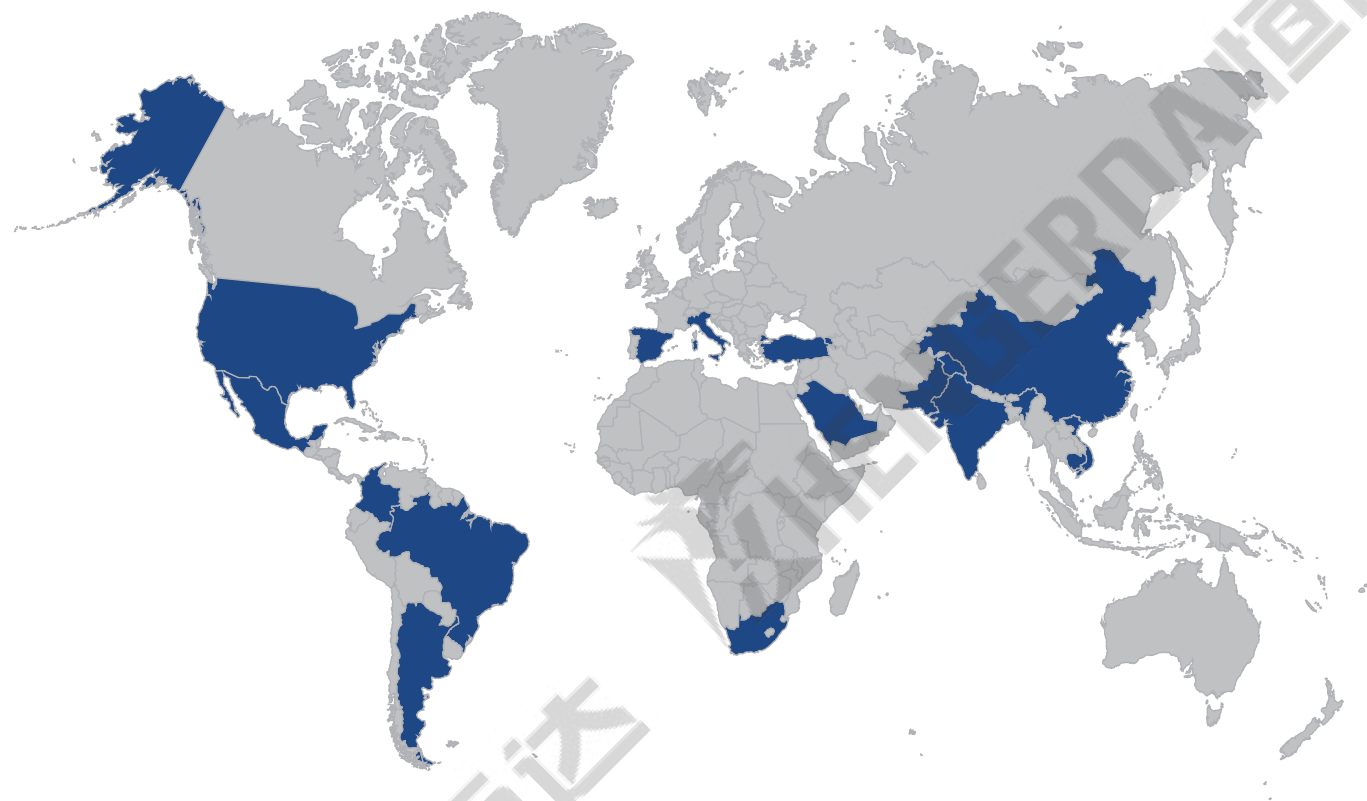


V1.0



RULE DIE STEEL

DOMESTIC SALES

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Hengerda New Materials (Fujian) Co., Ltd.

