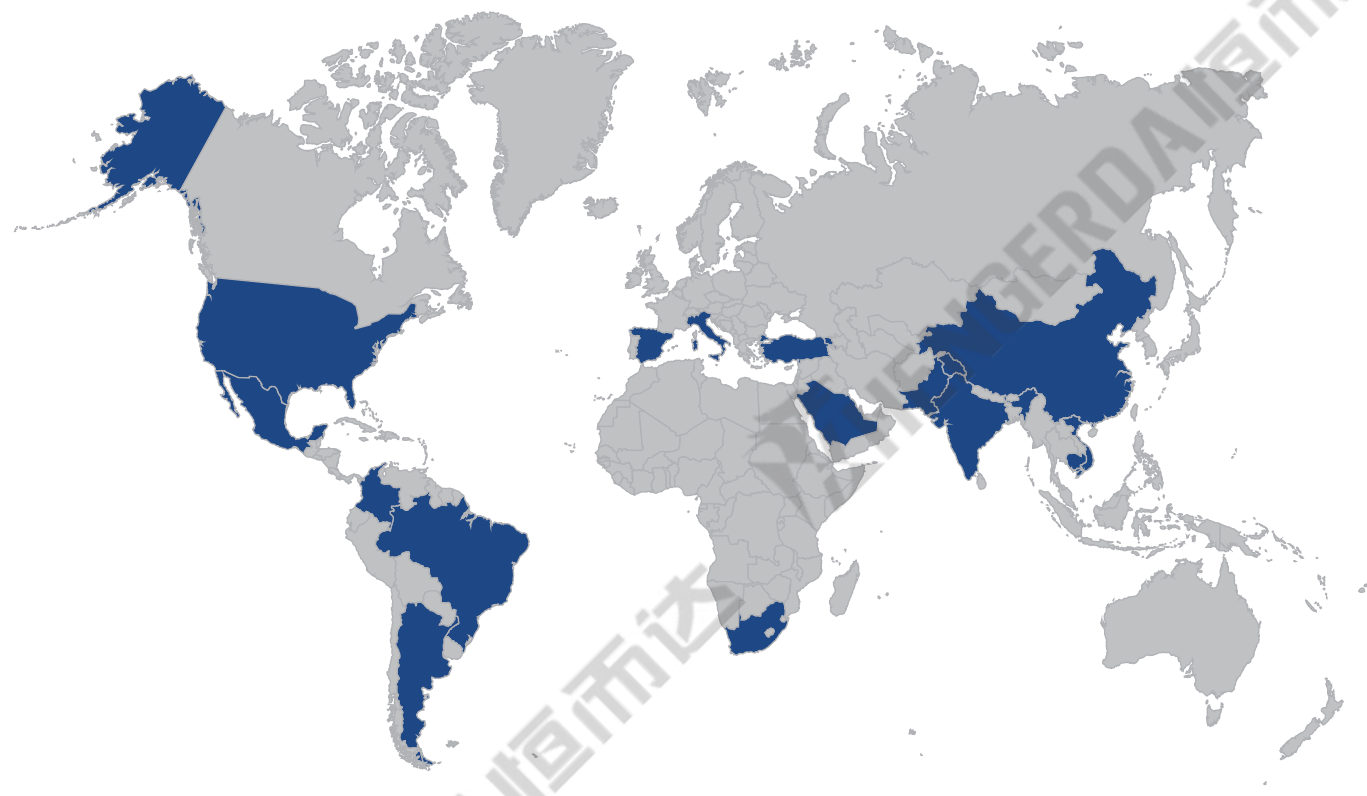


V1.1



STEEL RULES

DOMESTIC SALES

👤 Contact: 李女士
☎ Tel: 0594 2990666
📠 Fax: 0594 2997566
✉ E-mail: sr@hengerda.com



INTERNATIONAL SALES

👤 Contact: Jane Wu
☎ Tel: +86 594 2999566
📠 Fax: +86 594 2997566
✉ E-mail: intl.trade@hengerda.com

