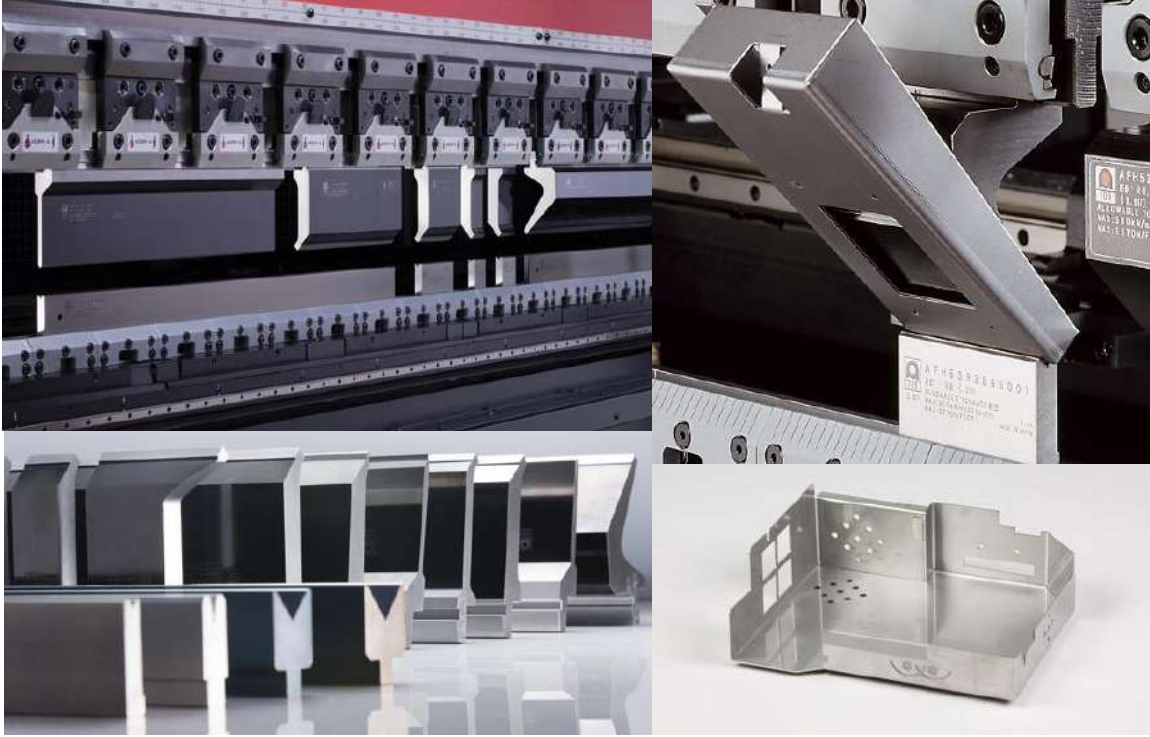


PRESS BRAKE TOOLS

AFH Tooling Code List



—Index—

AFH Punches

◆ AFH120 Punches	
Standard Punches	4
Sash Punches	7
Gooseneck Punches	9
Straight Punches	12
Acute Punches/Hemming Punches	14
Burring Punches No.1	16
◆ Standard for Heavy Duty Punches	16
◆ AFH90 Punches	
Standard Punches/Sash Punches/Gooseneck Punches	17
Straight Punches/Acute Punches	18

AFH Dies

◆ AFH Acute Dies	19
◆ AFH Dies	22
◆ Heavy Duty AX 1V Dies	32

Die Holders

◆ FEAT AFH Die Holders	33
◆ Reversible 1V Die Holders	34

Regarding listed items.

- ◇ Listed items can be ordered using catalog codes.
- ◇ colored catalog # is order-made item.
 - ※The delivery time of listed items (with codes) becomes shorter than of special tools (no codes).
 - If customers would like to purchase special shape of AFH Tool, please recommend listed items.
- ◇ Punch height is H=120 (or H=90) when tip radius is R0.2. As tip radius becomes larger, punch height becomes shorter.

【SK Code for Punches】

- AFH120 Punches : SK Code is "1B" (Taper+Groove) and "ID" is marked.
- AFH90 Punches : SK Code is "11" (Taper+Groove) and "ID" is not marked.

Taper + Groove



【SK Code for Dies】

- Dies : SK Code is "1A" and "ID" is marked.
- Die Holders(FEAT AFH Die Holder/Sectionalized 1V Die Holder R) : SK Code is "10" and "ID" is not marked.

AFH120 Punch and Die Product Line-up

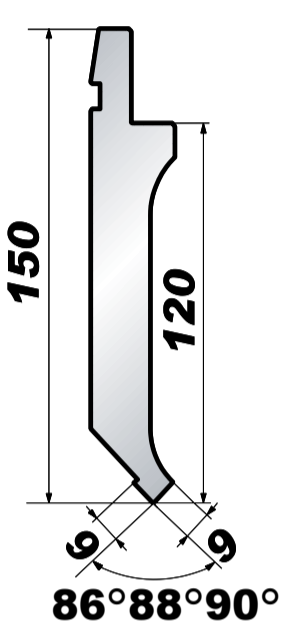
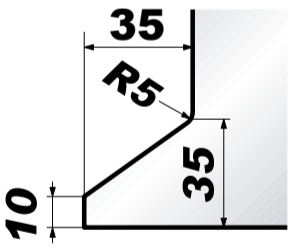
Series	AFH120 Punches																Heavy Duty			
	Standard		Sash	Gooseneck		Br. No.1	Straight	Acute <i>ALP</i>	Hemming	R3.0 Spec				T-Type (Max.Back Relief Spec)						
	9mm	4mm		9mm	6mm					Standard	Sash	Gooseneck	Straight	Standard	Sash	Gooseneck		Straight	Hemming	
Profile																				
Angle (R)	86° (R0.2, 0.6)	86° (R0.2, 0.6)	86° (R0.2, 0.6)	86° (R0.2, 0.6, 3.0)	86° (R0.2, 0.6)	86° (R0.2, 0.6)	86° (R0.2, 0.6)	30° (R0.2, 0.6)	30° (R0.6)	86° (R1.5, 2.3, 3.0)	86° (R3.0)	86°*2 (R1.5, 2.3)	86° (R3.0)	86°(R0.2, 0.6)					30° (R0.6)	84° (R3.0)
	88°(R0.2, 0.6)	-	88°(R0.2, 0.6)	88°(R0.2, 0.6)	-	-	88°(R0.2, 0.6)			88°(R3.0)	88°(R3.0)	88°(R3.0)	88°(R3.0)	88°(R0.2, 0.6)						
	90°(R0.2)	90°(R0.2)	90°(R0.2)	90°(R0.2)	-	90°(R0.2)	90°(R0.2)													
B-Sect.	○*1	○*1	○*1	○*1	○	○*1	○*1	○	○	○	○	○	○	○	○	○	○	○	○	×
Size (mm)	L=835, M=510, SS=200, Sectionalized=Total 370(10×2, 15, 20, 25, 40, 50, 100×2), Ears=Total 200(Right 100, Left 100) B-Sectionalized=Total 800(10, 15, 20, 40, 50, 100×2, 165, 300) ※No ear shape																			

Series	AFH Dies <i>A.L.D.</i>							<i>AX</i> Heavy Duty AX1V
	AFH Die for Standard				R-Type (Max.Sh.R Spec)	T-Type (Max. Double Relief Spec)		
Profile								
Angle	30°	86°	88°	90°	30°	86°, 88°	86°, 88°	84°
V	4, 6, 8, 10, 12	4, 5, 6, 7, 8 10, 12, 14 16, 18, 20, 25	4, 5, 6, 8, 10 12, 14, 16 18, 20, 25	4, 5, 6, 7 8, 10, 12	4, 6, 8, 10, 12	4, 5, 10, 16, 18, 20, 25	4, 5, 6, 8, 10, 16, 18, 20, 25	32, 40
B-Sect.	○	○	○	×	○	○	○	×
Size (mm)	L=835, M=510, SS=200, Sectionalized=Total 370(10×2, 15, 20, 25, 40, 50, 100×2)□ ☒Sectionalized for Heavy Duty AX1V Die=Total 365(20, 25, 30, 40, 50, 100×2) B-Sectionalized=Total 800(10, 15, 20, 40, 50, 100, 200, 365)							

Regarding listed items.

- ◆ Listed items can be ordered using catalog codes.
- ◆ colored items are order-made item.
 - ※The delivery time of listed items (with codes) becomes shorter than of special tools (no codes). please recommend listed items.
- ◆ Punch height is H=120 or H=90 when tip radius is R0.2.
 - ※As tip radius becomes larger, punch height becomes shorter.

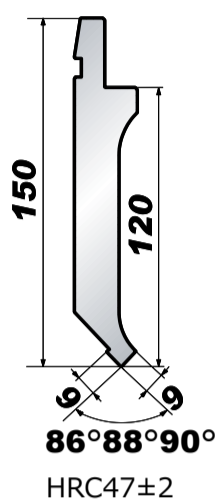
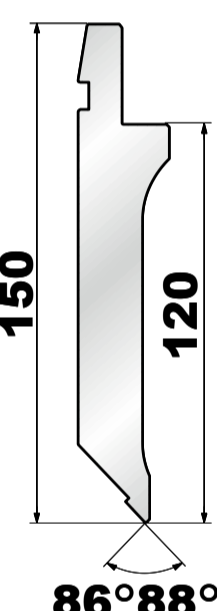
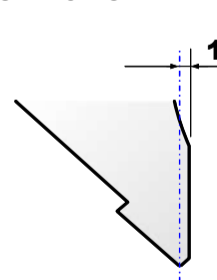
- ※1 Code for B-Sect. of 90° Punch is not assigned.
- ※2 86° R3.0 Gooseneck Punch is stock item.