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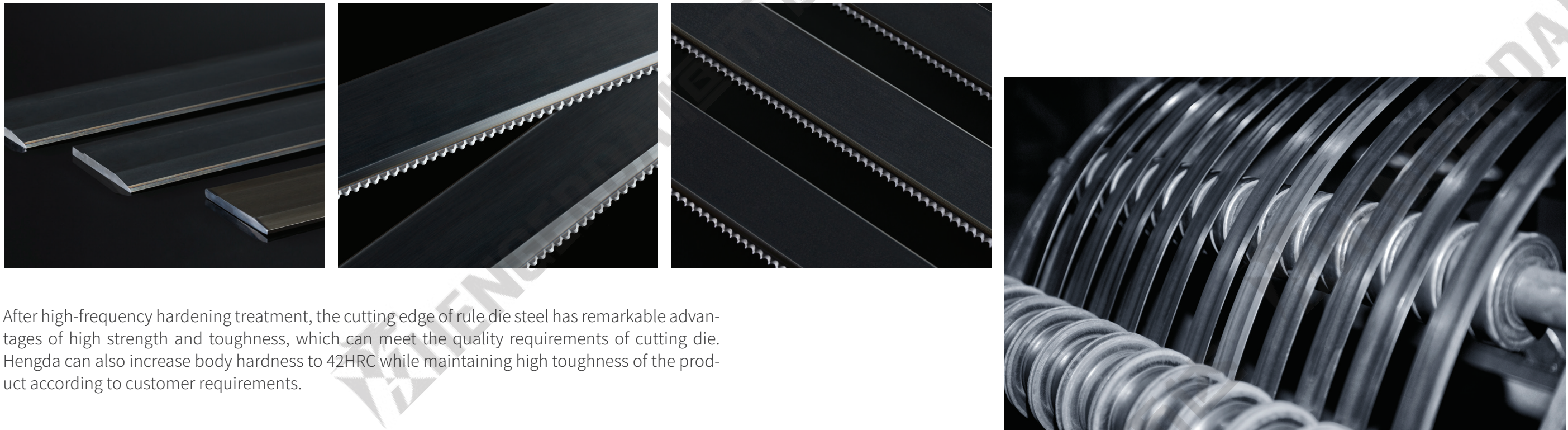
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PRODUCT INTRODUCTION

Innovation · Cooperation · Integrity · Win-Win



After high-frequency hardening treatment, the cutting edge of rule die steel has remarkable advantages of high strength and toughness, which can meet the quality requirements of cutting die. Hengda can also increase body hardness to 42HRC while maintaining high toughness of the product according to customer requirements.

HARDNESS OF EDGE

HARDNESS OF BODY

HARDNESS OF EDGE

510-570HV
50-54HRC

HARDNESS OF BODY

33-35HRC
36-38HRC
39-41HRC
40-42HRC

ISO CERTIFICATION

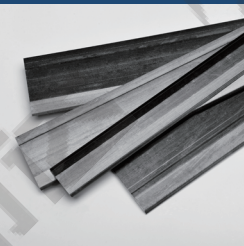


APPLICATIONS

Rule die steels are widely used in footwear, toys, bags, stationery and sporting goods, automotive interior trim and other industries.



UNLIMITED TRANSFORMABILITY INFINITE POSSIBILITIES



Select proper specifications



Processed into cutting dies



Materials cutting



End product

PRODUCT SPECIFICATION

BE

Thickness (mm)	2.0	2.3	2.5	2.7	3.0	3.5	4.0	 BE
Height (mm)	32/36	36	32/36/40/50	32/36	30/32/36/40/50	-	-	
Bendability 	30°	40°	40°	45°	60°	-	-	
Body hardness	HRC 36~39							
Edge hardness	HV 510~570 (HRC 50~54)							
Body color	black / gold							
Applications	artificial leather, genuine leather, plywood, rubber, multi-layer mid-sole, etc.							

TEG

Thickness (mm)	2.0	2.3	2.5	2.7	3.0	3.5	4.0
Height (mm)	32	-	32/50	-	32/50	-	50
Bendability 	30°	-	40°	-	60°	-	70°
Body hardness	HRC 36~39						
Edge hardness	HV 510~570 (HRC 50~54)						
Body color	black / gold						
Applications	automotive interior trims, polyester fiber, etc.						



