards, Stickers, Sponges, and Paper Boxes.

Long Center Bevel Rule

Bevel Profiles	LCB
Thickness	0.53mm ~ 1.42mm
Height	22.8mm ~ 23.8mm
Angle	42°, 52°
Body Hardness	HS48 , HS52 , HS55 , HS60
Edge Hardness	HS74 ~ HS81



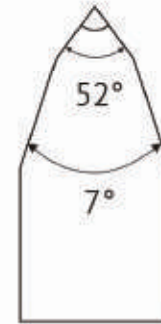
Cost Efficiency



High Durability



Superb Flexibility



LCB

Thickness (mm)	Model No.	Hardness (HV)		Height (mm)	Angle
		Body	Edge		
0.53	D-52A	380	600	23.6 / 23.8	52°
0.71	D-48A	340	600	23.6 / 23.8	42° / 52°
	D-48S	340	670		
	D-52A	380	600		
	D-55A	400	600		
	D-60A	450	600		
1.06	D-48A	340	600	23.6 / 23.8	42° / 52°
	D-48S	340	670		
	D-52A	380	600		
	D-55A	400	600		
	D-55E	400	700		
1.42	D-48A	340	600	23.6 / 23.8	42° / 52°



We offer various customization options to meet your needs, including special profiles, sizes, and materials.



Creasing Rule

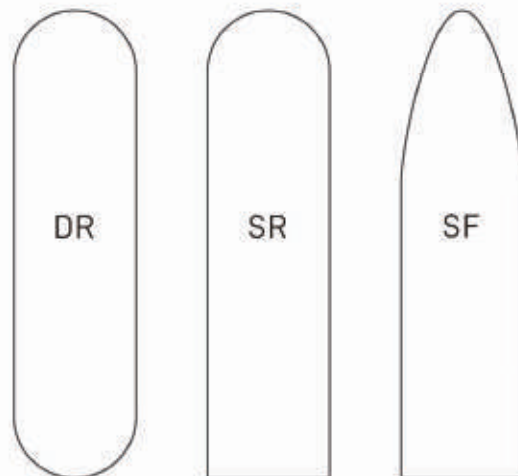
TYPE-E

- 1 / Excellent radius profile.
- 2 / Very smooth creasing head.
- 3 / Minimum height tolerance.

Applications : Packaging Containers,
Plastic Boxes and Blisters.

Creasing Rule

Bevel Profiles	SR	DR	SF
Thickness	0.53mm ~ 1.42mm		
Height	22.0mm ~ 24.35mm		
Body Hardness	HS38 , HS45 HS48 , HS52 , HS55 , HS60		



High Durability



Long Run



Precise Cutting
Point

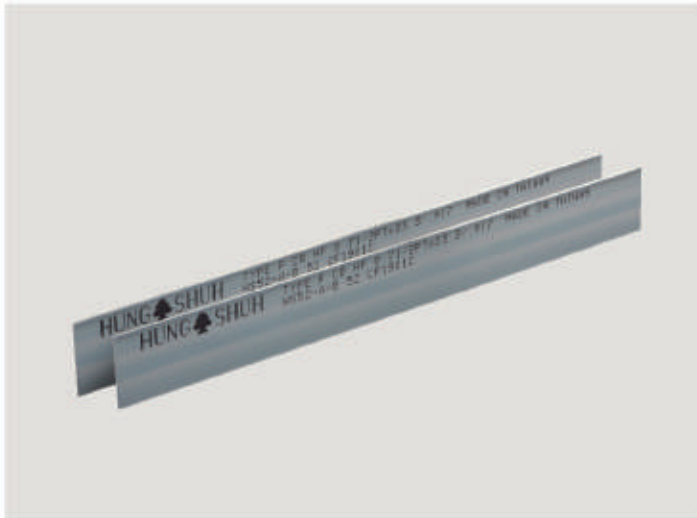


Precise
Height

Thickness (mm)	Model No.	Body Hardness (HV)	Bevel Profiles	Height (mm)	Angle
0.71	E-48	340	SR / DR / SF	22.8 / 23.1	-
	E-52	380			
	E-55	400			
	E-60	450			
1.06	E-48	340	SR / DR / SF	22.8 / 23.1	-
	E-52	380			
1.42	E-40	270	SR / DR / SF	22.8 / 23.1	-
	E-45	320			
	E-48	340			



Our steel-cutting guidelines can be precisely tailored with a high accuracy of 0.01 mm.