Name / Tool Profile	Angle	Edge R	Edge Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.			
Standard Punches  <Ear Shape>  HRC47±2	86°	R0.2	9mm	1000 kN/m	904021	17.1	L	A04021			
						10.4	M	A04521			
						4.1	SS	A04722			
						7.6	Sect.	A04821			
						16.4	B-Sect.	S04621			
				450kN/m		2.8	Ears	A04921			
				1000 kN/m		904061	17.1	L	A04061		
							10.4	M	A04561		
							4.1	SS	A04762		
							7.6	Sect.	A04861		
			16.4	B-Sect.	S04661						
		450kN/m	2.8	Ears	A04961						
		1000 kN/m	904081	17.1	L		R04081				
				10.4	M		R04581				
				4.1	SS		R04782				
				7.6	Sect.		R04881				
				16.4	B-Sect.	RS4681					
		450kN/m		2.8	Ears	R04981					
		1000 kN/m		904091	17.1	L	R04091				
					10.4	M	R04591				
	4.1	SS			R04792						
	7.6	Sect.			R04891						
	16.4	B-Sect.	RS4691								
450kN/m	2.8	Ears	R04991								
1000 kN/m	904031	17.1	L		R04031						
		10.4	M		R04531						
		4.1	SS		R04732						
		7.6	Sect.		R04831						
		16.4	B-Sect.	RS4631							
450kN/m		2.8	Ears	R04931							
1000 kN/m		904028	R0.2	9mm	17.1	904028	17.1	L	B04021		
					10.4		M	B04521			
					4.1		SS	B04722			
					7.6		Sect.	B04821			
	16.4				B-Sect.		S0462B				
450kN/m	2.8		Ears		B04921						
1000 kN/m	R0.6		9mm		17.1		904068	17.1	L	B04061	
					10.4			M	B04561		
					4.1			SS	B04762		
					7.6			Sect.	B04861		
		16.4		B-Sect.	S0466B						
450kN/m	2.8	Ears	B04961								

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm) ※L:835mm M:510mm SS:200mm
 ※B-Sectionalized Length (10,15,20,40,50,100,100,165,300 Total 800mm)
 ※Ears Length (Right Ear 100、Left Ear 100 Total 200mm)
 ※ colored catalog # is order-made item.

AFH120 Punches H=120

SK1B

Name / Tool Profile	Angle	Edge R	Edge Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.	
Standard Punches 	88°	R3.0	9mm	1000 kN/m	904032	17.1	L	R0403B	
				10.4		M	R0453B		
				4.1		SS	R0473B		
				7.6		Sect.	R0483B		
				16.4		B-Sect.	RS463B		
	450kN/m				2.8	Ears	R0493B		
	90°	R0.2	9mm	1000 kN/m	916021	17.1	L	A16021	
				10.4		M	A16521		
				4.1		SS	A16722		
				7.6		Sect.	A16821		
450kN/m								2.8	Ears
Standard Punches for Type T  <Relief Profile> 	86°	R0.2	-	800kN/m	902402	17.0	L	T24021	
				10.4		M	T24521		
				4.1		SS	T24722		
				7.5		Sect.	T24821		
				16.3		B-Sect.	TS4621		
	400kN/m				2.8	Ears	T24921		
	86°	R0.6	-	-	800kN/m	902406	17.0	L	T24061
					10.4		M	T24561	
					4.1		SS	T24762	
					7.5		Sect.	T24861	
					16.3		B-Sect.	TS4661	
	400kN/m				2.8	Ears	T24961		
	88°	R0.2	-	-	800kN/m	912402	17.0	L	T2402B
					10.4		M	T2452B	
					4.1		SS	T2472B	
7.5					Sect.		T2482B		
16.3					B-Sect.		TS462B		
400kN/m				2.8	Ears	T2492B			
88°	R0.6	-	-	800kN/m	912406	17.0	L	T2406B	
				10.4		M	T2456B		
				4.1		SS	T2476B		
				7.5		Sect.	T2486B		
				16.3		B-Sect.	TS466B		
400kN/m				2.8	Ears	T2496B			

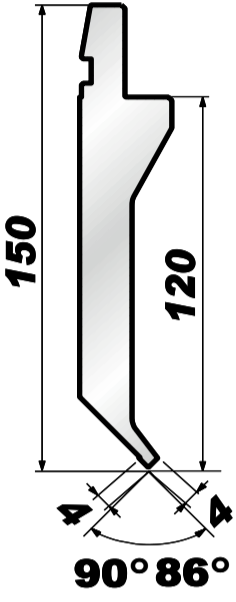
※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm) ※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,100,165,300 Total 800mm)

※Ears Length (Right Ear 100、Left Ear 100 Total 200mm)

※ colored catalog # is order-made item.

※Type T is same profile as Burring No.2.

Name / Tool Profile	Angle	Edge R	Edge Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.			
Standard Punches for Thin Type 	86°	R0.2	4mm	200kN/m	906021	15.0	L	A27021			
						9.2	M	A27521			
						3.6	SS	A27722			
						6.7	Sect.	A27821			
						14.4	B-Sect.	S27621			
				100kN/m			3.2	Ears	A27921		
				200kN/m	906061	R0.6	4mm	15.0	L	A27061	
								9.2	M	A27561	
								3.6	SS	A27762	
								6.7	Sect.	A27861	
	14.4	B-Sect.	S27661								
	100kN/m			3.2	Ears	A27961					
	<Ear Shape>	90°	R0.2	4mm	200kN/m	915021	15.0	L	A26021		
							9.2	M	A26521		
3.6							SS	A26722			
6.7							Sect.	A26821			
100kN/m									3.2	Ears	A26921

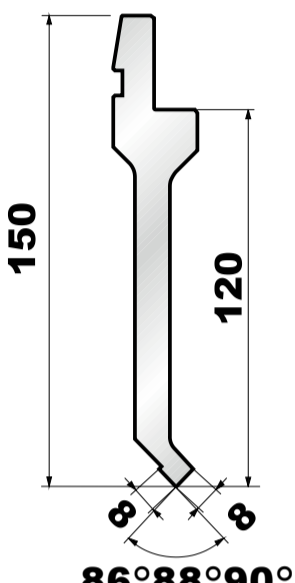
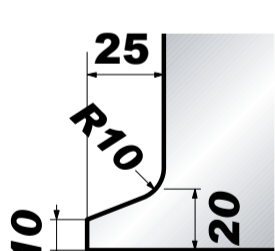
※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

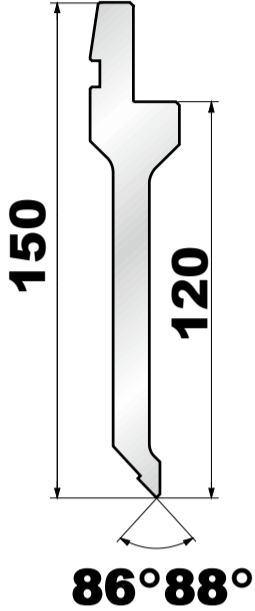
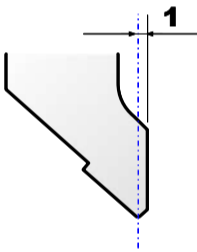
※B-Sectionalized Length (10,15,20,40,50,100,100,165,300 Total 800mm)

※Ears Length (Right Ear 100、Left Ear 100 Total 200mm)

※ colored catalog # is order-made item.

Name / Tool Profile	Angle	Edge R	Edge Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.			
Sash Punches  <Ear Shape>  HRC47±2	86°	R0.2	8mm	450kN/m	923021	12.3	L	A23021			
						7.5	M	A23521			
						2.9	SS	A23722			
						5.5	Sect.	A23821			
						11.8	B-Sect.	S23621			
						2.2	Ears	A23921			
				150kN/m							
				450kN/m	R0.6	925061	12.3	L	A23061		
				7.5		M	A23561				
				2.9		SS	A23762				
				5.5		Sect.	A23861				
				11.8		B-Sect.	S23661				
		2.2	Ears	A23961							
		150kN/m									
		450kN/m	R3.0	923031	12.3	L	R23031				
		7.5		M	R23531						
		2.9		SS	R23732						
		5.5		Sect.	R23831						
		11.8		B-Sect.	RS3631						
		2.2		Ears	R23931						
		150kN/m									
		88°	R0.2	8mm	450kN/m	923028	12.3	L	B23021		
					7.5		M	B23521			
					2.9		SS	B23722			
	5.5				Sect.		B23821				
	11.8				B-Sect.		S2362B				
	2.2				Ears		B23921				
	150kN/m										
			R0.6		923068	12.3	L	B23061			
	7.5				M	B23561					
	2.9				SS	B23762					
	5.5				Sect.	B23861					
	11.8				B-Sect.	S2366B					
	2.2	Ears		B23961							
	150kN/m										
		R3.0	923038	12.3	L	R2303B					
	7.5		M	R2353B							
	2.9		SS	R2373B							
	5.5		Sect.	R2383B							
	11.8		B-Sect.	RS363B							
	2.2		Ears	R2393B							
	150kN/m										
	90°	R0.2	8mm	450kN/m	925021	12.3	L	A25021			
				7.5		M	A25521				
				2.9		SS	A25722				
				5.5		Sect.	A25821				
				2.2		Ears	A25921				
				150kN/m							

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm) ※L:835mm M:510mm SS:200mm
 ※B-Sectionalized Length (10,15,20,40,50,100,100,165,300 Total 800mm)
 ※Ears Length (Right Ear 100、Left Ear 100 Total 200mm)
 ※ colored catalog # is order-made item.

Name / Tool Profile	Angle	Edge R	Edge Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.
Sash Punches for Type T  86° 88° <Relief Profile>  HRC47±2	86°	R0.2	-	450kN/m	924021	12.2	L	T23021
						7.4	M	T23521
						2.9	SS	T23722
				5.5		Sect.	T23821	
				11.7		B-Sect.	TS3621	
				150kN/m		2.2	Ears	T23921
	86°	R0.6	-	450kN/m	924061	12.2	L	T23061
						7.4	M	T23561
						2.9	SS	T23762
				5.5		Sect.	T23861	
				11.7		B-Sect.	TS3661	
				150kN/m		2.2	Ears	T23961
	88°	R0.2	-	450kN/m	924028	12.2	L	T2302B
						7.4	M	T2352B
						2.9	SS	T2372B
				5.5		Sect.	T2382B	
				11.7		B-Sect.	TS362B	
				150kN/m		2.2	Ears	T2392B
88°	R0.6	-	450kN/m	924068	12.2	L	T2306B	
					7.4	M	T2356B	
					2.9	SS	T2376B	
			5.5		Sect.	T2386B		
			11.7		B-Sect.	TS366B		
			150kN/m		2.2	Ears	T2396B	

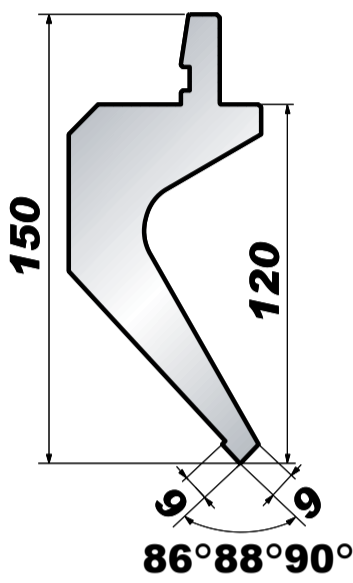
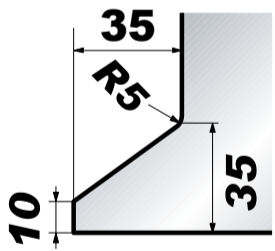
※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm) ※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,100,165,300 Total 800mm)

※Ears Length (Right Ear 100、Left Ear 100 Total 200mm)

※ colored catalog # is order-made item.