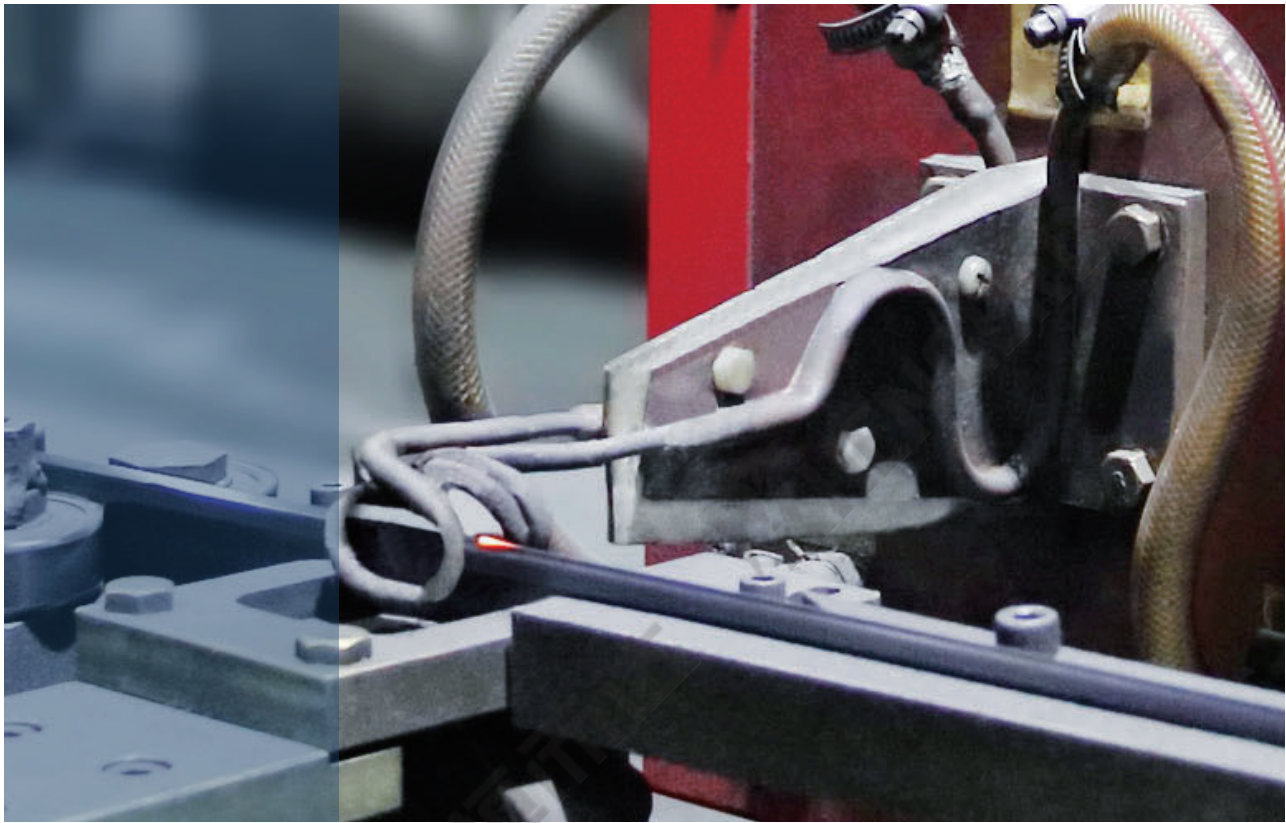


📍 Add: No.228 Tingdaowei Street, Xindu Village, Xindu Town, Licheng District, Putian City, Fujian, China

