



Precision Meets Perfection,  
Economical Solutions.



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2024

# Trumpf® Style Press Brake Catalog

Visit us: [www.ketecooling.com](http://www.ketecooling.com)



“ Precision Meets Perfection, Economical Solutions. ”

# About Us

## Innovative Solutions for Fabrication Challenges

Founded in 1998, KETEC Precision Tooling is the **largest manufacturer of Punch Press and Press Brake tooling in China and Asia.**

With over 30 years of unremitting efforts in product innovation and development, as well as manufacturing refinement - In 2010, our Punch Press and Press Brake tools were appointed by the government as the industrial standard in China. As the leader of CNC tooling for the sheet metal fabrication industry. Our products have always been well-known **high-quality, customer-centric, and cost-effective.**

## Empowering Metal Fabricators with Top-notch Tooling Solutions

Staying competitive in the manufacturing industry means having better flexibility, quality and efficiency while maintaining a sustainable profit.

That's why many manufacturers choose us. Through our unwavering commitment to quality control, refined manufacturing processes, and consultative customer service, we partner with our customers to minimize costs, boost revenue, and sustain their competitive edge.



# Milestones

## 2004

### Obtained Certifications

KETEC®'s trademark was registered as an international trademark and obtained ISO certification - **ISO9000:2000**.



## 2008

### Equipped with High Capacity

Experienced tremendous growth and built our current manufacturing facilities **encompassing a total of 13 acres** in Conghua, Guangzhou, China.



## 2010

### Became National Standard

The National Standardization Committee of China **commissioned KETEC to draft the standard** for "Tooling for CNC Turret Punch Machine." In July of the same year, the Ministry of Industry and IT of China issued and implemented the standard **JB/T10928-2010** for "CNC Turret Punch Press Tooling."



## 2012

### Largest in Asia

KETEC became the **largest exporter by volume** and manufacturer of CNC sheet metal tooling in Asia with an annual revenue of **\$45 Million USD**.



## 2020

### Customer Centric

Implemented both **ERP and CRM software** company-wide to better serve our customers.



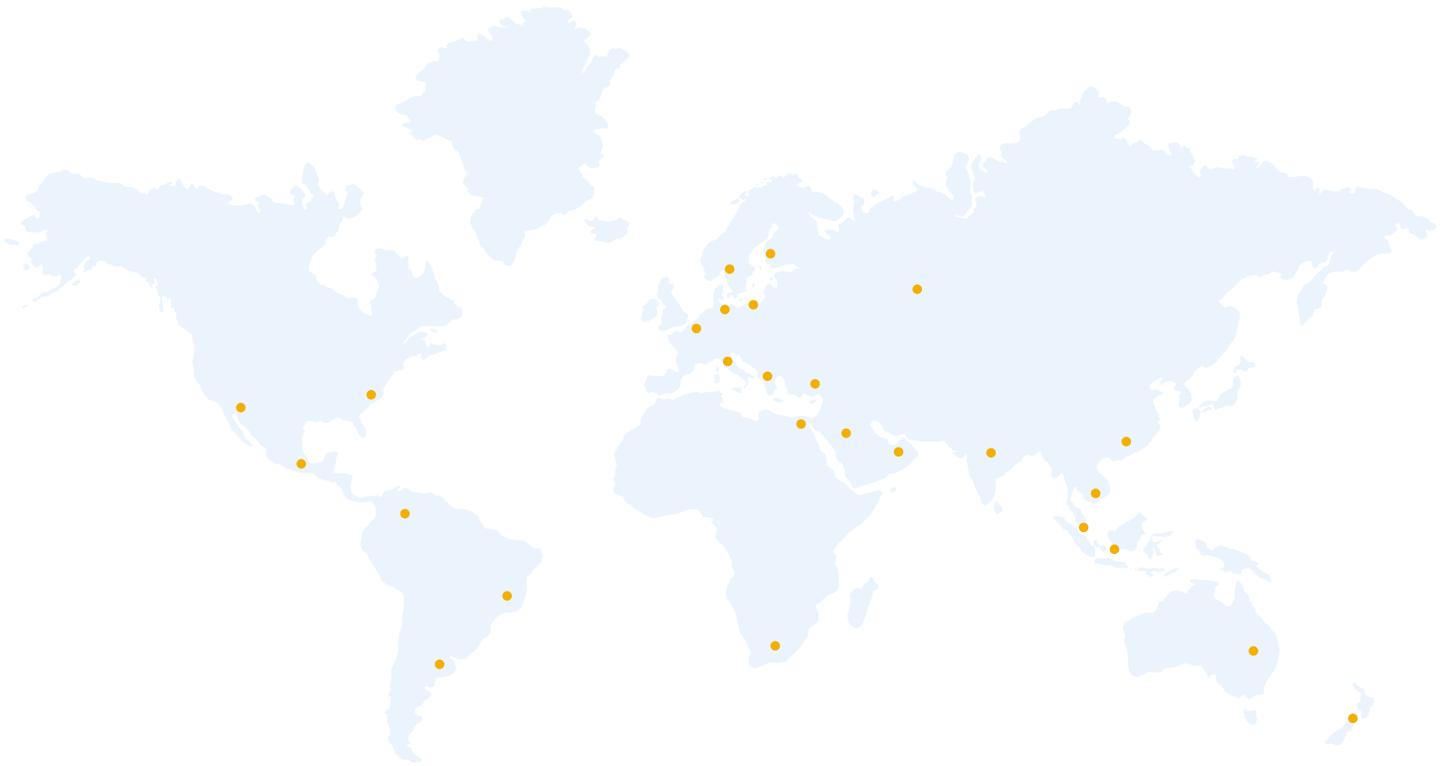
# Official OEMS Partners



# Customer Highlight



# KETEC Agents



**Our agents are established in more than 25 countries worldwide**

# Facilities Gallery

## Ordering Workshop



## Heat-Treatment Center



## Standard Production Line



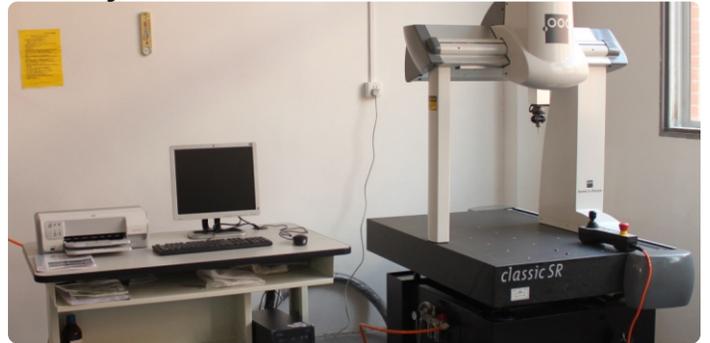
## Customized Line



## Tooling Test Center



## Quality Control Lab



# Product Offerings

We specialize in sheet metal fabrication tooling, including **Punch Press, Press Brake, Stamping tools and related machines.**

## Punch Press Tooling

- Thick Turret Tooling
- Thin Turret Tooling
- TRUMPF® Style Tooling
- Salvagnini®
- Muratec-Wiedemann®



## Stamping Tools

- Automotive
- Thick Plate
- Copper Plate



## Press Brake Tooling

- Euro-Amada® Style
- Wila®-Trumpf® Style



## Machines

- Tool Grinding Machine
- 2D Inspection Machine



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# Trumpf® - Wila® Style Press Brake

## Trumpf® - Wila® Precision Style

Ketec's Trumpf® - Wila® Precision Style press brake tools are made with premium alloy with in-house heat treatment and laser hardening, making it forever-lasting for any metal bending application. We offer press brake punches, dies, and accessories in segmented, full-Length, and half-Length sizes.

**Overview**

Inheriting the excellent qualities of Ketec's punch press tooling, Ketec press brake tooling uses premium 42CrMo, and incorporates the most advanced processing and heat treatment technologies. All key dimensions achieve a precision of  $\pm 0.01$  mm, providing you with optimal bending performance.

• **Capability**

In 2010, Ketec's new factory, covering 13 acres, was established to specialize in press brake tooling with an annual production capacity of 50,000 units (standard sections).

• **Precision**

All contacting surfaces of our toolings are formed in a single process, ensuring that the Height, angle, and Radius of the same model are perfectly consistent. Key dimensions maintain a precision of  $\pm 0.01$  mm, guaranteeing assembly accuracy remains unchanged regardless of when the tool is purchased.

• **Interchangeability**

All of our tooling are interchangeable and will perfectly match with other mainstream manufacturers, to eliminates the need for secondary adjustments to correct errors, saving time during tool changes

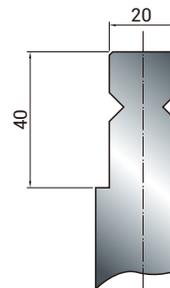
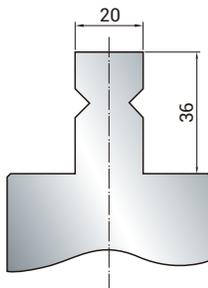
• **Durability**

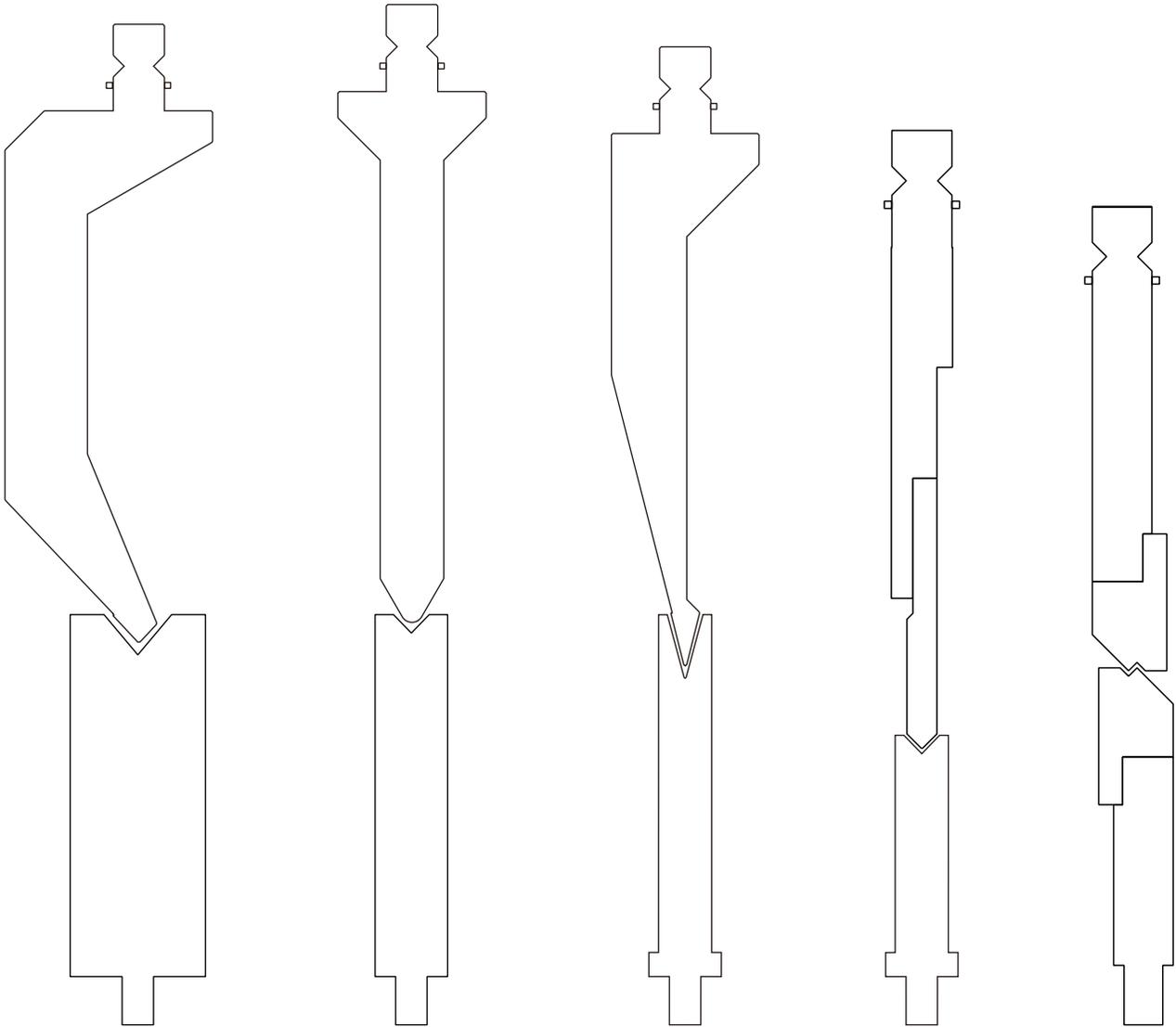
All compression and wear areas are treated with laser hardening & heat treatment to 56-60 HRC to meet extreme tolerances and complex requirements.

**Tooling Information Label**

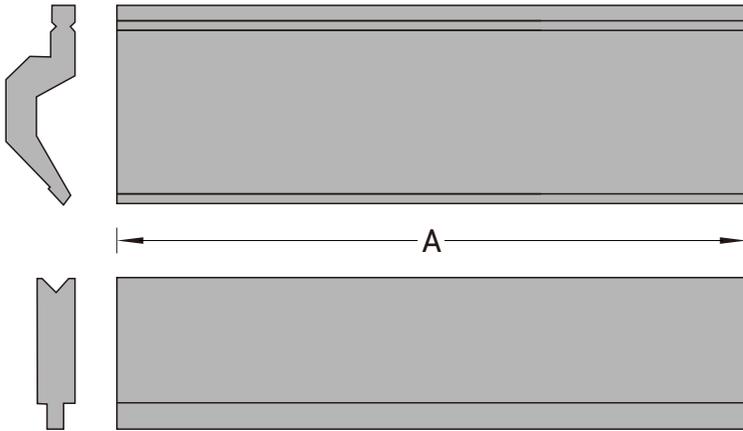
	EVW10/84 84°	MAX:500kN/m (50 ton/m)
	V=10 R=1	MAX : 15 TON/FOOT
	H=100 L=500	ketectooling.com

**Clamping Style**



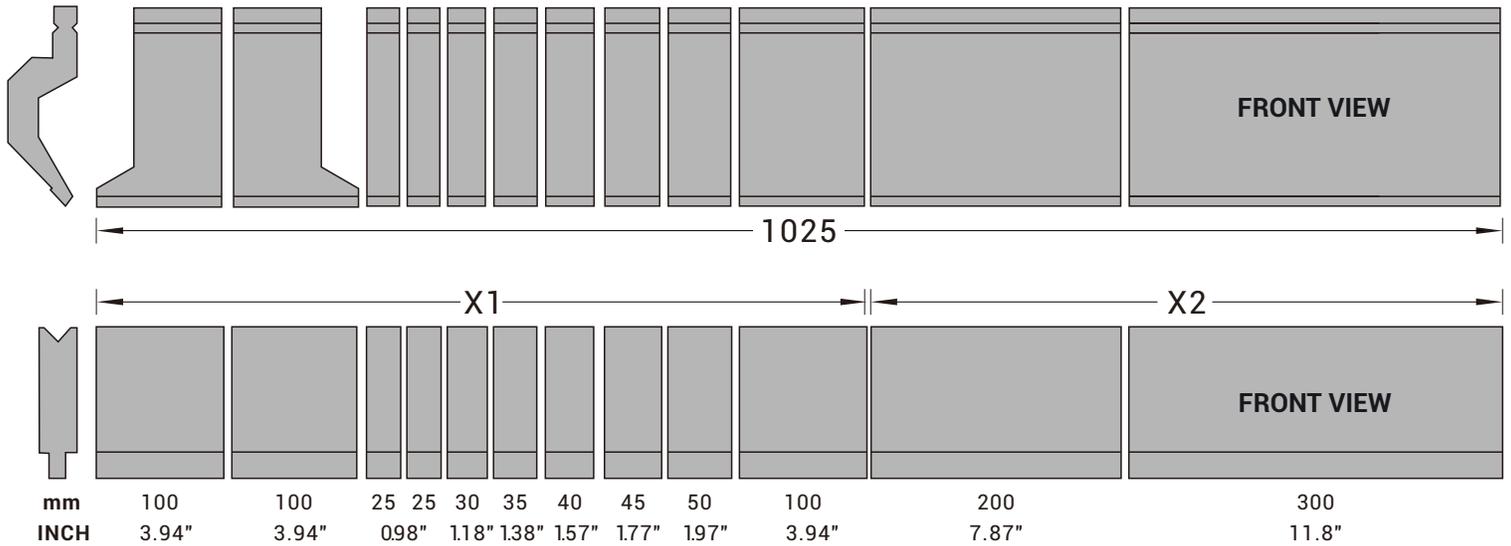


**STANDARD PUNCH & DIE LENGTHS**



Solid	
A	L=500 mm [19.68"]
Sectionalized	
X1	25 mm [0.98"]*2 PIECES
	30 mm [1.18"]
	35 mm [1.38"]
	40 mm [1.57"]
	45 mm [1.77"]
	50 mm [1.97"]
	100 mm [3.94"]
100 mm [3.94"]*2 HORNS	
X2	200 mm [7.87"]
	300 mm [11.8"]

**STANDARD PUNCH & DIE LENGTHS**



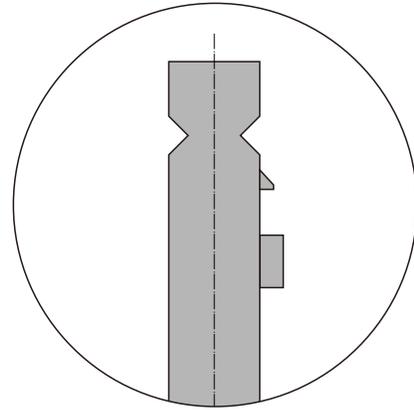
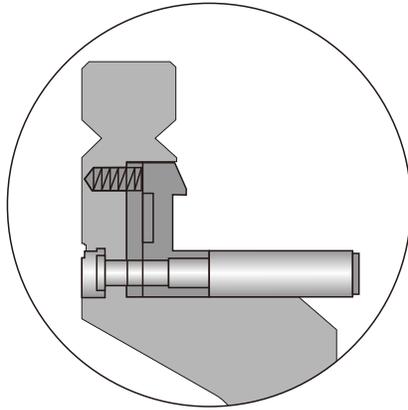
**STANDARD HORN PIECE**



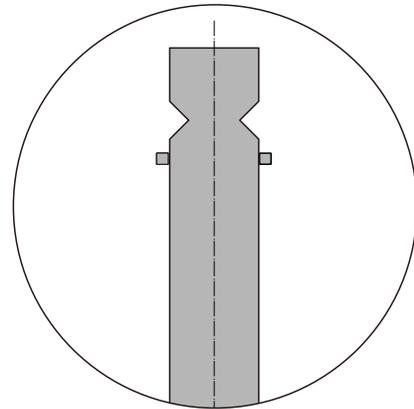
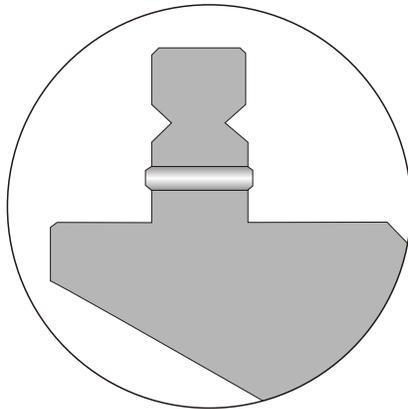
**LOADING FUNCTION: BUTTON & PIN**

Tools weighing more than 12.5 kilograms must be fixed with locating pins, while tools weighing less than 12.5 kilograms can be fixed with either locating pins or buttons.

