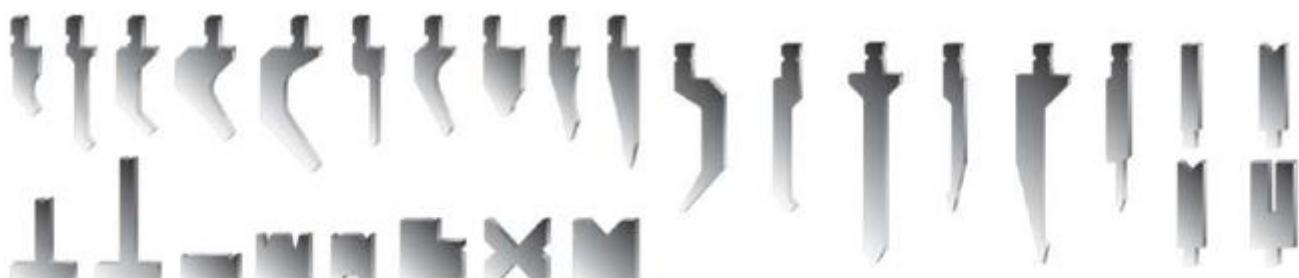




CATÁLOGO UTILLAJE DE PLEGADORA

BENDING TOOLS CATALOG



UTILLAJE DE PLEGADORA AMADA/TRUMPF

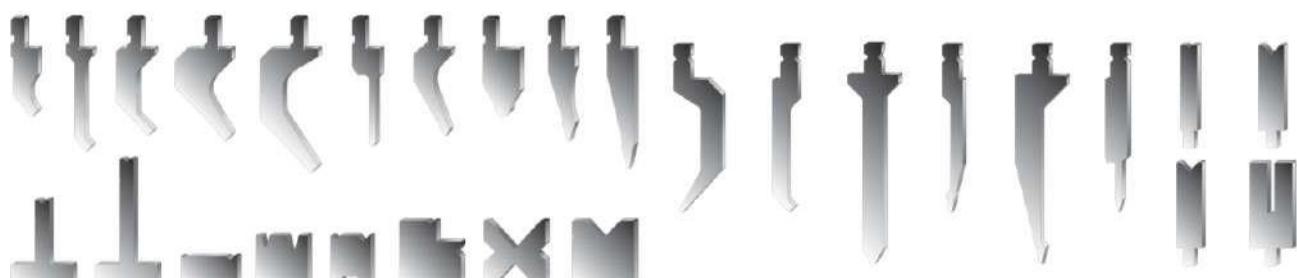
MADE IN ITALY

MADE IN ITALY

PRODUCCIÓN GENERAL



HERRAMIENTA THICK TURRET



UTILAJE DE PLEGADORA AMADA/TRUMPF



HERRAMIENTA TIPO TRUMPF



HERRAMIENTAS ESPECIALES

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**UTILLAJE WILA – TRUMPF
STYLE**

- Uso del Catalogo
Fraccionado estándar
Tabla según long. mesa
Botón de seguridad

PUNZONES WILA - TRUMPF

- Punzones 86°
Punzones 80°
Punzones 60°
Punzones 28°
Punzones 26°

MATRICES WILA - TRUMPF

- Matrices 1V 86°-80°-30° H100
Matrices 1V 86°-84° H100
Matrices 1V 86°-80° H100
Matrices 1V 30° H100
Matrices 1V 86°-30° H100

Plegado y aplastado
ACCESORIOS

- Extensiones TRUMPF - AMADA
Plegado sin marcas
Escuadras de guíado
Punzones radios insertables
Soportes para radios insertables
Punzones radios mayores
Contenedores insertos en Z
Insertos a Z
Sistema ACTIVE BEND
Armario de herramientas
Cuchillas para cizalla
Útiles especiales bajo pedido
Útiles con cometido especial
PRODUCCIÓN GENERAL

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INTRODUCCIÓN

Antes de elegir las herramientas a utilizar, compruebe sus especificaciones paralelamente a la consulta del manual de instrucciones de la prensa plegadora, para evitar peligros para el personal, rotura o deterioro de las herramientas.

Asegúrese de que la capacidad Ton/m de los punzones y matrices que pretende utilizar son compatibles y siempre superiores al tonelaje que se aplicará durante el trabajo a realizar.

La capacidad de carga máxima de la propia herramienta está siempre indicada en todas las herramientas.

Recuerde que las capacidades indicadas en la herramienta están calculadas para 1 metro lineal; por lo tanto, las longitudes más cortas deben relacionarse con la longitud de la herramienta en consecuencia.

MATERIAL Y DUREZA

TIPO DI MATERIALE	SIGLA CATALOGO	DUREZZA DELLA ZONA SUPERFICIALE (HRC)	RESISTENZA INTERNA N/mm ²
Acciaio C50	C45	temprato 55/60	650/680
	C45-B	bonificado e temprato 55/60	800/900
Acciaio 42CrMo4	42Cr-B	bonificado e temprato 55/60	1000/1100

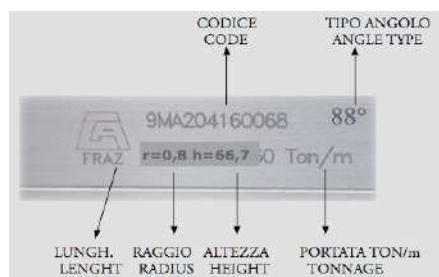
HERRAMIENTAS ESPECIALES

Nuestro Departamento Técnico está a la entera disposición de nuestros clientes para el estudio de herramientas especiales, incluso para herramientas de hasta 8 m de longitud.
es posible realizar modificaciones de radios, alturas, CALZOS y cortes de fraccionamiento.

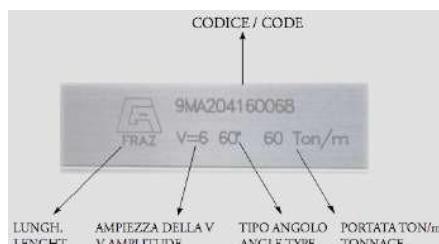
MARCADO DE HERRAMIENTAS

En las herramientas estándar, el marcado se efectúa del siguiente modo:

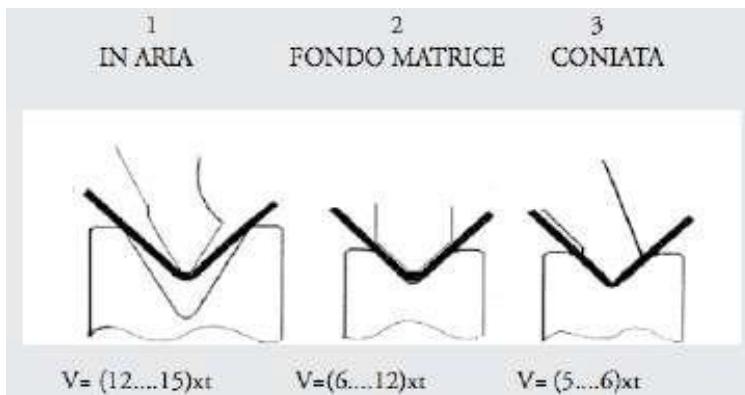
PUNZÓN



MATRIZ



TIPO DE PLEGADO



- 1) **Al aire.** Es el pliegue que se obtiene cuando la cara exterior de la chapa no entra en contacto con el fondo de la matriz. Para este tipo de plegado se utilizan chapas con una amplitud en V de aproximadamente 12 a 15 veces el espesor de la chapa a plegar. Consulte los datos de las tablas para determinar la fuerza a aplicar.
- 2) **A fondo.** La cara exterior de la chapa se pone en contacto con el fondo de la matriz. El radio interior obtenido es igual o superior al espesor de la chapa. Las tablas de plegado indican la fuerza necesaria para realizar este tipo de plegado. En este caso, la amplitud V recomendada es de 6 a 12 veces el espesor de la chapa. Si la V de la matriz es 6 veces el espesor de la chapa, el radio interior obtenido es igual al espesor. Para compensar el retorno elástico de la chapa, se recomienda utilizar matrices de 88° - 86° para obtener ángulos de 90°.
- 3) **Acuñado.** En este caso, la presión se ejerce de modo que el radio interno del plegado sea inferior al espesor de la chapa, con lo que se consigue el acuñado. De este modo, se elimina el efecto del retorno elástico de la chapa. La amplitud de la V de la matriz debe ser de 5-6 veces el espesor de la chapa, mientras que el punzón y la matriz deben estar a 90°. Tenga en cuenta que en este caso la fuerza a aplicar será de 5-8 veces los valores indicados en la tabla de fuerzas de flexión

DEBE TENERSE EN CUENTA:

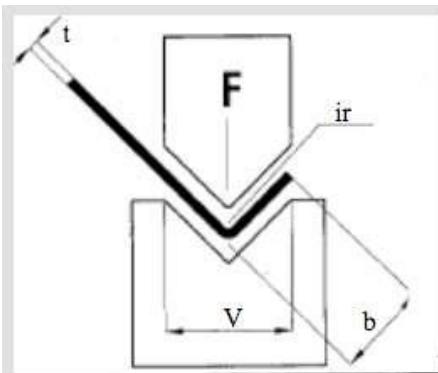
- El plegado acuñado requiere una fuerza mayor pero la precisión del ángulo obtenido es muy alta +/- 15'.
- El plegado al aire requiere una fuerza menor pero el material no se deforma y conserva su retorno elástico por lo que la precisión del ángulo obtenido es menor +/- 30'.
- La anchura de la V es siempre crucial.
- El ángulo del punzón en los plegados al aire y matriz no es crítico.
- El radio del punzón afecta proporcionalmente al radio interno.
- El tiempo de permanencia en el pliegue afecta a la precisión del radio alcanzable.
- El plegado acuñado provoca un mayor desgaste de la herramienta, pero es más fácil de conseguir.

ENTREGA

Todos los artículos del catálogo están disponibles en stock.