TEG

BEF

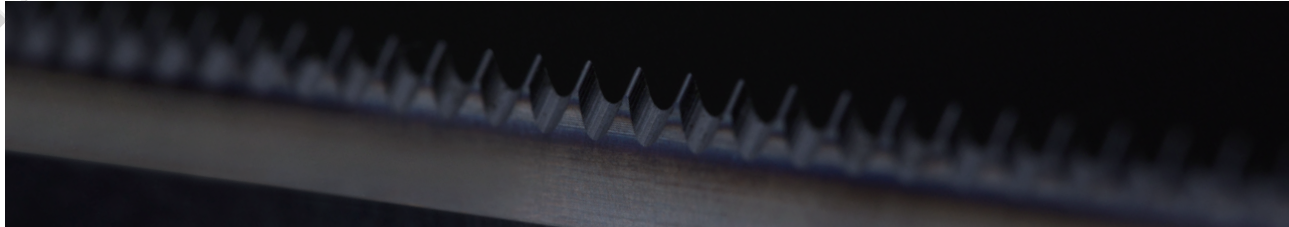
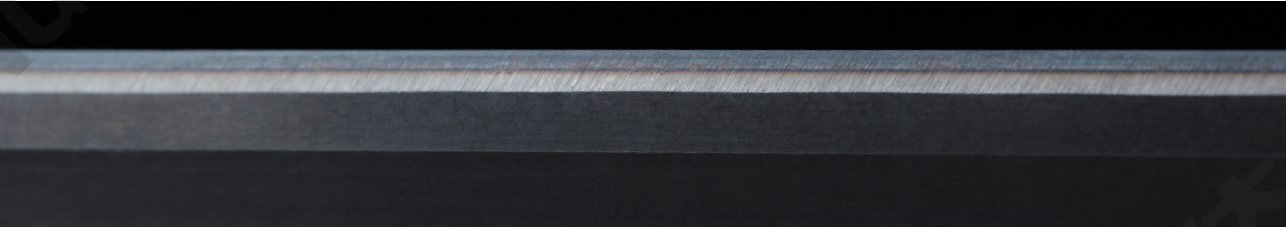
Thickness (mm)	2.0	2.3	2.5	2.7	2.7 Hard	3.0	3.0 Extra Hard	3.5	4.0
Height (mm)	19/20/23.8 30/32	-	19/25/30 32/40	36	36	19/32/36 40	36	32/36/40	32/36/40
Bendability 	30°	-	40°	45°	50°	60°	70°	70°	70°
Body hardness	HRC 36~39				HRC 40~42	HRC 36~39	HRC 40~42	HRC 36~39	
Edge hardness	HV 510~570 (HRC 50~54)								
Body color	black / gold								
Applications	artificial leather, genuine leather, plywood, rubber, outsole, mid-sole, bags, suitcases, clothing, etc.								