※Type T is same profile as Burring No.2.

Name / Tool Profile	Angle	Edge R	Edge Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.	
	86°	R0.2	9mm	500kN/m	947021	25.0	L	A47021	
						15.3	M	A47521	
						6.0	SS	A47722	
						11.1	Sect.	A47821	
						24.0	B-Sect.	S47621	
				4.0	Ears	A47921			
				25.0	L	A47061			
				15.3	M	A47561			
				6.0	SS	A47762			
				11.1	Sect.	A47861			
		24.0	B-Sect.	S47661					
		4.0	Ears	A47961					
		25.0	L	R47081					
		15.3	M	R47581					
		6.0	SS	R47782					
		11.1	Sect.	R47881					
		24.0	B-Sect.	RS7681					
		4.0	Ears	R47981					
		25.0	L	R47091					
		15.3	M	R47591					
6.0	SS	R47792							
11.1	Sect.	R47891							
24.0	B-Sect.	RS7691							
4.0	Ears	R47991							
25.0	L	A47031							
15.3	M	A47531							
6.0	SS	A47732							
11.1	Sect.	A47831							
24.0	B-Sect.	S47631							
4.0	Ears	A47931							
<p><Ear Shape></p>  <p>HRC47±2</p>	88°	R0.2	9mm	500kN/m	947028	25.0	L	B47021	
						15.3	M	B47521	
						6.0	SS	B47722	
						11.1	Sect.	B47821	
						24.0	B-Sect.	S4762B	
		4.0	Ears	B47921					
		25.0	L	B47061					
		15.3	M	B47561					
		6.0	SS	B47762					
		11.1	Sect.	B47861					
24.0	B-Sect.	S4766B							
4.0	Ears	B47961							

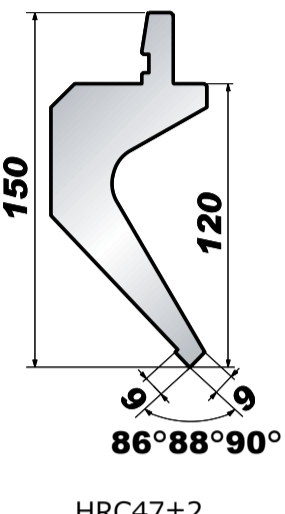
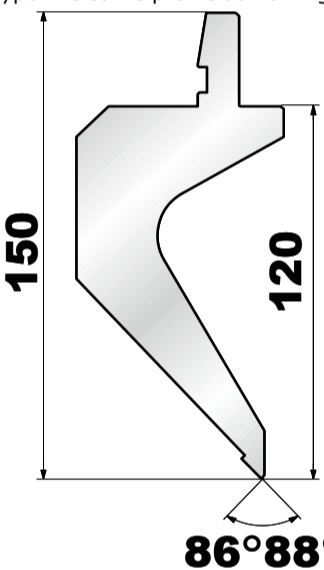
※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

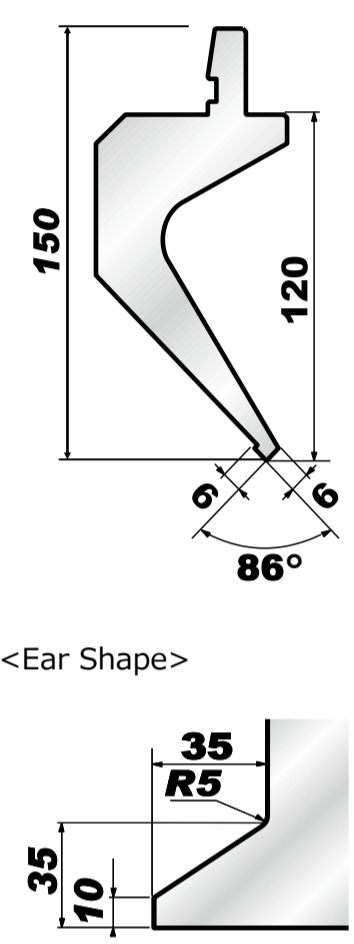
※B-Sectionalized Length (10,15,20,40,50,100,100,165,300 Total 800mm)

※Ears Length (Right Ear 100、Left Ear 100 Total 200mm)

※ colored catalog # is order-made item.

Name / Tool Profile	Angle	Edge R	Edge Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.	
Gooseneck Punches  <p>HRC47±2</p>	88°	R3.0	9mm	500kN/m	947038	25.0	L	R4703B	
						15.3	M	R4753B	
				6.0		SS	R4773B		
				11.1		Sect.	R4783B		
				24.0		B-Sect.	RS763B		
	450kN/m	4.0	Ears	R4793B					
	90°	R0.2	9mm	500kN/m	948021	25.0	L	A48021	
						15.3	M	A48521	
				6.0		SS	A48722		
				11.1		Sect.	A48821		
450kN/m				4.0		Ears	A48921		
Gooseneck Punches for Type T Type T is same profile as Burring No.2  <p>HRC47±2</p>	86°	R0.2	-	500kN/m	947221	24.7	L	T47021	
						15.1	M	T47521	
				5.9		SS	T47722		
				11.0		Sect.	T47821		
		450kN/m	23.7	B-Sect.		TS7621			
		4.0	Ears	T47921					
		R0.6	-	500kN/m		947261	24.7	L	T47061
							15.1	M	T47561
	5.9			SS	T47762				
	11.0			Sect.	T47861				
	450kN/m	23.7	B-Sect.	TS7661					
	4.0	Ears	T47961						
	88°	R0.2	-	500kN/m	947228		24.7	L	T4702B
							15.1	M	T4752B
				5.9		SS	T4772B		
				11.0		Sect.	T4782B		
450kN/m		23.7	B-Sect.	TS762B					
4.0		Ears	T4792B						
R0.6		-	500kN/m	947268		24.7	L	T4706B	
						15.1	M	T4756B	
	5.9		SS		T4776B				
	11.0		Sect.		T4786B				
450kN/m	23.7	B-Sect.	TS766B						
4.0	Ears	T4796B							

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm) ※L:835mm M:510mm SS:200mm
 ※B-Sectionalized Length (10,15,20,40,50,100,100,165,300 Total 800mm)
 ※Ears Length (Right Ear 100, Left Ear 100 Total 200mm)
 ※ colored catalog # is order-made item.

Name / Tool Profile	Angle	Edge R	Edge Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.	
Gooseneck Punches for Thin Type  <Ear Shape> HRC47±2	86°	R0.2	6mm	350kN/m	953021	23.3	L	A46021	
						14.3	M	A46521	
						5.6	SS	A46722	
						10.3	Sect.	A46821	
						22.4	B-Sect.	S46621	
		3.7		Ears	A46921				
		R0.6		350kN/m	953061	23.3	L	A46061	
						14.3	M	A46561	
						5.6	SS	A46762	
						10.3	Sect.	A46861	
22.4	B-Sect.		S46661						
3.7	Ears	A46961							

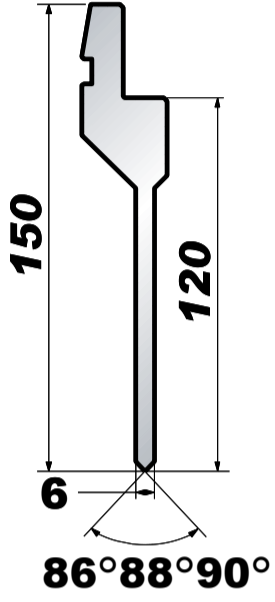
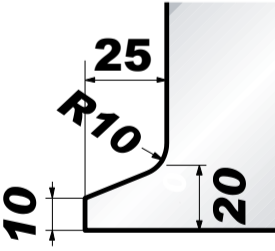
※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,100,165,300 Total 800mm)

※Ears Length (Right Ear 100、Left Ear 100 Total 200mm)

※ colored catalog # is order-made item.

Name / Tool Profile	Angle	Edge R	Edge Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.
Straight Punches  <Ear Shape>  HRC47±2	86°	R0.2	-	450kN/m	919021	9.9	L	A19021
						6.0	M	A19521
						2.4	SS	A19722
						4.4	Sect.	A19821
						9.4	B-Sect.	S19621
						1.8	Ears	A19921
		120kN/m						
		450kN/m		919061	9.9	L	A19061	
					6.0	M	A19561	
					2.4	SS	A19762	
					4.4	Sect.	A19861	
					9.4	B-Sect.	S19661	
	1.8		Ears		A19961			
	120kN/m							
	450kN/m	919031	R3.0	9.9	L	R19031		
				6.0	M	R19531		
				2.4	SS	R19732		
				4.4	Sect.	R19831		
				9.4	B-Sect.	RS9631		
				1.8	Ears	R19931		
	120kN/m							
	88°	R0.2	-	450kN/m	919028	9.9	L	B19021
						6.0	M	B19521
						2.4	SS	B19722
4.4						Sect.	B19821	
9.4						B-Sect.	S1962B	
1.8						Ears	B19921	
120kN/m								
450kN/m		919068		9.9	L	B19061		
				6.0	M	B19561		
				2.4	SS	B19762		
				4.4	Sect.	B19861		
				9.4	B-Sect.	S1966B		
	1.8		Ears	B19961				
120kN/m								
450kN/m	919038	R3.0	9.9	L	R1903B			
			6.0	M	R1953B			
			2.4	SS	R1973B			
			4.4	Sect.	R1983B			
			9.4	B-Sect.	RS963B			
			1.8	Ears	R1993B			
120kN/m								
90°	R0.2	-	450kN/m	918021	9.9	L	A18021	
					6.0	M	A18521	
					2.4	SS	A18722	
					4.4	Sect.	A18821	
					1.8	Ears	A18921	
					120kN/m			

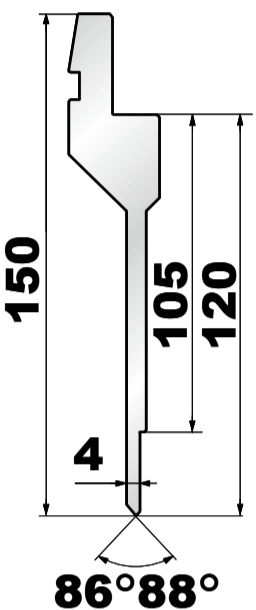

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,100,165,300 Total 800mm)

※Ears Length (Right Ear 100、Left Ear 100 Total 200mm)

※ colored catalog # is order-made item.