RELACIÓN ENTRE EL GROSOR DEL MATERIAL Y LA ANCHURA DE LA MATRIZ "V"

Spessore materiale	0,5-2,5	3,0-8,0	9,0-10,0	12,0 o più
Aampiezza della V	6 x t	8 x t	10 x t	12 x t



$$F = \frac{t^2 \times 2 \times R}{1,4 \times V} = t / mt$$

Alluminio/Aluminium

R= 20-25 Kg/mm²

Ferro/Mild Steel

R= 40-45 Kg/mm²

Inox/Stainless Steel

R= 65-70 Kg/mm²

TABLA DE TONELAJE PARA PLIEGUE A FONDO MATRIZ

L=1 m A C E R O 45 kg/mm²

t mm	4	6	7	8	10	12	14	16	18	20	25	32	40	50	63	80	100	125	V	
2,8	4	4	5	5,5	7	8,5	10	11	13,5	14	17,5	22	28	35	45	55	71	89	b	
0,7	1	1,1	1,3	1,6	2	2,3	2,6	3	3,3	4	5	6,5	8	10	13	16	20	20	ir	
0,5	4	3																		
0,6	6	4	4	4																
0,8		7	7	5	4															
1		11	10	8	7	6														
1,2			14	12	10	8	7	6												
1,4				15	13	11	10	9	8											
1,6					17	15	13	11	10	9										
2						22	19	17	15	13	11									
2,3							25	23	19	17	15	12								
2,6								28	25	22	18	14								
3									34	30	24	19	15							
3,2										34	27	22	17	14						
3,5											33	26	20	16	13					
4											43	34	27	21	17					
4,5												44	34	27	21					
5													52	42	33	26	21			
6														60	48	38	30	24		
7															52	41	33	26		
9																67	54	43		
10																	85	67	53	
12																	96	78		

VALORES DE CORRECCIÓN

Para el aluminio, el valor se reduce a la mitad - Para el acero inoxidable, el valor se duplica

UTILAJE TIPO AMADA - PROMECAM

AMADA-PROMECAM STYLE

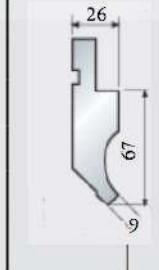
TOOLS

USO DEL CATÁLOGO

Tenga en cuenta lo siguiente para una consulta adecuada:

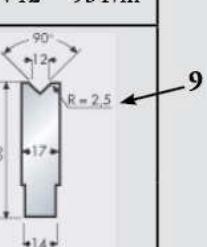
PUNZÓN

1	2	3	4	5	6	
90° 100 T/m		Raggio Radius	Altezza Height	835 mm. COD.	415 mm. COD.	FRAZ./SECT. 805 mm. COD.
		0,2	67,00	9PA010109021	9PA010109022	9PA010109028
		0,8	66,70	9PA010109081	9PA010109082	9PA010109088
		-	-	-	-	-
		PESO Kg.		12	6	12
		€				



MATRIZ

5	1	10	2
COD.	€	90° V12	95T/m
9MA007590121 835 mm.-Kg.6,0			
9MA007590122 415 mm.-Kg. 3,0			
9MA007590128 Sec. 805-Kg. 6,0			

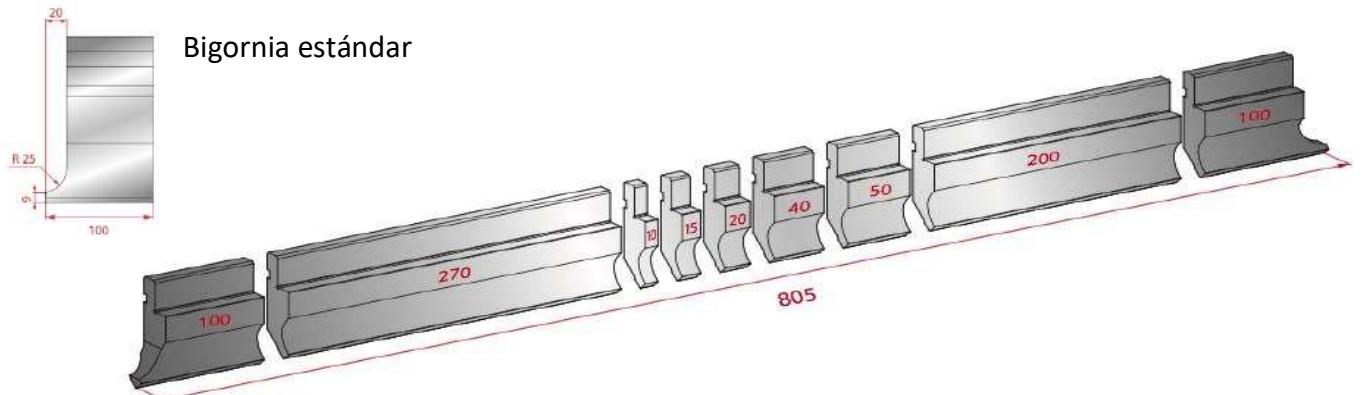


1. AMPLITUD DEL ÁNGULO EN GRADOS/AMPLITUD DEL ÁNGULO
2. RESISTENCIA (Toneladas x 1 metro)
3. RADIO DE LA PUNTA
4. ALTURA DE LA HERRAMIENTA (INDICACIÓN X CONTROL NUMÉRICO) VARÍA EN FUNCIÓN DEL RADIO/ALTURA DE LA HERRAMIENTA
5. CÓDIGO DE PEDIDO/CÓDIGO DE PEDIDO
6. LONGITUD DE LA HERRAMIENTA FRACCIONADA
7. ESPESOR DEL PUNZÓN/ESPESOR DEL PUNZÓN
8. PESO DE LA HERRAMIENTA
9. RADIO DEL BORDE LA V
10. ANCHURA DE LA V

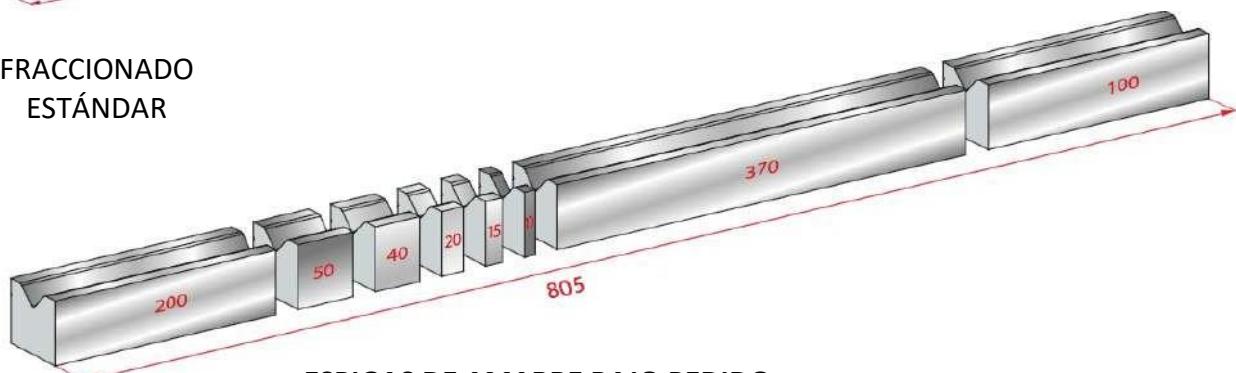
LONGITUDES ESTÁNDAR

Las herramientas AMADA-PROMECAM pueden utilizarse en las plegadoras que utilizan los accesorios y herramientas tipo: Promecam o Amada-Promecam también conocido como sistema europeo.

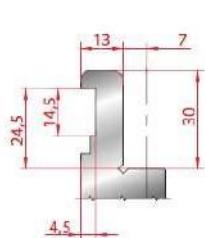
La longitud estándar de las herramientas es: 835 mm y 415 mm



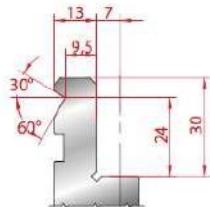
FRACTONADO
ESTÁNDAR



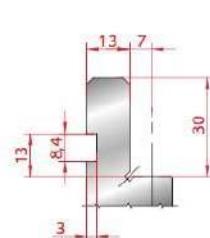
ESPIGAS DE AMARRE BAJO PEDIDO



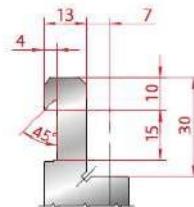
8010 BARRETTA



8011 BMB

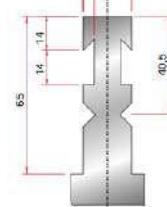


8012 STD. AMADA-PROMECAM

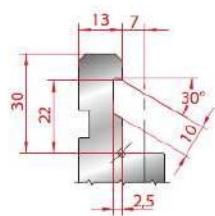


8013 GASPARINI

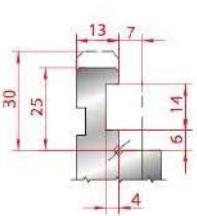
NEW !!



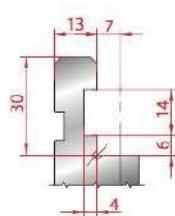
Beyeler RF-A



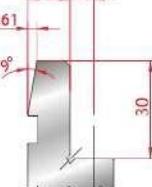
8014 TEDA



8016 EURO BEYELER

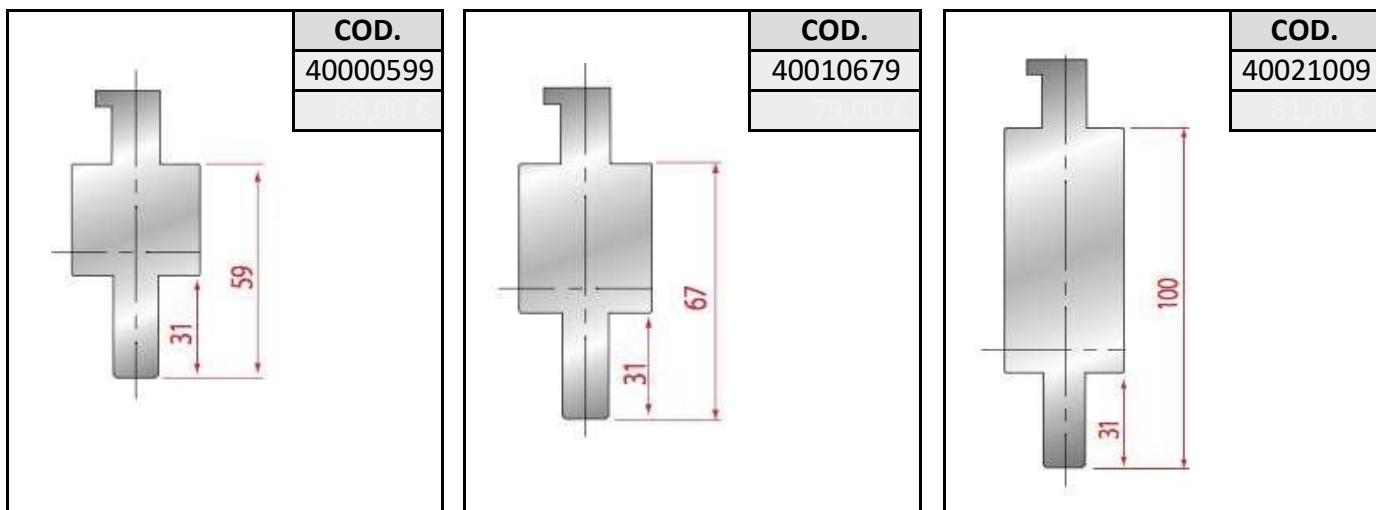
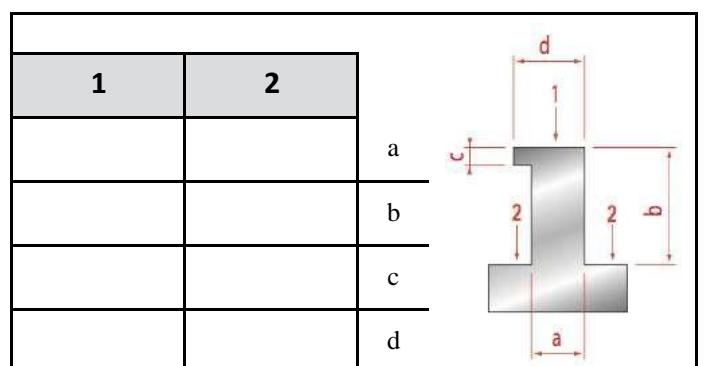