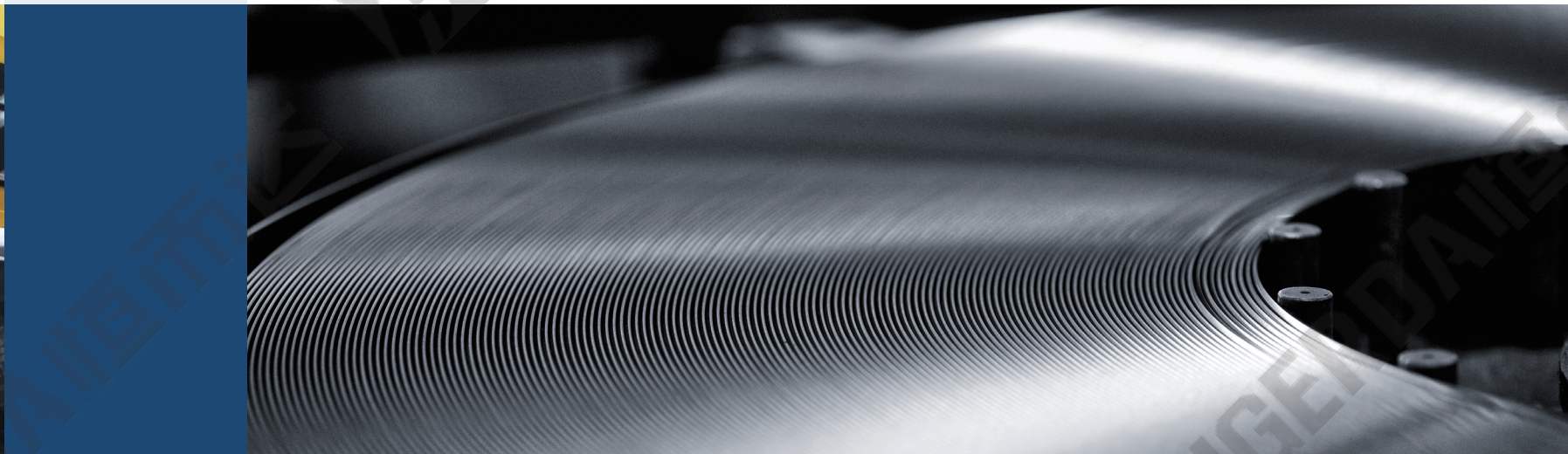

BEF

TE

Thickness	2.0	2.3	2.5	2.7	3.0	3.5	4.0
Height	32	-	32/50	-	32/50	-	36/40/50
Bendability 	30°	-	40°	-	60°	-	70°
Body hardness	HRC 36~39						
Edge hardness	HV 510~570 (HRC 50~54)						
Body color	black / gold						
Applications	thick cardboard, cork, plywood, multi-layer plastics, silk, etc.						


TE





BES

Thickness (mm)	2.0	2.3	2.5	2.7	3.0	3.5	4.0
Height (mm)	-	-	43	-	43	43	-
Bendability 	-	-	40°	-	60°	70°	-
Body hardness	HRC 36~39						
Edge hardness	HV 510~570 (HRC 50~54)						
Body color	black / gold						
Applications	artificial leather, genuine leather, plywood, rubber, outsole, mid-sole, bags, suitcases, etc.						


BES

BD

Thickness (mm)	2.0	2.3	2.5	2.7	3.0	3.5	4.0
Height (mm)	19/20/30/32	-	19/30/32	-	-	-	-
Bendability 	30°	-	40°	-	-	-	-
Body hardness	HRC 36~39						
Edge hardness	HV 510~570 (HRC 50~54)						
Body color	black / gold						
Applications	artificial leather, genuine leather, etc.						


BD

AE

Thickness (mm)	2.0	2.3	2.5	2.7	3.0	3.5	4.0
Height (mm)	19/20/30/32	-	19/32/36	-	19/32/36	-	-
Bendability 	30°	-	40°	-	60°	-	-
Body hardness	HRC 36~39						
Edge hardness	HV 510~570 (HRC 50~54)						
Body color	black / gold						
Applications	fiber materials, genuine leather, artificial leather, gaskets, rubber, silk, emery paper, etc.						


AE

TES

Thickness	2.0	2.3	2.5	2.7	3.0	3.5	4.0
Height	19/32	-	19/32	-	-	-	-
Tooth pitch	2(others on request)						
Bendability 	90°						
Body hardness	HRC 36~38						
Edge hardness	HV 510~570 (HRC 50~54)						
Applications	rubber, polyester fiber, elastic materials, etc.						


TES

TYPE 1

Thickness (mm)	2.0	2.3	2.5	2.7	3.0	3.5	4.0
Height (mm)	19/32/36	-	19/32/36	-	-	-	-
Tooth pitch (mm)	1/3, 1/4, 1/5, 1/6, 1/8, 1/10						
Bendability 	90°						
Body hardness	HRC 36~38						
Applications	leather lacework, tassels, etc.						



TYPE1

TYPE 2

Thickness (mm)	2.0	2.3	2.5	2.7	3.0	3.5	4.0	 TYPE2
Height (mm)	19/32/36	-	19/32/36	-	-	-	-	
Tooth pitch (mm)	2/3, 2/4, 2/5, 2/6, 2/8, 2/10							
Bendability 	90°							
Body hardness	HRC 36~38							
Applications	leather lacework, tassels, etc.							

TYPE 3

Thickness (mm)	2.0	2.3	2.5	2.7	3.0	3.5	4.0	 TYPE3
Height (mm)	19/32/36	-	19/32/36	-	-	-	-	
Tooth pitch\ (mm)	3/3, 3/4, 3/5, 3/6, 3/8, 3/10							
Bendability 	90°							
Body hardness	HRC 36~38							
Applications	leather lacework, tassels, etc.							