Name / Tool Profile	Angle	Edge R	Edge Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.	
Straight Punches For Type T  <Ear Shape>  HRC47±2	86°	R0.2	-	400kN/m	912021	9.7	L	T12021	
						5.9	M	T12521	
						2.3	SS	T12722	
				4.3		Sect.	T12821		
				9.3		B-Sect.	T1S621		
				1.8		Ears	T12921		
		120kN/m	R0.6	-	400kN/m	912061	9.7	L	T12061
							5.9	M	T12561
							2.3	SS	T12762
					4.3		Sect.	T12861	
					9.3		B-Sect.	T1S661	
					1.8		Ears	T12961	
	120kN/m	88°	R0.2	-	400kN/m	912028	9.7	L	T1202B
							5.9	M	T1252B
							2.3	SS	T1272B
					4.3		Sect.	T1282B	
					9.3		B-Sect.	T1S62B	
					1.8		Ears	T1292B	
120kN/m	88°	R0.6	-	400kN/m	912068	9.7	L	T1206B	
						5.9	M	T1256B	
						2.3	SS	T1276B	
				4.3		Sect.	T1286B		
				9.3		B-Sect.	T1S66B		
				1.8		Ears	T1296B		

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm) ※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,100,165,300 Total 800mm)

※Ears Length (Right Ear 100, Left Ear 100 Total 200mm)

※ colored catalog # is order-made item.

※Type T is same profile as Burring No.2.

Name / Tool Profile	Angle	Edge R	Edge Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.
Acute Punches HRC60±2	30°	R0.2	-	450kN/m	913021	9.7	L	A13021
						5.9	M	A13521
						2.3	SS	A13722
						4.3	Sect.	A13821
						9.3	B-Sect.	S13621
		120kN/m	1.8	Ears	A13921			
		450kN/m	913061	R0.6	-	9.7	L	A13061
						5.9	M	A13561
						2.3	SS	A13762
						4.3	Sect.	A13861
9.3	B-Sect.					S13661		
120kN/m	1.8	Ears	A13961					
Hemming Punches HRC47±2	30°	R0.6	-	1000 kN/m	930061	14.7	L	A30061
						9.0	M	A30561
						3.5	SS	A30762
						6.5	Sect.	A30861
						14.1	B-Sect.	S30661
				300kN/m	2.8	Ears	A30961	

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm) ※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,100,165,300 Total 800mm)

※Ears Length (Right Ear 100、Left Ear 100 Total 200mm)

※ colored catalog # is order-made item.

Name / Tool Profile	Angle	Edge R	Edge Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.
Hemming Punches 	30°	R0.6	-	1000	930062	14.5	L	T30061
						8.5	M	T30561
						3.0	SS	T30762
						6.0	Sect.	T30861
						13.9	B-Sect.	T30661
				2.5		Ears	T30961	
				150				

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

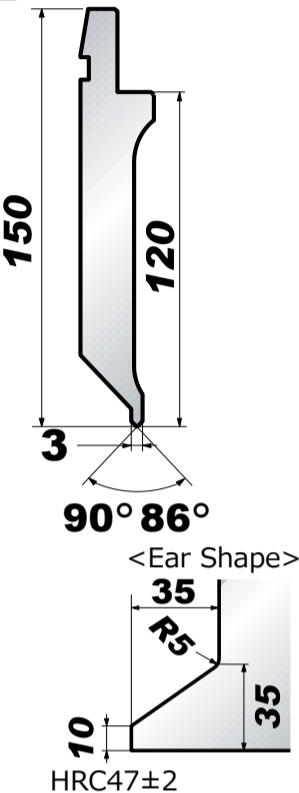
※B-Sectionalized Length (10,15,20,40,50,100,100,165,300 Total 800mm)

※Ears Length (Right Ear 100, Left Ear 100 Total 200mm)

※ colored catalog # is order-made item.

AFH120 Punches H=120

SK1B

Name / Tool Profile	Angle	Edge R	Edge Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.			
Burring Punches No.1 	86°	R0.2	-	400kN/m	905021	16.6	L	A05021			
						10.2	M	A05521			
						4.0	SS	A05722			
						7.4	Sect.	A05821			
						16.0	B-Sect.	S05621			
				200kN/m	2.7	Ears	A05921				
				400kN/m	905061	R0.6	-	200kN/m	16.6	L	A05061
									10.2	M	A05561
									4.0	SS	A05762
									7.4	Sect.	A05861
	16.0	B-Sect.	S05661								
	200kN/m	2.7	Ears	A05961							
	90°	R0.2	-	-	400kN/m	917021	16.6	L	A17021		
							10.2	M	A17521		
4.0							SS	A17722			
7.4							Sect.	A17821			
200kN/m							2.7	Ears	A17921		

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

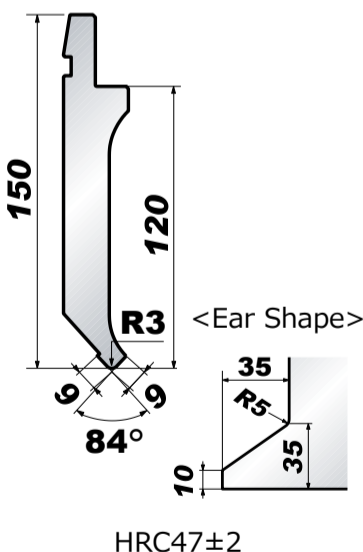
※B-Sectionalized Length (10,15,20,40,50,100,100,165,300 Total 800mm)

※Ears Length (Right Ear 100, Left Ear 100 Total 200mm)

※ colored catalog # is order-made item.

Heavy Duty Punches H=120

SK1B

Name / Tool Profile	Angle	Edge R	Edge Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.
Standard for Heavy Duty Punches 	84°	R3.0	9mm	1000 kN/m	998008	17.1	L	A06031
						10.5	M	A06531
						4.1	SS	A06732
						7.6	Sect.	A06831
				450kN/m	2.8	Ears	A06931	

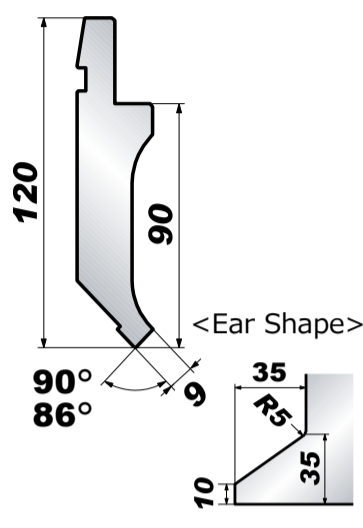
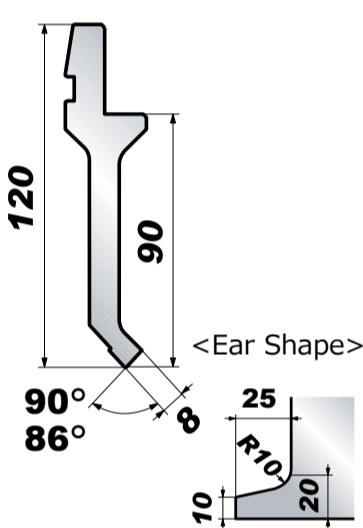
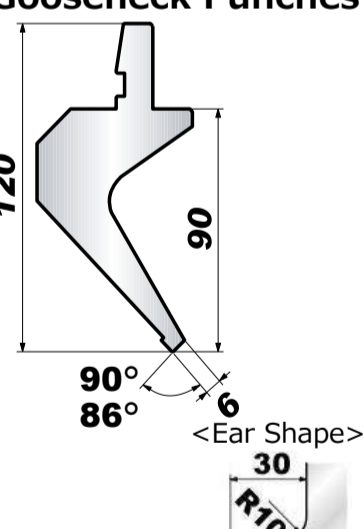
※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

※Ears Length (Right Ear 100, Left Ear 100 Total 200mm)

AFH90 Punches H=90

SK11(NON-ID)

Name / Tool Profile	Angle	Edge R	Edge Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.
Standard Punches 	86°	R0.2	9mm	1000 kN/m	994521	8.1	M	A94521
				450kN/m		3.2	SS	A94722
				450kN/m		5.9	Sect.	A94821
		1000 kN/m		994591	8.1	M	A94561	
		450kN/m			3.2	SS	A94762	
		450kN/m			5.9	Sect.	A94861	
	90°	R0.2	9mm	1000 kN/m	996521	8.1	M	A96521
				450kN/m		3.2	SS	A96722
				450kN/m		5.9	Sect.	A96821
		1000 kN/m		991521	8.1	M	A96521	
		450kN/m			3.2	SS	A96722	
		450kN/m			5.9	Sect.	A96821	
Sash Punches 	86°	R0.2	8mm	300kN/m	992521	5.5	M	A92521
				150kN/m		2.1	SS	A92722
				150kN/m		4.0	Sect.	A92821
		300kN/m		992561	5.5	M	A92561	
		150kN/m			2.1	SS	A92762	
		150kN/m			4.0	Sect.	A92861	
	90°	R0.2	8mm	300kN/m	991521	5.5	M	A91521
				150kN/m		2.1	SS	A91722
				150kN/m		4.0	Sect.	A91821
		300kN/m		993521	10.0	M	A93521	
		150kN/m			3.9	SS	A93722	
		150kN/m			7.3	Sect.	A93821	
Gooseneck Punches 	86°	R0.2	6mm	550kN/m	993521	10.0	M	A93521
				300kN/m		3.9	SS	A93722
				300kN/m		7.3	Sect.	A93821
		550kN/m		993561	10.0	M	A93561	
		300kN/m			3.9	SS	A93762	
		300kN/m			7.3	Sect.	A93861	
	90°	R0.2	6mm	550kN/m	995521	10.0	M	A95521
				300kN/m		3.9	SS	A95722
				300kN/m		7.3	Sect.	A95821
		550kN/m		995521	10.0	M	A95521	
		300kN/m			3.9	SS	A95722	
		300kN/m			7.3	Sect.	A95821	