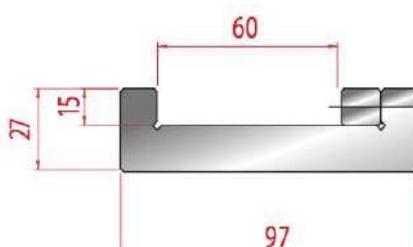
8017 BEYELER

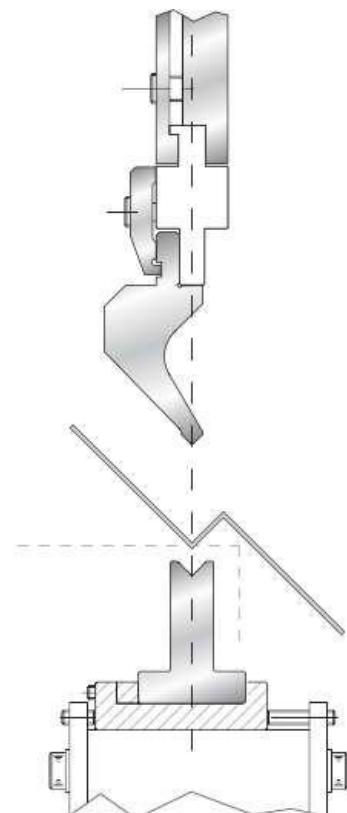


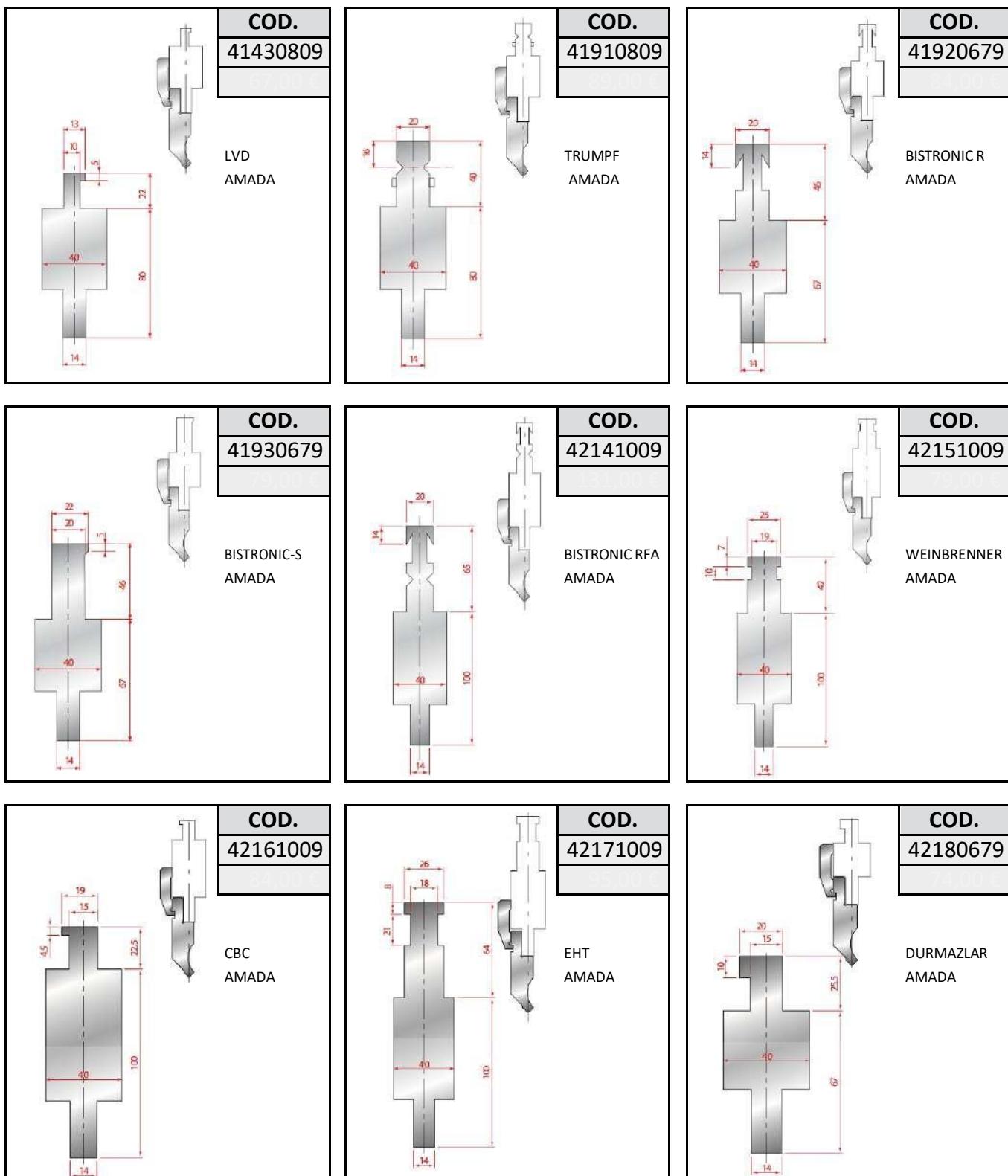
8020 ONE TOUCH

ADAPTADORES DISPONIBLES PARA PLEGADORAS BYSTRONIC - TRUMPF - LVD - WEINBRENNER - AMERICAN

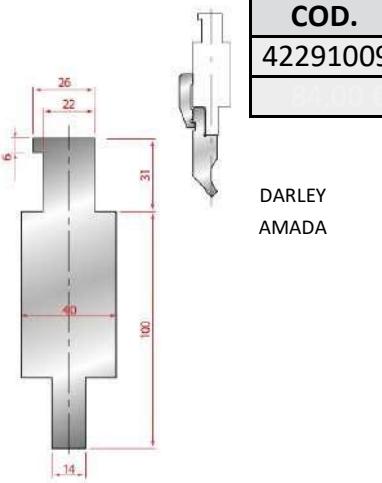
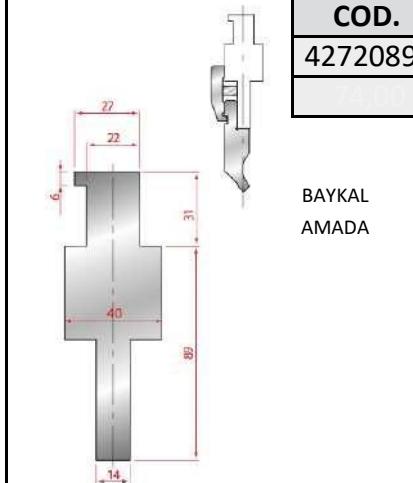
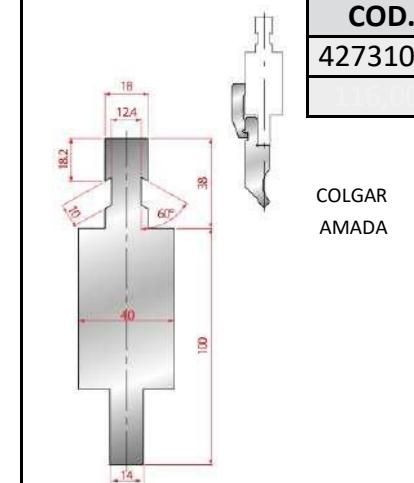
ADAPTADOR AMADA L=150

NOTA: PEDIDO MÍNIMO 5 UDS.


	COD.	L
		Price
90102100	2100	
90102100	2600	
90102100	3100	
90102100	4100	

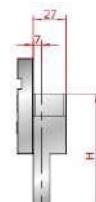

**ADAPTADORES DE HERRAMIENTAS AMADA-PROMECAM
PARA TODO TIPO DE PLEGADORAS**

ADAPTADOR L=150


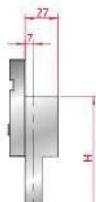
ADAPTADOR L=150

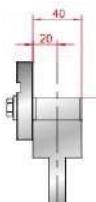
	COD. 42291009	DARLEY AMADA
	COD. 42720899	BAYKAL AMADA
	COD. 42731009	COLGAR AMADA

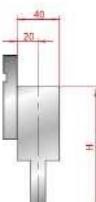
INTERMEDIARIO REGISTRABLE L=150

B=27	H=100	H=120	H=150
	42211009	42221209	42231509
			

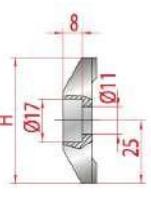
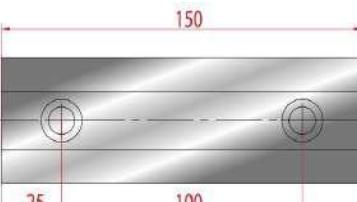
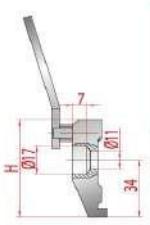
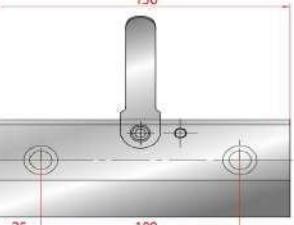
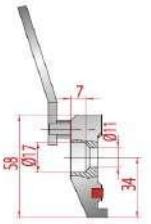
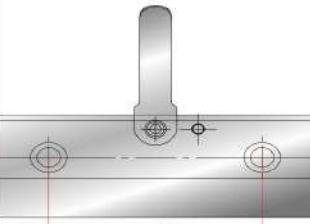
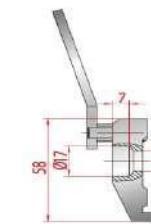
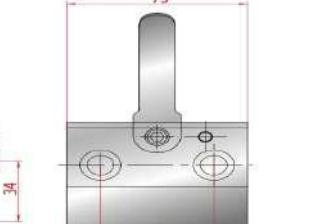
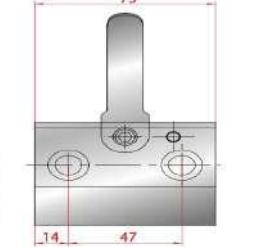
INTERMEDIARIO FIJO L =75