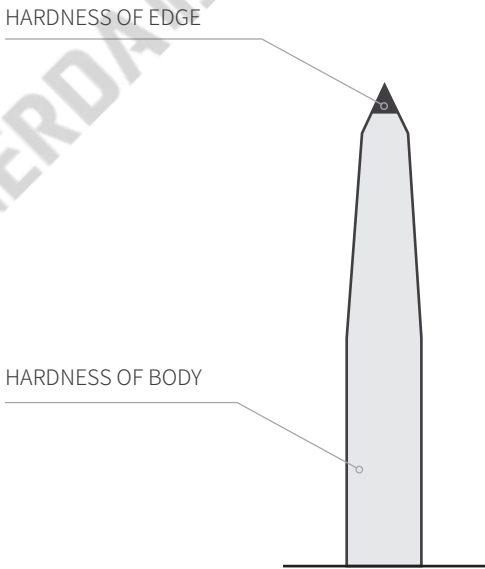
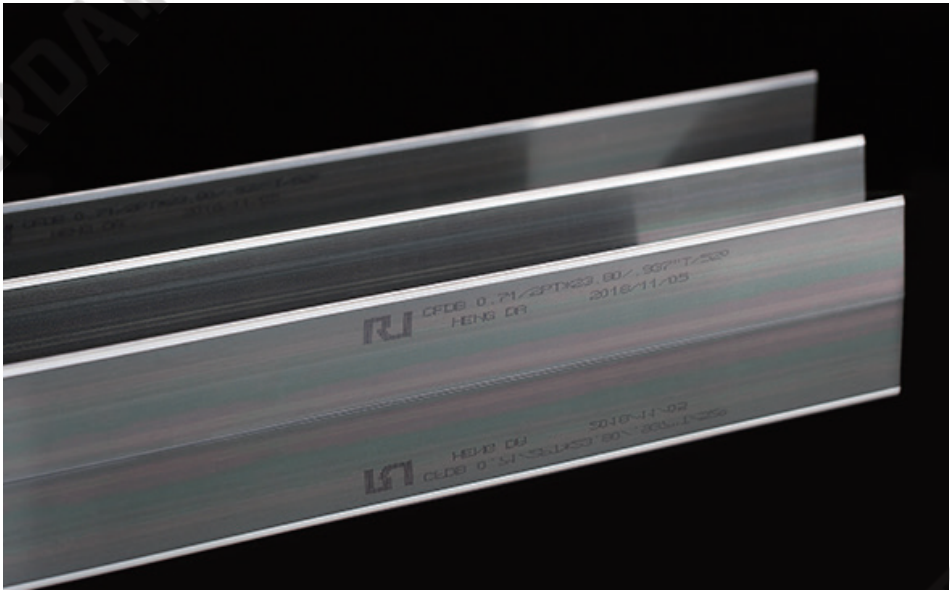


HENDERDA NEW MATERIALS (FUJIAN) CO., LTD.

PRODUCT INTRODUCTION



Steel rules utilize materials with superior quality. The edge sharpness of shaved and ground bevels got enhanced by high-frequency quenching. The proper combination of edge and body hardness ensures high performance and longer lifetime of products. Hengda can also increase body hardness to 45HRC while maintaining high toughness of the product according to customer requirements.



HARDNESS OF EDGE
56-60HRC

HARDNESS OF BODY
33-35HRC
36-38HRC
39-41HRC
42-45HRC

PRODUCT SPECIFICATIONS & TECHNICAL INFO



Hengda can provide customized products according to customer's requirements.

CB - Center Bevel

Thickness	0.71mm (2pt)	1.05mm(3pt)	1.42mm(4pt)	 CB	
Height	15.9mm—50.0mm				
Body hardness	HRC 33—35	HRC 36—38	HRC 39—41		HRC 42—45
Edge hardness	HV 620-700(HRC 56-60)				
Bevel type	CB				
Bevel finish	shaved		ground		
Edge angle	30°/42°/ 52°				
Body color	black / gold / white				
Applications	packing materials thickness smaller than 0.5mm.				

CFDB - Center Face, Double Bevel

Thickness	0.71mm (2pt)	1.05mm(3pt)	1.42mm(4pt)
Height	15.9mm—80.0mm		
Body hardness	HRC 33—35	HRC 36—38	HRC 39—41 HRC 42—45
Edge hardness	HV 620-700(HRC 56-60)		
Bevel type	(white/black edge)		
Bevel finish	shaved	ground	fine ground
Edge angle	42°/ 52°/62°		
Body color	black / gold / white		
Applications	plastic laminated paper, stickers, paperboards, corrugated boards, gaskets, PVC materials, electronics, rubber, puzzles, plastics (PET, vacumm formed), leather, cigarette packs, etc.		