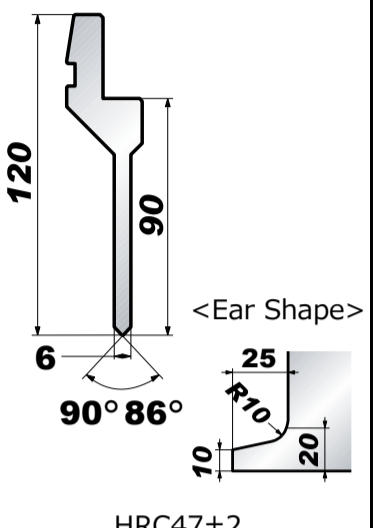
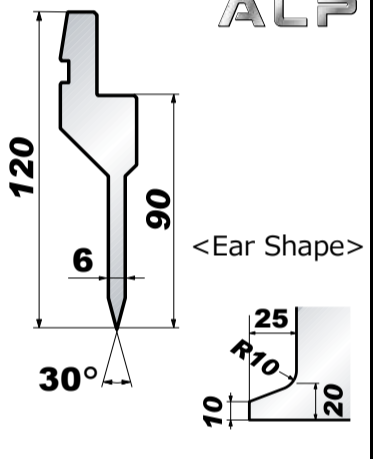
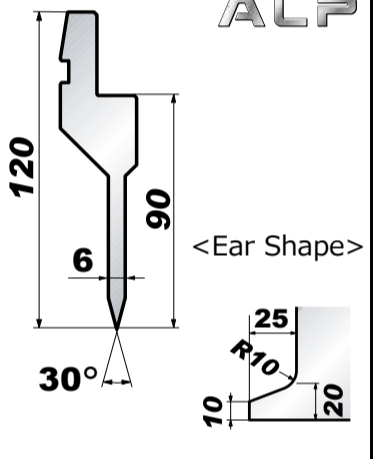
※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※ M:510mm SS:200mm

※Ears Length (Right Ear 100, Left Ear 100 Total 200mm)

AFH90 Punches H=90

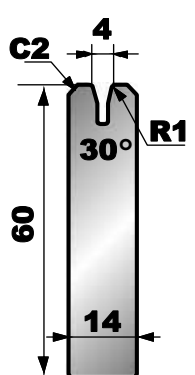
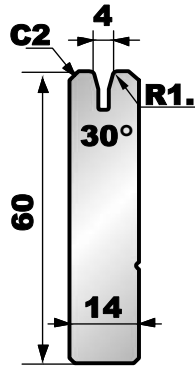
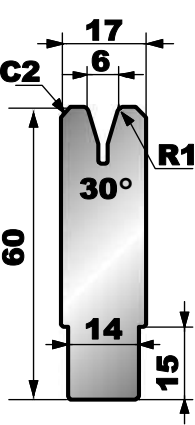
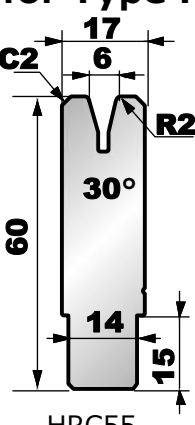
SK11(NON-ID)

Name / Tool Profile	Angle	Edge R	Edge Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.		
Straight Punches  <p>HRC47±2</p>	86°	R0.2	-	500kN/m	999560	4.6	M	A99521		
						1.8	SS	A99722		
				3.3		Sect.	A99821			
		120kN/m		1.4		Ears	A99921			
				500kN/m		R0.6	4.6	M	A99561	
							1.8	SS	A99762	
	3.3	Sect.	A99861							
	Acute Punches  <p>HRC60±2</p>	90°	R0.2	-	500kN/m	998521	4.6	M	A98521	
							1.8	SS	A98722	
					3.3		Sect.	A98821		
			120kN/m		1.4		Ears	A98921		
					500kN/m		R0.2	990521	4.5	M
1.8									SS	A90722
3.3	Sect.	A90821								
Acute Punches  <p>HRC60±2</p>	30°	R0.2	-	120kN/m	990521	1.3	Ears	A90921		
						500kN/m	R0.6	990531	4.5	M
		1.8		SS					A90762	
		3.3		Sect.		A90861				
120kN/m	1.3	Ears	A90961							

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※ M:510mm SS:200mm

※Ears Length (Right Ear 100、Left Ear 100 Total 200mm)

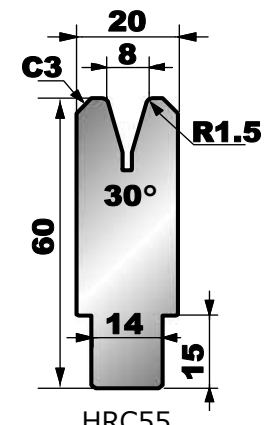
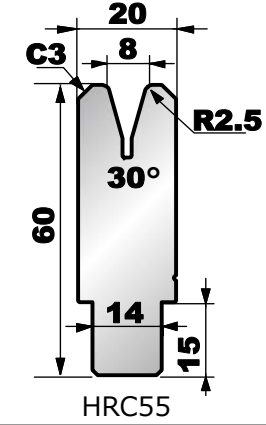
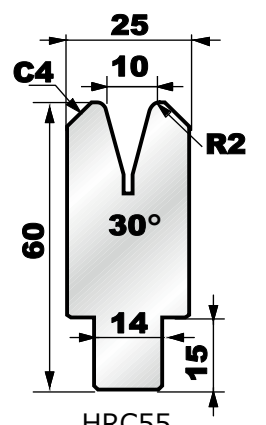
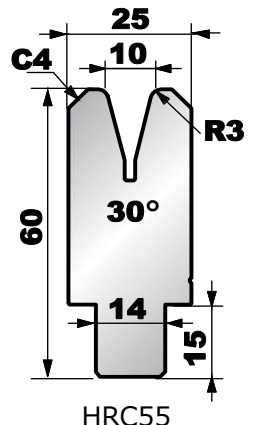
Name / Tool Profile	Angle	Shoulder R	W Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.	
V=4  HRC55	30°	R1	14	160kN/m	984031	5.3	L	A84031	
						3.2	M	A84531	
						1.3	SS	A84732	
						2.3	Sect.	A84831	
						5.0	B-Sect.	S84631	
V=4 for Type R  HRC55	30°	R1.5	14	160kN/m	984032	5.3	L	R84031	
						3.2	M	R84531	
						1.3	SS	R84732	
						2.3	Sect.	R84831	
						5.0	B-Sect.	R8S631	
V=6  HRC55	30°	R1	17	180kN/m	970031	6.1	L	A70031	
						3.7	M	A70531	
						1.5	SS	A70732	
						2.7	Sect.	A70831	
						5.8	B-Sect.	S70631	
V=6 for Type R  HRC55	30°	R2	17	180kN/m	970032	6.1	L	R70031	
						3.7	M	R70531	
						1.5	SS	R70732	
						2.7	Sect.	R70831	
						5.8	B-Sect.	R7063S	

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,200,365 Total 800mm)

※ colored catalog # is order-made item.

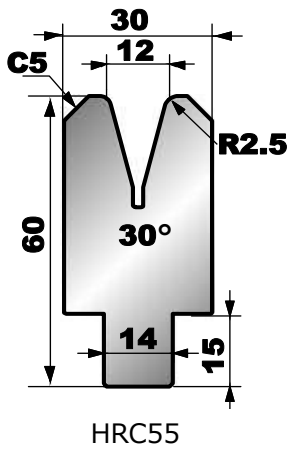
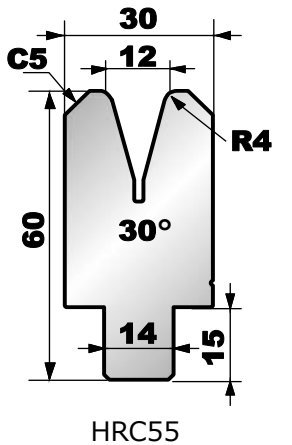
Name / Tool Profile	Angle	Shoulder R	W Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.	
V=8 	30°	R1.5	20	200kN/m	971031	6.8	L	A71031	
						4.1	M	A71531	
						1.6	SS	A71732	
						3.0	Sect.	A71831	
						6.4	B-Sect.	S71631	
V=8 for Type R 	30°	R2.5	20	200kN/m	971032	6.8	L	R71031	
						4.1	M	R71531	
						1.6	SS	R71732	
						3.0	Sect.	R71831	
						6.4	B-Sect.	RS1631	
V=10 	30°	R2	25	260kN/m	972031	8.0	L	A72031	
						4.9	M	A72531	
						1.9	SS	A72732	
						3.6	Sect.	A72831	
						7.7	B-Sect.	S72631	
V=10 for Type R 	30°	R3	25	260kN/m	972032	8.0	L	R72031	
						4.9	M	R72531	
						1.9	SS	R72732	
						3.6	Sect.	R72831	
						7.7	B-Sect.	RS2631	

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,200,365 Total 800mm)

※ colored catalog # is order-made item.

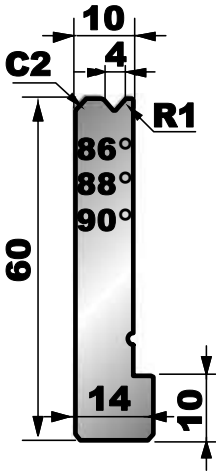
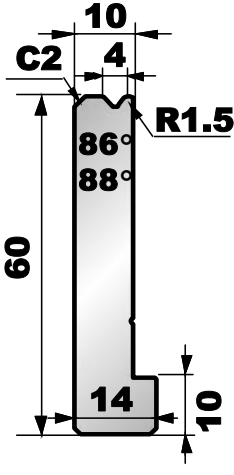
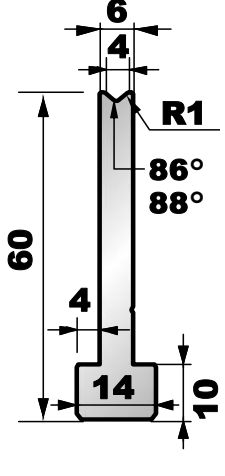
Name / Tool Profile	Angle	Shoulder R	W Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.	
V=12  HRC55	30°	R2.5	30	300kN/m	974031	9.1	L	A74031	
						5.6	M	A74531	
						2.2	SS	A74732	
						4.0	Sect.	A74831	
						8.8	B-Sect.	S74631	
V=12 for Type R  HRC55	30°	R4	30	300kN/m	974032	9.1	L	R74031	
						5.6	M	R74531	
						2.2	SS	R74732	
						4.0	Sect.	R74831	
						8.8	B-Sect.	R7S631	

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,200,365 Total 800mm)

※ colored catalog # is order-made item.