Infinity Cut

TYPE-F

- 1 / Round edge (R = 0.018mm) provides consistent sharpness.
- 2 / A unique round edge reduces angel hair.
- 3 / The cutting lifespan can be extended beyond 2 million cuts by significantly decreasing die-cutting stress damage.

Applications : Medicine Boxes,
Cigarette Boxes and Makeup Boxes.

Infinity Cut

Bevel Profiles	CB	LCB
Thickness	0.71mm ~ 1.06mm	
Height	22.8mm ~ 23.8mm	
Angle	42°, 52°	
Body Hardness	HS48 , HS52 , HS55 , HS60	
Edge Hardness	HS74 ~ HS81	



Cost Efficiency



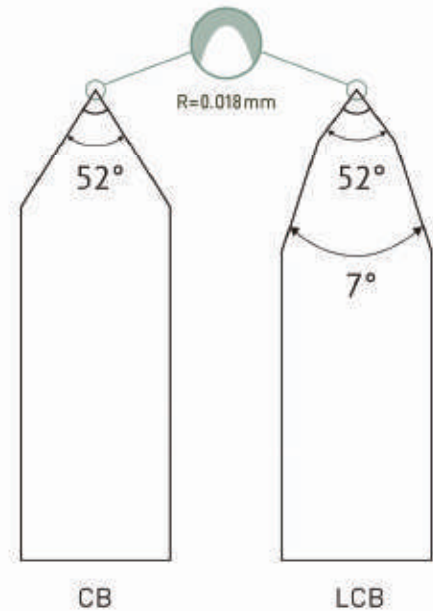
High Durability



Superb Flexibility



Long Run



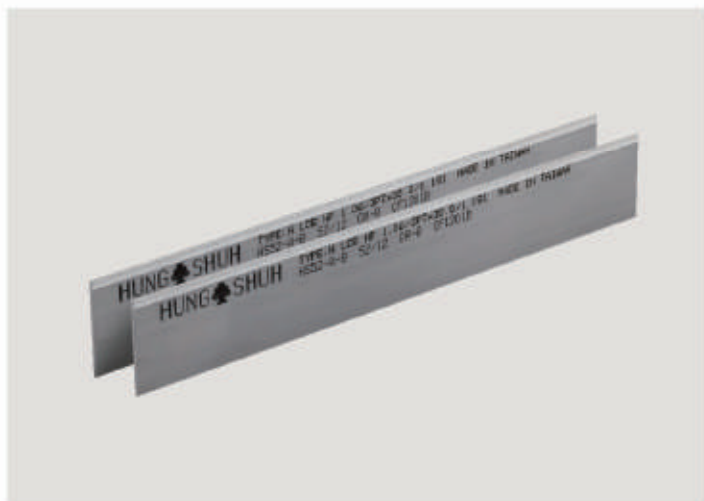
CB

LCB

Thickness (mm)	Model No.	Hardness (HV)		Height (mm)	Angle
		Body	Edge		
0.71	F-48A	340	600	23.6 / 23.8	42° / 52°
	F-52A	380	600		
	F-52H	380	640		
	F-52S	380	670		
	F-55H	400	640		
1.06	F-45H	320	640	23.6 / 23.8	42° / 52°
	F-48H	340	640		
	F-52H	380	640		



We offer various customization options to meet your needs, including special profiles, sizes, and materials.



High Rule

Bevel Profiles	CB	LCB
Thickness	0.71mm ~ 1.42mm	
Height	30mm ~ 50mm	
Angle	42°, 52°	
Body Hardness	HS48 , HS52 , HS55 , HS60	
Edge Hardness	HS74 ~ HS81	



Sharp



Clean Cutting
Faces



Thick
Materials

High Rule

TYPE-H

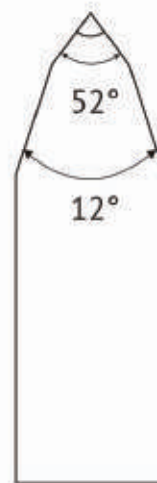
- 1 / Our high rule can cut a diverse range of materials, particularly those that are thicker in nature.
- 2 / The implementation of vertical grinding lines results in a reduction of friction.