B=27	H=100	H=120	H=150
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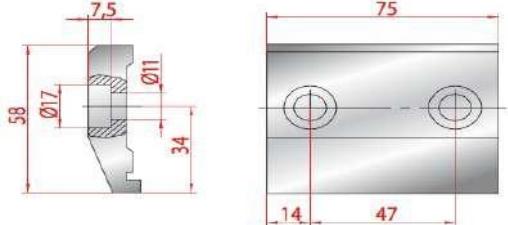
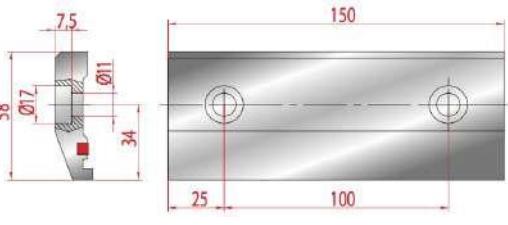
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			-
			

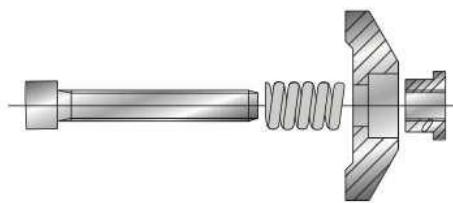
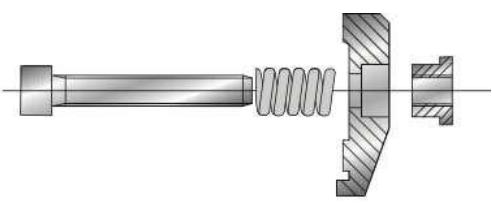
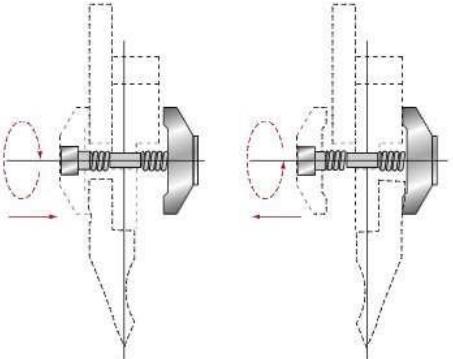
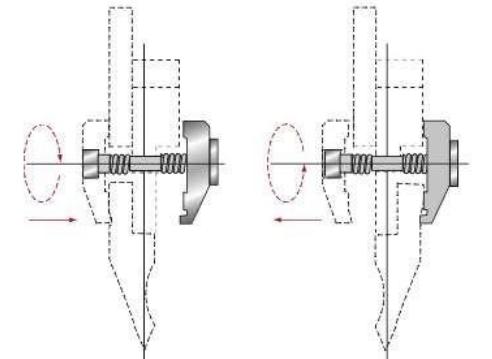
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	-		-
			

BRIDAS DE AMARRE

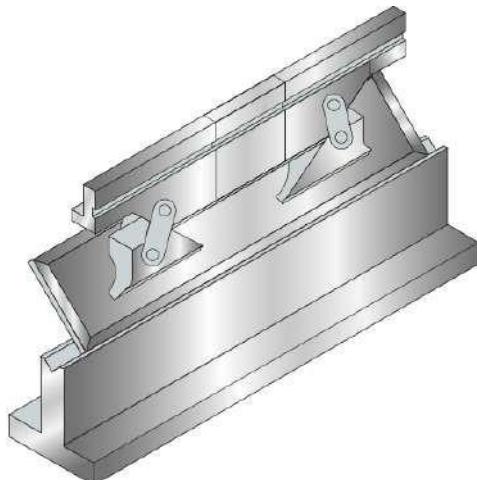
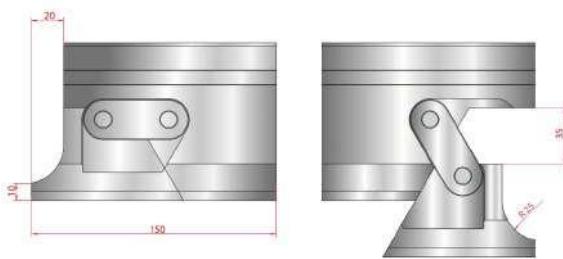
		
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H=52 50110529	H=58 40210589	
		
H=63 40090639		
		
H=58 42190589	H=63 42200639	
		
H=58 40070587	H=50 40080507	

BRIDAS DE AMARRE

	
H=58	
40900587	

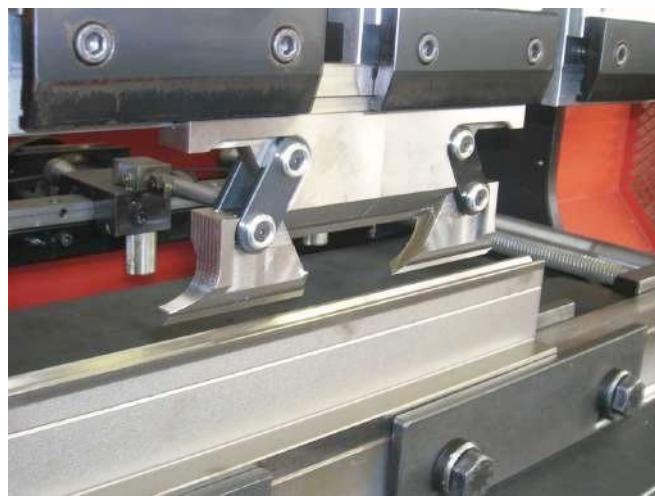
KIT PER DOPPIO STAFFAGGIO - DOUBLE CLAMPING EQUIPMENT	
	
	
Cod.	Cod.
40310000	40320000

BIGORNIAS MÓVILES



Punzón	Bigornia móvil	Price
10109081/2/8	1010S9089 $r=0,8$ L=150	
10118881/2/8	1011S8889 $r=0,8$ L=150	
10649041/2/8	1064S9049 $r=0,25$ L=150	
10658841/2/8	1065S8849 $r=0,25$ L=150	
10473581/2/8	1047S3589 $r=0,8$ L=150	

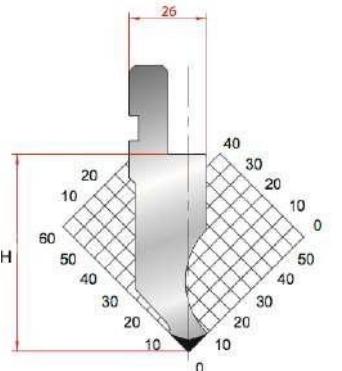
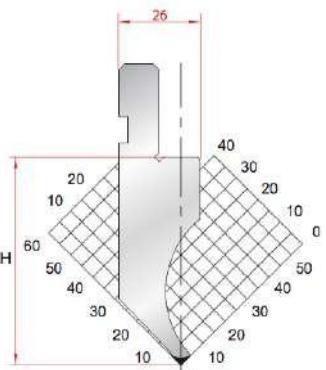
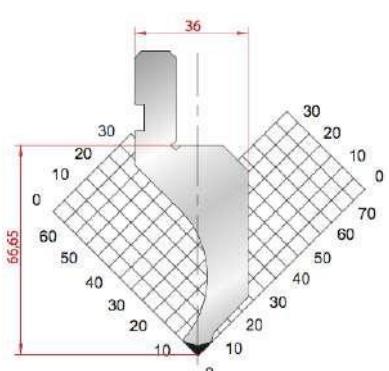
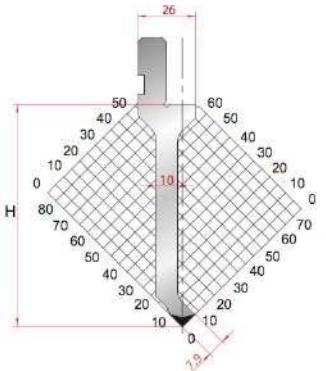
Nota: Precio para una pareja



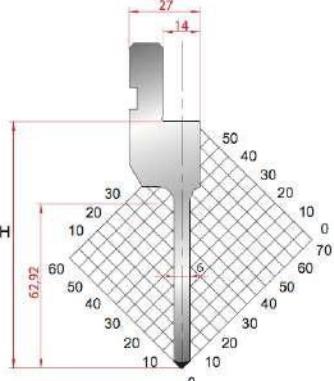
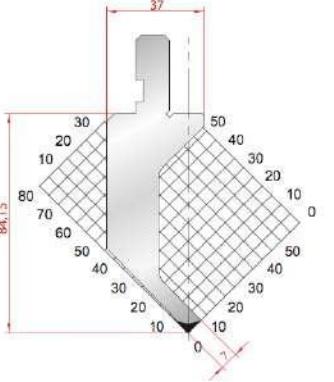
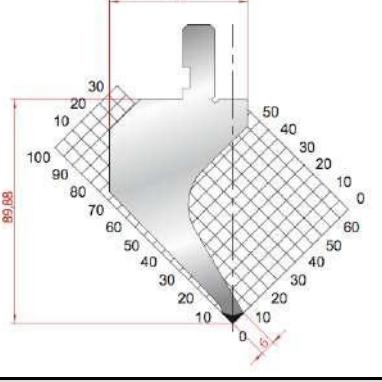
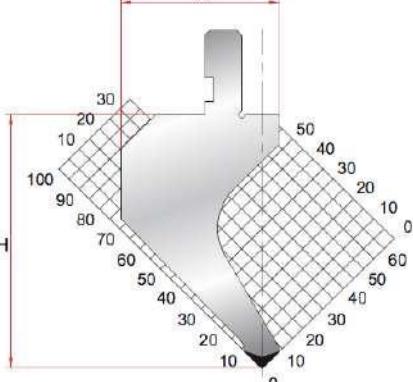
AMADA - PROMECAM