CFDB

Label Rule

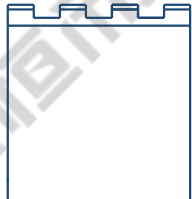
Thickness	0.45mm (1.3pt)		0.53mm(1.5pt)	
Height	7.0mm—12.0mm			
Body hardness	HRC 33—35	HRC 36—38	HRC 39—41	HRC 42—45
Edge hardness	HV 620-700(HRC 56-60)			
Bevel type	(white/black edge)			
Bevel finish	shaved		ground	
Edge angle	42°/52°			
Body color	black / gold / white			
Applications	labels, plastic sheets, etc.			


CB

SFDB - Side Face, Double Bevel

Thickness	0.71mm (2pt)	1.05mm(3pt)	1.42mm(4pt)	 SFDB	
Height	22.8mm—80.0mm				
Body hardness	HRC 33—35	HRC 36—38	HRC 39—41		HRC 42—45
Edge hardness	HV 620-700(HRC 56-60)				
Bevel type	SFDB				
Bevel finish	shaved		ground		
Edge angle	52°				
Body color	black / gold / white				
Applications	thin and continuous stationery, toys, boards, suitable for cutting materials where straight/vertical cut is required.				

PR - Perforating Rule

Thickness	0.71mm (2pt)	1.05mm(3pt)	1.42mm(4pt)	 PR	
Height	22.0mm—100.0mm				
Spacing (tooth/gap)	0.24×0.6 0.8×0.8 0.8×3.2 1.1×1.1 1×1.5 1.5×1.5 1.5×2 2×2 3×3 4×4 5×5 5×8 6×6 8×8 10×10 12x12				
Body hardness	HRC 30—32	HRC 33—35	HRC 36—38		HRC 39—41
Edge hardness	HV 620-700(HRC 56-60)				
Bevel type	CFDB				
Edge angle	52°				
Back execution	SNN / SN / CN				
Packaging	length 20m/25m/30m/50m/70m/100m, diameter 180-800mm or on request				
Applications	cardboards, continuous stationery, corrugated boards, tear-off labels, etc.				

SB - Side Bevel

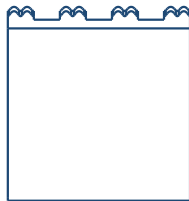
Thickness	0.71mm (2pt)	1.05mm(3pt)	1.42mm(4pt)
Height	22.8mm—80.0mm		
Body hardness	HRC 33—35	HRC 36—38	HRC 39—41 HRC 42—45
Edge hardness	HV 620-700(HRC 56-60)		
Bevel type	SB		
Bevel finish	shaved	ground	
Edge angle	42° / 52°		
Body color	black / gold / white		
Applications	stationery, toys, boards, suitable for cutting materials where straight/vertical cut is required.		



SB

PE

Thickness	0.71mm (2pt)	1.05mm(3pt)	1.42mm(4pt)
Height	22.0mm—100.0mm		
Spacing (tooth/gap)	3×3 5×5 5×8 6×6 8×8 10×5 10×10 12×12		
Body hardness	HRC 30—32	HRC 33—35	HRC 36—38
Edge hardness	HV 620-700(HRC 56-60)		
Tooth shape	round teeth, round gullets		
Edge angle	52°		
Back execution	SNN/ SN / CN		
Packaging	length 20m/25m/30m/50m/70m/100m, diameter 180-800mm or on request		
Applications	cardboards, corrugated board, woven bag thread, etc.		



PE

TR - Pointed Teeth/ Angular Gullets

Thickness	0.71mm (2pt)	1.05mm(3pt)	1.42mm(4pt)
Height	22.0mm—100.0mm		
Tooth number	6/8/10/12T/inch		
Body hardness	HRC 30—32	HRC 33—35	HRC 36—38 HRC 39—41
Edge hardness	HV 620-700(HRC 56-60)		
Tooth shape	pointed teeth, angular gullets		
Edge angle	52°		
Back execution	SNN / SN/ CN		
Packaging	length 20m/25m/30m/50m/70m/100m, diameter 180-800mm or on request		
Applications	thicker corrugated boards, heavy load cutting, etc.		