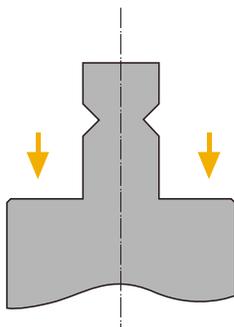
**BUTTON**



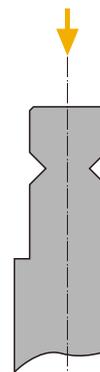
**PIN**



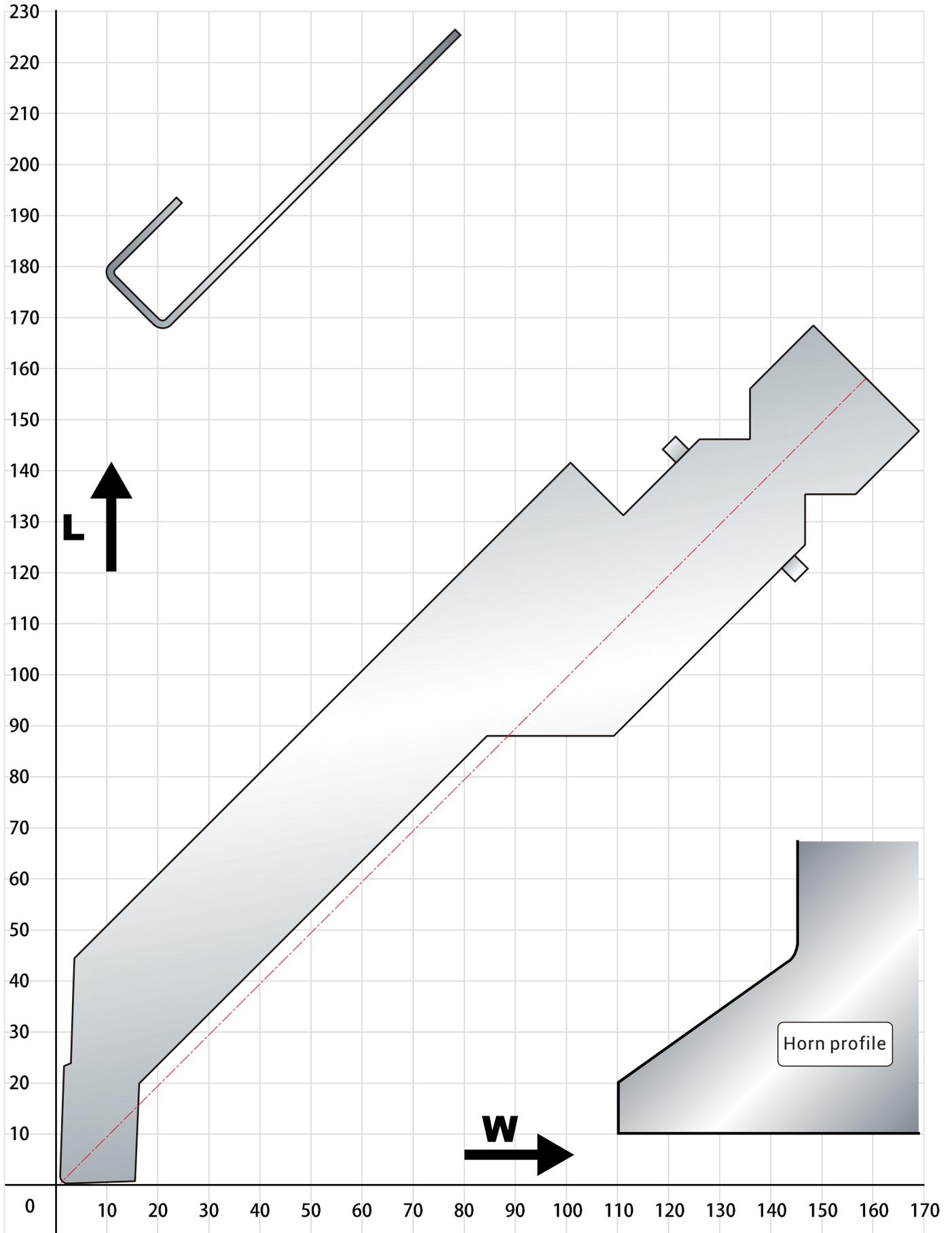
**LOAD BEARING AREA**



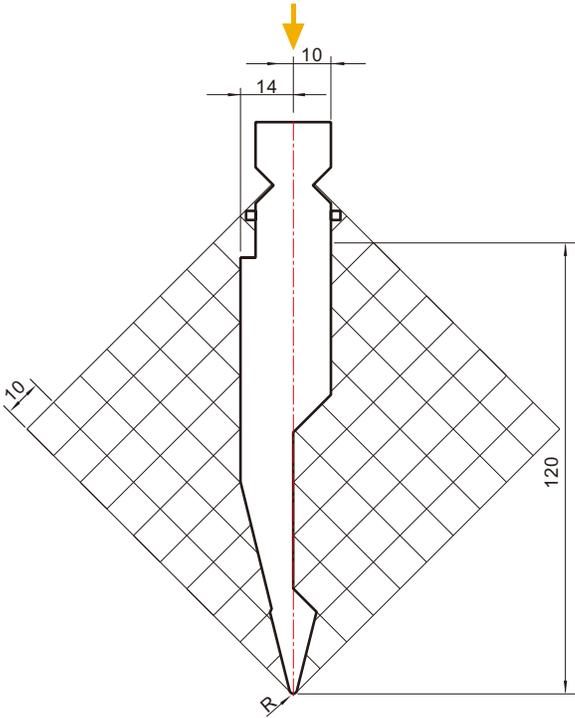
**LOAD ON THE SHOULDERS**



**LOAD ON THE TOP**



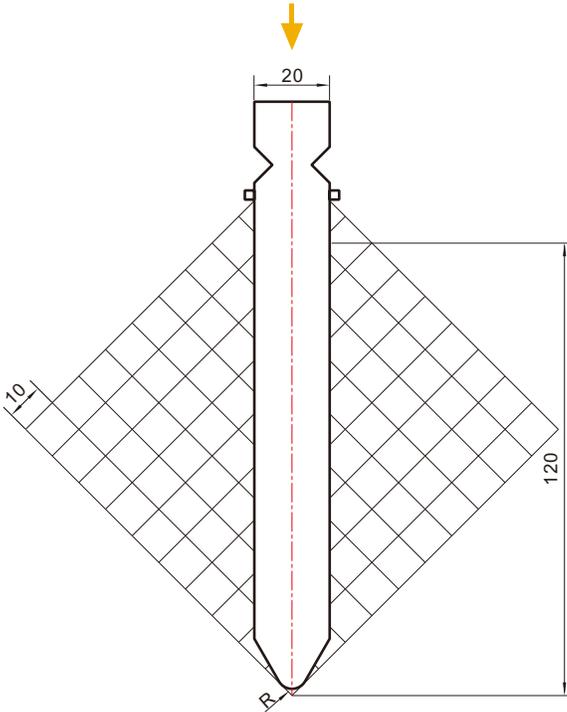
OW202/K 28°



OW202/K	Code No.	Length	Weight	Max. Ton
	OW202/K-A	500 mm [19.68"] Solid	15.2 kg 33.51 lbs	80 ton/m 785 kN/m
	OW202/K-X1	550 mm [21.65"] Sectioned	17.6 kg 38.8 lbs	
	OW202/K-X2	500 mm [19.68"] Sectioned	15.2 kg 33.51 lbs	
	Height	Radius	Hardness	Latch
120 mm [4.72"]	R1	HRC 52-60	PIN & BUTTON	

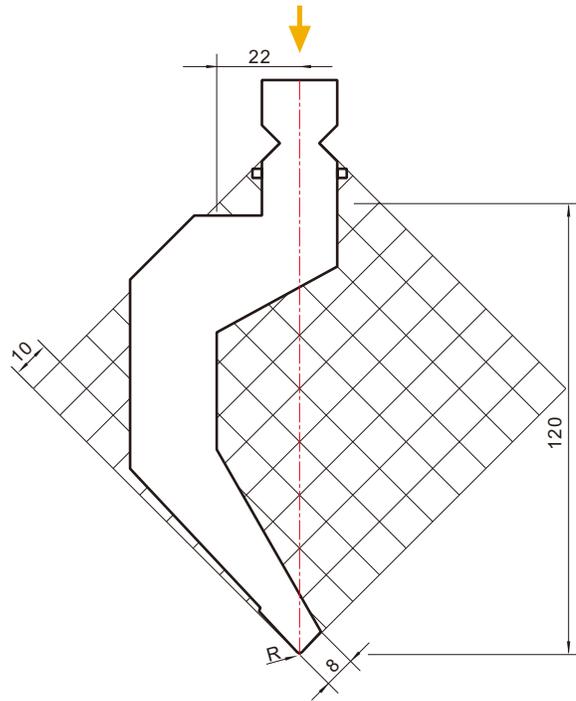
120 MM PUNCH TOOLING

OW203/K 60°



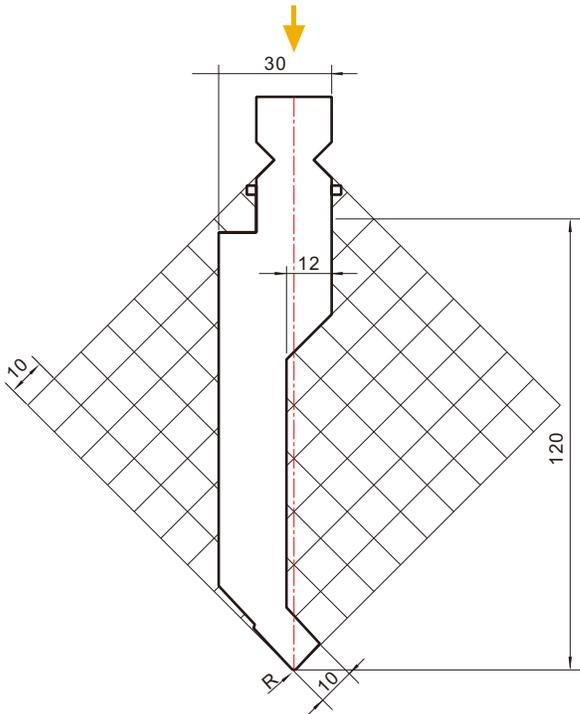
OW203/K	Code No.	Length	Weight	Max. Ton
	OW203/K-A	500 mm [19.68"] Solid	15.2 kg 33.51 lbs	100 ton/m 980 kN/m
	OW203/K-X1	550 mm [21.65"] Sectioned	17.6 kg 38.8 lbs	
	OW203/K-X2	500 mm [19.68"] Sectioned	15.2 kg 33.51 lbs	
	Height	Radius	Hardness	Latch
120 mm [4.72"]	R4	HRC 52-60	PIN & BUTTON	

OW200/K 86°



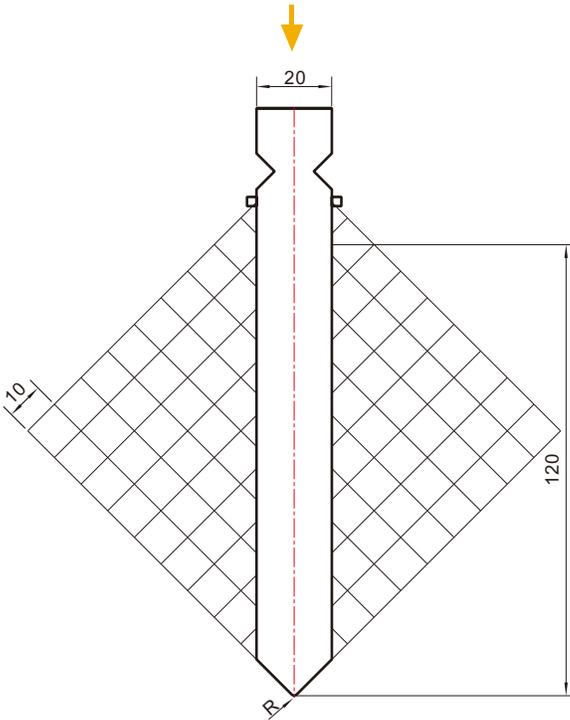
OW200/K	Code No.	Length	Weight	Max. Ton
	OW200/K-A	500 mm [19.68"] Solid	15.2 kg 33.51 lbs	80 ton/m 785 kN/m
	OW200/K-X1	550 mm [21.65"] Sectioned	17.6 kg 38.8 lbs	
	OW200/K-X2	500 mm [19.68"] Sectioned	15.2 kg 33.51 lbs	
Height	Radius	Hardness	Latch	
120 mm [4.72"]	R1	HRC 52-60	PIN & BUTTON	

OW201/K 86°



OW201/K	Code No.	Length	Weight	Max. Ton
	OW201/K-A	500 mm [19.68"] Solid	13.6 kg 30.00 lbs	80 ton/m 785 kN/m
	OW201/K-X1	550 mm [21.65"] Sectioned	16.4 kg 36.15 lbs	
	OW201/K-X2	500 mm [19.68"] Sectioned	13.6 kg 30.00 lbs	
Height	Radius	Hardness	Latch	
120 mm [4.72"]	R1	HRC 52-60	PIN & BUTTON	

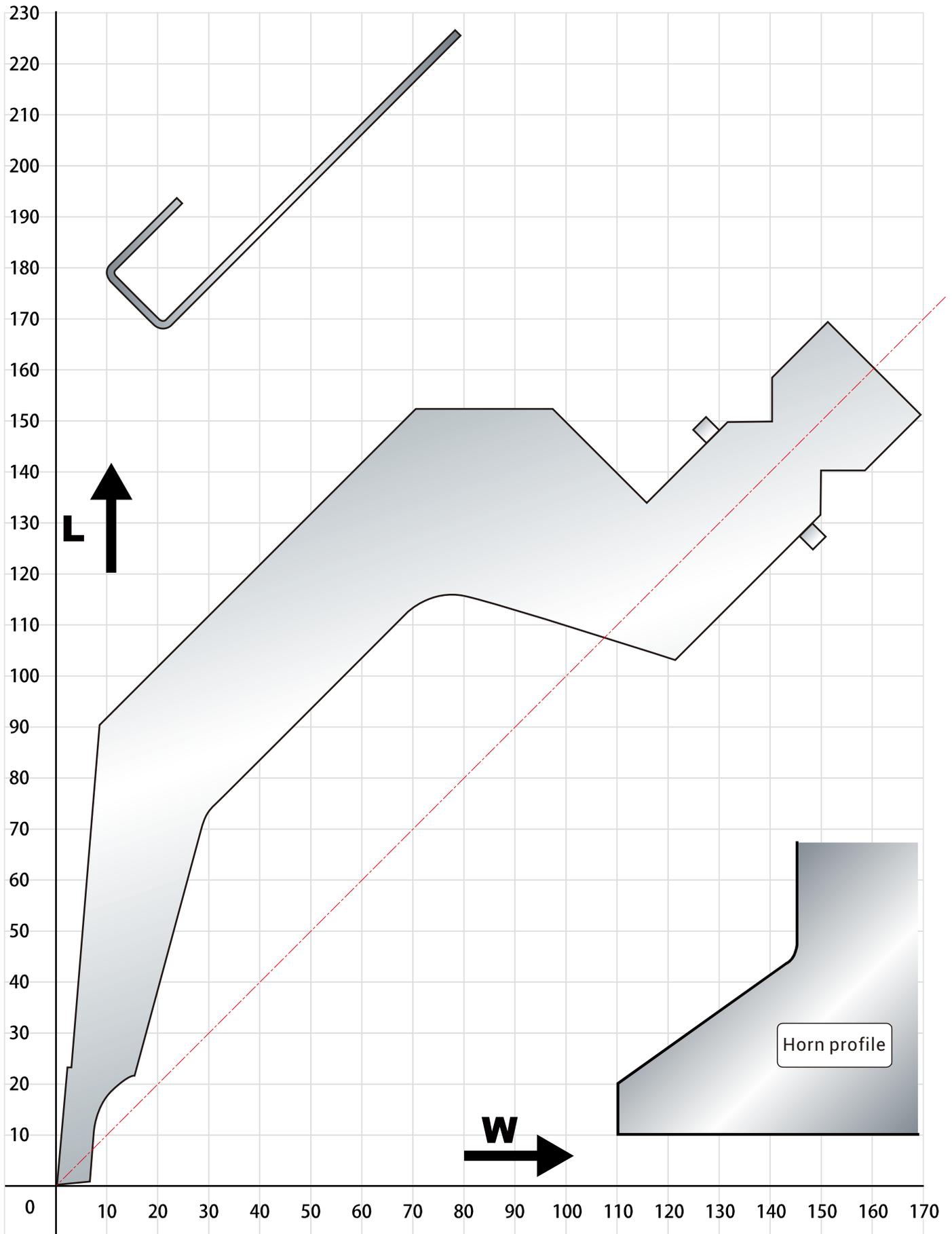
OW211/K 90°



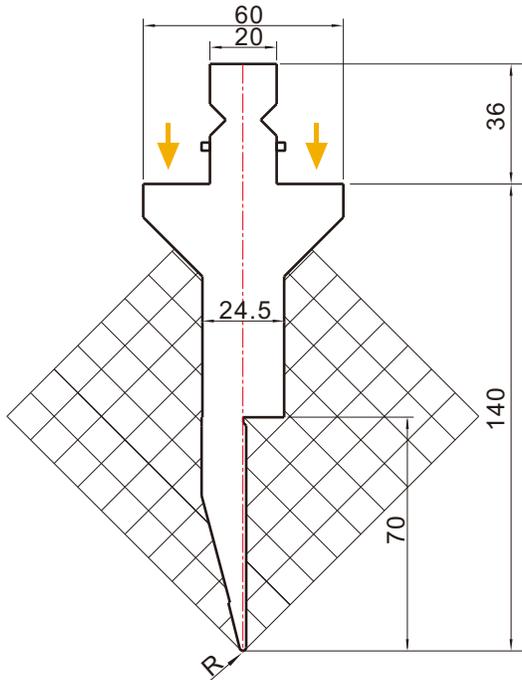
OW211/K	Code No.	Length	Weight	Max. Ton
	OW211/K-A	500 mm [19.68"] Solid	15.2 kg 33.51 lbs	80 ton/m 785 kN/m
	OW211/K-X1	550 mm [21.65"] Sectioned	17.6 kg 38.8 lbs	
	OW200/K-X2	500 mm [19.65"] Sectioned	15.2 kg 33.51 lbs	
	Height	Radius	Hardness	Latch
120 mm [4.72"]	R1	HRC 52-60	PIN & BUTTON	

120 MM PUNCH TOOLING





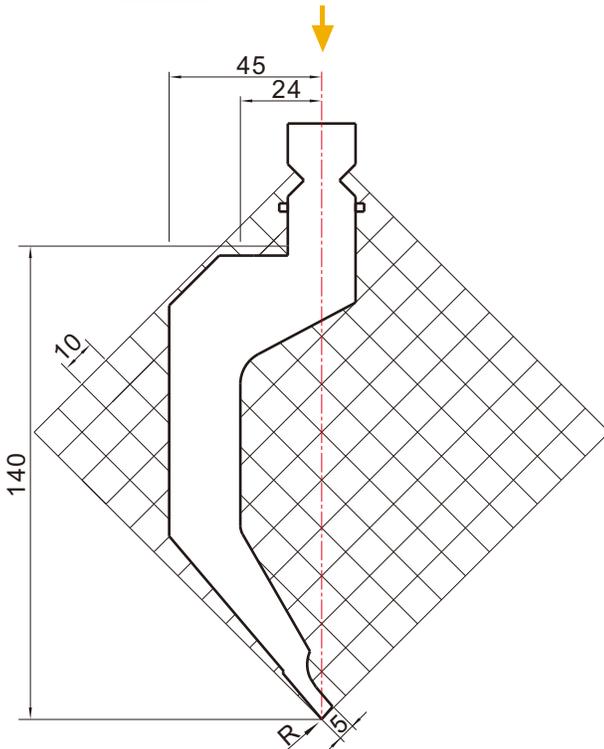
OW210 28°



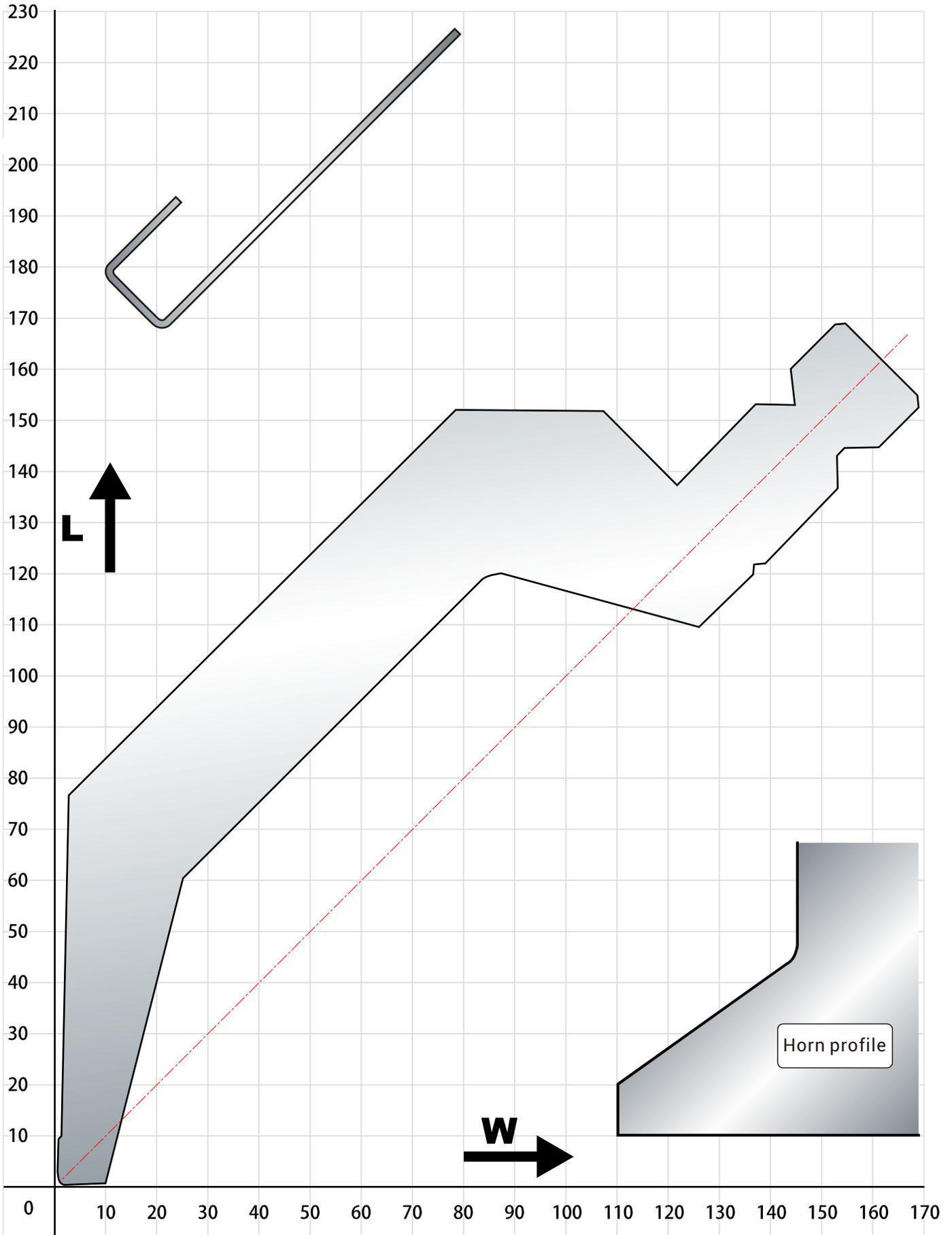
OW210	Code No.	Length	Weight	Max. Ton
	OW210-A	500 mm [19.68"] Solid	15.2 kg 33.51 lbs	40 ton/m 392 kN/m
	OW210-X1	550 mm [21.56"] Sectioned	17.6 kg 38.8 lbs	
	OW210-X2	500 mm [19.68"] Sectioned	15.2 kg 33.51 lbs	
	Height	Radius	Hardness	Latch
120 mm [4.72"]	R1	HRC 52-60	PIN & BUTTON	