Punzones

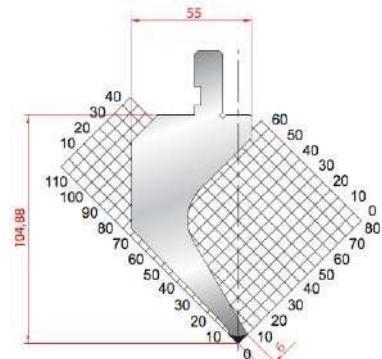
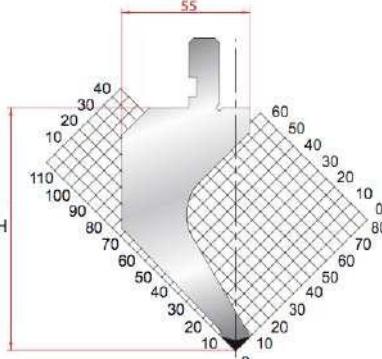
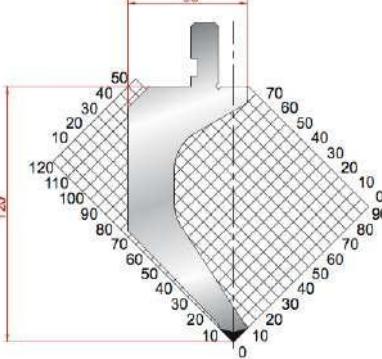
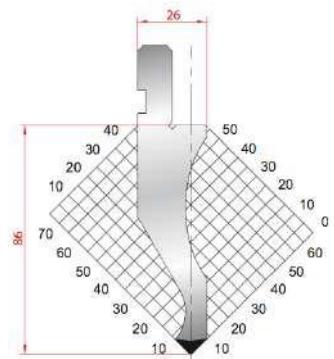
PUNZONES 90°

90° 100T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,25	66,6	10649041	10649042	10649048
	Price				
	0,8	66,65	10109081	10109082	10109088
	Price				
	-	-	-	-	-
	Price		-	-	-
	KG		10,5	5,2	9,7
90° 35T/m C45-B	R	H	835 mm	415 mm	FRAZ/SECT.
	0,25	66,35	12639041	12639042	12639048
	0,60	66,40	10489061	10489062	10489068
	-	-	-	-	-
	KG		10,0	5,0	9,1
	Price				
90° 60T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,80	66,65	10809081	10809082	10809088
	-	-	-	-	-
	-	-	-	-	-
	KG		10,3	5,0	9,3
	Price				
90° 50T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,25	99,35	12619041	12619042	12619048
	0,6	99,4	10289061	10289062	10289068
	-	-	-	-	-
	KG		9,7	4,8	8,9
	Price				

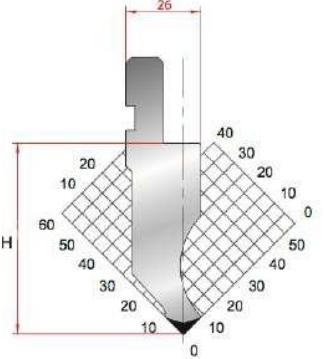
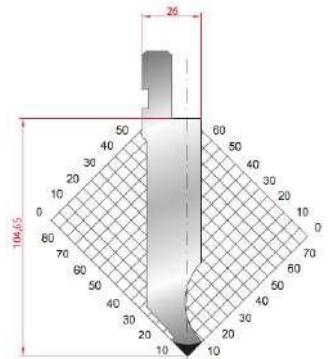
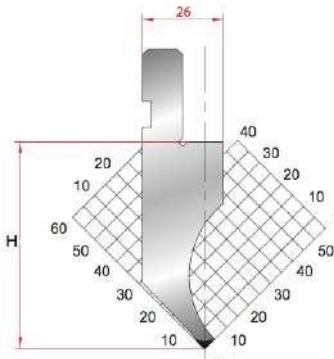
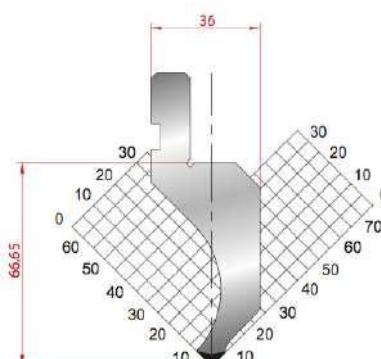
PUNZONES 90°

90° 50T/m C45-B	R	H	835 mm	415 mm	FRAZ/SECT.
	0,25	94,35	12699041	12699042	12699048
	0,6	94,40	10839061	10839062	10839068
	-	-	-	-	-
	KG		9,7	4,7	8,6
	Price				
90° 20T/m 42Cr	R	H	835 mm	415 mm	FRAZ/SECT.
	0,60	84,15	10199061	10199062	10199068
		-	-	-	-
		-	-	-	-
	KG		12,8	6,4	11,8
	Price				
90° 50T/m C45-B	R	H	835 mm	415 mm	FRAZ/SECT.
	0,25	89,88	11769041	11769042	11769048
		-	-	-	-
		-	-	-	-
	KG		18,4	9,1	16,9
	Price				
90° 60T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,25	89,6	12659041	12659042	12659048
	0,80	89,65	10139081	10139082	10139088
	-	-	-	-	-
	KG		19,4	9,7	17,9
	Price				

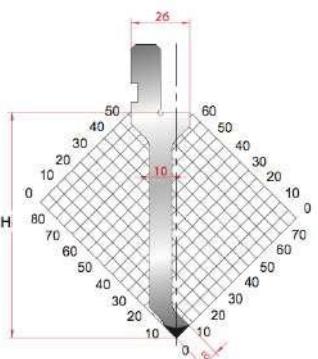
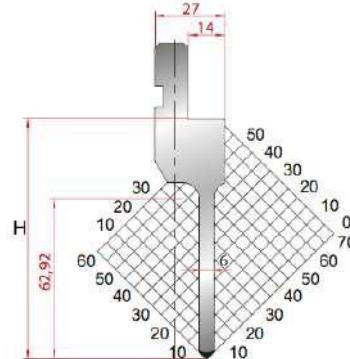
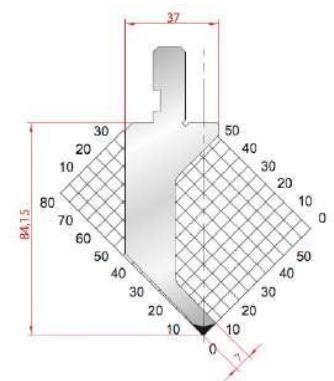
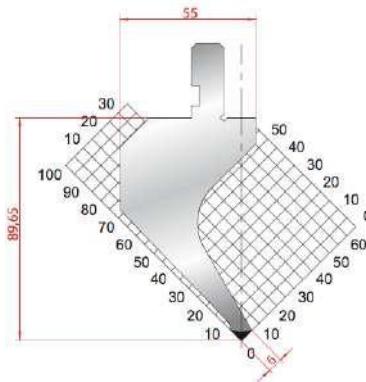
PUNZONES 90°

90° 50T/m C45-B	R	H	835 mm	415 mm	FRAZ/SECT.
	0,25	104,88	11749041	11749042	11749048
	-	-	-	-	-
	-	-	-	-	-
	KG	20,7		10,3	19,0
	Price				
90° 50T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,25	104,60	12679041	12679042	12679048
	0,8	104,65	10169081	10169082	10169088
	-	-	-	-	-
	KG	21,9		10,9	21,1
	Price				
90° 50T/m C45-B	R	H	835 mm	415 mm	FRAZ/SECT.
	0,80	120,00	10609081	10609082	10609088
		-	-	-	-
		-	-	-	-
	KG	22,0		10,9	20,2
	Price				
90° 100T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	86,00	10219081	10219082	10219088
	-	-	-	-	-
	-	-	-	-	-
	KG	10,9		5,4	10,0
	Price				

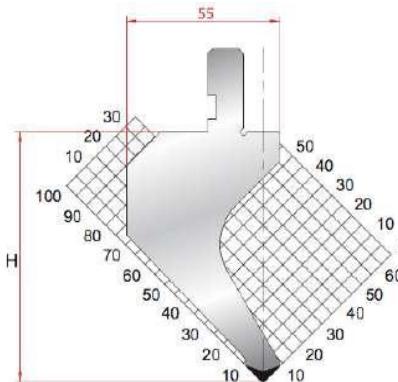
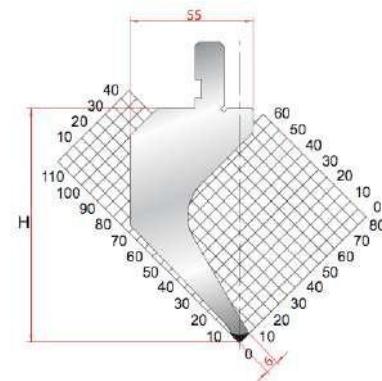
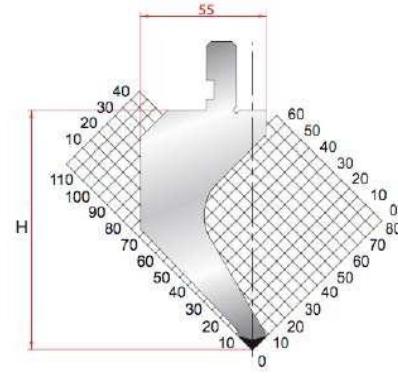
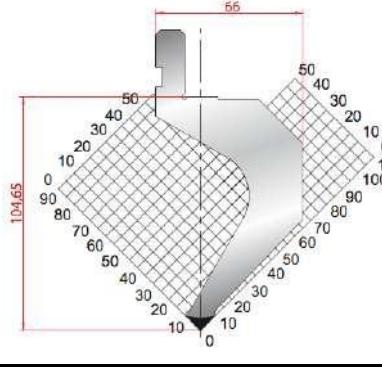
PUNZONES 88°

88° 100T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,25	66,6	10658841	10658842	10658848
	Price				
	0,8	66,65	10118881	10118882	10118888
	Price				
	3,0	65,5	10128831	10128832	10128838
	Price				
	KG		10,5	5,2	9,7
88° 100T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	104,65	10638881	10638882	10638888
	-	-	-	-	-
	-	-	-	-	-
	KG		16,4	8,2	15,1
	Price				
88° 35T/m C45-B	R	H	835 mm	415 mm	FRAZ/SECT.
	0,25	66,35	12648841	12648842	12648848
	0,60	66,4	10498861	10498862	10498868
	-	-	-	-	-
	KG		10,0	5,0	10,0
	Price				
88° 60T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	66,65	10818881	10818882	10818888
	-	-	-	-	-
	-	-	-	-	-
	KG		10,1	5,0	9,3
	Price				