TR

ER - Round Teeth / Round Gullets

Thickness	0.71mm (2pt)	1.05mm(3pt)	1.42mm(4pt)
Height	22.0mm—100.0mm		
Tooth number	6/8/10/12T/inch		
Body hardness	HRC 30—32	HRC 33—35	HRC 36—38 HRC 39—41
Edge hardness	HV 620-700(HRC 56-60)		
Tooth shape	round teeth, round gullets		
Edge angle	52°		
Back execution	SNN / SN/ CN		
Packaging	length 20m/25m/30m/50m/70m/100m, diameter 180-800mm or on request		
Applications	thinner corrugated boards where smooth cut surfaces needed.		



ER

AR - Sharp Pointed Teeth / Round Gullets

Thickness	0.71mm (2pt)	1.05mm(3pt)	1.42mm(4pt)	 AR	
Height	22.0mm—100.0mm				
Tooth number	6/8/10/12T/inch				
Body hardness	HRC 30—32	HRC 33—35	HRC 36—38		HRC 39—41
Edge hardness	HV 620-700(HRC 56-60)				
Tooth shape	sharp pointed teeth, round gutlets				
Edge angle	52°				
Back execution	SNN / SN/ CN				
Packaging	length 20m/25m/30m/50m/70m/100m, diameter 180-800mm or on request				
Applications	tear-off and folding of heavy load corrugated boards, etc.				

KT

Thickness	0.71mm (2pt)	1.05mm(3pt)	1.42mm(4pt)	 KT	
Height	22.0mm—100.0mm				
Tooth number	6/8/10/12T/inch				
Body hardness	HRC 30—32	HRC 33—35	HRC 36—38		HRC 39—41
Edge hardness	HV 620-700(HRC 56-60)				
Tooth shape	side face, pointed teeth, angular gutlets				
Back execution	SNN / SN/ CN				
Packaging	length 20m/25m/30m/50m/70m/100m, diameter 180-800mm or on request				
Applications	corrugated boards where vertical/straight cuts needed.				

KA

Thickness	0.71mm (2pt)	1.05mm(3pt)	1.42mm(4pt)	 KA	
Height	22.0mm—100.0mm				
Tooth number	6/8/10/12T/inch				
Body hardness	HRC 30—32	HRC 33—35	HRC 36—38		HRC 39—41
Edge hardness	HV 620-700(HRC 56-60)				
Tooth shape	side face, pointed teeth, round gullets				
Back execution	SNN / SN/ CN				
Packaging	length 20m/25m/30m/50m/70m/100m, diameter 180-800mm or on request				
Applications	thicker corrugated boards where vertical/straight cuts needed.				

KE

Thickness	0.71mm (2pt)		1.05mm(3pt)		1.42mm(4pt)	
Height	22.0mm—100.0mm					
Tooth number	6/8/10/12T/inch					
Body hardness	HRC 30—32		HRC 33—35		HRC 36—38 HRC 39—41	
Edge hardness	HV 620-700(HRC 56-60)					
Tooth shape	side face, round teeth, round gullets					
Back execution	SNN / SN/ CN					
Packaging	length 20m/25m/30m/50m/70m/100m, diameter 180-800mm or on request					
Applications	thinner corrugated boards where vertical/straight cuts needed.					

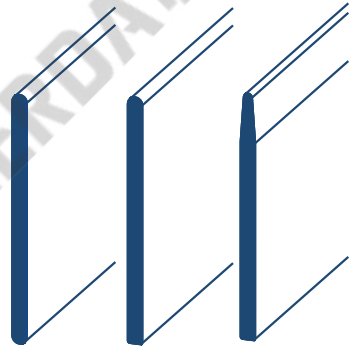


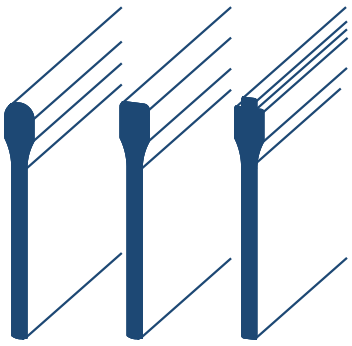
KE

PRODUCT SPECIFICATIONS & TECHNICAL INFO

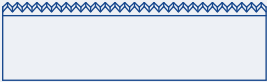
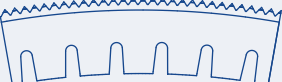
Hengda can provide customized products according to customer's requirements.