140 MM PUNCH TOOLING

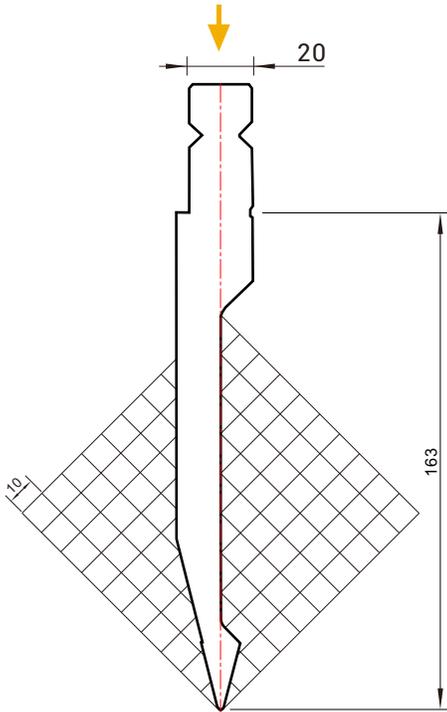
OW280/K 80°



OW280/K	Code No.	Length	Weight	Max. Ton
	OW280/K-A	500 mm [19.68"] Solid	15.2 kg 33.51 lbs	40 ton/m 392 kN/m
	OW280/K-X1	550 mm [21.65"] Sectioned	17.6 kg 38.8 lbs	
	OW280/K-X2	500 mm [19.68"] Sectioned	15.2 kg 33.51 lbs	
	Height	Radius	Hardness	Latch
120 mm [4.72"]	R0.5	HRC 52-60	PIN & BUTTON	



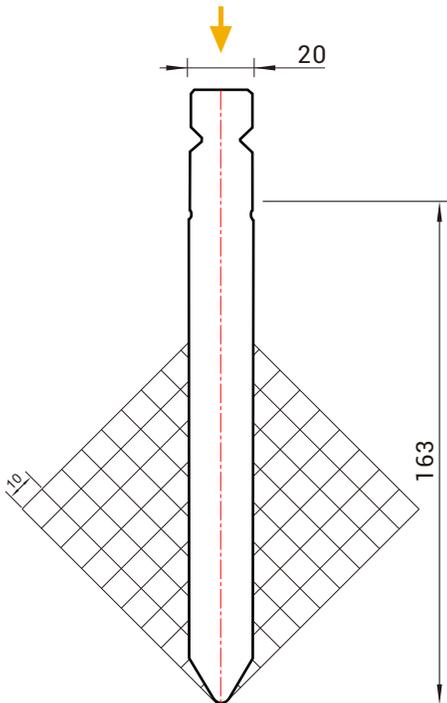
**KBIU-021** 28°



KBIU-021	Code No.	Length	Weight	Max. Ton
	KBIU-021-A	500 mm [19.68"] Solid	15.2 kg 33.51 lbs	70 ton/m 686 kN/m
	KBIU-021-X1	550 mm [21.65"] Sectioned	17.6 kg 38.8 lbs	
	KBIU-021-X2	500 mm [19.68"] Sectioned	15.2 kg 33.51 lbs	
Height	Radius	Hardness	Latch	
163 mm [6.42"]	R1	HRC 52-60	PIN & BUTTON	

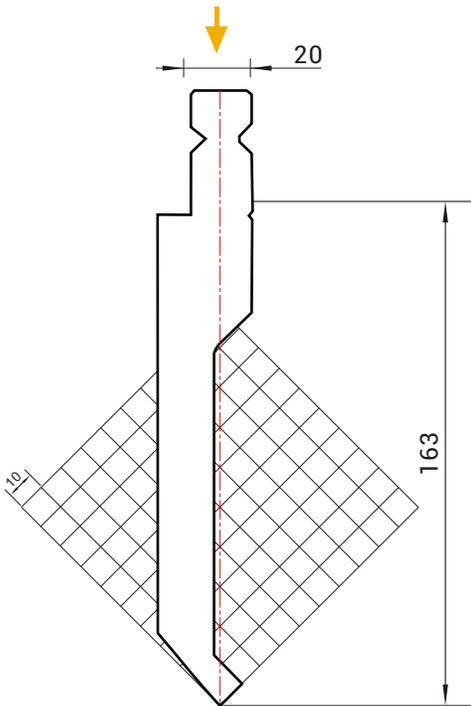
163 MM PUNCH TOOLING

**KBIU-024** 80°



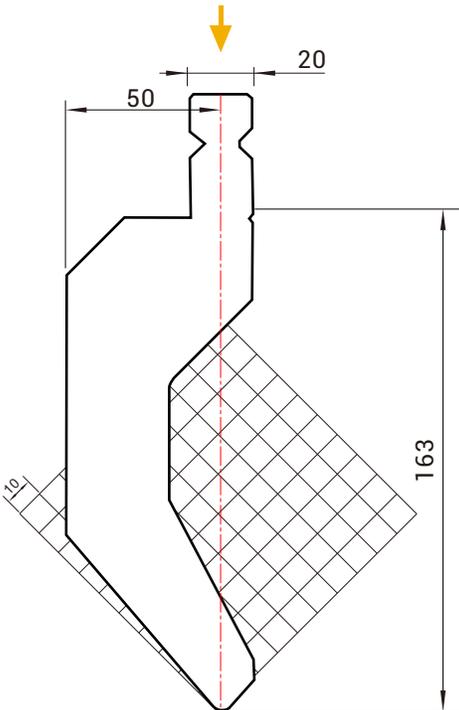
KBIU-024	Code No.	Length	Weight	Max. Ton
	KBIU-024-A	500 mm [19.68"] Solid	15.4 kg 34.00 lbs	160 ton/m 1569 kN/m
	KBIU-024-X1	550 mm [21.65"] Sectioned	16.8 kg 37.00 lbs	
	KBIU-024-X2	500 mm [19.68"] Sectioned	15.4 kg 34.00 lbs	
Height	Radius	Hardness	Latch	
163 mm [6.42"]	R3	HRC 52-60	PIN & BUTTON	

**KBIU-022** 80°



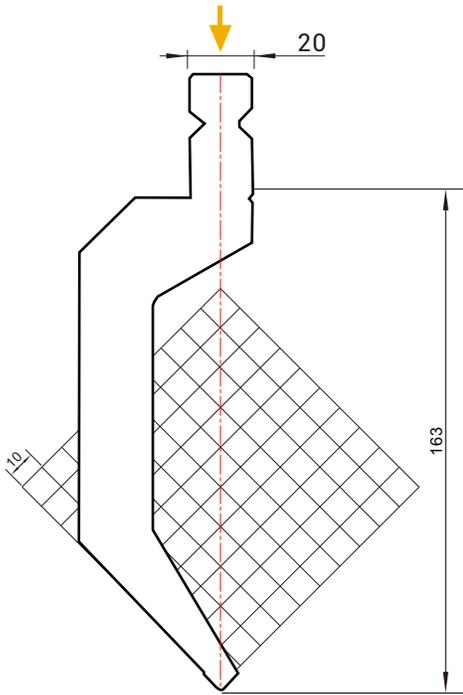
KBIU-022	Code No.	Length	Weight	Max. Ton
	KBIU-022-A	500 mm [19.68"] Solid	15.4 kg 34.00 lbs	80 ton/m 785 kN/m
	KBIU-022-X1	550 mm [21.65"] Sectioned	16.8 kg 37.00 lbs	
	KBIU-022-X2	500 mm [19.68"] Sectioned	15.4 kg 34.00 lbs	
Height	Radius	Hardness	Latch	
163 mm [6.42"]	R1	HRC 52-60	PIN & BUTTON	

**KBIU-021** 80°



KBIU-025	Code No.	Length	Weight	Max. Ton
	KBIU-025-A	500 mm [19.68"] Solid	26.3 kg 58.00 lbs	130 ton/m 1274 kN/m
	KBIU-025-X1	550 mm [21.65"] Sectioned	29.1 kg 64.00 lbs	
	KBIU-025-X2	500 mm [19.65"] Sectioned	26.3 kg 58.00 lbs	
Height	Radius	Hardness	Latch	
163 mm [6.42"]	R6	HRC 52-60	PIN & BUTTON	

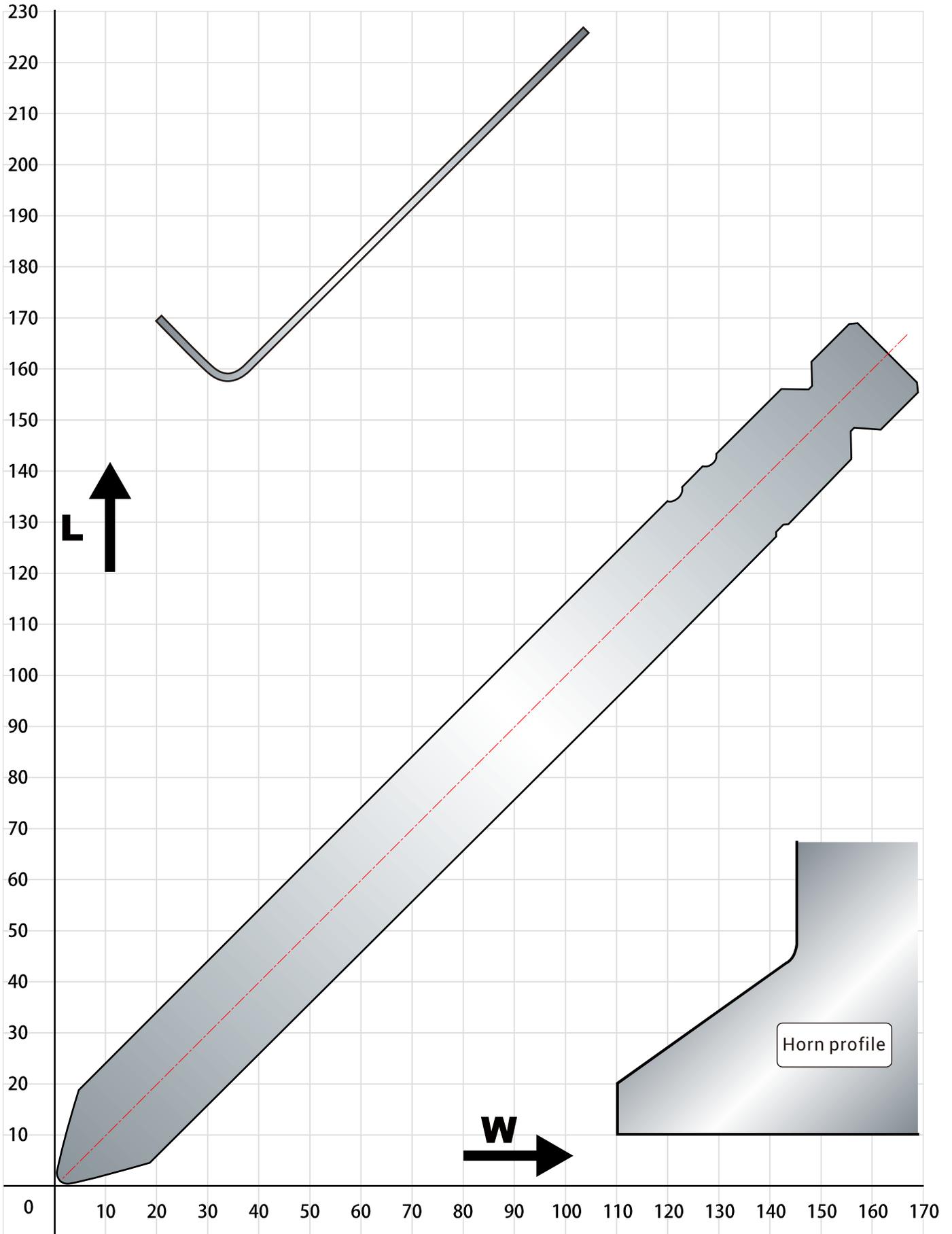
KBIU-023 86°



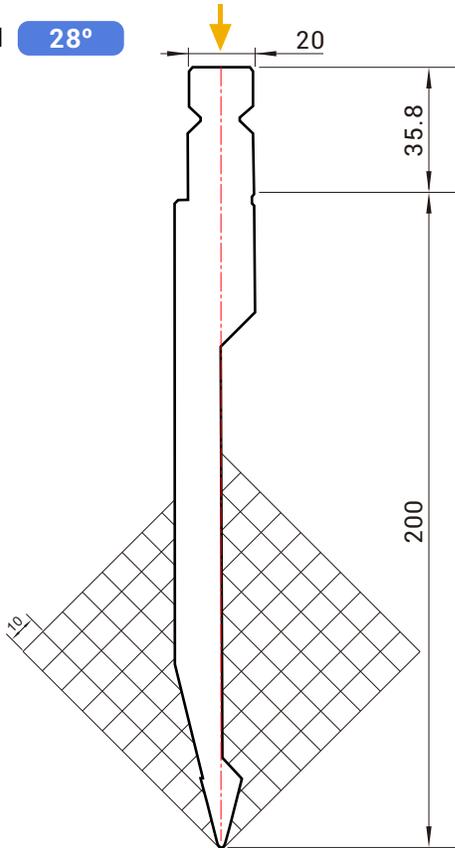
KBIU-023	Code No.	Length	Weight	Max. Ton
	KBIU-023-A	500 mm [19.68"] Solid	18.6 kg 41.00 lbs	65 ton/m 637 kN/m
	KBIU-023-X1	550 mm [21.65"] Sectioned	20.4 kg 45.00 lbs	
	KBIU-023-X2	500 mm [19.68"] Sectioned	18.6 kg 41.00 lbs	
	Height	Radius	Hardness	Latch
163 mm [6.42"]	R1	HRC 52-60	PIN & BUTTON	

163 MM PUNCH TOOLING





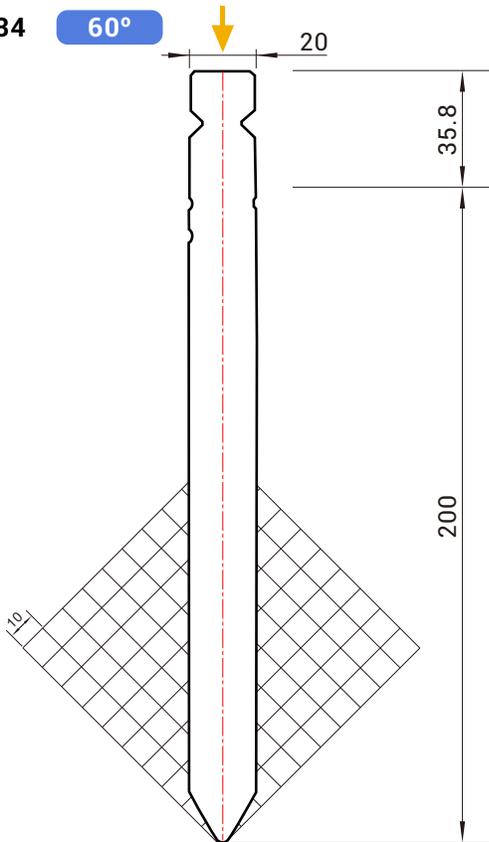
KBIU-031 28°



KBIU-031	Code No.	Length	Weight	Max. Ton
	KBIU-031-A	500 mm [19.68"] Solid	14.1 kg 31.00 lbs	60 ton/m 588 kN/m
	KBIU-031-X1	550 mm [21.65"] Sectioned	15.4 kg 34.00 lbs	
	KBIU-031-X2	500 mm [19.68"] Sectioned	14.1 kg 31.00 lbs	
	Height	Radius	Hardness	Latch
200 mm [7.87"]	R1	HRC 52-60	PIN & BUTTON	

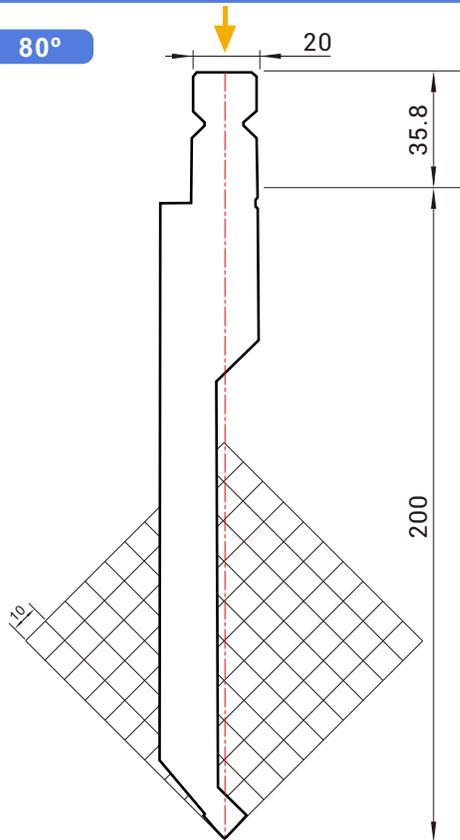
200 MM PUNCH TOOLING

KBIU-034 60°



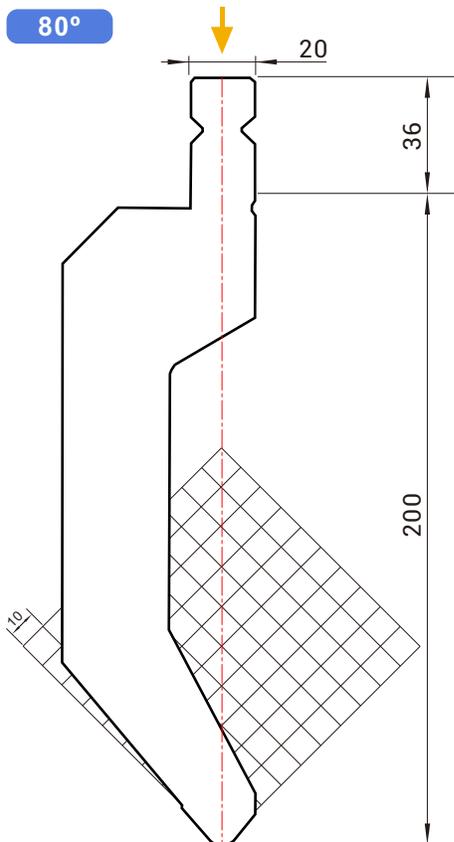
KBIU-034	Code No.	Length	Weight	Max. Ton
	KBIU-034-A	500 mm [19.68"] Solid	18.1 kg 40.00 lbs	160 ton/m 1569 kN/m
	KBIU-034-X1	550 mm [21.65"] Sectioned	20.0 kg 44.00 lbs	
	KBIU-034-X2	500 mm [19.68"] Sectioned	18.1 kg 40.00 lbs	
	Height	Radius	Hardness	Latch
200 mm [7.87"]	R3	HRC 52-60	PIN & BUTTON	

KBIU-032 80°



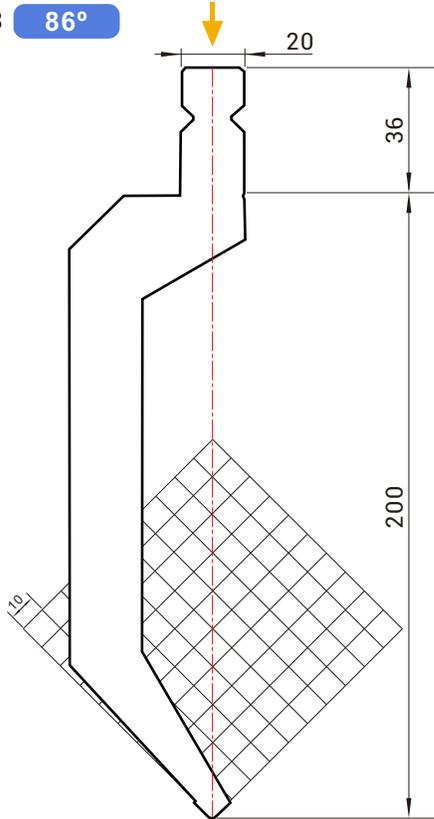
KBIU-032	Code No.	Length	Weight	Max. Ton
	KBIU-032-A	500 mm [19.68"] Solid	18.1 kg 40.00 lbs	80 ton/m 785 kN/m
	KBIU-032-X1	550 mm [21.65"] Sectioned	20.0 kg 44.00 lbs	
	KBIU-032-X2	500 mm [19.68"] Sectioned	18.1 kg 40.00 lbs	
Height	Radius	Hardness	Latch	
200 mm [7.87"]	R1	HRC 52-60	PIN & BUTTON	

KBIU-235 80°



KBIU-235	Code No.	Length	Weight	Max. Ton
	KBIU-235-A	500 mm [19.68"] Solid	31.8kg 70.00 lbs	130 ton/m 1274kN/m
	KBIU-235-X1	550 mm [21.65"] Sectioned	34.9kg 77.00 lbs	
	KBIU-235-X2	500 mm [19.68"] Sectioned	28.1kg 62.00 lbs	
Height	Radius	Hardness	Latch	
200 mm [7.87"]	R6	HRC 52-60	PIN & BUTTON	