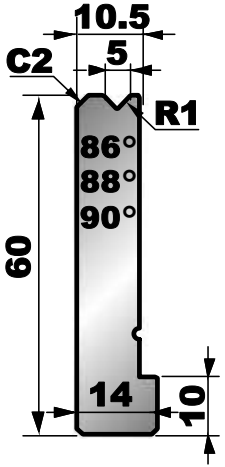
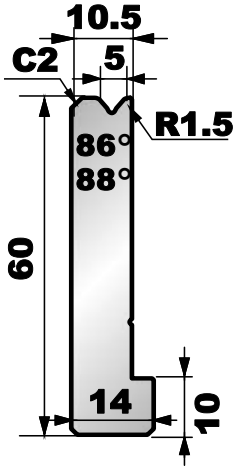
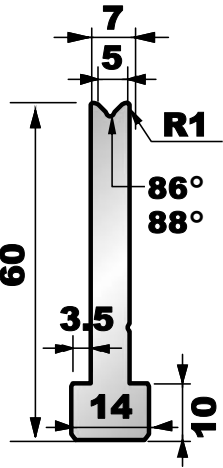
Name / Tool Profile	Angle	Shoulder R	W Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.					
V=4  HRC55	86°	R1	10	750kN/m	984062	4.1	L	A84061					
	88°					2.5	M	A84561					
						1.0	SS	A84762					
						1.8	Sect.	A84861					
						3.9	B-Sect.	S84661					
					4.1	L	A84081						
	998408				2.5	M	A84581						
					1.0	SS	A84782						
					1.8	Sect.	A84881						
					3.9	B-Sect.	S84681						
					4.1	L	A84091						
	984092				2.5	M	A84591						
					1.0	SS	A84792						
					1.8	Sect.	A84891						
					984063	4.1	L	R84061					
V=4 for Type R  HRC55	86°	R1.5	6	750kN/m	984063	2.5	M	R84561					
	88°					1.0	SS	R84762					
						1.8	Sect.	R84861					
						3.9	B-Sect.	RS4661					
						4.1	L	R84081					
					2.5	M	R84581						
	998409				1.0	SS	R84782						
					1.8	Sect.	R84881						
					3.9	B-Sect.	R8S681						
					984064	2.8	L	T84061					
					V=4 for Type T  HRC55	86°	R1	6	750kN/m	984064	1.7	M	T84561
	88°					0.7					SS	T84762	
						1.2					Sect.	T84861	
						2.7					B-Sect.	T8S661	
						2.8					L	T84081	
1.7		M	T84581										
998410	0.7	SS	T84782										
	1.2	Sect.	T84881										
	2.7	B-Sect.	TS4681										

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,200,365 Total 800mm)

※ colored catalog # is order-made item.

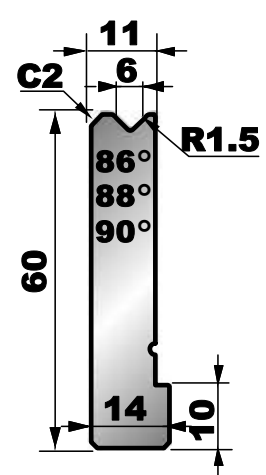
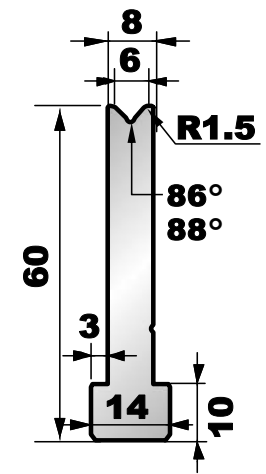
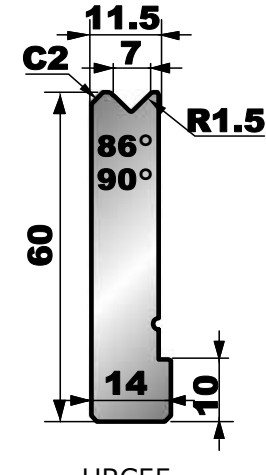
Name / Tool Profile	Angle	Shoulder R	W Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.					
V=5  HRC55	86°	R1	10.5	750kN/m	985062	4.3	L	A85061					
	88°					2.6	M	A85561					
						1.0	SS	A85762					
						1.9	Sect.	A85861					
						4.1	B-Sect.	S85661					
	998508				4.3	L	A85081						
					2.6	M	A85581						
					1.0	SS	A85782						
					1.9	Sect.	A85881						
	4.1				B-Sect.	S85681							
	985092				90°				985092	4.3	L	A85091	
					88°	2.6	M	A85591					
1.0		SS	A85792										
1.9		Sect.	A85891										
V=5 for Type R  HRC55	86°	R1.5	7	750kN/m	985063	4.3	L	R85061					
	88°					2.6	M	R85561					
						1.0	SS	R85762					
						1.9	Sect.	R85861					
						4.1	B-Sect.	RS5661					
	998509				4.3	L	R85081						
					2.6	M	R85581						
					1.0	SS	R85782						
					1.9	Sect.	R85881						
	4.1				B-Sect.	RS5681							
	V=5 for Type T  HRC55				86°	R1	7	750kN/m	985064	3.1	L	T85061	
					88°					1.9	M	T85561	
0.8		SS	T85762										
1.4		Sect.	T85861										
3.0		B-Sect.	TS5661										
998510		3.1	L	T85081									
		1.9	M	T85581									
		0.8	SS	T85782									
		1.4	Sect.	T85881									
		3.0	B-Sect.	TS5681									

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,200,365 Total 800mm)

※ colored catalog # is order-made item.

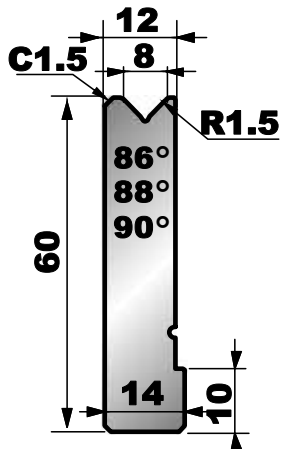
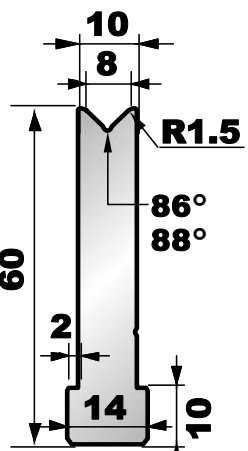
Name / Tool Profile	Angle	Shoulder R	W Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.	
V=6  HRC55	86°	R1.5	11	800kN/m	970062	4.4	L	A70061	
						2.7	M	A70561	
						1.1	SS	A70762	
						1.9	Sect.	A70861	
						4.2	B-Sect.	S70661	
	88°	R1.5	11		997008	4.4	L	A70081	
						2.7	M	A70581	
						1.1	SS	A70782	
						1.9	Sect.	A70881	
						4.2	B-Sect.	S70681	
	90°	R1.5	11		970092	4.4	L	A70091	
						2.7	M	A70591	
1.1				SS		A70792			
1.9				Sect.		A70891			
V=6 for Type T  HRC55	86°	R1.5	8	800kN/m	970063	3.4	L	T70061	
						2.1	M	T70561	
						0.8	SS	T70762	
						1.5	Sect.	T70861	
						3.3	B-Sect.	TS0661	
	88°	R1.5	8		997009	3.4	L	T70081	
						2.1	M	T70581	
						0.8	SS	T70782	
						1.5	Sect.	T70881	
						3.3	B-Sect.	TS0681	
V=7  HRC55	86°	R1.5	11.5	850kN/m	986062	4.6	L	A86061	
						2.8	M	A86561	
						1.1	SS	A86762	
						2.0	Sect.	A86861	
	90°	R1.5	11.5		986092	4.6	L	A86091	
						2.8	M	A86591	
						1.1	SS	A86792	
						2.0	Sect.	A86891	

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,200,365 Total 800mm)

※ colored catalog # is order-made item.

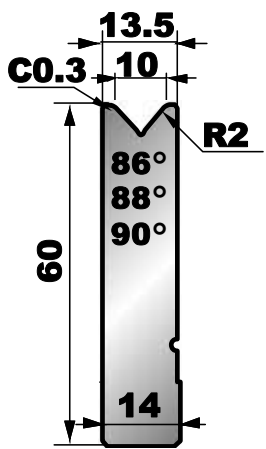
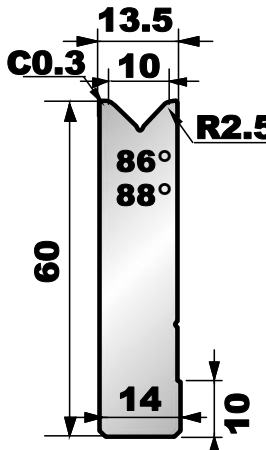
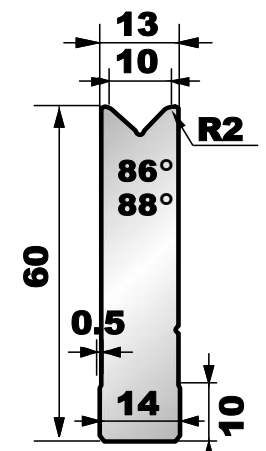
Name / Tool Profile	Angle	Shoulder R	W Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.	
V=8  HRC55	86°	R1.5	12	900kN/m	971062	4.7	L	A71061	
						2.9	M	A71561	
						1.1	SS	A71762	
						2.1	Sect.	A71861	
						4.6	B-Sect.	S71661	
	88°	R1.5	12		997108	4.7	L	A71081	
						2.9	M	A71581	
						1.1	SS	A71782	
						2.1	Sect.	A71881	
						4.6	B-Sect.	S71681	
	90°	R1.5	12		971092	4.7	L	A71091	
						2.9	M	A71591	
1.1				SS		A71792			
2.1				Sect.		A71891			
V=8 for Type T  HRC55	86°	R1.5	10	900kN/m	971063	4.1	L	T71061	
						2.5	M	T71561	
						1.0	SS	T71762	
						1.8	Sect.	T71861	
						3.9	B-Sect.	TS1661	
	88°	R1.5	10		997109	4.1	L	T71081	
						2.5	M	T71581	
						1.0	SS	T71782	
						1.8	Sect.	T71881	
						3.9	B-Sect.	TS1681	

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,200,365 Total 800mm)

※ colored catalog # is order-made item.