CREASING RULES

Profile	DR	SR	NT	 DR SR NT
Thickness	0.71mm(2pt)/1.05mm(3pt)/1.42mm(4pt)			
Height	20.0mm—26.0mm			
Body hardness	HRC 20—25	HRC 37—40	HRC 41—45	
Back execution	SNN / SN/ CN			
Packaging	length 30m/50m/70m/100m, diameter 180-800mm or on request			
Applications	DR/SR: paper box and carton creasing NT: tighter, smaller creases			

Profile	RT	FRT	PT	 RT FRT PT
Thickness	1.42mm/2.84mm(4pt/8pt)			
Height	20.0mm—24.4mm			
Body hardness	HRC 28—30	HRC 33—35	HRC 36—38	
Back execution	SNN / SN/ CN			
Packaging	length 30m/50m/70m/100m, diameter 180-800mm or on request			
Applications	wider creases, cardboards			

BACK EXECUTIONS

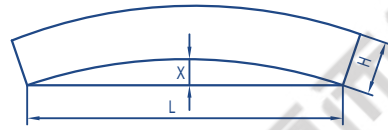
		
Straight, no notches(SNN)	Straight, with notches(SN)	Curved, with notches(CN)

PRODUCT TOLERANCE

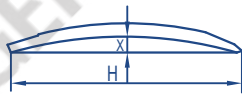
Height <35mm	±0.04mm
Height ≥35mm	±0.04mm
Straightness	±0.5mm/1m rule length L
Flatness	≤1.0‰ rule height H
Cross camber	Lengths: ±5mm/1m rule length L Coils: ±10mm/1m rule length L
Twist	±0.5mm/1m rule length L

THICKNESS TOLERANCE

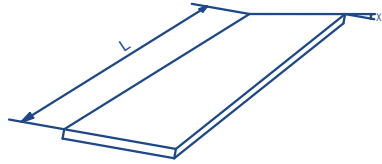
Thickness		Tolerance
mm	pt	
0.45	1.3	±0.020
0.53	1.5	±0.020
0.71	2	±0.020
1.05	3	±0.020
1.42	4	±0.028



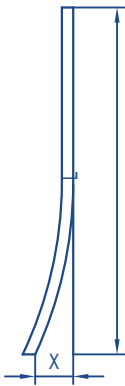
Straightness



Flatness



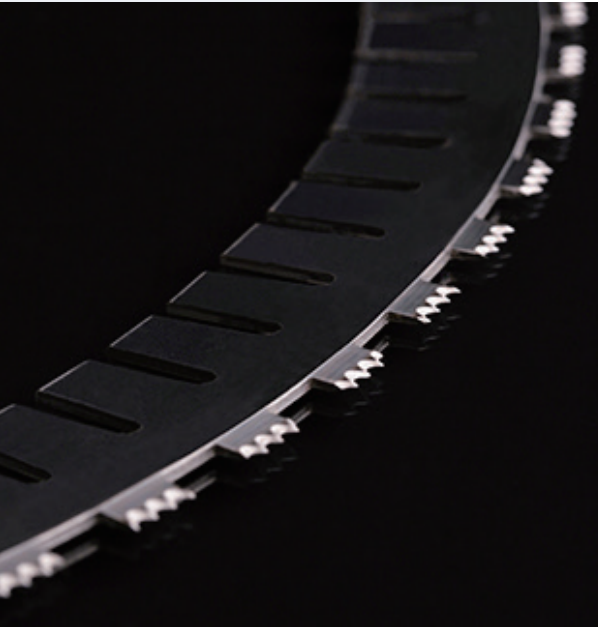
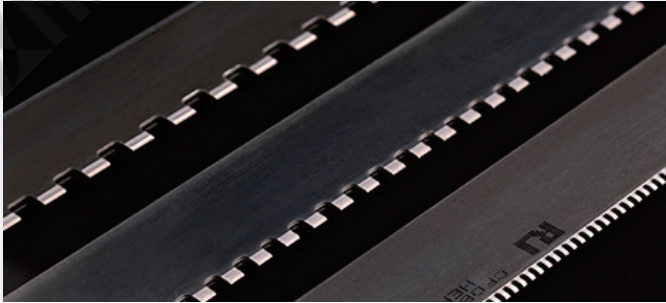
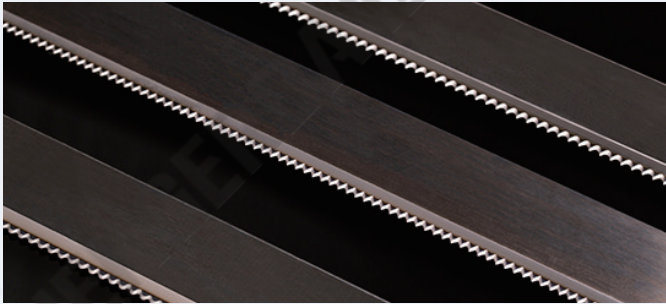
Twist