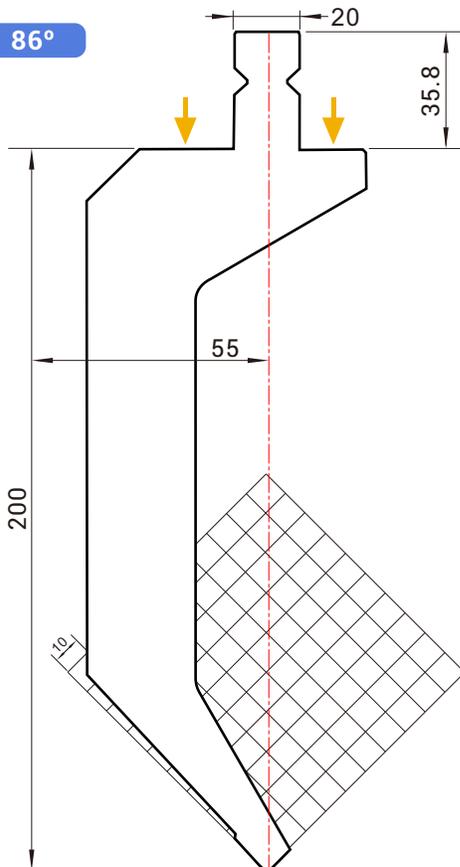
**KBIU-033** 86°



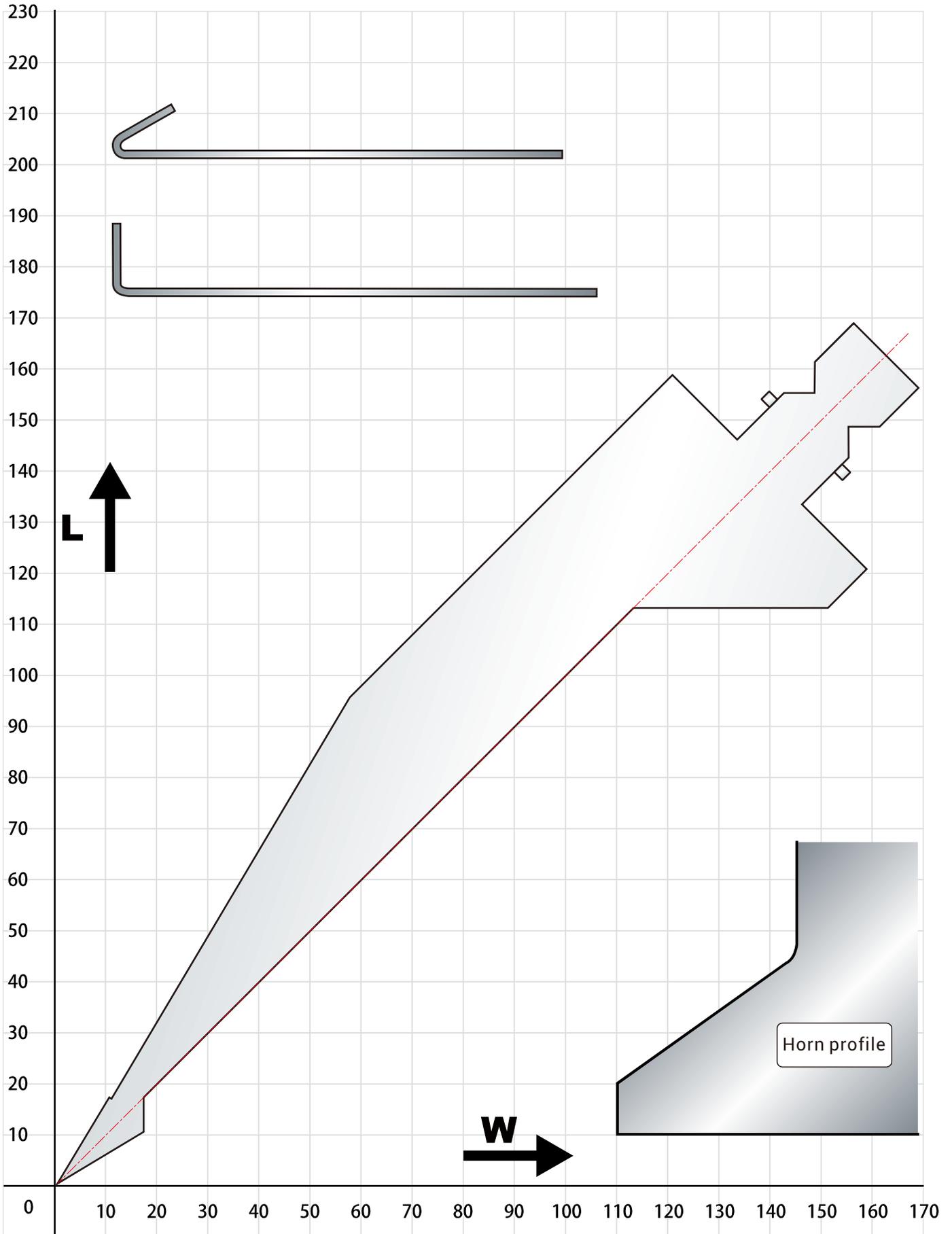
KBIU-033	Code No.	Length	Weight	Max. Ton
	KBIU-033-A	500 mm [19.68"] Solid	21.8 kg 48.00 lbs	50 ton/m 490 kN/m
	KBIU-033-X1	550 mm [21.65"] Sectioned	24.0 kg 53.00 lbs	
	KBIU-033-X2	500 mm [19.68"] Sectioned	21.8 kg 48.00 lbs	
Height	Radius	Hardness	Latch	
200 mm [7.87"]	R1	HRC 52-60	PIN & BUTTON	

200 MM PUNCH TOOLING

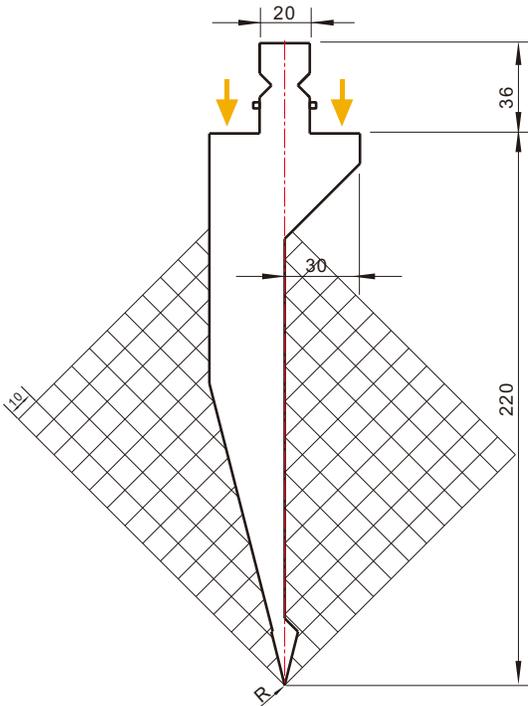
**K610** 86°



K610	Code No.	Length	Weight	Max. Ton
	K610-A	500 mm [19.68"] Solid	33.1 kg 73.00 lbs	87 ton/m 853 kN/m
	K610-X1	550 mm [21.65"] Sectioned	36.3 kg 80.00 lbs	
	K610-X2	500 mm [19.68"] Sectioned	33.1 kg 73.00 lbs	
Height	Radius	Hardness	Latch	
200 mm [7.87"]	R1	HRC 52-60	PIN & BUTTON	



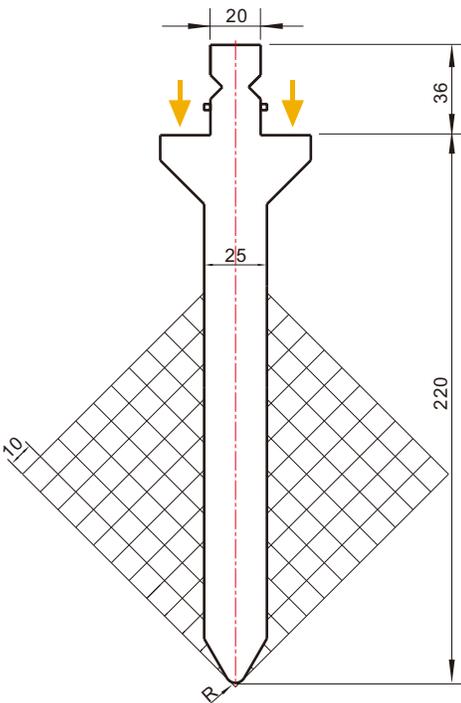
OW202/S 28°



OW202/S	Code No.	Length	Weight	Max. Ton
	OW202/S-A	500 mm [19.68"] Solid	18.1 kg 40.00 lbs	60 ton/m 688 kN/m
	OW202/S-X1	550 mm [21.65"] Sectioned	20.0 kg 44.00 lbs	
	OW202/S-X2	500 mm [19.68"] Sectioned	18.1 kg 40.00 lbs	
Height	Radius	Hardness	Latch	
220 mm [8.66"]	R1	HRC 52-60	PIN & BUTTON	

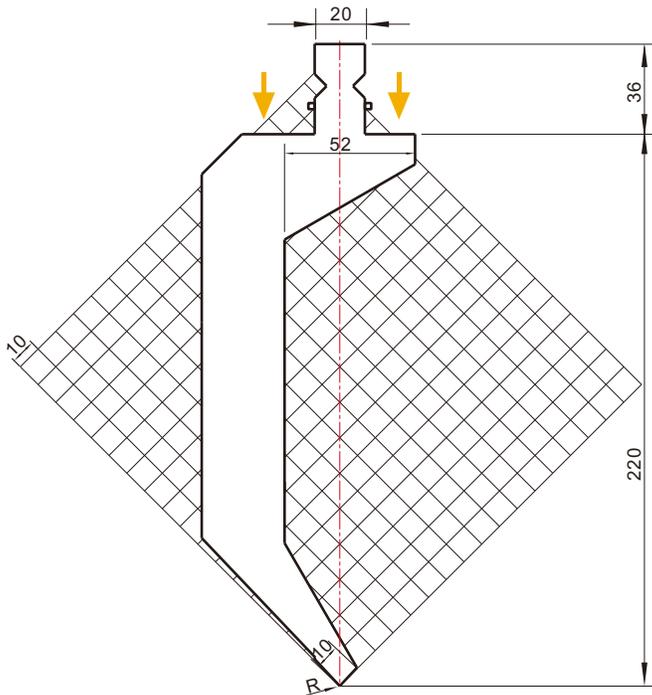
220 MM PUNCH TOOLING

OW203/S 60°



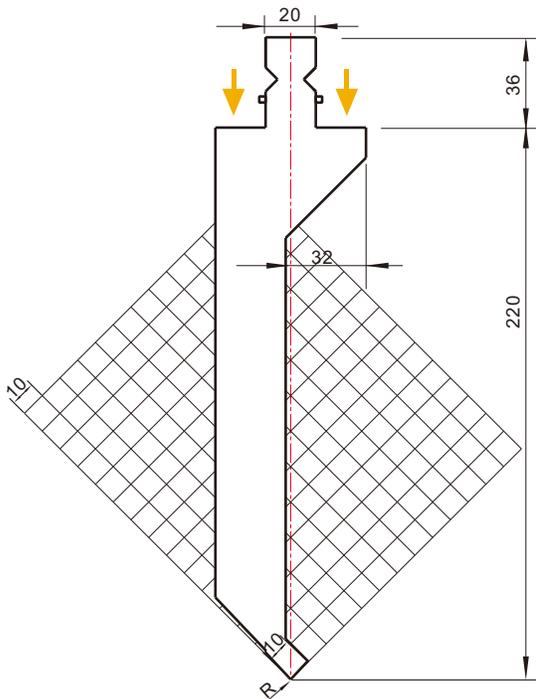
OW203/S	Code No.	Length	Weight	Max. Ton
	OW203/S-A	500 mm [19.68"] Solid	14.1 kg 31.00 lbs	100 ton/m 980 kN/m
	OW203/S-X1	550 mm [21.65"] Sectioned	15.4 kg 34.00 lbs	
	OW203/S-X2	500 mm [19.68"] Sectioned	14.1 kg 31.00 lbs	
Height	Radius	Hardness	Latch	
220 mm [7.87"]	R4	HRC 52-60	PIN & BUTTON	

OW200/S 86°



OW200/S	Code No.	Length	Weight	Max. Ton
	OW200/S-A	500 mm [19.68"] Solid	31.8 kg 70.00 lbs	80 ton/m 784 kN/m
	OW200/S-X1	550 mm [21.65"] Sectioned	34.9 kg 77.00 lbs	
	OW200/S-X2	500 mm [19.68"] Sectioned	28.1 kg 62.00 lbs	
Height	Radius	Hardness	Latch	
220 mm [8.66"]	R1	HRC 52-60	PIN & BUTTON	

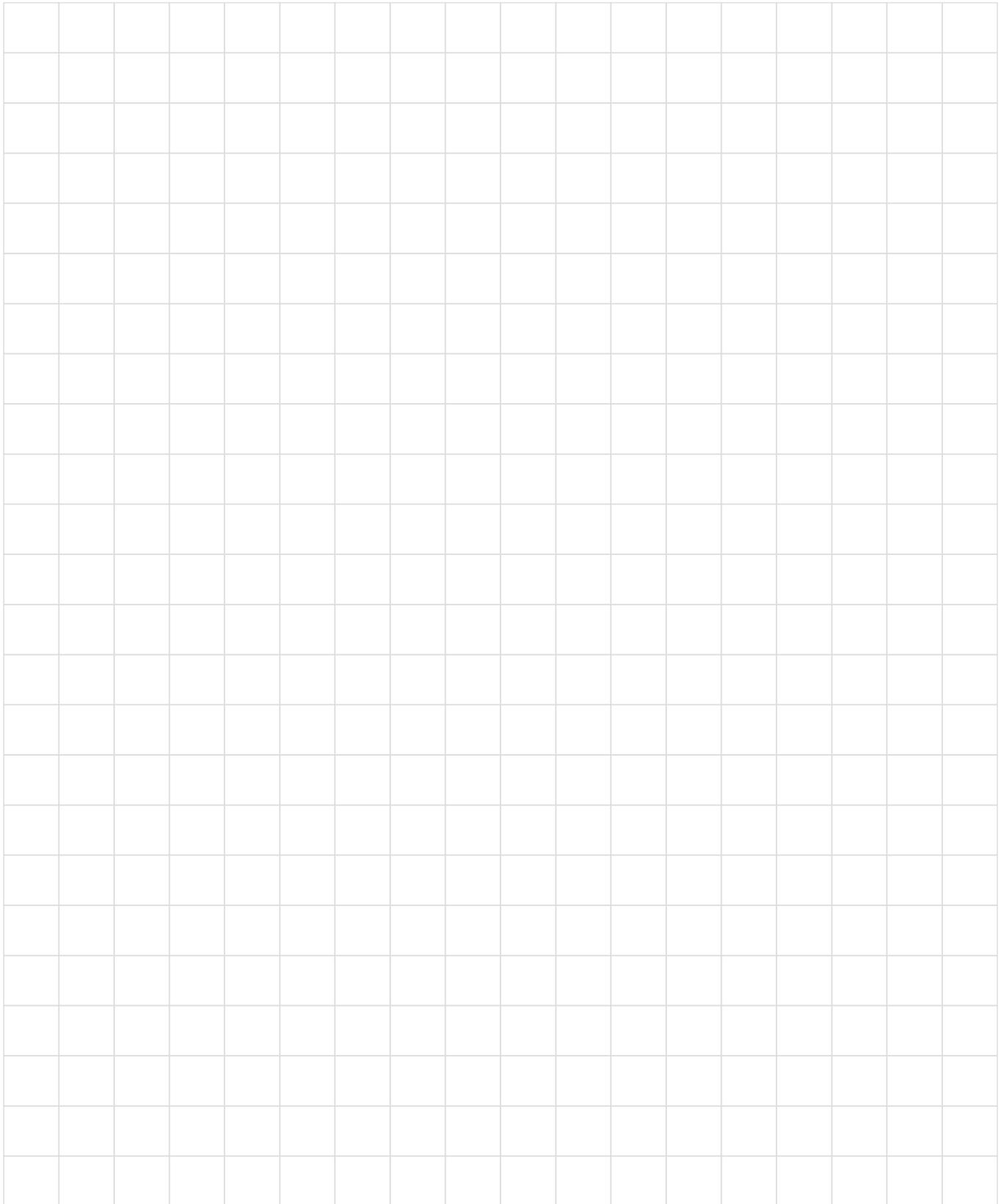
OW201/S 86°

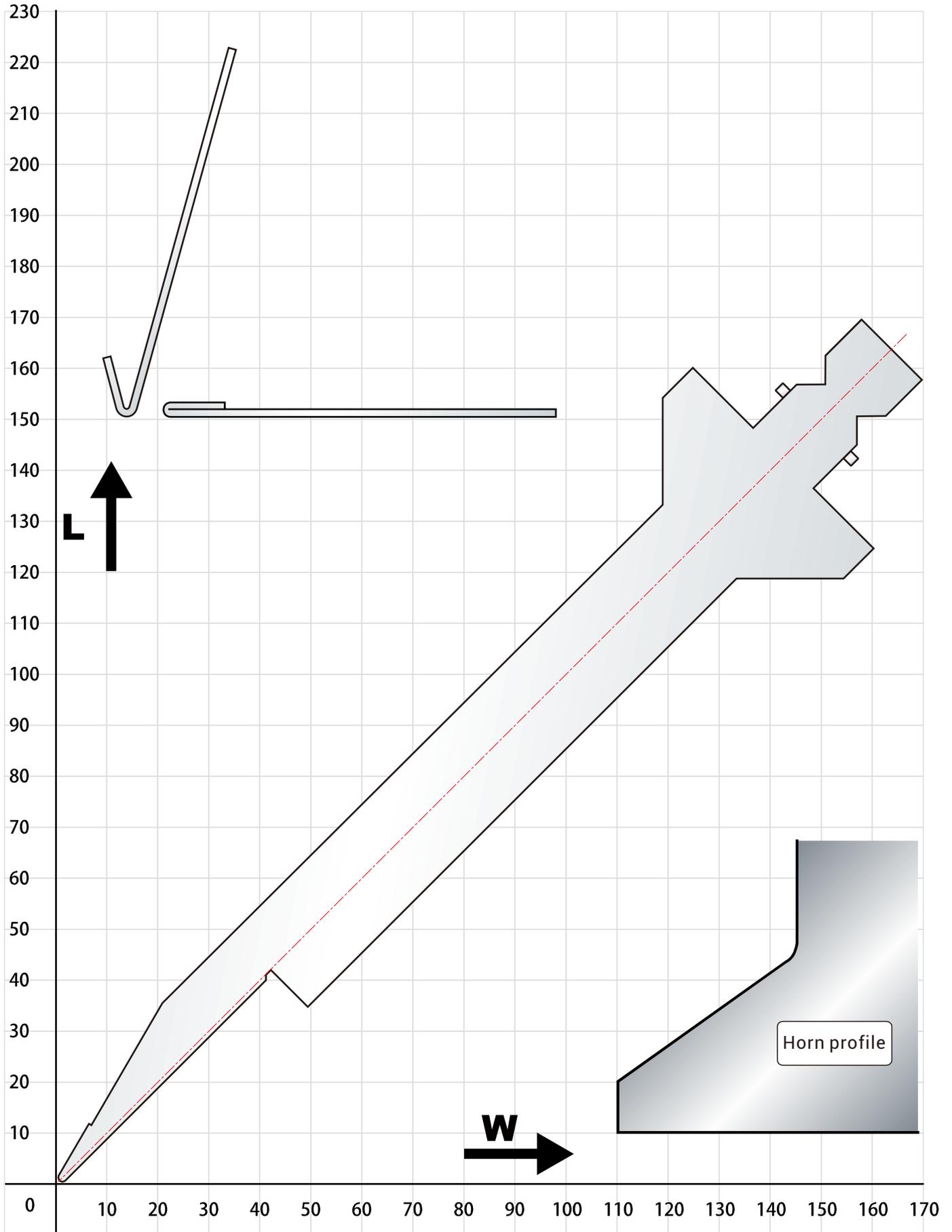


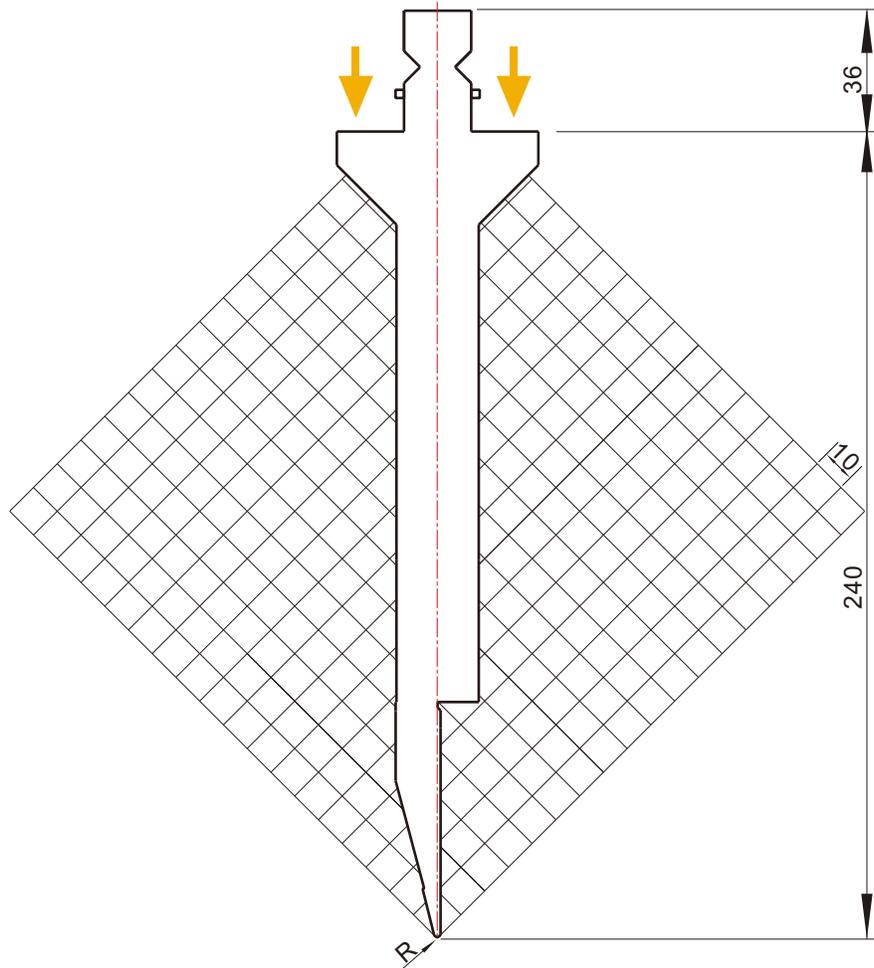
OW201/S	Code No.	Length	Weight	Max. Ton
	OW201/S-A	500 mm [19.68"] Solid	21.8 kg 48.00 lbs	80 ton/m 784 kN/m
	OW201/S-X1	550 mm [21.65"] Sectioned	24.0 kg 53.00 lbs	
	OW201/S-X2	500 mm [19.68"] Sectioned	21.8 kg 48.00 lbs	
Height	Radius	Hardness	Latch	
220 mm [8.66"]	R1	HRC 52-60	PIN & BUTTON	