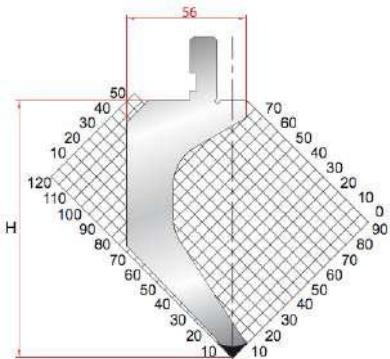
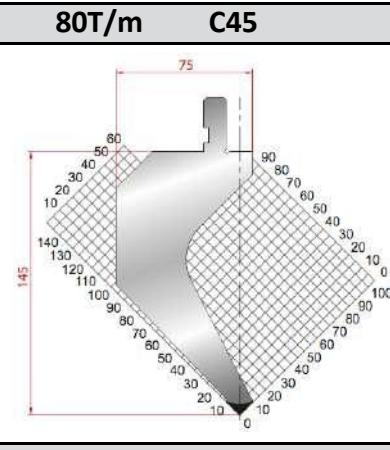
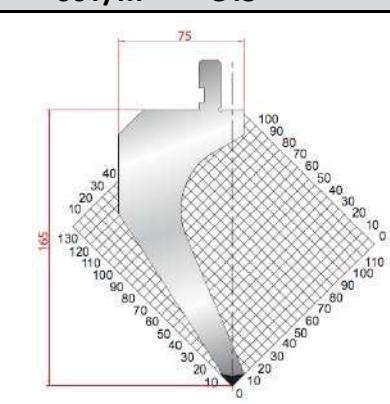
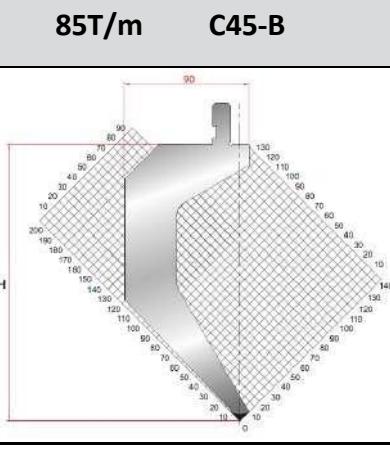
PUNZONES 88°

88° 50T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,25	99,35	12628841	12628842	12628848
	0,6	99,4	10298861	10298862	10298868
	-	-	-	-	-
	KG		9,7	4,8	8,9
	Price				
88° 50T/m C45-B	R	H	835 mm	415 mm	FRAZ/SECT.
	0,25	94,35	12708841	12708842	12708848
	0,6	94,4	10848861	10848862	10848868
	-	-	-	-	-
	KG		9,4	4,7	8,6
	Price				
88° 20T/m 42CrMo4	R	H	835 mm	415 mm	FRAZ/SECT.
	0,6	84,15	10208861	10208862	10208868
	-	-	-	-	-
	-	-	-	-	-
	KG		12,8	5,4	11,8
	Price				
88° 50T/m C45-B	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	89,65	11758881	11758882	11758888
	-	-	-	-	-
	-	-	-	-	-
	KG		18,4	9,1	16,9
	Price				

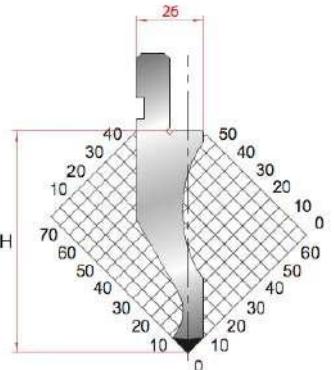
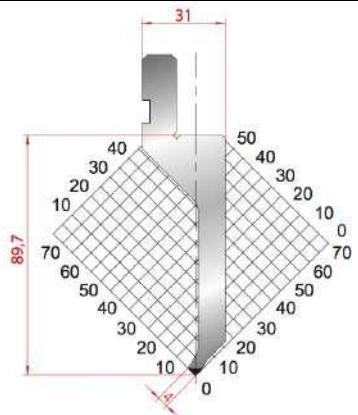
PUNZONES 88°

88° 60T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,25	89,6	12668841	12668842	12668848
		Price			
	0,8	89,65	10148881	10148882	10148888
		Price			
	3,0	88,5	10158831	10158832	10158838
		Price			
		KG	19,5	9,7	17,9
88° 50T/m C45-B	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	104,65	11738881	11738882	11738888
	-	-	-	-	-
	-	-	-	-	-
		KG	20,7	10,3	19,0
		Price			
88° 50T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,25	104,6	12688841	12688842	12688848
	0,8	104,65	10178881	10178882	10178888
	3,0	103,5	10188831	10188832	10188888
		KG	21,8	10,8	20,0
		Price			
88° 45T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	104,65	10828881	10828882	10828888
	-	-	-	-	-
	-	-	-	-	-
		KG	21,1	10,5	19,4
		Price			

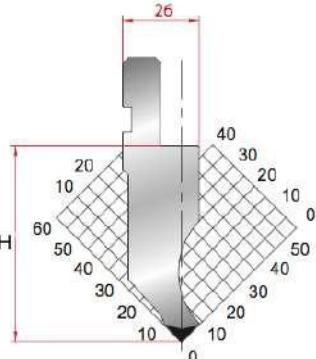
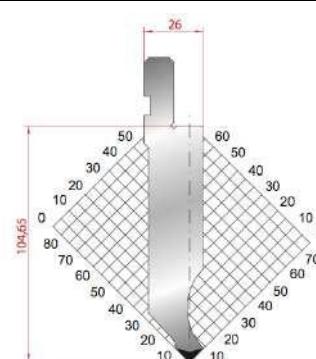
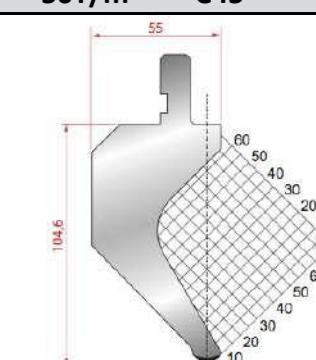
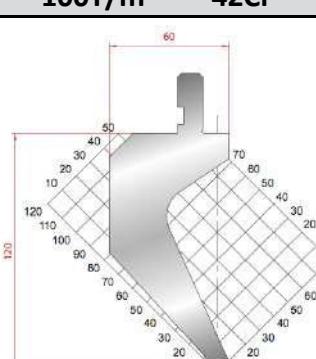
PUNZONES 88°

88°	50T/m	C45-B	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	120,0	10618881	10618882	10618888		
	3,0	119,03	10628831	10628832	10628838		
	-	-	-	-	-		
	KG		22,0	10,9	20,2		
	Price						
	0,8	145,0	10308881	10308882	10308888		
	-	-	-	-	-		
	-	-	-	-	-		
	KG		39,0	19,5	36,1		
	Price						
	0,8	165,00	10318881	10318882	10318888		
	-	-	-	-	-		
	-	-	-	-	-		
	KG		39,2	19,5	36,0		
	Price						
	0,8	200,0	12918886	12918888			
	Price						
	3,0	199,03	13018836	13018838			
	Price						
	KG		32,4	49,2			

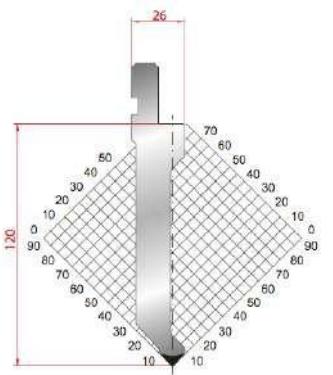
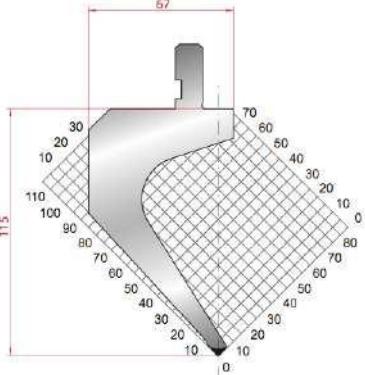
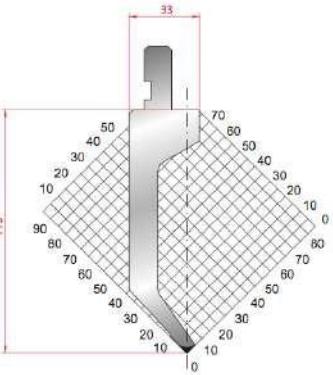
PUNZONES 88°

88° 100T/m C45	R	H	835 mm	415 mm	805F/S
	0,8	86,00	10228881	10228882	10228888
	3,0	84,85	10238831	10238832	10238838
	-	-	-	-	-
	KG		10,9	5,4	10,0
	Price				
<hr/>					
88° 30T/m C45-B	R	H	835 mm	415 mm	805F/S
	0,6	89,7	12908861	12908862	12908868
	-	-	-	-	-
	-	-	-	-	-
	KG		10,0	5,0	9,3
	Price				
<hr/>					

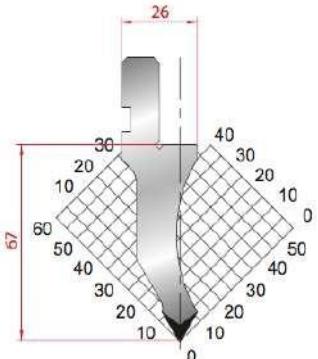
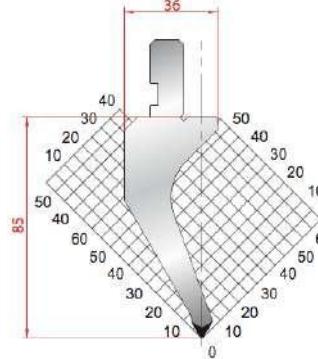
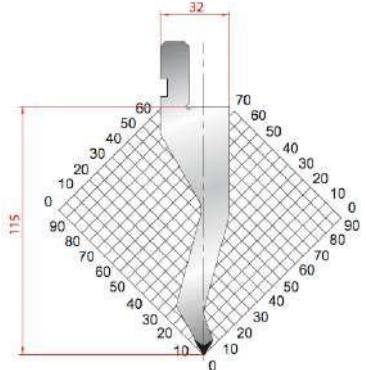
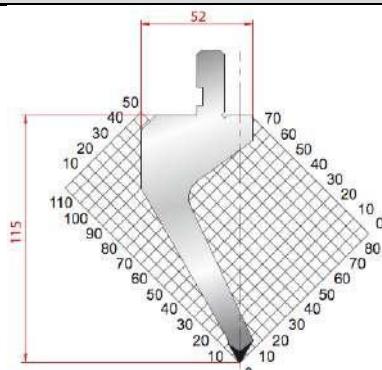
PUNZONES 85°