Cross camber

BENDABILITY

Thickness	Radius	HRC 33-35	HRC 36-38	HRC 39-41	HRC 42-45
0.45mm(1.3pt)	0.35	30	30	45	60
0.53mm(1.5pt)		30	30	45	60
0.71mm(2pt)		30	45	60	75
1.05mm(3pt)	0.50	40	50	-	-
1.42mm(4pt)		50	50	-	-

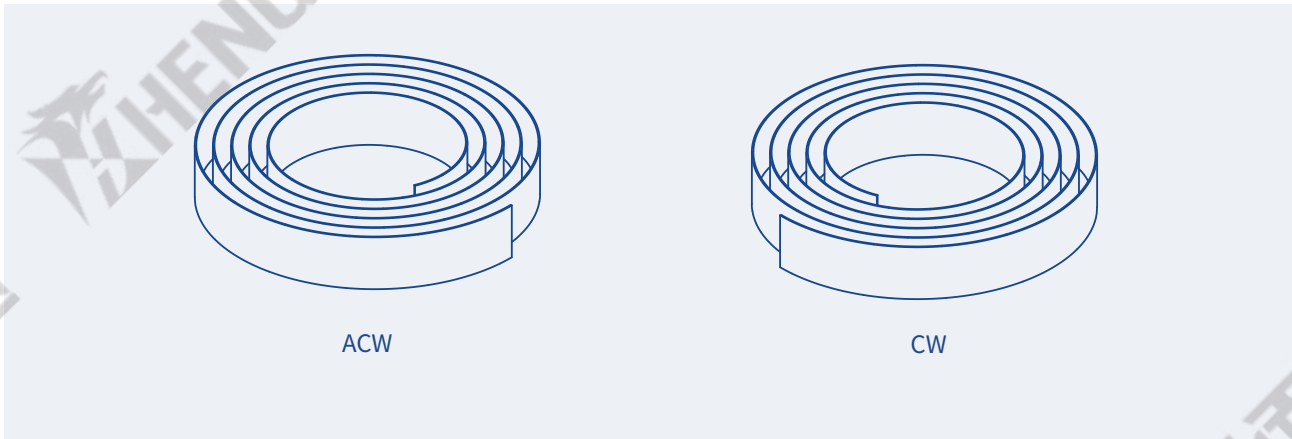


PRODUCT PACKAGE

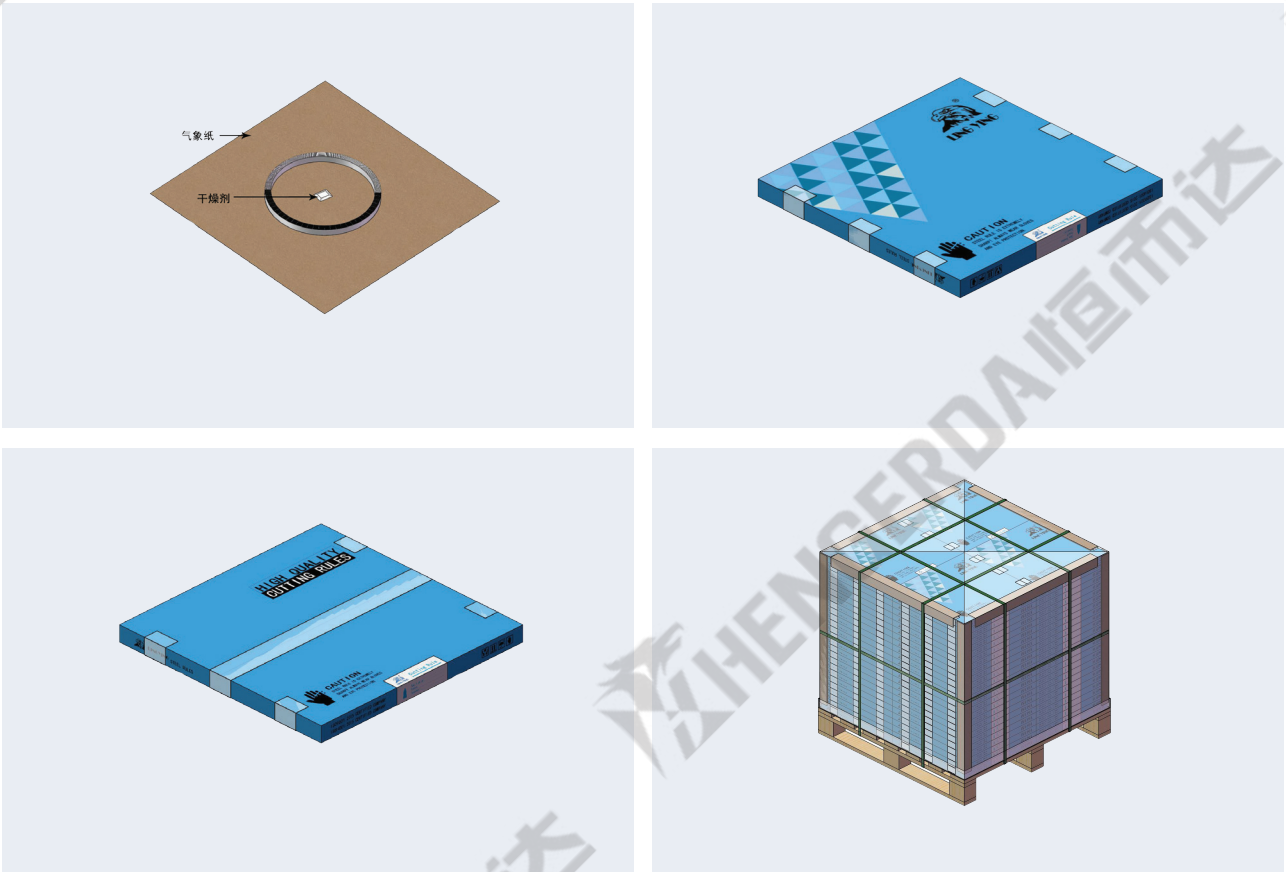
PACKAGING

Thickness (pt)	1.3		1.5		2		3		4	
Height (mm)	Coils	Lengths	Coils	Lengths	Coils	Lengths	Coils	Lengths	Coils	Lengths
≤23.80	150 m	150 m	120 m	120 m	100 m	100 m	70 m	70 m	50 m	50 m
30.00	-	-	-	-	100 m	100 m	70 m	70 m	50 m	50 m
31.75	-	-	-	-	100 m	100 m	70 m	70 m	50 m	50 m
32.00	-	-	-	-	100 m	100 m	70 m	70 m	50 m	50 m
35.00	-	-	-	-	70 m	70 m	50 m	50 m	50 m	50 m
36.00	-	-	-	-	70 m	70 m	50 m	50 m	50 m	50 m
40.00	-	-	-	-	50 m	50 m	50 m	50 m	50 m	50 m
50.00	-	-	-	-	50 m	50 m	50 m	50 m	50 m	50 m
60.00	-	-	-	-	50 m	50 m	30 m	30 m	30 m	30 m
70.00	-	-	-	-	50 m	50 m	30 m	30 m	30 m	30 m
80.00	-	-	-	-	50 m	50 m	30 m	30 m	25 m	25 m
100.00	-	-	-	-	50 m	50 m	30 m	30 m	25 m	25 m

Coils are available in clockwise and anti-clockwise direction.



PACKAGE



ISO CERTIFICATION



Obtained ISO9001:2015 Quality Management System Certification
Obtained ISO14001:2015 Environmental Management System Certification