**Note**

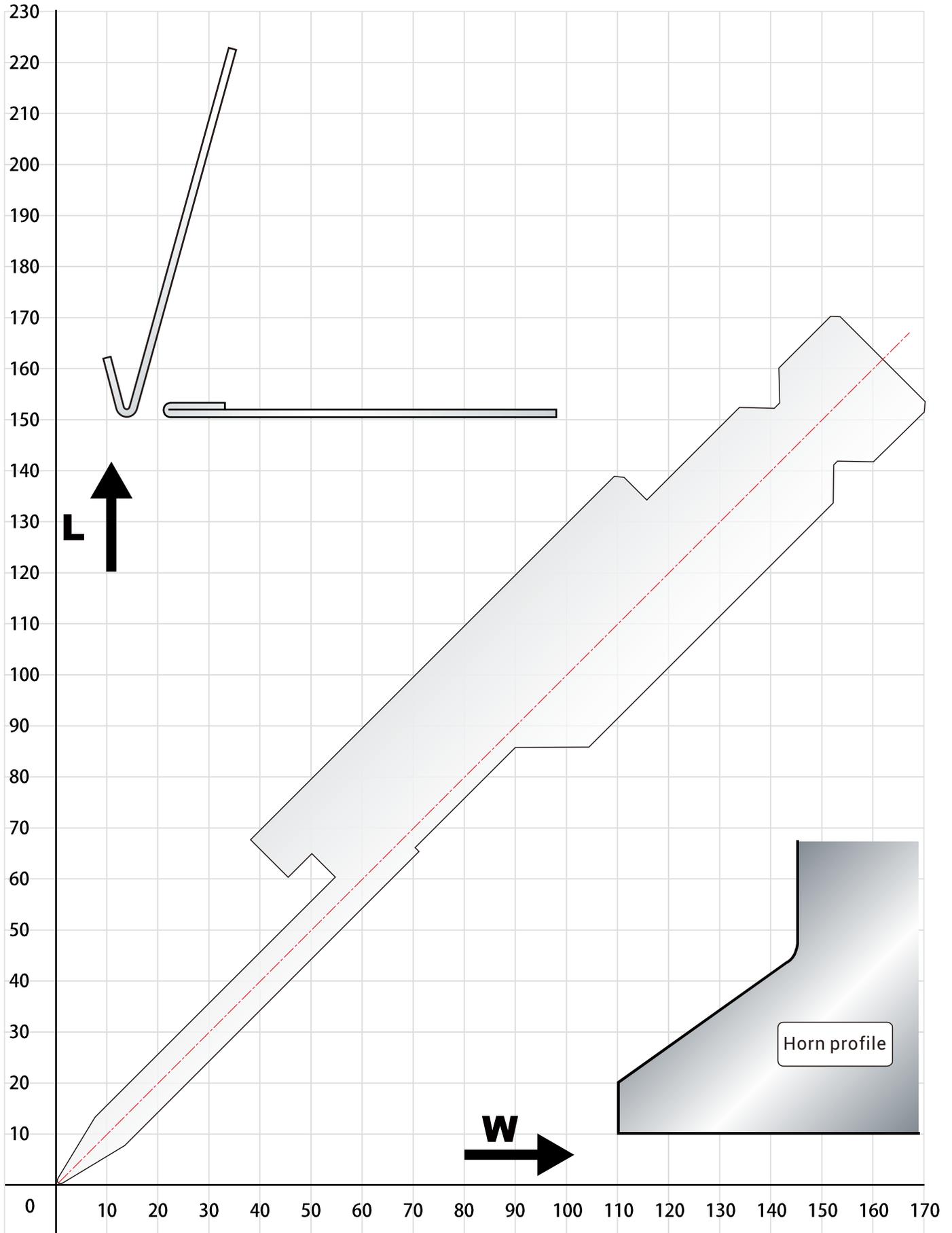
**If you can not find what you are looking for, please consult our sales engineers. We accept all file format for your drawings.**



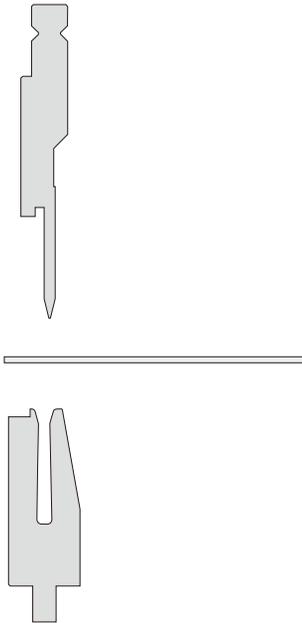




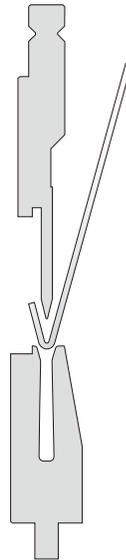
OW210/S	Code No.	Length	Weight	Max. Ton
	OW210/S-A	500 mm [19.68"] Solid	27.0kg 59.5 lbs	40 ton/m 392 kN/m
	OW210/S-X1	550 mm [21.65"] Sectioned	27.8kg 61.00 lbs	
	OW210/S-X2	500 mm [19.68"] Sectioned	27.0kg 59.5 lbs	
	Height	Radius	Hardness	Latch
	240 mm [9.45"]	R1	HRC 52-60	PIN & BUTTON



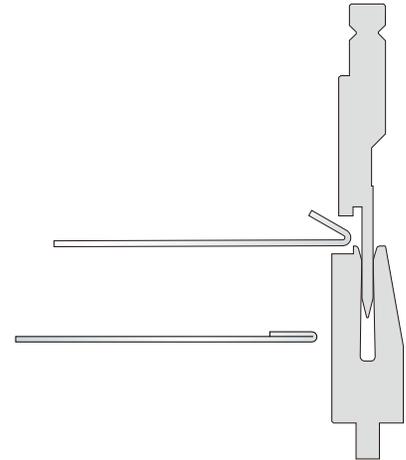
OW215/K & EV-F 26°



STEP 1



STEP 2



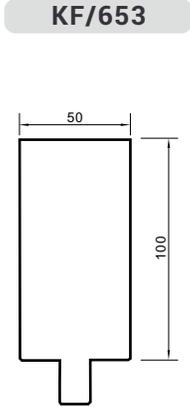
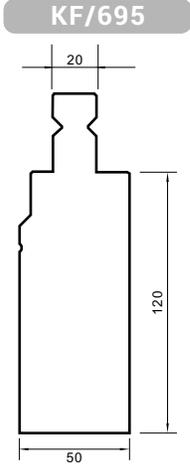
STEP 3

HEMMING SETS

OW215/K	Code No.	Length	Weight	Max. Ton
	OW215/K-A	500 mm [19.68"] Solid	27.0kg 59.5 lbs	40 ton/m 392 kN/m
	OW215/K-X1	550 mm [21.65"] Sectioned	27.8kg 61.00 lbs	
	OW215/K-X2	500 mm [19.68"] Sectioned	27.0kg 59.5 lbs	
	Height	Radius	Hardness	Latch
177 mm [6.97"]	R0.5	HRC 52-60	PIN & BUTTON	

EV-F	Code No.	Length	Weight	Max. Ton
	EV-F-A	500 mm [19.68"] Solid	27.0kg 59.5 lbs	40 ton/m 392 kN/m
	EV-F-X1	550 mm [21.65"] Sectioned	27.8kg 61.00 lbs	
	EV-F-X2	500 mm [19.68"] Sectioned	27.0kg 59.5 lbs	
	Height	Hemming Width	Hardness	Die Width
100 mm [3.93"]	10 mm [0.39"]	HRC 52-60	40 mm [1.57"]	

KF/653 &  
KF/695

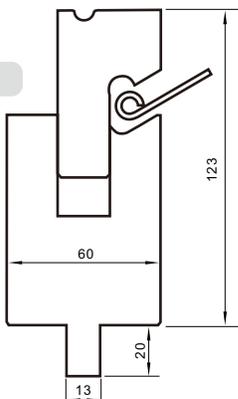
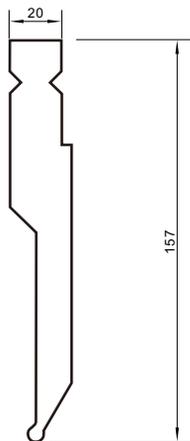


Code No.	Max. Ton	500 mm [19.68"]	Sectionalized	
			500 mm [19.68"]	550 mm [21.65"]
KF/695	133 ton/m 1300 kN/m	Height = 120 mm [4.72"] Width = 50 mm [1.97"]		
<b>Approximate Gross Weight</b>		25.9 kg 57.0 lbs	25.9 kg 57.0 lbs	28.1 kg 62.0 lbs

Code No.	Max. Ton	500 mm [19.68"]	Sectionalized	
			500 mm [19.68"]	550 mm [21.65"]
KF/653	133 ton/m 1300 kN/m	Height = 100 mm [3.94"] Width = 50 mm [1.97"]		
<b>Approximate Gross Weight</b>		24.9 kg 55.0 lbs	24.9 kg 55.0 lbs	27.7 kg 61.0 lbs

HINGE SET

KH/157 &  
KH/123



Our press brake hinge tools are built for durability and precision, making them ideal for hinge-line bends, tight-radius forming, and high-repeatability applications in demanding production environments.

Order Information		
Machine Model		
Material Thickness	Max. T=2.5mm / 12ga (MS) T=1.5mm / 16ga (SS)	
Material Type		
Inside Radius	$\varnothing \leq T \times 4 \sim 5$	
Dimension B		
Dimension C		
Dimension D		

FLATTENING SET

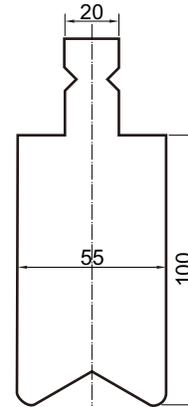
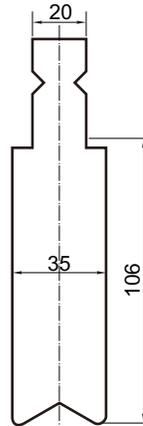
HINGE SET

**PUNCH HOLDER**

OW 308/K & OW 308/S

OW 308/K

OW 308/S



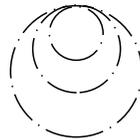
OW 308/K	Code No.	Length	Width	Height	Weight		Max. Ton	Hardness
	OW 308/K-S	100 mm [3.93"]			495 mm [19.49"]	35 mm [1.38"]		
OW 308/K-L	495 mm [19.49"]	3.5 kg / 7.72 lbs						
OW 308/S	Code No.	Length	Width	Height	Weight		Max. Ton	Hardness
	OW 308/S-S	100 mm [3.93"]			495 mm [19.49"]	55 mm [2.17"]		
OW 308/S-L	495 mm [19.49"]	3.5 kg / 7.72 lbs						

RADIUS BENDING SET

**PUNCH ROD**

TPR10 - TPR40

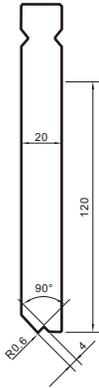
TPR



Code No.	Radius Size	Punch Holder	Weight		Max. Ton	Hardness
			100 mm Solid [3.94"]	500 mm Solid [19.68"]		
TPR10	R10	OW 308/K	0.26 kg / 0.57 lbs	1.30 kg / 2.87 lbs	100 ton/m 980 kN/m	HRC 52-60
TPR12.5	R12.5		0.40 kg / 0.88 lbs	2.00 kg / 6.17 lbs		
TPR15	R15	OW 308/K OW 308/S	0.56 kg / 1.23 lbs	2.80 kg / 6.17 lbs		
TPR17.5	R17.5		0.70 kg / 1.54 lbs	3.50 kg / 7.72 lbs		
TPR20	R20		1.06 kg / 2.34 lbs	5.30 kg / 11.68 lbs		
TPR25	R25		1.58 kg / 3.48 lbs	7.90 kg / 17.41 lbs		
TPR30	R30	OW 308/S	2.30 kg / 5.07 lbs	11.50 kg / 25.35 lbs		
TPR35	R35		3.12 kg / 6.88 lbs	15.60 kg / 34.39 lbs		
TPR40	R40		4.14 kg / 9.13 lbs	20.70 kg / 45.64 lbs		

OW/K Z4 & EV Z4

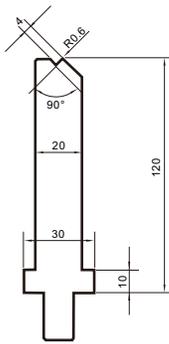
OW/K Z4



OW/K Z4	Code No.	Length	Height	Radius	Max. Ton
	OW/K Z4-A	500 mm [19.68"] Solid	120 mm [4.72"]	R0.6	183.5 ton/m 1800 kN/m
	OW/K Z4-X1	550 mm [21.65"] Sectioned			
	OW/K Z4-X2	500 mm [19.68"] Sectioned			
Hardness	Z Height	Tool Width	Angle	Weight	Latch
HRC 52 - 60	4 mm [0.16"]	20 mm [0.79"]	90°	11.5 kg / 25.35 lbs 12.4 kg / 27.34 lbs 11.5 kg / 25.35 lbs	PIN & BUTTON

OFFSETS BENDING

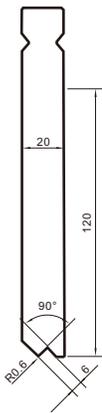
EZ V4



EV Z4	Code No.	Length	Height	Radius	Max. Ton	
	EV Z4-A	500 mm [19.68"] Solid	120 mm [4.72"]	R0.6	183.5 ton/m 1800 kN/m	
	EV Z4-X1	550 mm [21.65"] Sectioned				
	EV Z4-X2	500 mm [19.68"] Sectioned				
Hardness	Z Height	Width	S Width	S Height	Angle	Weight
HRC 52- 60	4 mm [0.16"]	20 mm [0.79"]	30 mm [1.18"]	10 mm [0.39"]	90°	9.1 kg / 20.1 lbs 10.2 kg / 20.49 lbs 9.1 kg / 20.1 lbs

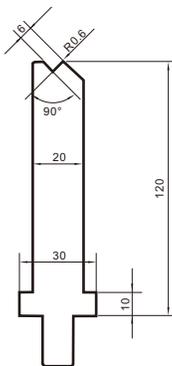
OW/K Z6 & EV Z6

OW/K Z6



OW/K Z6	Code No.	Length	Height	Radius	Max. Ton
	OW/K Z6-A	500 mm [19.68"] Solid	120 mm [4.72"]	R0.6	183.5 ton/m 1800 kN/m
	OW/K Z6-X1	550 mm [21.65"] Sectioned			
	OW/K Z6-X2	500 mm [19.68"] Sectioned			
Hardness	Z Height	Tool Width	Angle	Weight	Latch
HRC 52- 60	6 mm [0.24"]	20 mm [0.79"]	90°	11.5 kg / 25.35 lbs 12.4 kg / 27.34 lbs 11.5 kg / 25.35 lbs	PIN & BUTTON

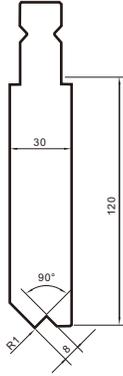
EV Z6



EV Z6	Code No.	Length	Height	Radius	Max. Ton	
	EV Z6-A	500 mm [19.68"] Solid	120 mm [4.72"]	R0.6	183.5 ton/m 1800 kN/m	
	EV Z6-X1	550 mm [21.65"] Sectioned				
	EV Z6-X2	500 mm [19.68"] Sectioned				
Hardness	Z Height	Width	S Width	S Height	Angle	Weight
HRC 52- 60	6 mm [0.24"]	20 mm [0.79"]	30 mm [1.18"]	10 mm [0.39"]	90°	9.1 kg / 20.1 lbs 10.2 kg / 20.49 lbs 9.1 kg / 20.1 lbs

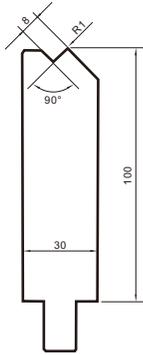
OW/K Z8 & EV Z8

OW/K Z8



OW/K Z8	Code No.	Length	Height	Radius	Max. Ton
	OW/K Z8-A	500 mm [19.68"] Solid	120 mm [4.72"]	R1	183.5 ton/m 1800 kN/m
	OW/K Z8-X1	500 mm [19.68"] Sectioned			
	OW/K Z8-X2	550 mm [19.68"] Sectioned			
Hardness	Z Height	Tool Width	Angle	Weight	Latch
HRC 52 - 60	8 mm [0.31"]	30 mm [1.18"]	90°	16.35 kg / 36.05 lbs 17.65 kg / 38.91 lbs 16.35 kg / 36.05 lbs	PIN & BUTTON

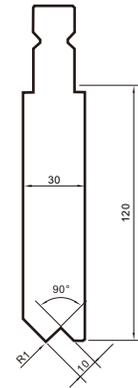
EZ V8



EV Z8	Code No.	Length	Height	Radius	Max. Ton
	EV Z8-A	500 mm [19.68"] Solid	100 mm [3.94"]	R1	183.5 ton/m 1800 kN/m
	EV Z8-X1	550 mm [21.65"] Sectioned			
	EV Z8-X2	500 mm [19.68"] Sectioned			
Hardness	Z Height	Width	Angle	Weight	Latch
HRC 52- 60	8 mm [0.31"]	30 mm [1.18"]	90°	12.4 kg / 27.34 lbs 13.6 kg / 30.00 lbs 12.4 kg / 27.34 lbs	

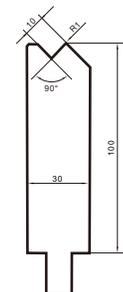
OW/K Z10 & EV Z10

OW/K Z10



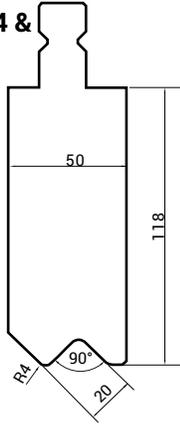
OW/K Z10	Code No.	Length	Height	Radius	Max. Ton
	OW/K Z10-A	500 mm [19.68"] Solid	120 mm [4.72"]	R1	183.5 ton/m 1800 kN/m
	OW/K Z10-X1	550 mm [21.65"] Sectioned			
	OW/K Z10-X2	500 mm [19.68"] Sectioned			
Hardness	Z Height	Tool Width	Angle	Weight	Latch
HRC 52- 60	10 mm [0.39"]	30 mm [1.18"]	90°	16.35 kg / 36.05 lbs 17.65 kg / 38.91 lbs 16.35 kg / 36.05 lbs	PIN & BUTTON

EV Z10



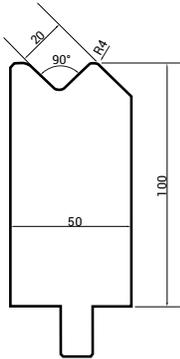
EV Z10	Code No.	Length	Height	Radius	Max. Ton
	EV Z10-A	500 mm [19.68"] Solid	100 mm [3.94"]	R1	183.5 ton/m 1800 kN/m
	EV Z10-X1	550 mm [21.65"] Sectioned			
	EV Z10-X2	500 mm [19.68"] Sectioned			
Hardness	Z Height	Width	Angle	Weight	Latch
HRC 52- 60	10 mm [0.39"]	30 mm [1.18"]	90°	12.4 kg / 27.34 lbs 13.6 kg / 30.00 lbs 12.4 kg / 27.34 lbs	

OW/K Z4 & EV Z4



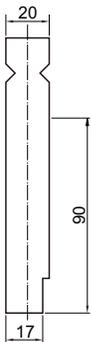
OWZ/S 20	Code No.	Length	Weight	Max. Ton	Z Height	Height	Tool Width	Radius
	OWZ/S 20-A	500 mm [19.68"] Solid	29.0kg 64.0 lbs	100 ton/m 980 kN/m	20 mm 0.79"	118 mm [4.65"]	50 mm [1.97"]	R4
	OWZ/S 20-X1	550 mm [21.65"] Sectioned	29.9 kg 66.0 lbs			Z Angle	Hardness	Latch
	OWZ/S 20-X2	500 mm [19.68"] Sectioned	29.0kg 64.0 lbs			90°	HRC 52 - 60	PIN & BUTTON

OFFSETS BENDING

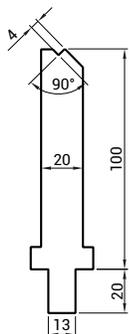


EVZ 20	Code No.	Length	Weight	Max. Ton	Z Height	Height	Tool Width	Radius
	EVZ 20-A	500 mm [19.68"] Solid	20.87 kg 46.0 lbs	100 ton/m 980 kN/m	20 mm 0.79"	100 mm [3.94"]	50 mm [1.97"]	R4
	EVZ 20-X1	550 mm [21.65"] Sectioned	21.55 kg 47.5 lbs			Z Angle	Hardness	Tang
	EVZ 20-X2	500 mm [19.68"] Sectioned	20.87 kg 46.0 lbs			90°	HRC 52-60	W*H 13 *20 mm 0.51*0.79"

OW/K 90 & EVZ 4

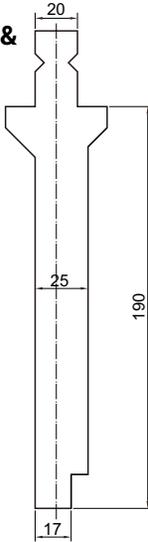


OW/S 190	Code No.	Length	Weight	Max. Ton	Latch	Height	Tool Width
	OW/S 190-A	500 mm [19.68"] Solid	10.0 kg 22.05 lbs	100 ton/m 980 kN/m	PIN & BUTTON	190 mm [7.48"]	25 mm [0.98"]
	OW/S 190-X1	550 mm [21.65"] Sectioned	12.0 kg 26.46 lbs			Z Angle	Hardness
	OW/S 190-X2	500 mm [19.68"] Sectioned	10.0 kg 22.05 lbs			90°	HRC 52 - 60