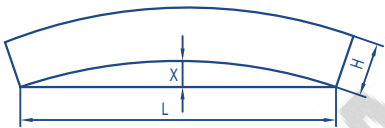
TOLERANCES

PRODUCT TOLERANCE

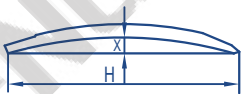
Height≤36mm	±0.20mm
Height>36mm	±0.25mm
Straightness	±1.0mm/1m L
Flatness	≤3.0‰*H
Cross camber	piece: ±10mm/1m L coil: ±20mm/1m L
Twist	2°/1m L

THICKNESS TOLERANCE

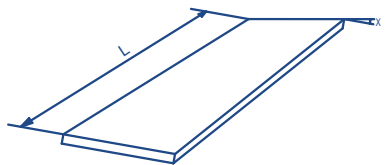
Thickness (mm)	Tolerance (mm)
2.0	±0.05
2.3	±0.05
2.5	±0.06
2.7	±0.06
3.0	±0.07
3.5	±0.07
4.0	±0.07



Straightness



Flatness



Twist



Cross camber

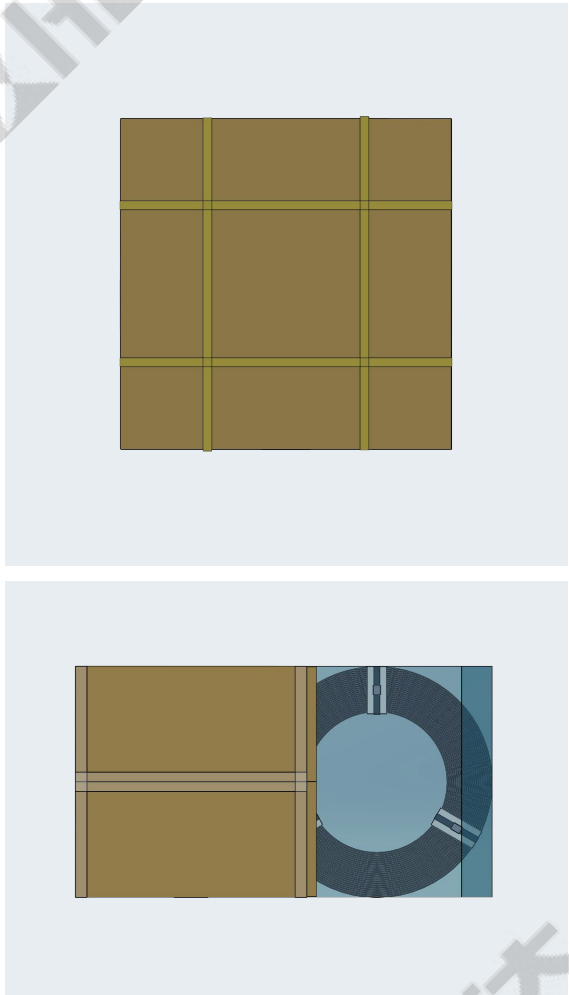
Hengda can provide customized products according to customer's requirements.



PACKAGE DESCRIPTION

Special anti-counterfeit seal of the registered trademark

PACKAGE



PACKAGING - COILS

Height (mm) \ Thickness (mm)	2.0	2.3	2.5	2.7	3.0	3.5	4.0
19.0	80 m	-	70 m	-	60 m	-	-
20.0	80 m	-	-	-	-	-	-
23.8	80 m	-	-	-	-	-	-
25.0	-	-	70 m	-	-	-	-
30.0	90 m	-	80 m	-	60 m	-	-
32.0	90 m	-	80 m	70 m	65 m	50 m	50 m
36.0	-	70 m	70 m	70 m	65 m	50 m	-
40.0	-	-	70 m	-	60 m	50 m	-
43.0	-	-	60 m	-	60 m	50 m	-
50.0	-	-	60 m	-	50 m	-	-

PACKAGING - LENGTHS

Specificaion	Lengths	Specificaion	Lengths
TE 50x4.0	26m	TE 36x4.0	30m
BE 50x4.0	30m	BE 36x4.0	30m
TE 40x4.0	30m	BE 32x4.0	30m
BE 40x4.0	30m	PE 32x4.0	30m

★ Others on request.