Applications :

EVA, Sponges, and Cushion Packagings



CB



LCB

Thickness (mm)	Model No.	Hardness (HV)		Height (mm)	Angle
		Body	Edge		
0.71	H-52A	380	600	30 / 32 / 35 / 40 / 50	42° / 52°
	H-60E	450	700		
1.06	H-48A	340	600	30 / 32 / 35 / 40 / 50	42° / 52°
	H-48S	340	670		
	H-52A	380	600		
	H-55A	400	600		
	H-55S	400	670		
	H-55E	400	700		
	H-60E	450	700		
1.42	H-48A	340	600	30 / 32 / 35 / 40 / 50	42° / 52°



We offer various customization options to meet your needs, including special profiles, sizes, and materials.

Features of Rules							
TYPE	C	D	F	GR	S	H	SG
Long Cutting Lifetime	●	●	●				●
Clean Cut					●		●
Excellent Bendability	●	●	●	●			●
Less Angel Hair and Dusting			●	●	●	●	●
Great Cost Efficiency	●	●	●				

Summary of Cutting Materials							
TYPE	C	D	F	GR	S	H	SG
Cardboards	●	●		●	●	●	●
Corrugated Boxes	●	●		●	●	●	
Cigarette Boxes			●	●	●		●
Laminated Papers				●	●		●
Leathers				●	●	●	●
Gaskets					●		●
Blisters				●	●	●	●
Films							●
Medical / Makeup Boxes				●	●		●
Paper Containers				●	●	●	●
Sponges	●	●		●	●	●	●
Conductive / Insulation Fabrics							●
Soft Magnets							●
Screen Protectors							●
Wool Blankets							●
Cushion Packagings				●		●	●
Flexible Printed Circuit							●
Puzzles				●	●		●
Panel-related							●
Honeycomb Boards						●	●
Sticky Notes					●	●	●
Cards	●	●	●	●	●		●
Coasters				●	●	●	●
Semiconductor Related Materials							●

Standard Height Rule (23.6/23.8mm)

Thickness(mm/pt)		Height(mm)	1m Length (M)	Weight(kg)	Coil(M)	Weight(kg)
0.45mm	1.27pt	23.6 / 23.8	150	12.51	100	8.34
0.53mm	1.5pt		130	12.76	100	9.82
0.71mm	2pt		100	13.15	100	13.15
1.06mm	3pt		70	13.75	70	13.75
1.42mm	4pt		50	13.15	50	13.15

High Rule

Thickness(mm/pt)		Height(mm)	1m Length (M)	Weight(kg)	Coil(M)	Weight(kg)
0.71mm	2pt	30.0~50.0	70	11.70~19.51	50	8.36~13.93
1.06mm	3pt		50	12.48~20.80	50	12.48~20.80
1.42mm	4pt		35	11.70~19.51	30	10.03~16.72

Coil Diameter

Thickness(mm/pt)		Coil(M)	Inside Diameter(ID)	Outside Diameter(OD)
0.71mm	2pt	100	360mm	470mm
1.06mm	3pt	70	360mm	450mm



Anti-Clockwise



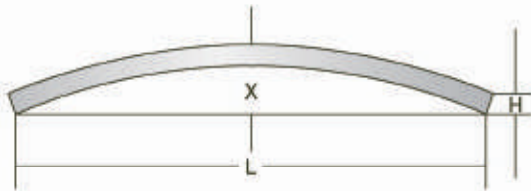
Clockwise



The Schematic Diagram of Coil & 1 Meter Length

◆ Straightness

When the length(L) = 1,000 mm, the max. of X is 0.5 mm.

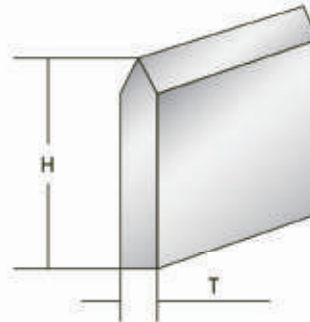


Height

Tolerance

No Limit

±0.02mm



◆ Coilset

Measured a straight rule at the freely suspended condition.

When the length(L) = 1,000 mm, the maximum of the X is 10 mm.

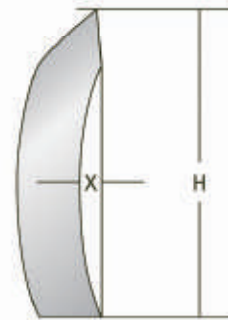
PS : Cut lengths only.