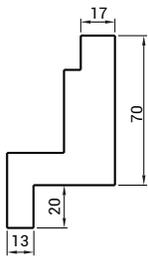


EVZ 4	Code No.	Length	Weight	Max. Ton	Z Height	Height	Tool Width	Radius
	EVZ 4-A	500 mm [19.68"] Solid	10.0 kg 22.05 lbs	100 ton/m 980 kN/m	4 mm [0.16"]	100 mm [3.94"]	20 mm [0.79"]	R4
	EVZ 4-X1	550 mm [21.65"] Sectioned	12.0 kg 26.46 lbs			Z Angle	Hardness	Tang
	EVZ 4-X2	500 mm [19.68"] Sectioned	10.0 kg 22.05 lbs			90°	HRC 52-60	W*H 13 *20 mm 0.51*0.79"

OW/S 190 & EV 70

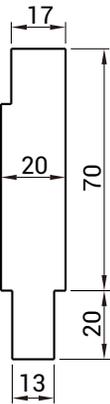


OW/S 190	Code No.	Length	Weight	Max. Ton	Height	Tool Width	Tip Width
	OW/S 190-A	500 mm [19.68"] Solid	24.8 kg 54.67 lbs	100 ton/m 980 kN/m	190 mm [7.48"]	25 mm [0.98"]	17 mm [0.67"]
	OW/S 190-X1	550 mm [21.65"] Sectioned	25.60 kg 56.43 lbs				
	OW/S 190-X2	500 mm [19.68"] Sectioned	24.8 kg 54.67 lbs				
					Z Angle	Hardness	Latch
					90°	HRC 52 - 60	PIN & BUTTON



EV 70	Code No.	Length	Weight	Max. Ton	Hardness	Height	Tip Width
	EV 70-A	500 mm [19.68"] Solid	10.4 kg 22.93 lbs	100 ton/m 980 kN/m	HRC 52 - 60	70 mm [2.76"]	17 mm [0.67"]
	EV 70-X1	550 mm [21.65"] Sectioned	11.8 kg 26.01 lbs				
	EV 70-X2	500 mm [19.68"] Sectioned	10.4 kg 22.93 lbs				
					Z Angle	Tang	
					90°	W*H 13*20 mm 0.51*0.79"	

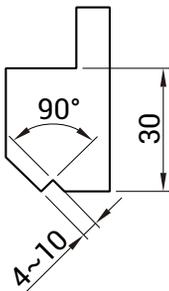
EV 70-M



EV 70 - M	Code No.	Length	Weight	Max. Ton	Hardness	Height	Tool Width
	EV 70/M-A	500 mm [19.68"] Solid	3.0 kg 6.6 lbs	100 ton/m 980 kN/m	HRC 52 - 60	70 mm [2.76"]	20 mm [0.79"]
	EV 70/M-X1	550 mm [21.65"] Sectioned	3.0 kg 6.6 lbs				
	EV 70/M-X2	500 mm [19.68"] Sectioned	3.0 kg 6.6 lbs				
					Z Angle	Tang	
					90°	W*H 13*20 mm 0.51*0.79"	

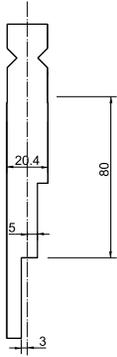
Z INSERTS

ZE 4-10



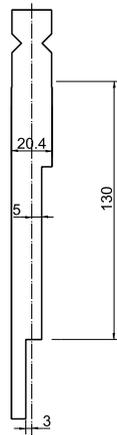
Code No.	Length	Height	Angle	Z Height	Weight	Z Punch		
ZE 4-A	500 mm Solid [19.68"]	30 mm [1.18"]	90°	4 mm [0.16"]	3.70 kg / 8.16 lbs	OWK 90		
ZE 4-X1	550 mm Sectioned [21.56"]				4.20 kg / 9.26 lbs			
ZE 4-X2	500 mm Sectioned [19.68"]				3.70 kg / 8.16 lbs			
ZE 6-A	500 mm Solid [19.68"]			30 mm [1.18"]	90°	6 mm [0.24"]	3.62 kg / 7.98 lbs	OW/S 190
ZE 6-X1	550 mm Sectioned [21.56"]						3.94 kg / 8.69 lbs	
ZE 6-X2	500 mm Sectioned [19.68"]						3.62 kg / 7.98 lbs	
ZE 8-A	500 mm Solid [19.68"]					8 mm [0.31"]	3.92 kg / 8.64 lbs	EV 70
ZE 8-X1	550 mm Sectioned [21.56"]						4.06 kg / 8.95 lbs	
ZE 8-X2	500 mm Sectioned [19.68"]						3.92 kg / 8.64 lbs	
ZE 10-A	500 mm Solid [19.68"]			30 mm [1.18"]	90°	10 mm [0.39"]	4.70 kg / 10.36 lbs	EV 70-M
ZE 10-X1	550 mm Sectioned [21.56"]						4.95 kg / 10.91 lbs	
ZE 10-X2	500 mm Sectioned [19.68"]						4.70 kg / 10.36 lbs	

OW/K80



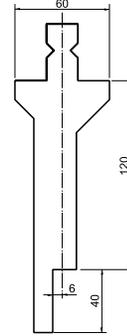
HRC 52 - 60  
Max. Ton 100

OW/K130



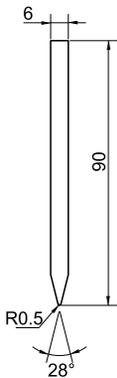
HRC 52 - 60  
Max. Ton 100

OW209/S



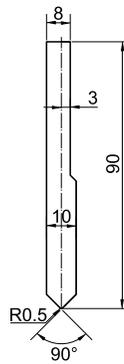
HRC 52 - 60  
Max. Ton 100

OW 390



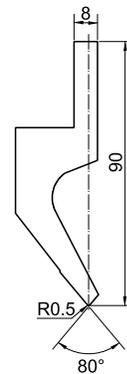
R0.5/28°  
HRC 52 - 60  
Max. Ton 40

OW 390



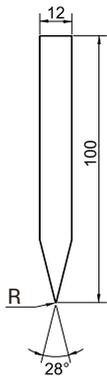
R0.5/90°  
HRC 52 - 60  
Max. Ton 50

OW 391



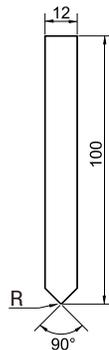
R0.5/80°  
HRC 52 - 60  
Max. Ton 80

OW 320/28°



R0.3~5.0/28°  
HRC 52 - 90  
Max. Ton 40

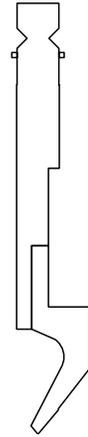
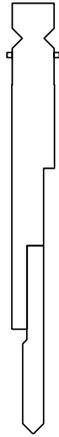
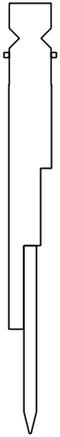
OW 320/90°



R0.3~5.0/90°  
HRC 52 - 90  
Max. Ton 40

The tool details are on the next page





OW/K80	Code No.	Length	Height	Weight	Max. Ton	Hardness
	OW/K80-A	500 mm [19.68"] Solid	80 mm [3.15"]	10.8 kg [23.8 lbs]	100 ton/m 980 kN/m	HRC 52-60
	OW/K80-X1	550 mm [21.65"] Sectioned		11.6 kg [25.6 lbs]		
	OW/K80-X2	500 mm [19.68"] Sectioned		10.8 kg [23.8 lbs]		

OW 390 28° / 90°	Code No.	Length	Height	Weight	Max. Ton	Hardness
	OW390-A	500 mm [19.68"] Solid	90 mm [3.54"]	3.0 kg [6.6 lbs]	40 ton/m 392 kN/m	HRC 52-60
	OW390-X1	550 mm [21.65"] Sectioned		4.6 kg [10.1 lbs]		
	OW390-X2	500 mm [19.68"] Sectioned		4.1 kg [9.0 lbs]		

OW/K130	Code No.	Length	Height	Weight	Max. Ton	Hardness
	OW/K130-A	500 mm [19.68"] Solid	130 mm [5.12"]	14.2 kg [31.3 lbs]	100 ton/m 980 kN/m	HRC 52-60
	OW/K130-X1	550 mm [21.65"] Sectioned		15.6 kg [34.3 lbs]		
	OW/K130-X2	500 mm [19.68"] Sectioned		14.2 kg [31.3 lbs]		

OW 391	Code No.	Length	Height	Weight	Max. Ton	Hardness
	OW391-A	500 mm [19.68"] Solid	90 mm [3.54"]	5.9 kg [13.0 lbs]	100 ton/m 980 kN/m	HRC 52-60
	OW391-X1	550 mm [21.65"] Sectioned		6.8 kg [15.0 lbs]		
	OW391-X2	500 mm [19.68"] Sectioned		5.9 kg [13.0 lbs]		

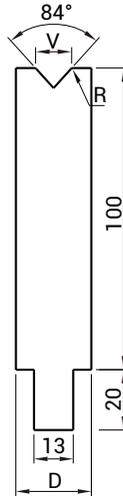
OW209/S	Code No.	Length	Height	Weight	Max. Ton	Hardness
	OW209/S-A	500 mm [19.68"] Solid	80 mm [3.15"]	20 kg [44.1 lbs]	100 ton/m 980 kN/m	HRC 52-60
	OW209/S-X1	550 mm [21.65"] Sectioned		21.9 kg [48.3 lbs]		
	OW209/S-X2	500 mm [19.68"] Sectioned		20 kg [44.1 lbs]		

OW 320	Code No.	Length	Height	Weight	Max. Ton	Hardness
	OW320-A	500 mm [19.68"] Solid	100 mm [3.94"]	5.3 kg [11.7 lbs]	40 ton/m 392 kN/m	HRC 52-60
	OW320-X1	550 mm [21.65"] Sectioned		6.2 kg [13.7 lbs]		
	OW320-X2	500 mm [19.68"] Sectioned		5.3 kg [11.7 lbs]		

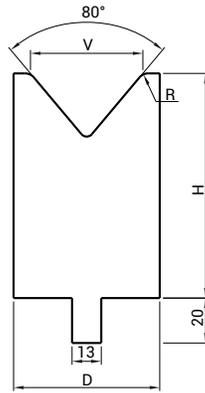


EVW SERIES **EVW84°**



	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
<b>EVW6/84</b>	EVW6/84-A	500 mm Solid [19.68"]	100 mm 3.94"	V6	10.00 kg 22.00 lbs	R0.6	40 ton/m 392 kN/m
	EVW6/84-X1	550 mm Sectioned [21.65"]			11.00 kg 24.20 lbs		
	EVW6/84-X2	500 mm Sectioned [19.68"]			9.30 kg 20.46 lbs		
<b>EVW8/84</b>	EVW8/84-A	500 mm Solid [19.68"]		V8	9.30 kg 20.46 lbs	R0.8	40 ton/m 392 kN/m
	EVW8/84-X1	550 mm Sectioned [21.65"]			10.10 kg 22.22 lbs		
	EVW8/84-X2	500 mm Sectioned [19.68"]			9.30 kg 20.46 lbs		
<b>EVW10/84</b>	EVW10/84-A	500 mm Solid [19.68"]		V10	9.20 kg 20.24 lbs	R1.0	50 ton/m 490 kN/m
	EVW10/84-X1	550 mm Sectioned [21.65"]			10.10 kg 22.22 lbs		
	EVW10/84-X2	500 mm Sectioned [19.68"]			9.20 kg 20.24 lbs		
<b>EVW12/84</b>	EVW12/84-A	500 mm Solid [19.68"]		V12	11.10 kg 24.42 lbs	R1.0	50 ton/m 490 kN/m
	EVW12/84-X1	550 mm Sectioned [21.65"]			12.20 kg 26.80 lbs		
	EVW12/84-X2	500 mm Sectioned [19.68"]			11.00 kg 24.20 lbs		
<b>EVW16/84</b>	EVW16/84-A	500 mm Solid [19.68"]	V16	13.00kg 28.60 lbs	R1.6	70 ton/m 686 kN/m	
	EVW16/84-X1	550 mm Sectioned [21.65"]		14.50 kg 31.90 lbs			
	EVW16/84-X2	500 mm Sectioned [19.68"]		13.00 kg 28.60 lbs			
<b>EVW20/84</b>	EVW20/84-A	500 mm Solid [19.68"]	V20	13.50 kg 29.70 lbs	R2.0	70 ton/m 686 kN/m	
	EVW20/84-X1	550 mm Sectioned [21.65"]		14.70 kg 32.34 lbs			
	EVW20/84-X2	500 mm Sectioned [19.68"]		12.80 kg 28.16 lbs			

FULL BODY DIES



	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
EVW24/80	EVW6/84-A	500 mm Solid [19.68"]	100 mm [3.94"]	V24	14.50 kg 31.90 lbs	R2.5	70 ton/m 686 kN/m
	EVW6/84-X1	550 mm Sectioned [21.65"]			15.90 kg 34.98 lbs		
	EVW6/84-X2	500 mm Sectioned [19.68"]			14.50 kg 31.90 lbs		
EVW30/80	EVW8/84-A	500 mm Solid [19.68"]		V30	19.00 kg 41.80 lbs	R5.0	90 ton/m 882 kN/m
	EVW8/84-X1	550 mm Sectioned [21.65"]			20.70 kg 45.54 lbs		
	EVW8/84-X2	500 mm Sectioned [19.68"]			17.90 kg 39.38 lbs		
EVW40/80	EVW10/84-A	500 mm Solid [19.68"]		V40	21.00 kg 46.20 lbs	R5.0	100 ton/m 980 kN/m
	EVW10/84-X1	550 mm Sectioned [21.65"]			23.00 kg 50.60 lbs		
	EVW10/84-X2	500 mm Sectioned [19.68"]			21.00 kg 46.20 lbs		
EVW50/80	EVW12/84-A	500 mm Solid [19.68"]		V50	24.70 kg 54.34 lbs	R5.0	100 ton/m 980 kN/m
	EVW12/84-X1	550 mm Sectioned [21.65"]			26.00 kg 57.20 lbs		
	EVW12/84-X2	500 mm Sectioned [19.68"]			24.70 kg 54.34 lbs		
EVW60/80	EVW16/84-A	500 mm Solid [19.68"]	V60	28.00 kg 61.60 lbs	R5.0	100 ton/m 980 kN/m	
	EVW16/84-X1	550 mm Sectioned [21.65"]		30.80 kg 67.76 lbs			
	EVW16/84-X2	500 mm Sectioned [19.68"]		28.00 kg 61.60 lbs			
EVW70/80	EVW20/84-A	500 mm Solid [19.68"]	V70	30.00 kg 66.00 lbs	R5.0	100 ton/m 980 kN/m	
	EVW20/84-X1	550 mm Sectioned [21.65"]		31.80 kg 69.96 lbs			
	EVW20/84-X2	500 mm Sectioned [19.68"]		29.00 kg 63.80 lbs			

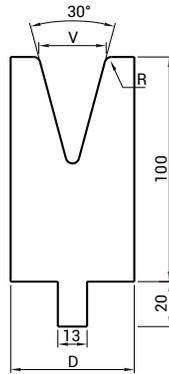
100 MM TALL

EVW SERIES **EVW84°**

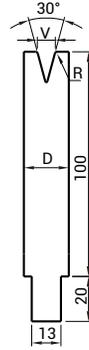
	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
EVW80/80	EVW80/80-A	500 mm Solid [19.68"]	100 mm [3.94"]	V80	34.60 kg 76.12 lbs	R5.0	100 ton/m 980 kN/m
	EVW80/80-X1	550 mm Sectioned [21.65"]			34.60 kg 76.12 lbs		
	EVW80/80-X2	500 mm Sectioned [19.68"]			37.80 kg 83.16 lbs		
EVW90/80	EVW90/80-A	500 mm Solid [19.68"]	120 mm [4.68"]	V90	45.00 kg 99.00 lbs	R8.0	100 ton/m 980 kN/m
	EVW90/80-X1	550 mm Sectioned [21.65"]			45.00 kg 99.00 lbs		
	EVW90/80-X2	500 mm Sectioned [19.68"]			48.50 kg 106.70 lbs		
EVW100/80	EVW100/80-A	500 mm Solid [19.68"]	120 mm [4.68"]	V100	47.20 kg 103.84 lbs	R8.0	100 ton/m 980 kN/m
	EVW100/80-X1	550 mm Sectioned [21.65"]			46.50 kg 102.30 lbs		
	EVW100/80-X2	500 mm Sectioned [19.68"]			51.00 kg 112.20 lbs		

100 MM TALL

EVW SERIES **EVW30°**



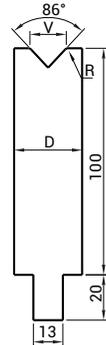
	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
EVW30/30	EVW30/30-A	500 mm Solid [19.68"]	100 mm [3.94"]	V30	20.60 kg 45.32 lbs	R3.0	90 ton/m 882 kN/m
	EVW30/30-X1	550 mm Sectioned [21.65"]			22.50 kg 49.50 lbs		
	EVW30/30-X2	500 mm Sectioned [19.68"]			20.60 kg 45.32 lbs		
EVW40/30	EVW40/30-A	500 mm Solid [19.68"]	100 mm [3.94"]	V40	18.80 kg 41.36 lbs	R5.0	90 ton/m 882 kN/m
	EVW40/30-X1	550 mm Sectioned [21.65"]			20.60 kg 45.32 lbs		
	EVW40/30-X2	500 mm Sectioned [19.68"]			18.80 kg 41.36 lbs		



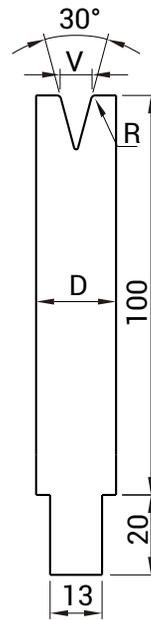
EV001~EV007

	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
EV 001	EV001-A	500 mm Solid [19.68"]	100 mm [3.94"]	V6	10.00 kg 22.00 lbs	R0.6	40 ton/m 392 kN/m
	EV001-X1	550 mm Sectioned [21.65"]			11.10 kg 24.42 lbs		
	EV001-X2	500 mm Sectioned [19.68"]			9.30 kg 20.46 lbs		
EV 002	EV002-A	500 mm Solid [19.68"]		V8	9.80 kg 21.56 lbs	R1.0	40 ton/m 392 kN/m
	EV002-X1	550 mm Sectioned [21.65"]			10.90 kg 23.98 lbs		
	EV002-X2	500 mm Sectioned [19.68"]			9.80 kg 21.56 lbs		
EV 003	EV003-A	500 mm Solid [19.68"]		V10	9.70 kg 21.34 lbs	R1.0	40 ton/m 392 kN/m
	EV003-X1	550 mm Sectioned [21.65"]			10.70 kg 23.54 lbs		
	EV003-X2	500 mm Sectioned [19.68"]			9.70 kg 21.34 lbs		
EV 004	EV004-A	500 mm Solid [19.68"]		V12	10.80 kg 23.76 lbs	R1.0	40 ton/m 392 kN/m
	EV004-X1	550 mm Sectioned [21.65"]			11.80 kg 25.96 lbs		
	EV004-X2	500 mm Sectioned [19.68"]			10.80 kg 23.76 lbs		
EV 005	EV005-A	500 mm Solid [19.68"]		V16	12.30 kg 27.06 lbs	R1.6	50 ton/m 392 kN/m
	EV005-X1	550 mm Sectioned [21.65"]			13.50 kg 29.70 lbs		
	EV005-X2	500 mm Sectioned [19.68"]			12.30 kg 27.06 lbs		
EV 006	EV006-A	500 mm Solid [19.68"]		V20	13.70 kg 30.14 lbs	R2.0	60 ton/m 588 kN/m
	EV006-X1	550 mm Sectioned [21.65"]			15.00 kg 33.00 lbs		
	EV006-X2	500 mm Sectioned [19.68"]			13.70 kg 30.14 lbs		
EV 007	EV007-A	500 mm Solid [19.68"]		V24	16.70 kg 36.74 lbs	R2.5	65 ton/m 637 kN/m
	EV007-X1	550 mm Sectioned [21.65"]			18.20 kg 40.04 lbs		
	EV007-X2	500 mm Sectioned [19.68"]			15.50 kg 34.10 lbs		

FULL BODY DIES



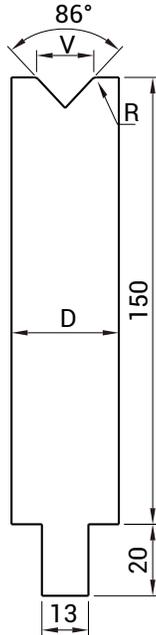
	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
EV 020	EV020-A	500 mm Solid [19.68"]	100 mm [3.94"]	V6	10.00 kg 22.00 lbs	R0.6	40 ton/m 392 kN/m
	EV020-X1	550 mm Sectioned [21.65"]			11.10kg 24.42 lbs		
	EV020-X2	500 mm Sectioned [19.68"]			10.00 kg 22.00 lbs		
EV 021	EV021-A	500 mm Solid [19.68"]		V8	10.00kg 22.00 lbs	R0.8	40 ton/m 392kN/m
	EV021-X1	550 mm Sectioned [21.65"]			11.10kg 24.42 lbs		
	EV021-X2	500 mm Sectioned [19.68"]			10.00kg 22.00 lbs		
EV 022	EV022-A	500 mm Solid [19.68"]		V10	10.00 kg 22.00 lbs	R1.0	50 ton/m 490kN/m
	EV022-X1	550 mm Sectioned [21.65"]			11.10 kg 24.42 lbs		
	EV022-X2	500 mm Sectioned [19.68"]			10.00 kg 22.00 lbs		
EV 023	EV023-A	500 mm Solid [19.68"]		V12	11.00 kg 24.20 lbs	R1.0	50 ton/m 490kN/m
	EV023-X1	550 mm Sectioned [21.65"]			12.20 kg 26.84 lbs		
	EV023-X2	500 mm Sectioned [19.68"]			11.00 kg 24.20 lbs		
EV 024	EV024-A	500 mm Solid [19.68"]	V16	13.00 kg 28.60 lbs	R1.6	70 ton/m 686 kN/m	
	EV024-X1	550 mm Sectioned [21.65"]		13.00 kg 28.60 lbs			
	EV024-X2	500 mm Sectioned [19.68"]		13.00 kg 31.46 lbs			