85° 100T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	66,6	12608581	12608582	12608588
	3,0	65,5	11778531	11778532	11778538
		-	-	-	-
	KG		11,0	5,0	11,0
	Price				
	0,8	104,65	12818581	12818582	12818588
	-	-	-	-	-
	-	-	-	-	-
	KG		17,0	9,0	17,0
	Price				
85° 50T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	104,6	11728581	11728582	11728588
	-	-	-	-	-
	-	-	-	-	-
	KG		23,0	11,5	23,0
	Price				
85° 100T/m 42Cr	R	H	835 mm	415 mm	FRAZ/SECT.
	1,5	120,0	13228581	13228582	13228588
	-	-	-	-	-
	-	-	-	-	-
	KG		26,7	13,3	26,7
	Price				

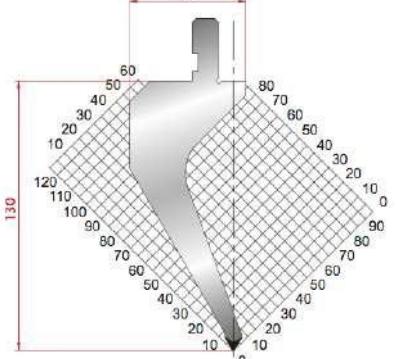
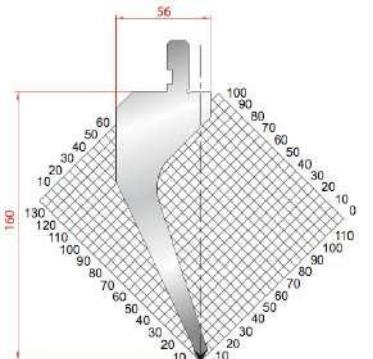
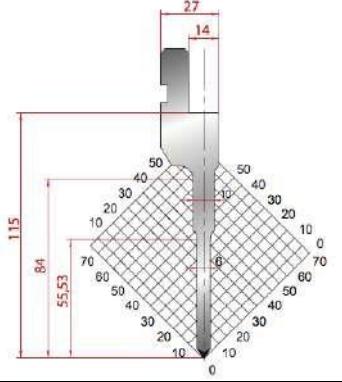
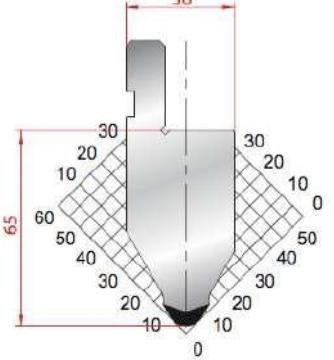
PUNZONES 85°

85° 70T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	120,0	13098581	13098582	13098588
	-	-	-	-	-
	-	-	-	-	-
	KG	15,9		7,8	14,7
	Price				
85° 35T/m 42Cr	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	115,0	13108581	13058582	13058588
	-	-	-	-	-
	-	-	-	-	-
	KG	23,0		11,5	23,0
	Price				
85° 20T/m 42Cr	R	H	835 mm	415 mm	FRAZ/SECT.
	0,6	115,0	13128581	13128582	13158588
	-	-	-	-	-
	-	-	-	-	-
	KG	14,5		7,2	14,5
	Price				

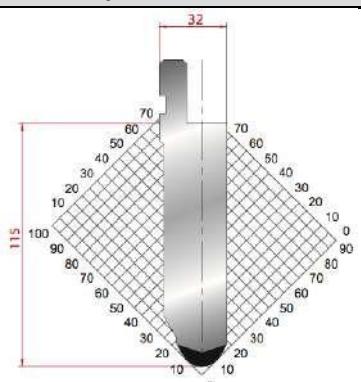
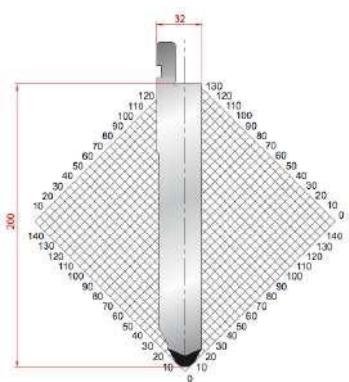
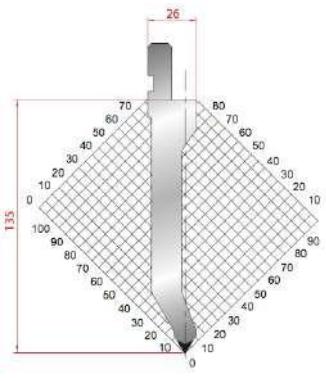
PUNZONES 60°

60° 80T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	67,0	10266081	10266082	10266088
	2,0	67,0	10276021	10276022	10276028
	-	-	-	-	-
	KG		9,0	4,5	9,0
	Price				
60° 40T/m 42Cr	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	85,0	11626081	11626082	11626088
	-	-	-	-	-
	-	-	-	-	-
	KG		12,0	6,0	12,0
	Price				
60° 60T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	115,0	11916081	11916082	11916088
	-	-	-	-	-
	-	-	-	-	-
	KG		15,0	7,5	15,0
	Price				
60° 40T/m C45-B	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	115,0	12726081	12726082	12726088
	-	-	-	-	-
	-	-	-	-	-
	KG		20,0	10,0	20,0
	Price				

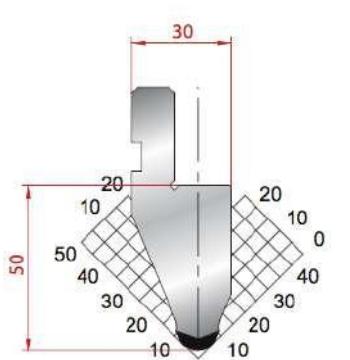
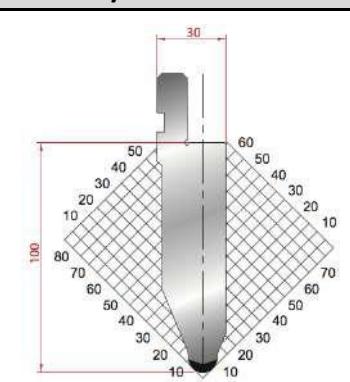
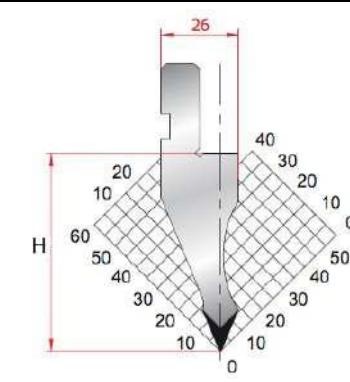
PUNZONES 60°

60° 40T/m C45-B	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	130,0	11636081	11636082	11636088
	-	-	-	-	-
	-	-	-	-	-
	KG	23,0		11,5	20,5
	Price				
60° 40T/m C45-B	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	160,0	11906081	11906082	11906088
	-	-	-	-	-
	-	-	-	-	-
	KG	23,0		11,5	23,0
	Price				
60° 50T/m C45-B	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	115,0	12716081	12716082	12716088
	-	-	-	-	-
	-	-	-	-	-
	KG	9,0		4,5	9,0
	Price				
60° 120T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	6,0	65,0	103260A1	103260A2	103260A8
	-	-	-	-	-
	-	-	-	-	-
	KG	15,0		7,5	13,6
	Price				

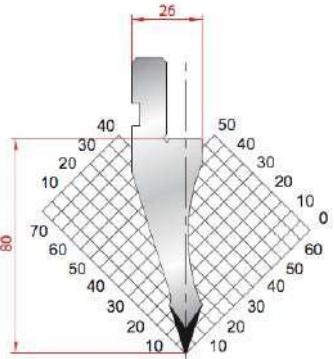
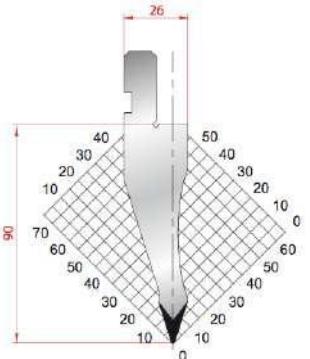
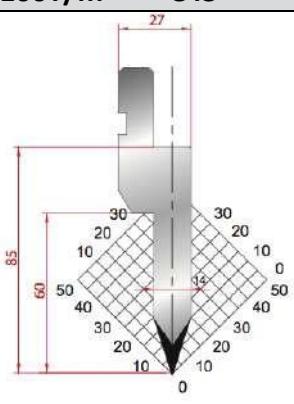
PUNZONES 60°

60° 150T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	10,0	115,0	12836001	12836002	12836008
	-	-	-	-	-
	-	-	-	-	-
	KG	23,8		11,8	21,9
	Price				
60° 150T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	8,0	200,0	129360E1	129360E2	129360E8
	-	-	-	-	-
	-	-	-	-	-
	KG	40,8		20,4	40,8
	Price				
60° 70T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	135,0	12846081	12846082	12846088
	-	-	-	-	-
	-	-	-	-	-
	KG	19,0	9,0	19,0	
	Price				

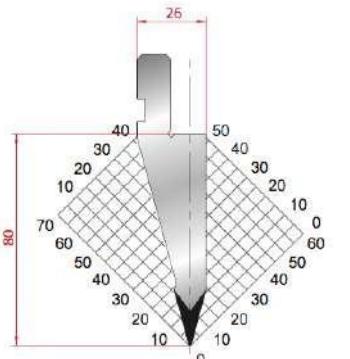
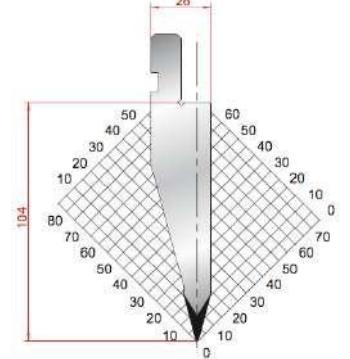
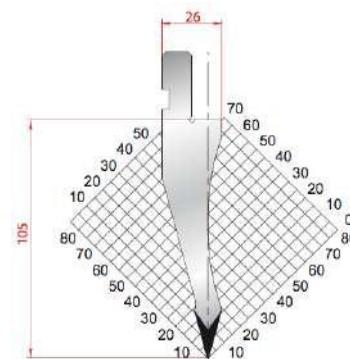
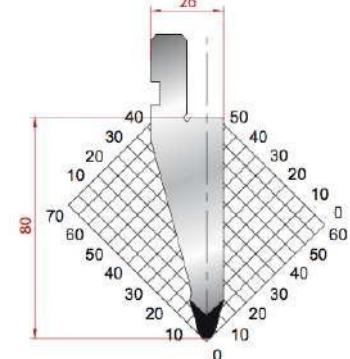
PUNZONES 45°