◆ Flatness

The maximum of X = Height(H) x 0.001 mm.

Ex : A height 23.8 mm rule, the maximum flatness tolerance is 0.024 mm (23.8 mm x 0.001 mm = apx. 0.024 mm).



Thickness

Tolerance

0.45mm / 1.27pt

±0.015mm

0.53mm / 1.5pt

±0.015mm

0.71mm / 2pt

±0.015mm

1.06mm / 3pt

±0.020mm

1.42mm / 4pt

±0.025mm

Tube Punch

	Spring Punch			
	Edge Diameter (φmm)	Interval (mm)	Bevel	Outside Diameter (mm)
	1.0~2.0	0.5	Center	2.5mm
	2.5~12.0	0.5	Center	Edge diameter +0.5mm

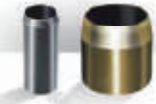
	Tube Punch			
	Edge Diameter (φmm)	Interval (mm)	Bevel	Outside Diameter (mm)
	1.0~50.0	0.5	Center	Edge diameter +0.7mm
	1.0~50.0	0.5	Center	Customize

	Tube "Outside Bevel"		
	Edge Diameter (φmm)	Bevel	Outside Diameter (mm)
	1.0~12.0	Outside bevel	Edge diameter +2mm
	1.0~12.0	Outside bevel	Customize

	Tube "Inside Bevel"		
	Edge Diameter (φmm)	Bevel	Outside Diameter (mm)
	2.0~20.0	Inside bevel	Same as the Edge diameter

	Side Outlet / Self Eject		
	Edge Diameter (φmm)	Bevel	Outside Diameter (mm)
	1.0~1.5	Outside bevel	4mm
	1.6~12.0	Outside bevel	Edge diameter +3mm
	1.6~12.0	Outside bevel	Customize

	Registration Guide Pins		
	Pin Diameter (φmm)	Height (mm)	Outside Diameter (mm)
	2.0	29	Edge diameter +4mm
	3.0	29	Edge diameter +4mm
	4.0	29	Edge diameter +4mm
2.0 / 3.0 4.0	Customize	Customize	

	Back Clear / Feed Through	
	Edge Diameter (φmm)	Outside Diameter (mm)
	1.0~12.0	Edge diameter +3mm
	1.0~12.0	Customize

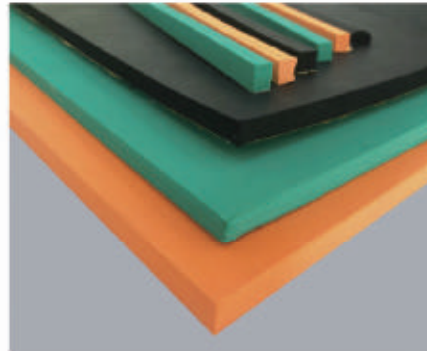
	Engraving Punch
	• Made by CNC with special stainless steel. • Cut size: Regular size or any fancy design • Outside diameter: Upon requirements