EV001~EV007

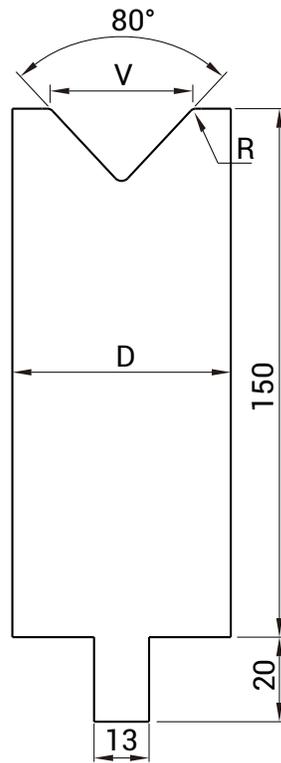
	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
EV 025	EV025-A	500 mm Solid [19.68"]	100 mm [3.94"]	V20	13.50 kg 29.70 lbs	R0.6	70 ton/m 686 kN/m
	EV025-X1	550 mm Sectioned [21.65"]			14.70 kg 32.34 lbs		
	EV025-X2	500 mm Sectioned [19.68"]			13.50 kg 29.70 lbs		
EV 026	EV026-A	500 mm Solid [19.68"]		V24	15.70 kg 34.54 lbs	R2.5	70 ton/m 686 kN/m
	EV026-X1	550 mm Sectioned [21.65"]			17.40 kg 38.28 lbs		
	EV026-X2	500 mm Sectioned [19.68"]			15.70 kg 34.54 lbs		
EV 027	EV027-A	500 mm Solid [19.68"]		V30	19.30 kg 42.46 lbs	R3.0	90 ton/m 882 kN/m
	EV027-X1	550 mm Sectioned [21.65"]			21.20 kg 46.64 lbs		
	EV027-X2	500 mm Sectioned [19.68"]			17.90 kg 39.38 lbs		
EV 028	EV028-A	500 mm Solid [19.68"]		V40	22.40 kg 49.28 lbs	R3.0	100 ton/m 980 kN/m
	EV028-X1	550 mm Sectioned [21.65"]			23.60 kg 51.92 lbs		
	EV028-X2	500 mm Sectioned [19.68"]			21.50 kg 47.30 lbs		
EV 029	EV029-A	500 mm Solid [19.68"]	V50	29.60 kg 65.12 lbs	R3.0	100 ton/m 980 kN/m	
	EV029-X1	550 mm Sectioned [21.65"]		32.30 kg 71.06 lbs			
	EV029-X2	500 mm Sectioned [19.68"]		28.50 kg 62.70 lbs			

EV 02 SERIES EV 02 86°



EV020/H~EV029/H

	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
EV 020/H	EV020/H-A	500 mm Solid [19.68"]	150 mm [5.85"]	V6	14.60 kg 32.12 lbs	R0.6	40 ton/m 392 kN/m
	EV020/H-X1	550 mm Sectioned [21.65"]			15.70 kg 34.54 lbs		
	EV020/H-X2	500 mm Sectioned [19.68"]			14.60 kg 32.12 lbs		
EV 021/H	EV021/H-A	500 mm Solid [19.68"]		V8	14.40 kg 31.68 lbs	R0.8	40 ton/m 392 kN/m
	EV021/H-X1	550 mm Sectioned [21.65"]			16.00 kg 35.20 lbs		
	EV021/H-X2	500 mm Sectioned [19.68"]			14.40 kg 31.68 lbs		
EV 022/H	EV022/H-A	500 mm Solid [19.68"]		V10	14.50 kg 31.90 lbs	R1.0	50 ton/m 490 kN/m
	EV022/H-X1	550 mm Sectioned [21.65"]			15.60 kg 34.32 lbs		
	EV022/H-X2	500 mm Sectioned [19.68"]			14.50 kg 31.90 lbs		
EV 023/H	EV023/H-A	500 mm Solid [19.68"]		V12	17.00 kg 37.40 lbs	R1.0	50 ton/m 490 kN/m
	EV023/H-X1	550 mm Sectioned [21.65"]			17.50 kg 38.50 lbs		
	EV023/H-X2	500 mm Sectioned [19.68"]			16.00 kg 35.20 lbs		
EV 024/H	EV024/H-A	500 mm Solid [19.68"]	V16	19.70 kg 43.34 lbs	R1.6	70 ton/m 686 kN/m	
	EV024/H-X1	550 mm Sectioned [21.65"]		20.10 kg 44.22 lbs			
	EV024/H-X2	500 mm Sectioned [19.68"]		18.90 kg 41.58 lbs			



	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
EV/HW24/80	EV/HW24/80-A	500 mm Solid [19.68"]	150 mm [5.85"]	V24	22.00 kg 48.40 lbs	R2.5	70 ton/m 686 kN/m
	EV/HW24/80-X1	550 mm Sectioned [21.65"]			24.60 kg 54.12 lbs		
	EV/HW24/80-X2	500 mm Sectioned [19.68"]			22.00 kg 48.40 lbs		
EV/HW30/80	EV/HW30/80-A	500 mm Solid [19.68"]		V30	28.20 kg 62.04 lbs	R5.0	90 ton/m 882 kN/m
	EV/HW30/80-X1	550 mm Sectioned [21.65"]			30.10 kg 66.22 lbs		
	EV/HW30/80-X2	500 mm Sectioned [19.68"]			28.20 kg 62.04 lbs		
EV/HW40/80	EV/HW40/80-A	500 mm Solid [19.68"]		V40	33.20 kg 73.04 lbs	R5.0	100 ton/m 980 kN/m
	EV/HW40/80-X1	550 mm Sectioned [21.65"]			34.30 kg 75.46 lbs		
	EV/HW40/80-X2	500 mm Sectioned [19.68"]			33.20 kg 73.04 lbs		
EV/HW50/80	EV/HW50/80-A	500 mm Solid [19.68"]		V50	38.10 kg 83.82 lbs	R5.0	100 ton/m 980 kN/m
	EV/HW50/80-X1	550 mm Sectioned [21.65"]			39.20 kg 86.24 lbs		
	EV/HW50/80-X2	500 mm Sectioned [19.68"]			38.10 kg 83.82 lbs		



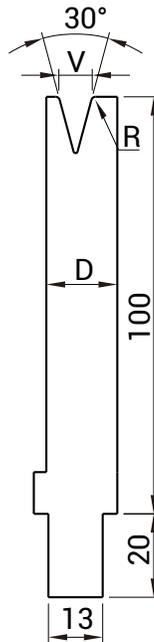
**KETEC**  
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**KETEC**  
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KETTEN

MAX 5000NM (50TONM)  
MAX 15TONFOOT  
www.ketecdoor.com  
202505080002 H

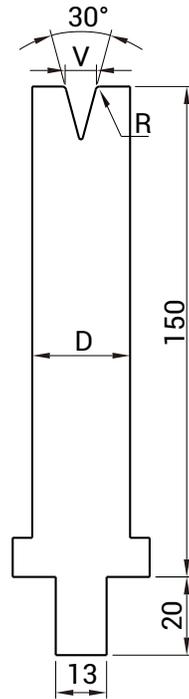
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(84°)



EV001/S~EV004/S

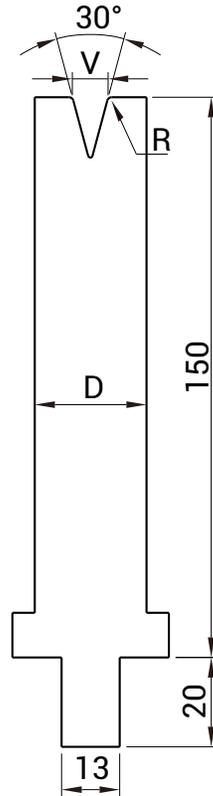
	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
EV001/S	EV001/S-A	500 mm Solid [19.68"]	100 mm [3.94"]	V6	7.10 kg 15.62 lbs	R0.6	17 ton/m 167 kN/m
	EV001/S-X1	550 mm Sectioned [21.65"]			7.50 kg 16.50 lbs		
	EV001/S-X2	500 mm Sectioned [19.68"]			6.40 kg 14.08 lbs		
EV002/S	EV001/S-A	500 mm Solid [19.68"]		V8	7.00 kg 15.40 lbs	R1.0	20 ton/m 196 kN/m
	EV001/S-X1	550 mm Sectioned [21.65"]			7.60 kg 16.72 lbs		
	EV001/S-X2	500 mm Sectioned [19.68"]			7.00 kg 15.40 lbs		
EV003/S	EV003/S-A	500 mm Solid [19.68"]		V10	8.30 kg 18.26 lbs	R1.0	20 ton/m 196 kN/m
	EV003/S-X1	550 mm Sectioned [21.65"]			9.20 kg 20.24 lbs		
	EV003/S-X2	500 mm Sectioned [19.68"]			7.60 kg 16.72 lbs		
EV004/S	EV004/S-A	500 mm Solid [19.68"]		V12	8.30 kg 18.26 lbs	R1.0	25 ton/m 245 kN/m
	EV004/S-X1	550 mm Sectioned [21.65"]			9.00 kg 19.80 lbs		
	EV004/S-X2	500 mm Sectioned [19.68"]			8.30 kg 18.26 lbs		

RELIEVED DIES



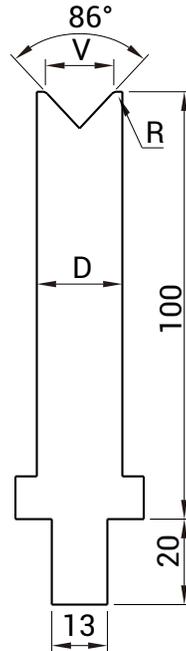
EV001/H~EV007/H

	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
EV001/H	EV001/H-A	500 mm Solid [19.68"]	100 mm [3.94"]	V6	14.20 kg 31.24 lbs	R0.6	40 ton/m 392 kN/m
	EV001/H-X1	550 mm Sectioned [21.65"]			14.80 kg 32.56 lbs		
	EV001/H-X2	500 mm Sectioned [19.68"]			14.20 kg 31.24 lbs		
EV002/H	EV002/H-A	500 mm Solid [19.68"]		V8	14.10 kg 31.02 lbs	R1.0	40 ton/m 392 kN/m
	EV002/H-X1	550 mm Sectioned [21.65"]			15.40 kg 33.88 lbs		
	EV002/H-X2	500 mm Sectioned [19.68"]			14.10 kg 31.02 lbs		
EV003/H	EV003/H-A	500 mm Solid [19.68"]		V10	14.00 kg 30.80 lbs	R1.0	40 ton/m 392 kN/m
	EV003/H-X1	550 mm Sectioned [21.65"]			14.50 kg 31.90 lbs		
	EV003/H-X2	500 mm Sectioned [19.68"]			13.20 kg 33.88 lbs		
EV004/H	EV004/H-A	500 mm Solid [19.68"]		V12	16.50 kg 36.30 lbs	R1.0	40 ton/m 392 kN/m
	EV004/H-X1	550 mm Sectioned [21.65"]			17.10 kg 37.62 lbs		
	EV004/H-X2	500 mm Sectioned [19.68"]			15.60 kg 34.32 lbs		



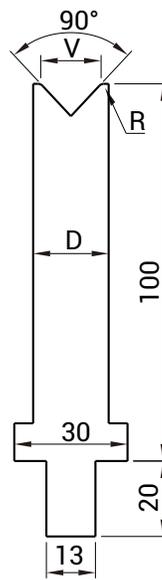
EV001/H~EV007/H

	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
EV005/H	EV005/H-A	500 mm Solid [19.68"]	150 mm [5.85"]	V16	19.10 kg 42.02 lbs	R1.6	50 ton/m 490 kN/m
	EV005/H-X1	550 mm Sectioned [21.65"]			20.00 kg 44.00 lbs		
	EV005/H-X2	500 mm Sectioned [19.68"]			19.10 kg 42.02 lbs		
EV006/H	EV006/H-A	500 mm Solid [19.68"]		V20	22.00 kg 48.40 lbs	R2.0	60 ton/m 588 kN/m
	EV006/H-X1	550 mm Sectioned [21.65"]			22.60 kg 49.72 lbs		
	EV006/H-X2	500 mm Sectioned [19.68"]			21.00kg 46.20 lbs		
EV007/H	EV007/H-A	500 mm Solid [19.68"]		V24	26.50 kg 58.30 lbs	R2.5	65 ton/m 637 kN/m
	EV007/H-X1	550 mm Sectioned [21.65"]			28.00 kg 61.60 lbs		
	EV007/H-X2	500 mm Sectioned [19.68"]			26.50 kg 58.30 lbs		



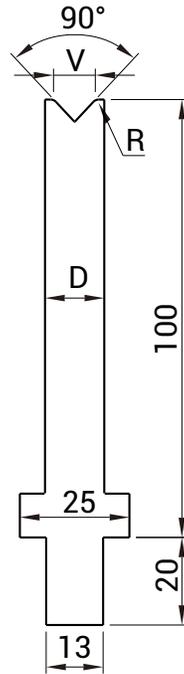
EV020/S~EV023/S

	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
EV020/S	EV020/S-A	500 mm Solid [19.68"]	100 mm [3.94"]	V6	5.80 kg 12.76 lbs	R0.6	25 ton/m 245 kN/m
	EV020/S-X1	550 mm Sectioned [21.65"]			6.80 kg 14.96 lbs		
	EV020/S-X2	500 mm Sectioned [19.68"]			6.50 kg 14.30 lbs		
EV021/S	EV021/S-A	500 mm Solid [19.68"]		V8	6.70 kg 14.74 lbs	R0.8	35 ton/m 343 kN/m
	EV021/S-X1	550 mm Sectioned [21.65"]			7.40 kg 16.28 lbs		
	EV021/S-X2	500 mm Sectioned [19.68"]			6.70 kg 14.74 lbs		
EV022/S	EV022/S-A	500 mm Solid [19.68"]		V10	7.80 kg 17.16 lbs	R1.0	50 ton/m 490 kN/m
	EV022/S-X1	550 mm Sectioned [21.65"]			8.70 kg 19.14 lbs		
	EV022/S-X2	500 mm Sectioned [19.68"]			7.80 kg 17.16 lbs		
EV023/S	EV023/S-A	500 mm Solid [19.68"]		V12	7.70 kg 16.94 lbs	R1.0	70 ton/m 686 kN/m
	EV023/S-X1	550 mm Sectioned [21.65"]			9.40 kg 20.94 lbs		
	EV023/S-X2	500 mm Sectioned [19.68"]			8.50 kg 18.70 lbs		



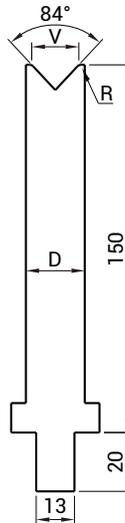
EV040~EV044

	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
EV 040	EV040-A	500 mm Solid [19.68"]	100 mm [3.94"]	V6	10.40 kg 22.88 lbs	R0.6	100 ton/m 980 kN/m
	EV040-X1	550 mm Sectioned [21.65"]			11.20 kg 24.64 lbs		
	EV040-X2	500 mm Sectioned [19.68"]			10.40 kg 22.88 lbs		
EV 041	EV041-A	500 mm Solid [19.68"]		V8	10.40 kg 22.88 lbs	R1.0	100 ton/m 980 kN/m
	EV041-X1	550 mm Sectioned [21.65"]			11.20 kg 24.64 lbs		
	EV041-X2	500 mm Sectioned [19.68"]			10.40 kg 22.88 lbs		
EV 042	EV042-A	500 mm Solid [19.68"]		V10	10.40 kg 22.88 lbs	R1.0	100 ton/m 980 kN/m
	EV042-X1	550 mm Sectioned [21.65"]			11.00 kg 24.20 lbs		
	EV042-X2	500 mm Sectioned [19.68"]			10.40 kg 22.88 lbs		
EV 043	EV043-A	500 mm Solid [19.68"]		V12	10.30 kg 22.66 lbs	R1.0	100 ton/m 980 kN/m
	EV043-X1	550 mm Sectioned [19.68"]			10.50 kg 23.10 lbs		
	EV043-X2	500 mm Sectioned [21.65"]			10.30 kg 22.66 lbs		
EV 044	EV044-A	500 mm Solid [19.68"]	V16	13.70 kg 30.14 lbs	R1.6	100 ton/m 980 kN/m	
	EV044-X1	550 mm Sectioned [21.65"]		14.60 kg 32.12 lbs			
	EV044-X2	500 mm Sectioned [19.65"]		13.70 kg 30.14 lbs			



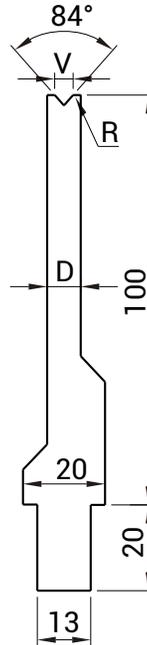
EV040/S~EV043/S

	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
EV040/S	EV040/S-A	500 mm Solid [19.68"]	100 mm [3.94"]	V6	6.70 kg 14.74 lbs	R0.6	40 ton/m 392 kN/m
	EV040/S-X1	550 mm Sectioned [21.56"]			7.20 kg 15.84 lbs		
	EV040/S-X2	500 mm Sectioned [19.68"]			6.70 kg 14.74 lbs		
EV041/S	EV041/S-A	500 mm Solid [19.68"]		V8	7.40 kg 16.28 lbs	R0.6	46 ton/m 451 kN/m
	EV041/S-X1	550 mm Sectioned [21.65"]			7.80 kg 17.16 lbs		
	EV041/S-X2	500 mm Sectioned [19.68"]			6.70 kg 14.74 lbs		
EV042/S	EV042/S-A	500 mm Solid [19.68"]		V10	8.00 kg 18.04 lbs	R1.0	53 ton/m 519 kN/m
	EV042/S-X1	550 mm Sectioned [21.65"]			8.20 kg 18.04 lbs		
	EV042/S-X2	500 mm Sectioned [19.68"]			7.20 kg 15.84 lbs		
EV043/S	EV043/S-A	500 mm Solid [19.68"]		V12	8.70 kg 19.14 lbs	R1.0	55 ton/m 539 kN/m
	EV043/S-X1	550 mm Sectioned [21.65"]			9.00 kg 19.80 lbs		
	EV043/S-X2	500 mm Sectioned [19.68"]			8.70 kg 19.14 lbs		



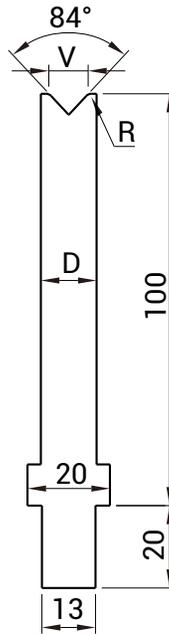
	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
<b>EV/HW6/84</b>	EV/HW6/84-A	500 mm Solid [19.68"]	150 mm [5.85"]	V6	14.70 kg 32.34 lbs	R0.6	40 ton/m 392 kN/m
	EV/HW6/84-X1	550 mm Sectioned [21.65"]			15.60 kg 34.32 lbs		
	EV/HW6/84-X2	500 mm Sectioned [21.65"]			14.70 kg 32.34 lbs		
<b>EV/HW8/84</b>	EV/HW8/84-A	500 mm Solid [19.68"]		V8	14.60 kg 32.12 lbs	R0.8	40 ton/m 392 kN/m
	EV/HW8/84-X1	550 mm Sectioned [21.65"]			15.20 kg 33.44 lbs		
	EV/HW8/841-X2	500 mm Sectioned [21.65"]			14.60 kg 32.12 lbs		
<b>EV/HW10/84</b>	EV/HW10/84-A	500 mm Solid [19.68"]		V10	14.50 kg 31.90 lbs	R1.0	50 ton/m 490 kN/m
	EV/HW10/84-X1	550 mm Sectioned [21.65"]			15.30 kg 33.66 lbs		
	EV/HW10/84-X2	500 mm Sectioned [21.65"]			14.50 kg 31.90 lbs		
<b>EV/HW12/84</b>	EV/HW12/84-A	500 mm Solid [19.68"]		V12	15.60 kg 34.32 lbs	R1.0	50 ton/m 490 kN/m
	EV/HW12/84-X1	550 mm Sectioned [21.65"]			17.00 kg 37.40 lbs		
	EV/HW12/84-X2	500 mm Sectioned [19.68"]			15.60 kg 34.32 lbs		
<b>EV/HW16/84</b>	EV/HW16/84-A	500 mm Solid [19.68"]	V16	19.80 kg 43.56 lbs	R1.6	70 ton/m 686 kN/m	
	EV/HW16/84-X1	550 mm Sectioned [19.68"]		20.80 kg 45.76 lbs			
	EV/HW16/84-X2	500 mm Sectioned [19.68"]		19.80 kg 43.56 lbs			
<b>EV/HW20/84</b>	EV/HW20/84-A	500 mm Solid [19.68"]	V20	19.70 kg 43.34 lbs	R2.0	70 ton/m 686 kN/m	
	EV/HW20/8-X1	550 mm Sectioned [21.65"]		20.50 kg 45.10 lbs			
	EV/HW20/84-X2	500 mm Sectioned [19.68"]		19.70 kg 43.34 lbs			

RELIEVED DIES



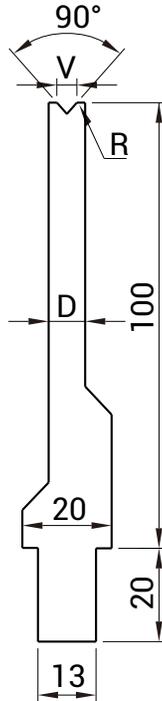
EV/SW4~EV/SW5

	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
<b>EV/SW4/84</b>	EV/SW4/84-A	500 mm Solid [19.68"]	100 mm [3.94"]	V4	5.50 kg 12.10 lbs	R0.6	25 ton/m 245 kN/m
	EV/SW4/84-X1	550 mm Sectioned [21.65"]			6.80 kg 14.96 lbs		
	EV/SW4/84-X2	500 mm Sectioned [19.68"]			5.50 kg 12.10 lbs		
<b>EV/SW5/84</b>	EV/SW5/84-A	500 mm Solid [19.68"]		V5	6.30 kg 13.86 lbs	R0.6	25 ton/m 245 kN/m
	EV/SW5/84-X1	550 mm Sectioned [21.65"]			7.30 kg 16.06 lbs		
	EV/SW5/84-X2	500 mm Sectioned [19.68"]			6.30 kg 13.86 lbs		