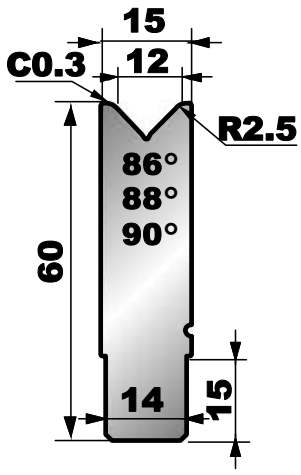
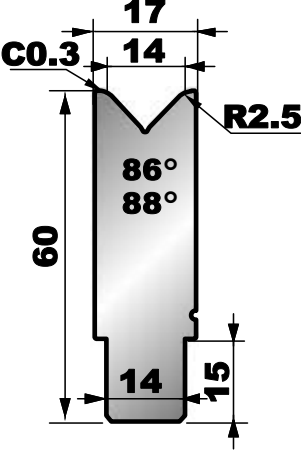
Name / Tool Profile	Angle	Shoulder R	W Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.					
V=10  HRC55	86°	R2	13.5	1000 kN/m	972062	5.1	L	A72061					
	88°					3.1	M	A72561					
						1.2	SS	A72762					
						2.3	Sect.	A72861					
						4.9	B-Sect.	S72661					
	997208				5.1	L	A72081						
					3.1	M	A72581						
					1.2	SS	A72782						
					2.3	Sect.	A72881						
					4.9	B-Sect.	S72681						
	972092				90°				972092	5.1	L	A72091	
						3.1	M	A72591					
		1.2	SS	A72792									
		2.3	Sect.	A72891									
V=10 for Type R  HRC55	86°	R2.5	13	1000 kN/m	972063	5.1	L	R72061					
	88°					3.1	M	R72561					
						1.2	SS	R72762					
						2.3	Sect.	R72861					
						4.9	B-Sect.	R7S661					
	997209				5.1	L	R72081						
					3.1	M	R72581						
					1.2	SS	R72782						
					2.3	Sect.	R72881						
					4.9	B-Sect.	R7S681						
	V=10 for Type T  HRC55				86°	R2	13	1000 kN/m	972064	4.9	L	T72061	
					88°					3.0	M	T72561	
1.2		SS	T72762										
2.2		Sect.	T72861										
4.7		B-Sect.	T7S661										
997210		4.9	L	T72081									
		3.0	M	T72581									
		1.2	SS	T72782									
		2.2	Sect.	T72881									
		4.7	B-Sect.	T7S681									

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,200,365 Total 800mm)

※ colored catalog # is order-made item.

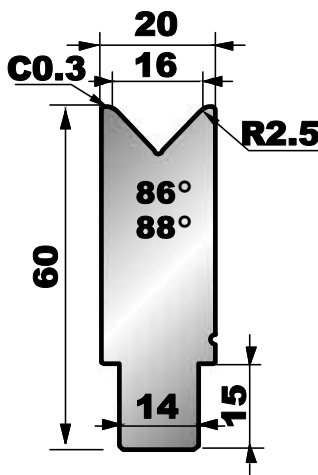
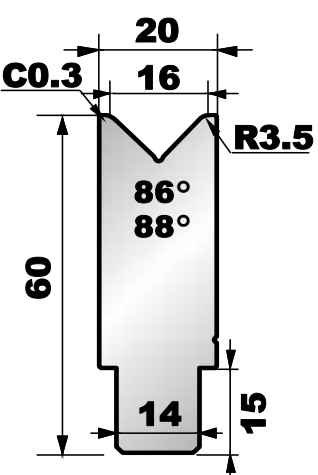
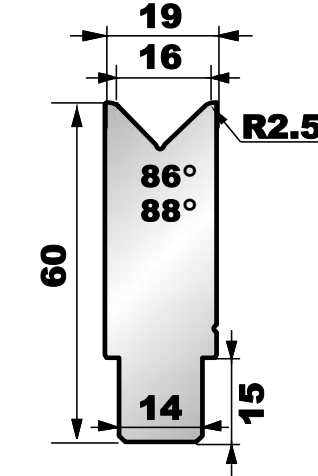
Name / Tool Profile	Angle	Shoulder R	W Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.	
V=12  HRC55	86°	R2.5	15	1000 kN/m	974062	5.5	L	A74061	
						3.4	M	A74561	
						1.3	SS	A74762	
						2.4	Sect.	A74861	
						5.3	B-Sect.	S74661	
	88°				997408	5.5	L	A74081	
						3.4	M	A74581	
						1.3	SS	A74782	
						2.4	Sect.	A74881	
						5.3	B-Sect.	S74681	
	90°	974092	5.5	L	A74091				
			3.4	M	A74591				
1.3			SS	A74792					
2.4			Sect.	A74891					
V=14  HRC55	86°	R2.5	17	1000 kN/m	976062	6.0	L	A76061	
						3.7	M	A76561	
						1.4	SS	A76762	
						2.7	Sect.	A76861	
						5.8	B-Sect.	S76661	
	88°				997608	6.0	L	A76081	
						3.7	M	A76581	
						1.4	SS	A76782	
						2.7	Sect.	A76881	
						5.8	B-Sect.	S76681	

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,200,365 Total 800mm)

※ colored catalog # is order-made item.

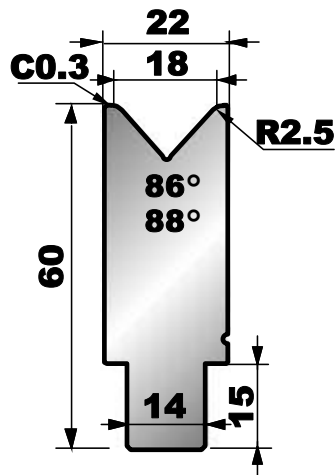
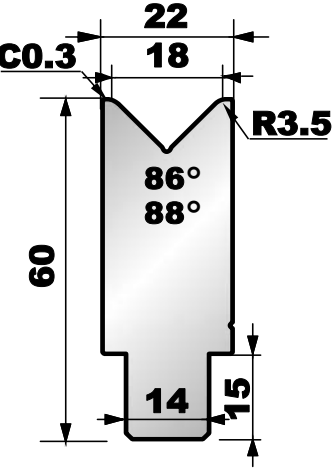
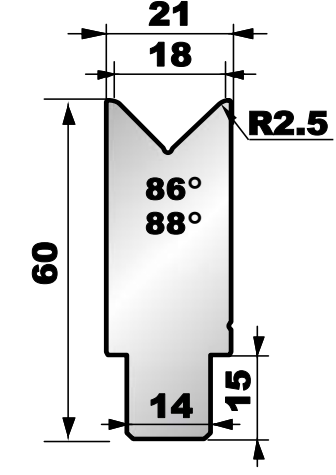
Name / Tool Profile	Angle	Shoulder R	W Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.			
V=16  HRC55	86°	R2.5	20	1000 kN/m	977061	6.8	L	A77061			
						4.1	M	A77561			
						1.6	SS	A77762			
						3.0	Sect.	A77861			
						6.4	B-Sect.	S77661			
		88°					977068	6.8	L	A77081	
							4.1	M	A77581		
							1.6	SS	A77782		
							3.0	Sect.	A77881		
							6.4	B-Sect.	S77681		
V=16 for Type R  HRC55	86°	R3.5			977062	6.8	L	R77061			
			4.1	M		R77561					
			1.6	SS		R77762					
			3.0	Sect.		R77861					
			6.4	B-Sect.		RS7661					
		88°		977069		6.8	L	R77081			
				4.1		M	R77581				
				1.6		SS	R77782				
				3.0		Sect.	R77881				
				6.4		B-Sect.	R7768S				
V=16 for Type T  HRC55	86°	R2.5	19	1000 kN/m	977063	6.5	L	T77061			
						4.0	M	T77561			
						1.5	SS	T77762			
						2.9	Sect.	T77861			
						6.2	B-Sect.	T7766S			
		88°					977070	6.5	L	T77081	
							4.0	M	T77581		
							1.5	SS	T77782		
							2.9	Sect.	T77881		
							6.2	B-Sect.	TS7681		

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,200,365 Total 800mm)

※ colored catalog # is order-made item.

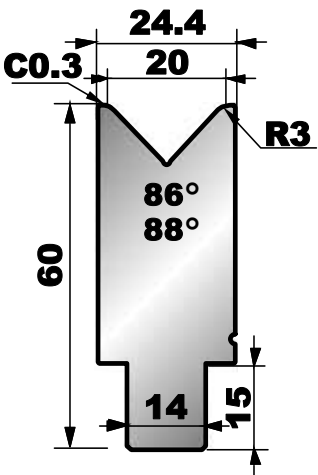
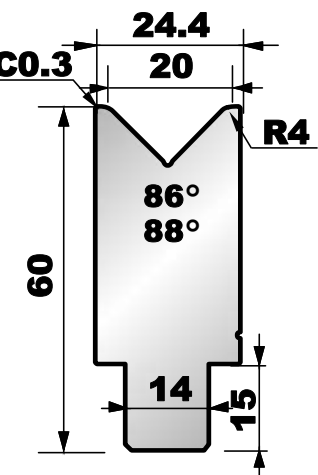
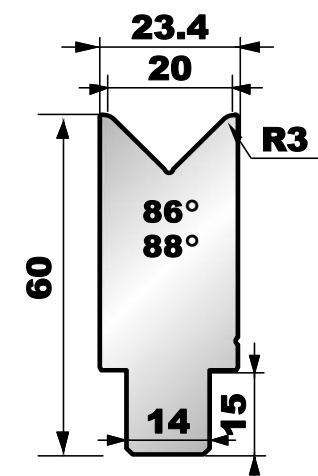
Name / Tool Profile	Angle	Shoulder R	W Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.			
V=18  HRC55	86°	R2.5	22	1000 kN/m	978061	7.3	L	A78061			
						4.4	M	A78561			
						1.7	SS	A78762			
						3.2	Sect.	A78861			
						6.9	B-Sect.	S78661			
		88°					978068	7.3	L	A78081	
							4.4	M	A78581		
							1.7	SS	A78782		
							3.2	Sect.	A78881		
							6.9	B-Sect.	S78681		
V=18 for Type R  HRC55	86°	R3.5			978062	7.3	L	R78061			
			4.4	M		R78561					
			1.7	SS		R78762					
			3.2	Sect.		R78861					
			6.9	B-Sect.		RS8661					
		88°		978069		7.3	L	R78081			
				4.4		M	R78581				
				1.7		SS	R78782				
				3.2		Sect.	R78881				
				6.9		B-Sect.	RS8681				
V=18 for Type T  HRC55	86°	R2.5	21	1000 kN/m	978063	7.0	L	T78061			
						4.3	M	T78561			
						1.7	SS	T78762			
						3.1	Sect.	T78861			
						6.7	B-Sect.	TS8661			
		88°					978070	7.0	L	T78081	
							4.3	M	T78581		
							1.7	SS	T78782		
							3.1	Sect.	T78881		
							6.7	B-Sect.	TS8681		

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,200,365 Total 800mm)

※ colored catalog # is order-made item.