Ejection Sponge



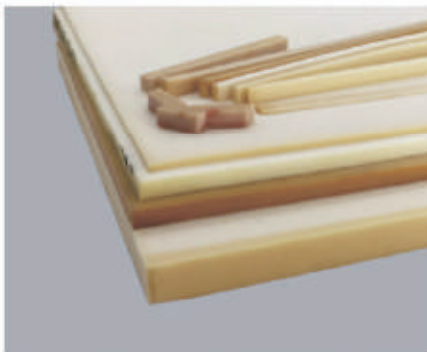
Profiled Rubber

Hardness	color
70°	White



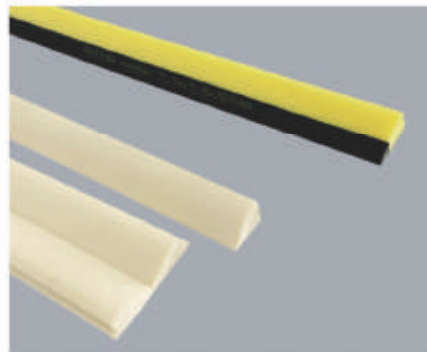
Ejection Rubber

Hardness	color
35°	Green
45°	Orange



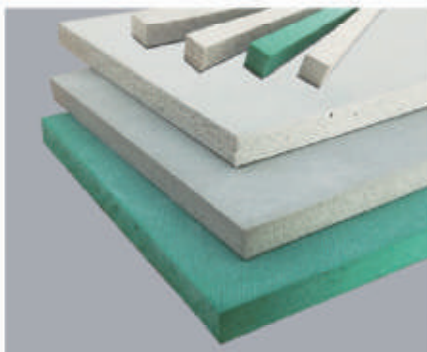
Cell Polyurethane Vulkollan®

Hardness	color
45°	White
55°	Yellow



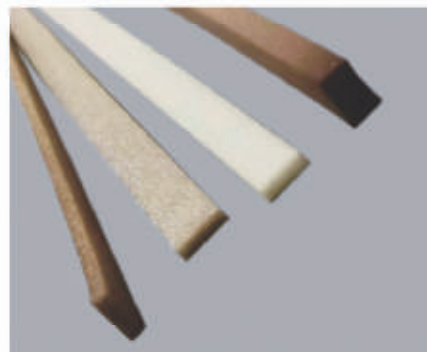
Cushion Crease

Hardness	color
55°	Black
70°	White



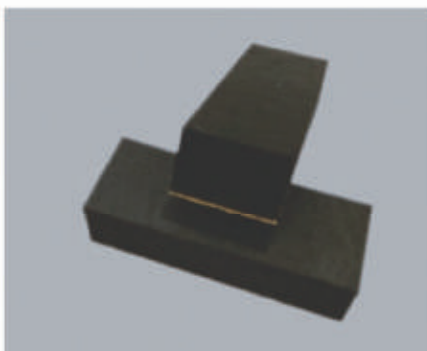
Open Cell Sponge

Hardness	color
35°	Grey
45°	Dark grey
55°	Green



Narrow Seam Rubber Vulkollan®

Hardness	color
50°	White
55°	Yellow
65°	Yellow



Cell Rubber EPDM

Hardness	color
20°	Black



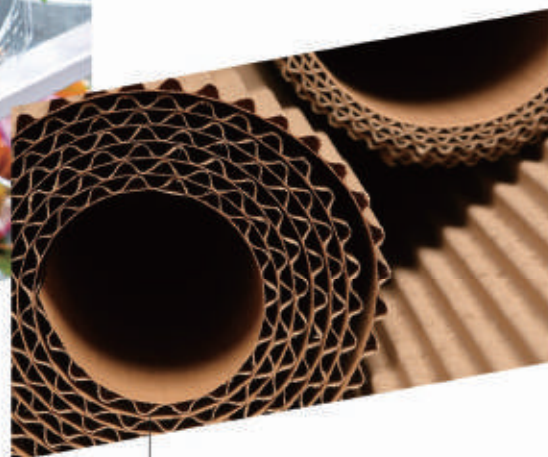
PU Sponge

Hardness	color
55°	White

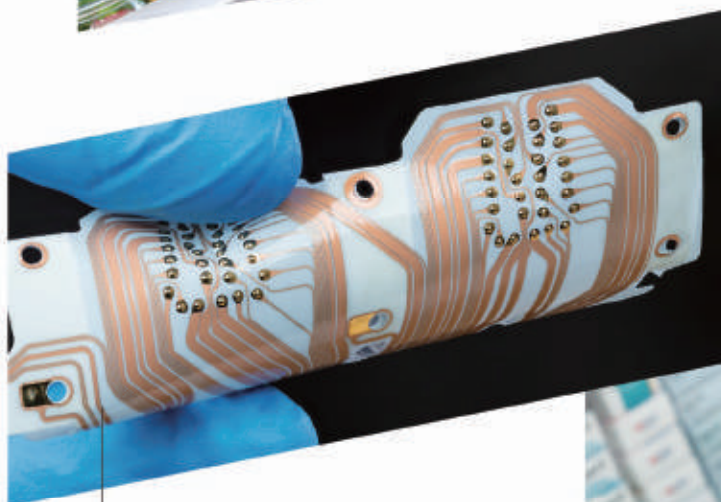
Non-Woven Fabric | Felt



PET | PP | PVC | PE | OPS



Corrugated Box



Flexible Printed Circuits



PTP | CFF



PVC | PU | Leather



Gasket | Packing



EVA | PE