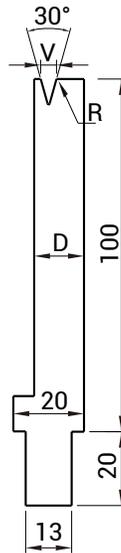


EV/SW6~EV/SW12

	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
EV/SW6/84	EV/SW6/84-A	500 mm Solid [19.68"]	100 mm [3.94"]	V6	6.50 kg 14.30 lbs	R0.6	25 ton/m 245 kN/m
	EV/SW6/84-X1	550 mm Sectioned [21.65"]			7.00 kg 15.40 lbs		
	EV/SW6/84-X2	500 mm Sectioned [19.68"]			6.50 kg 14.30 lbs		
EV/SW8/84	EV/SW8/84-A	500 mm Solid [19.68"]		V8	6.00 kg 13.20 lbs	R0.8	35 ton/m 343 kN/m
	EV/SW8/84-X1	550 mm Sectioned [21.65"]			6.50 kg 13.20 lbs		
	EV/SW8/84-X2	500 mm Sectioned [19.68"]			6.00 kg 13.20 lbs		
EV/SW10/84	EV/SW10/84-A	500 mm Solid [19.68"]		V10	6.50 kg 13.20 lbs	R1.0	40 ton/m 392 kN/m
	EV/SW10/84-X1	550 mm Sectioned [21.65"]			6.50 kg 13.20 lbs		
	EV/SW10/84-X2	500 mm Sectioned [19.68"]			6.50 kg 13.20 lbs		
EV/SW12/84	EV/SW12/84-A	500 mm Solid [19.68"]		V12	7.80 kg 13.20 lbs	R1.0	40 ton/m 392 kN/m
	EV/SW12/84-X1	550 mm Sectioned [21.65"]			8.50 kg 13.20 lbs		
	EV/SW12/84-X2	500 mm Sectioned [19.68"]			7.80 kg 13.20 lbs		



	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
<b>EV/SW4/90</b>	EV/SW4/90-A	500 mm Solid [19.68"]	100 mm [3.94"]	V4	6.70 kg 14.74 lbs	R0.6	25 ton/m 245 kN/m
	EV/SW4/90-X1	550 mm Sectioned [21.65"]			7.30 kg 16.06 lbs		
	EV/SW4/90-X2	500 mm Sectioned [19.68"]			6.70 kg 14.74 lbs		
<b>EV/SW5/90</b>	EV/SW5/90-A	500 mm Solid [19.68"]		V5	7.20 kg 15.84 lbs	R0.6	39 ton/m 382 kN/m
	EV/SW5/90-X1	550 mm Sectioned [21.65"]			7.90 kg 17.38 lbs		
	EV/SW5/90-X2	500 mm Sectioned [19.68"]			7.20 kg 15.84 lbs		



RELIEVED DIES

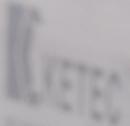
	Code No.	Length	Height	V Opening	Weight	Shoulder Radius	Max. Ton
EV/SW4/30	EV/SW4/30-A	500 mm Solid [19.68"]	100 mm [3.94"]	V4	8.20 kg 18.04 lbs	R0.6	15 ton/m 147 kN/m
	EV/SW4/30-X1	550 mm Sectioned [21.65"]			8.80 kg 19.36 lbs		
	EV/SW4/30-X2	500 mm Sectioned [19.68"]			7.40 kg 16.28 lbs		
EV/SW5/30	EV/SW5/30-A	500 mm Solid [19.68"]		V5	8.20 kg 18.04 lbs		
	EV/SW5/30-X1	550 mm Sectioned [21.65"]			9.00 kg 19.80 lbs		
	EV/SW5/30-X2	500 mm Sectioned [19.68"]			7.50 kg 16.50 lbs		



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R=1 A=86  
H=157 L=100  
MAX:400KNM (40TONM)  
MAX:12TON/FOOT  
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20250508000203 BH



#OW204K  
R=1 A=86  
H=157 L=100  
MAX:200KN/M  
20250508000203 BH



#EWW10/84 84°  
V=10 R=1  
H=100 L=50  
MAX:500KNM  
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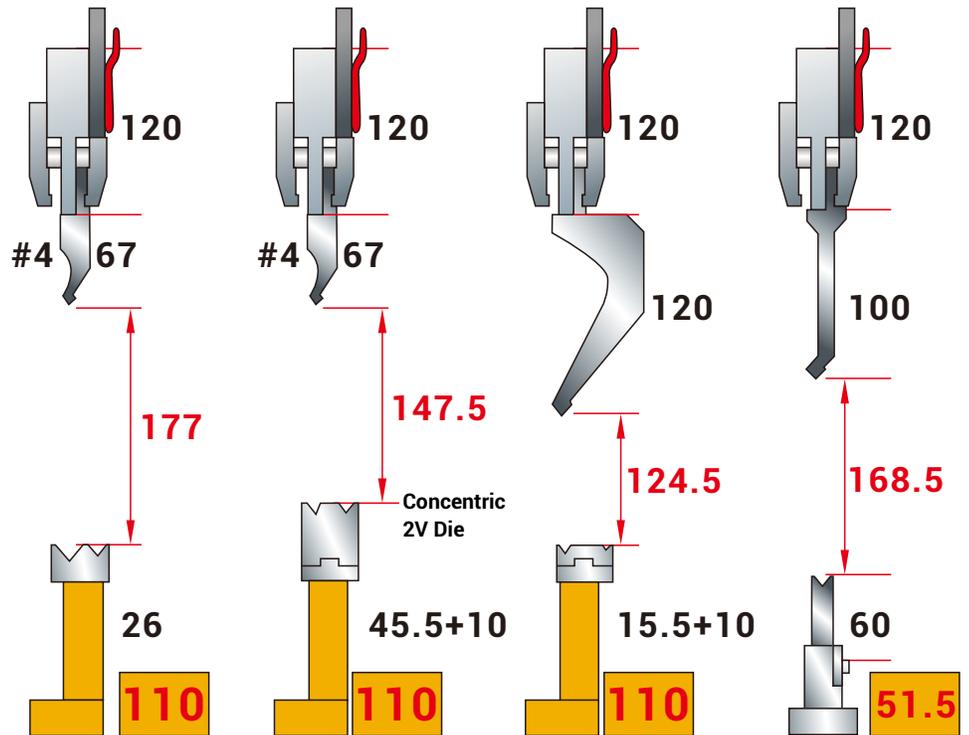


#EWW10/84 84°  
V=10 R=1  
H=100 L=100  
MAX:500KNM (50TON/M)  
MAX:15TON/FOOT  
www.ketecool.com  
202505080002 H

10  
(84°)

## Note

By using different combinations, various cutting edge distances can be achieved to process different parts. Distance between the tip of the punch and die should not exceed half of the stroke minus the width of the V-groove.



## 2 Tooling Storage



Code No.	Description	W x D x H	Weight Capacity
1K03CA1	Horizontal Pull-out	100*74*137cm 3.94"*2.91*5.39"	1600 kg 3527 lbs

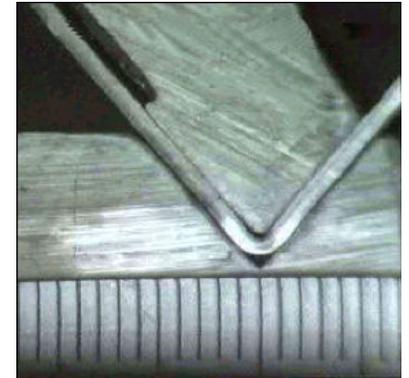
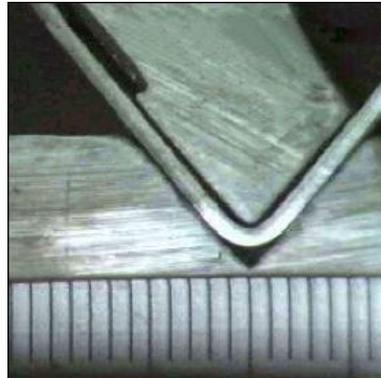
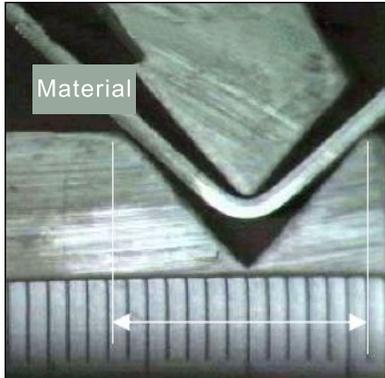
Code No.	Description	W x D x H	Weight Capacity
1K03CA2	Vertical Pull-out	100*74*137cm 3.94"*2.91*5.39"	1600 kg 3527 lbs

### Air Bending

### Coining

### Bottoming

Diagram



V width

12-15T

6-12T

5-6T

Inside Radius

2-2.5T

1-2T

0.5-0.8T

Accuracy

$> \pm 45'$

$\pm 30'$

$\pm 15'$

Bending Accuracy

Large curvature  
Radius circle arc  
surface

Good

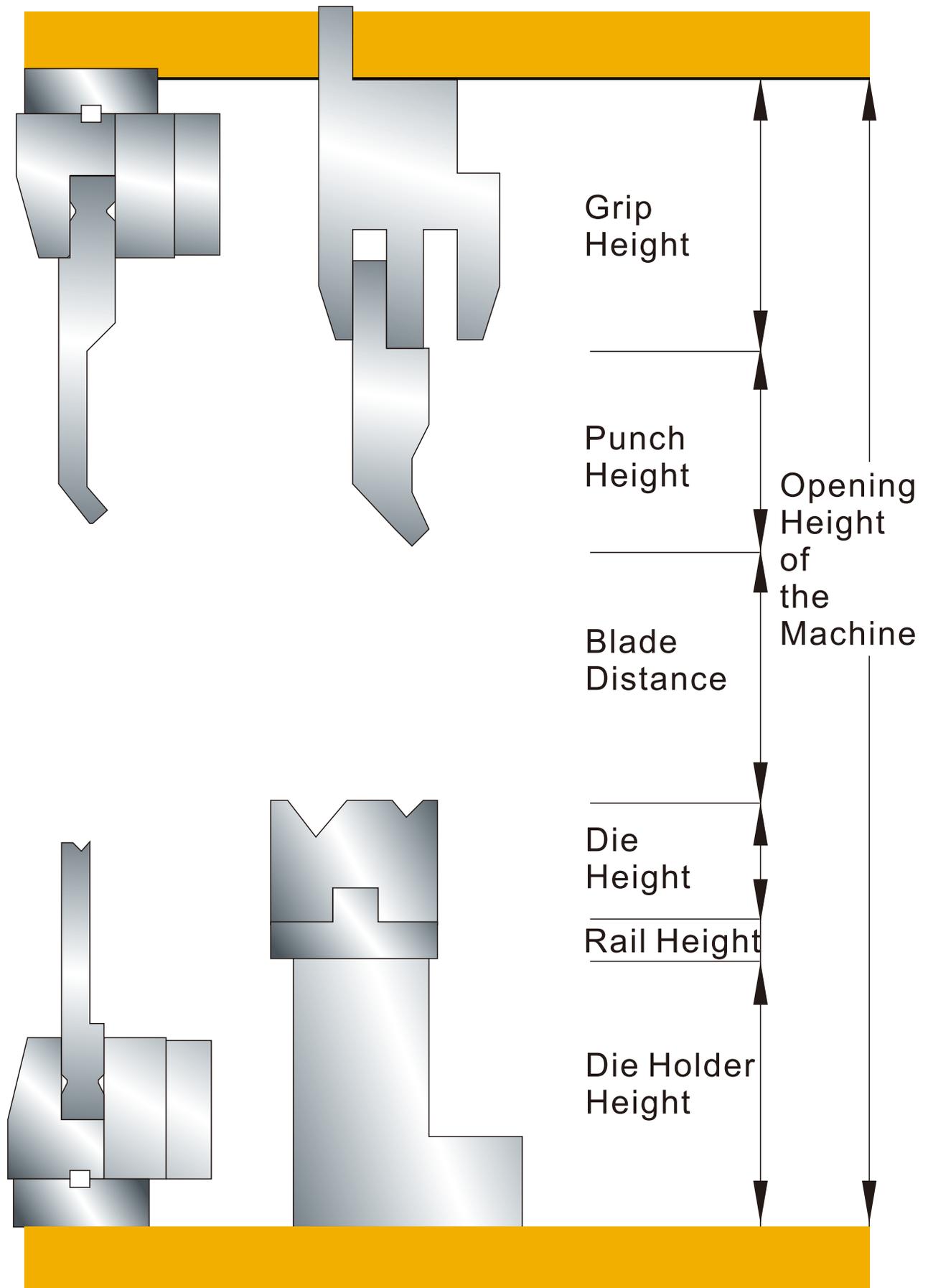
Good

Features

Any desired bending angle can be achieved

High precision can be obtained with relatively low pressure

Marking accuracy can be achieved, and the required bending pressure is 5-8 times that of air bending



 <b>GAUGE CHART</b>										
GAUGE #	BRASS & ALUMINUM SHEETS		COLD & HOT ROLLED STEEL SHEETS		ALU., COPPER, BRASS, & STEEL TUBES COPPER SHEETS HOOP STEEL		STAINLESS STEEL SHEETS		GALVANIZED STEEL SHEETS	
	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
7	1443	3.665	.1793	4.554	.180	4.572				
8	.1285	3.264	.1644	4.175	.165	4.191	.17187	4.365	.1681	4.269
9	.1144	2.906	.1495	3.797	.148	3.759	.15625	3.968	.1532	3.891
10	.1019	2.588	.1345	3.416	.134	3.404	.14062	3.571	.1382	3.510
11	.09074	2.305	.1196	3.038	.120	3.048	.125	3.175	.1233	3.1318
12	.08081	2.053	.1046	2.656	.109	2.769	.10937	2.778	.1084	2.753
14	.06408	1.628	.0747	1.897	.083	2.108	.07812	1.984	.0785	1.9939
16	.05082	1.291	.0598	1.518	.065	1.651	.0625	1.587	.0635	1.6129
18	.04030	1.024	.0478	1.214	.049	1.245	.050	1.270	.0516	1.310
20	.03196	.812	.0359	.911	.035	.889	.0375	.9525	.0396	1.005
22	.02535	.644	.0299	.759	.028	.711	.03125	.7937	.0336	.853
24	.02010	.511	.0239	.607	.022	.559	.025	.635	.0276	.701
26	.01594	.405	.0179	.454	.018	.457	.01875	.476	.0217	.551
28	.01264	.321	.0149	.378	.014	.356	.01562	.396	.0187	.474
30	.01003	.255	.0120	.305	.012	.305	.0125	.3175	.0157	.398

**Die Opening Selection Formula**

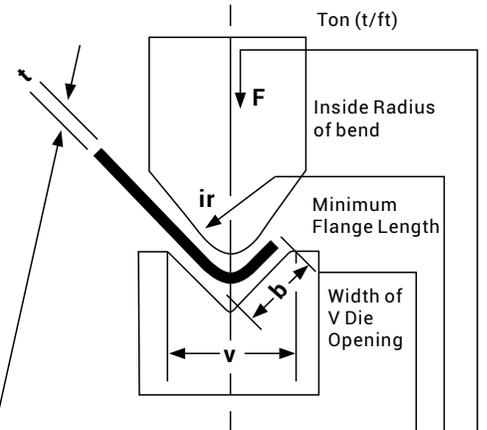
t	Gauge	12 or less	11-5/16"	3/8"-1/2"	3/8"and up
	Inches	0.105" or less	0.120"-0.313"	0.375"-0.500"	0.625"and up
"V" Size		6×t	8×t	10×t	12×t

**Note**

If the material thickness and inside bend radius are known, the following can be obtained from the chart below:

- Pressure required for bending the material for 1 foot
- Opening of the die to be used
- Minimum bendable flange length

**t** Material thickness (tensile strength: 56892-71115 lbs/in<sup>2</sup>)  
**F** Tons per one foot  
**ir** Inside bend radius  
**b** Minimum flange length  
**v** Die opening



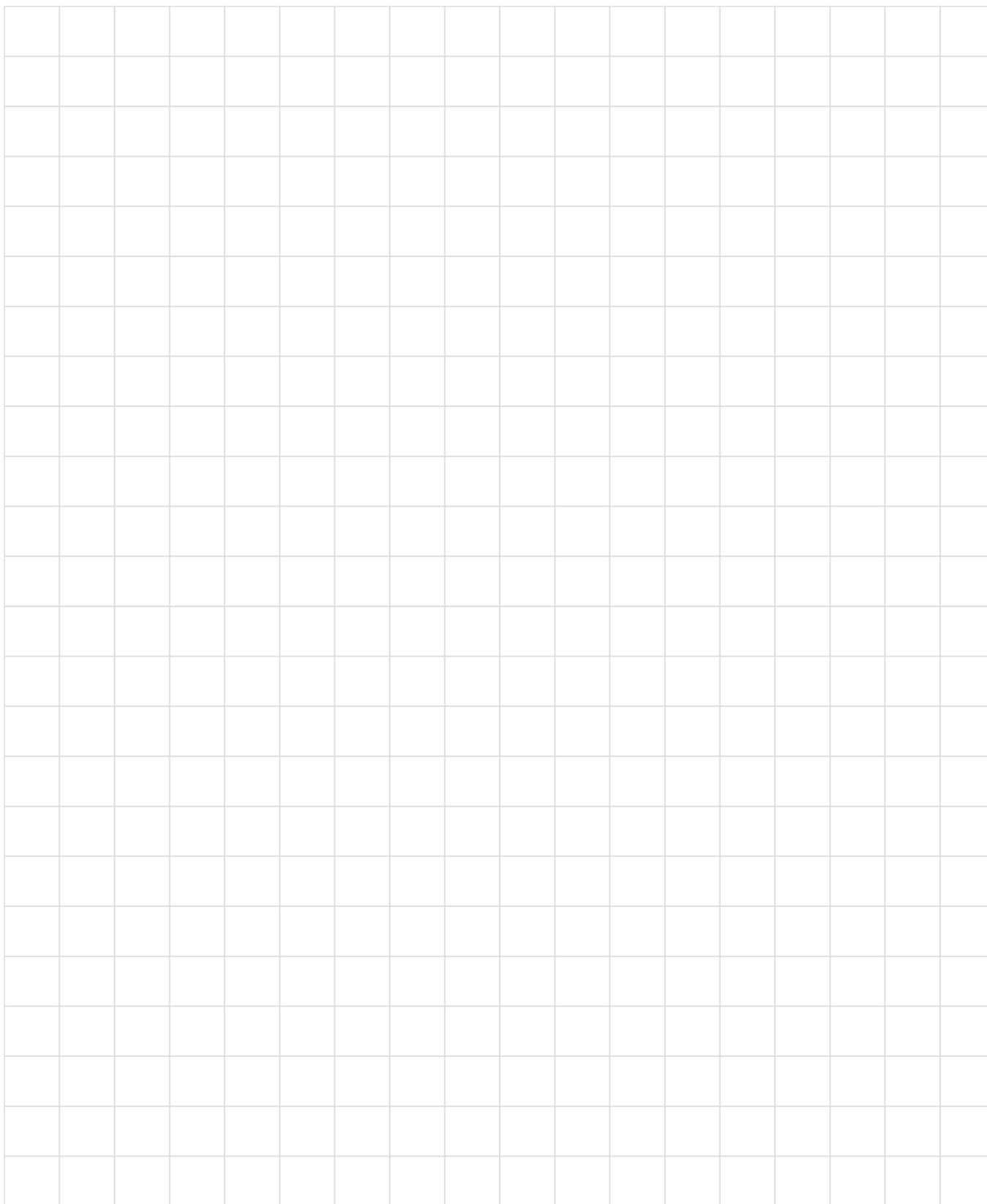
t	
Gauge	Dec

Thickness  
Mid Steel

Gauge	Dec	4	6	7	8	10	12	14	16	18	20	25	32	40	50	63	80	100	100	160	200	250	mm
		156	250	281	313	375	500	563	625	688	750	1.000	1.25	1.500	2.000	2.500	3.000	4.000	5.000	16.000	8.000	10.000	inches
		.125	.188	.203	.219	.281	.344	.406	.438	.531	.563	.688	.875	1.125	1.375	1.750	2.188	2.188	3.500	14.500	5.500	6.875	inches
		031	031	047	047	063	078	094	109	125	141	156	203	250	313	406	516	625	750	11.031	1.313	1.625	inches
20	0.036	5.4	3.6	3.0	2.5	2.0	1.7																v
18	0.048		6.8	5.8	4.8	3.7	2.7	2.4	2.0														b
16	0.060				7.8	6.2	5.0	4.2	3.5	3.1	2.7												ir
14	0.075					11.0	8.2	7.0	5.5	4.8	4.1	3.1											
12	0.105						15.0	13.0	11.0	9.4	7.4	5.5	4.0										F
11	0.120							16.0	13.0	10.0	7.3	5.0	3.8										
10	0.135									12.0	9.0	6.2	4.7	3.5									
188	0.180										24.0	15.0	11.0	7.5	5.7								
250	0.250											30.0	20.0	14.0	10.5	8.5							
313	0.313												36.0	25.0	18.0	13.0	10.0						
375	0.375													38.0	28.0	20.0	15.0	11.0					
500	0.500														52.0	39.0	30.0	22.0	16.0				
625	0.625															70.0	52.0	38.0	27.0	20.0	15.0		
750	0.750																	66.0	43.0	32.0	22.0		
1.000	1.000																		90.0	61.0	44.0		
1.250	1.250																				102.0	70.0	

**Note**

**If you can not find what you are looking for, please consult our sales engineers. We accept all file format for your drawings.**





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