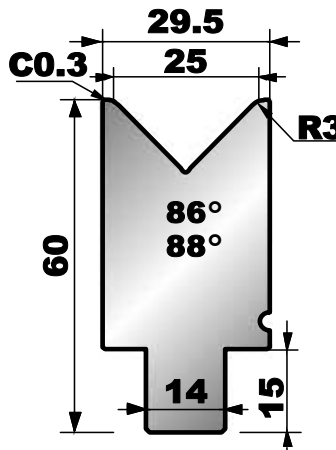
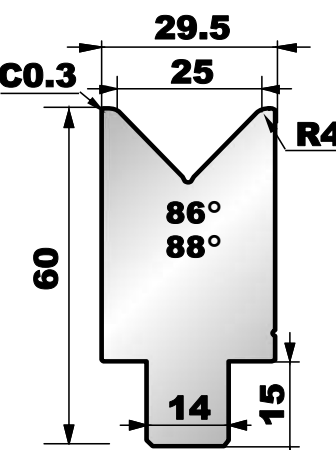
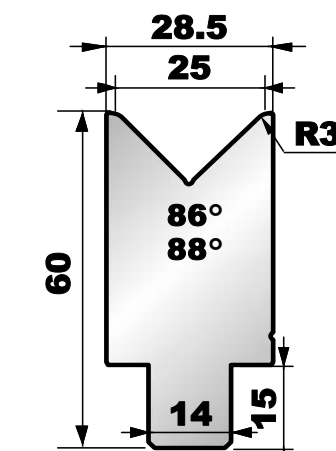
Name / Tool Profile	Angle	Shoulder R	W Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.					
V=20  HRC55	86°	R3	24.4	1000 kN/m	979061	7.8	L	A79061					
						4.8	M	A79561					
						1.9	SS	A79762					
						3.5	Sect.	A79861					
						7.5	B-Sect.	S79661					
		88°							979068	7.8	L	A79081	
										4.8	M	A79581	
										1.9	SS	A79782	
										3.5	Sect.	A79881	
										7.5	B-Sect.	S79681	
V=20 for Type R  HRC55	86°	R4			979062	7.8	L	R79061					
			4.8	M		R79561							
			1.9	SS		R79762							
			3.5	Sect.		R79861							
			7.5	B-Sect.		RS9661							
		88°					979069	7.8	L	R79081			
								4.8	M	R79581			
								1.9	SS	R79782			
								3.5	Sect.	R79881			
								7.5	B-Sect.	RS9681			
V=20 for Type T  HRC55	86°	R3	23.4	1000 kN/m	979063	7.5	L	T79061					
						4.6	M	T79561					
						1.8	SS	T79762					
						3.3	Sect.	T79861					
						7.2	B-Sect.	TS9661					
		88°							979070	7.5	L	T79081	
										4.6	M	T79581	
										1.8	SS	T79782	
										3.3	Sect.	T79881	
										7.2	B-Sect.	TS9681	

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,200,365 Total 800mm)

※ colored catalog # is order-made item.

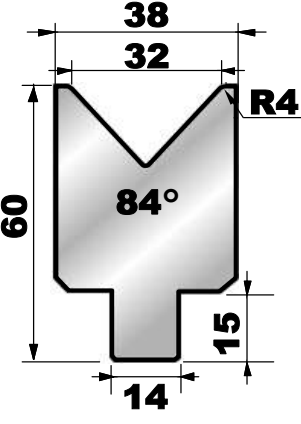
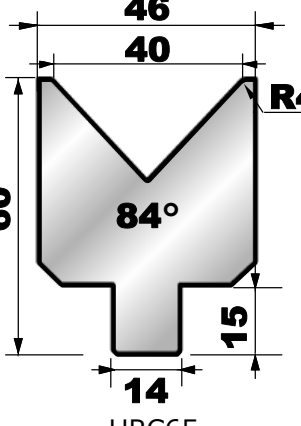
Name / Tool Profile	Angle	Shoulder R	W Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.	
V=25  HRC55	86°	R3	29.5	1000 kN/m	982061	8.9	L	A82061	
	88°					5.5	M	A82561	
						2.1	SS	A82762	
						3.9	Sect.	A82861	
						8.6	B-Sect.	S82661	
		8.9				L	A82081		
	88°	5.5				M	A82581		
		2.1				SS	A82782		
		3.9				Sect.	A82881		
		8.6				B-Sect.	S82681		
V=25 for Type R  HRC55		86°	R4	28.5	1000 kN/m	982062	8.9	L	R82061
	88°	5.5					M	R82561	
		2.1					SS	R82762	
		3.9					Sect.	R82861	
		8.6					B-Sect.	RS2661	
		8.9	L				R82081		
	88°	5.5	M				R82581		
		2.1	SS				R82782		
		3.9	Sect.				R82881		
		8.6	B-Sect.				RS2681		
V=25 for Type T  HRC55		86°	R3	28.5	1000 kN/m	982063	8.7	L	T82061
	88°	5.3					M	T82561	
		2.1					SS	T82762	
		3.8					Sect.	T82861	
		8.3					B-Sect.	T8266S	
		8.7	L				T82081		
	88°	5.3	M				T82581		
		2.1	SS				T82782		
		3.8	Sect.				T82881		
		8.3	B-Sect.				TS2681		

※Sectionalized Length (10,10,15,20,25,40,50,100,100 Total 370mm)

※L:835mm M:510mm SS:200mm

※B-Sectionalized Length (10,15,20,40,50,100,200,365 Total 800mm)

※ colored catalog # is order-made item.

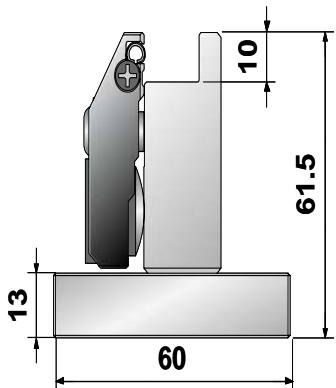
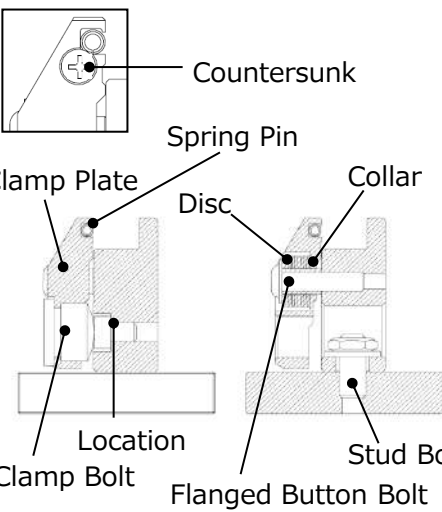
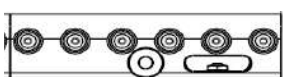
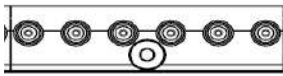
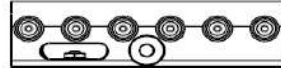
Name / Tool Profile	Angle	Shoulder R	W Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.	
V=32  HRC65	84°	R4	38	1000 kN/m	991001	10.6	L	087041	
						6.5	M	087541	
						2.5	SS	087742	
						4.6	Sect.	087841	
V=40  HRC65	84°	R4	46	1000 kN/m	991002	11.8	L	088041	
						7.2	M	088541	
						2.8	SS	088742	
						5.1	Sect.	088841	

※Sectionalized Length (20、25、30、40、50、100、100 Total 365mm)

※L:835mm M:510mm SS:200mm

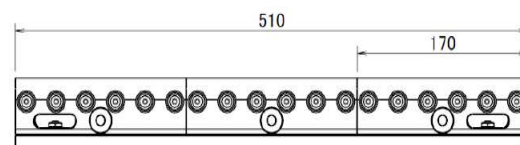
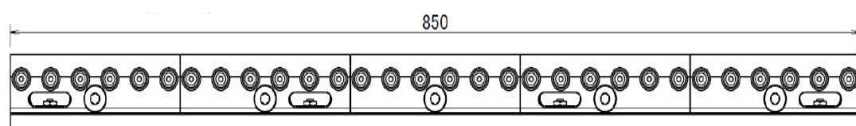
Die Holders H=51.5

SK10

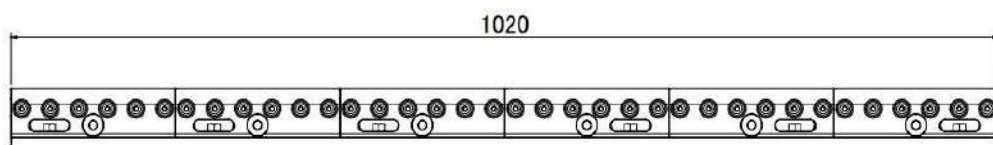
Name / Tool Profile	Angle	Shoulder R	W Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.
FEAT AFH Die Holders  HRC28	-	-	-	1000 kN/m	08250	13.5	L	082501
						8.0	M	082502
						15.6	1020	082521
Spring Pin Set	•Spring Pin 17pcs •Countersunk Screw 2pcs						082511	
Disc Spring Set	•Disc Spring 54pcs						082512	
Flanged Button Bolt Set	•Flanged Button Bolt 6pcs •Collar 6pcs						082513	
Clamp Bolt Set	•Clamp Bolt 1pcs •Location Pin 1pcs						082514	
STUD BOLT	M8xL22.5				※Q'ty on the left is for one clamp plate.		BB3610	
Clamp Plate (Right Hole)					※Please refer to the below picture about necessary quantity per holder.		082515	
Clamp Plate (No Hole)							082516	
Clamp Plate (Left Hole)				802517				

L size

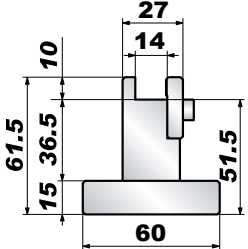
M size



1020 size (for EG-4010)



※L:850mm, M:510mm, 1020:1020mm

Name / Tool Profile	Angle	Shoulder R	W Width	Allowable Tonnage	FEL No.	Weight (kg)	Size	Cat. No.	
Reversible 1V Die Holders  HRC25±2	-	-	-	1000 kN/m	08150	13.2	L	081501	
						6.6	S	081502	

※L:840mm、S:420mm