45° 100T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	6,0	50,0	105445A1	105445A2	105445A8
	-	-	-	-	-
	-	-	-	-	-
	KG	9,5		4,75	9,5
	Price				
45° 100T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	6,0	100,0	105345A1	105345A2	105345A8
	-	-	-	-	-
	-	-	-	-	-
	KG	20,0		10,0	20,0
	Price				
45° 80T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,5	66,4	10244571	10244572	10244578
	1,5	65,2	10254591	10254592	10254598
	-	-	-	-	-
	KG	10,0		5,0	10,0
	Price				

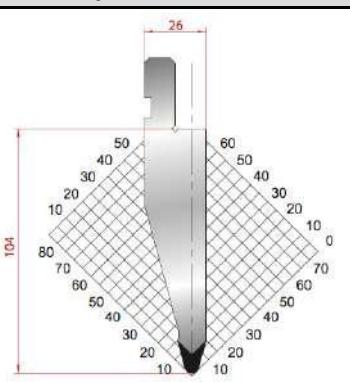
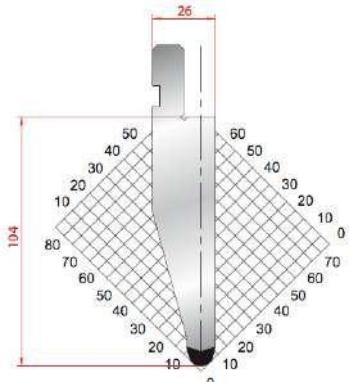
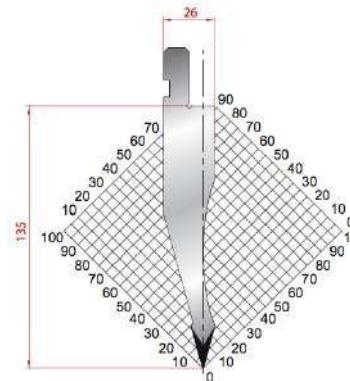
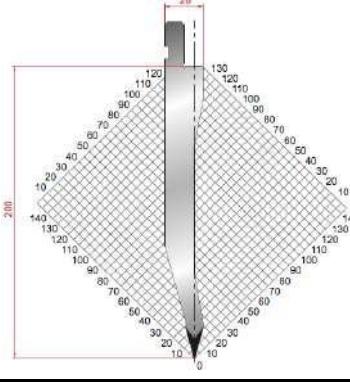
PUNZONES 35°

35° 70T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,5	80,0	10353571	10353572	10353578
	-	-	-	-	-
	-	-	-	-	-
	KG	11,0		5,50	11,0
	Price				
35° 70T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	90,0	10473581	10473582	10473588
	1,5	90,0	12823591	12823592	12823598
	-	-	-	-	-
	KG	12,0		6,0	12,0
	Price				
35° 100T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,8	85,0	10343581	10343582	10343588
	-	-	-	-	-
	-	-	-	-	-
	KG	11,0		5,5	11,0
	Price				

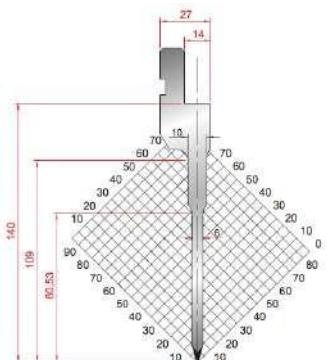
PUNZONES 30°

30° 100T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,5	80,0	10563071	10563072	10563078
	-	-	-	-	-
	-	-	-	-	-
	KG		11,0	5,5	11,0
	Price				
30° 100T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,6	104,0	11933061	11933062	11933068
	-	-	-	-	-
	-	-	-	-	-
	KG		14,6	7,3	13,4
	Price				
30° 50T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,5	105,0	10553071	10553072	10553078
	-	-	-	-	-
	-	-	-	-	-
	KG		16,0	8,0	16,0
	Price				
30° 100T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	3	80,0	10573031	10573032	10573038
	-	-	-	-	-
	-	-	-	-	-
	KG		11,0	5,5	11,0
	Price				

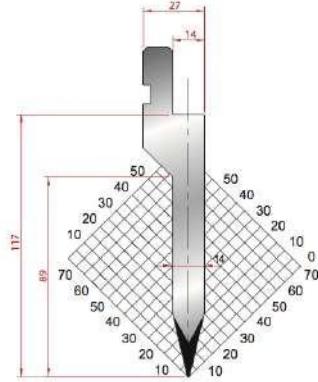
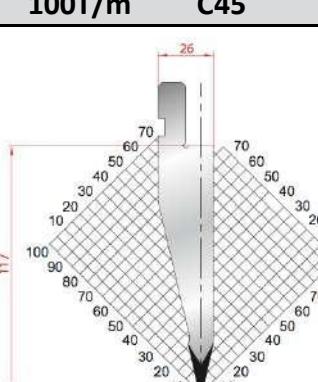
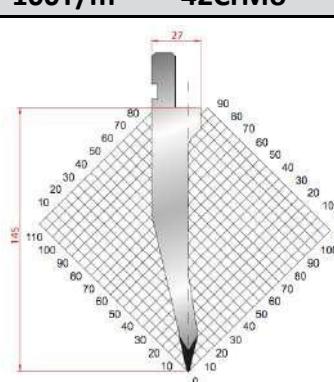
PUNZONES 30°

30° 100T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	3,0	104,0	12893031	12893032	12893038
	-	-	-	-	-
	-	-	-	-	-
	KG		17,0	8,5	17,0
	Price				
30° 100T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	5,0	104,0	11943051	11943052	11943058
	-	-	-	-	-
	-	-	-	-	-
	KG		17,0	8,5	17,0
	Price				
30° 50T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,5	135,0	10523071	10523072	10523078
	-	-	-	-	-
	-	-	-	-	-
	KG		20,0	10,0	20,0
	Price				
30° 50T/m C45	R	H	835 mm	415 mm	FRAZ/SECT.
	0,5	200,0	12923071	12923072	12923078
	-	-	-	-	-
	-	-	-	-	-
	KG		26,0	13,0	26,0
	Price				

PUNZONES 30°

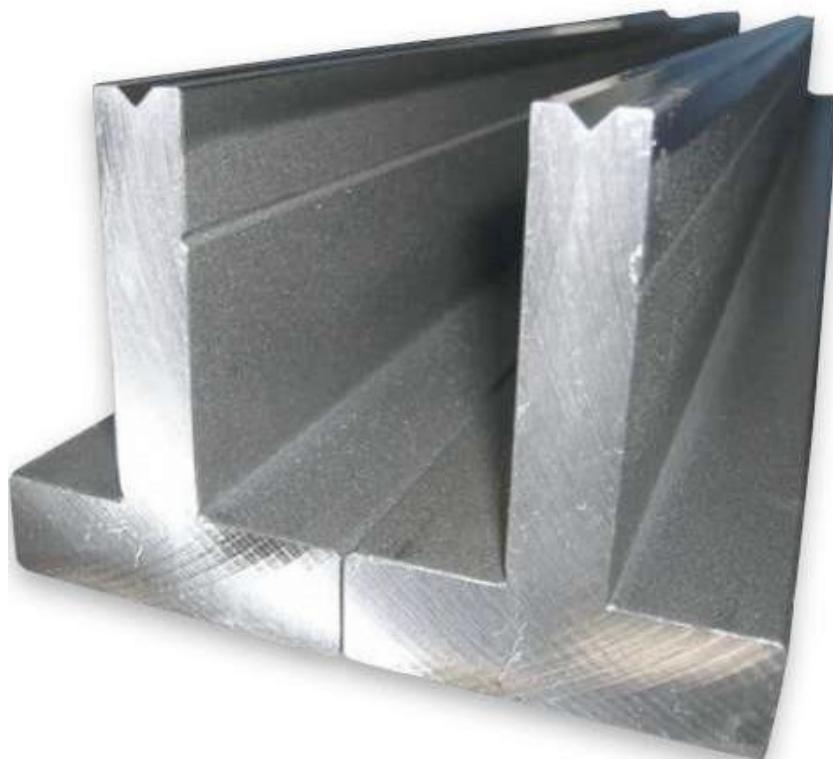
30°	40T/m	C45-B	R	H	835 mm	415 mm	FRAZ/SECT.
			0,6	140,0	10863061	10863062	10863068
			-	-	-	-	-
			-	-	-	-	-
			KG		11,0	5,50	11,0
			Price				

PUNZON 26°

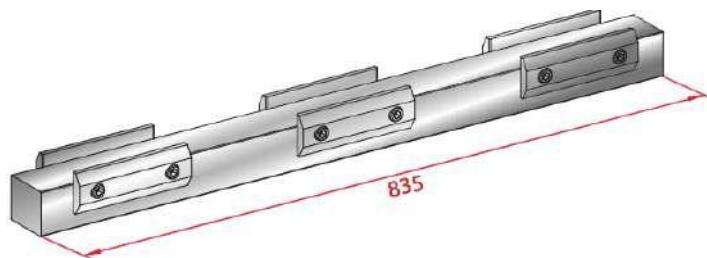
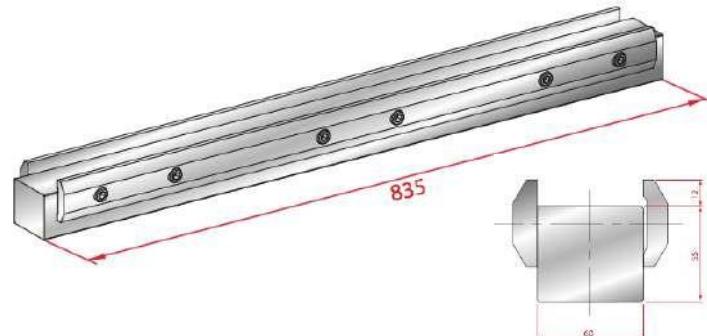
26°	100T/m	C45	R	H	835 mm	415 mm	FRAZ/SECT.
			1mm	117,0	103326B1	103326B2	103326B8
			-	-	-	-	-
			-	-	-	-	-
			KG		13,0	6,5	13,0
			Price				
26°	100T/m	C45	R	H	835 mm	415 mm	FRAZ/SECT.
			0,8	117,0	11782681	11782682	11782688
			Price				
			3	117,0	11922631	11922632	11922638
			Price				
			-	-	-	-	-
			-		-	-	-
			KG		15,9	7,9	14,6
26°	100T/m	42CrMo	R	H	835 mm	415 mm	FRAZ/SECT.
			0,8	145,0	13112681	13112682	13112688
			-	-	-	-	-
			-	-	-	-	-
			KG		14,5	7,2	14,5
			Price				

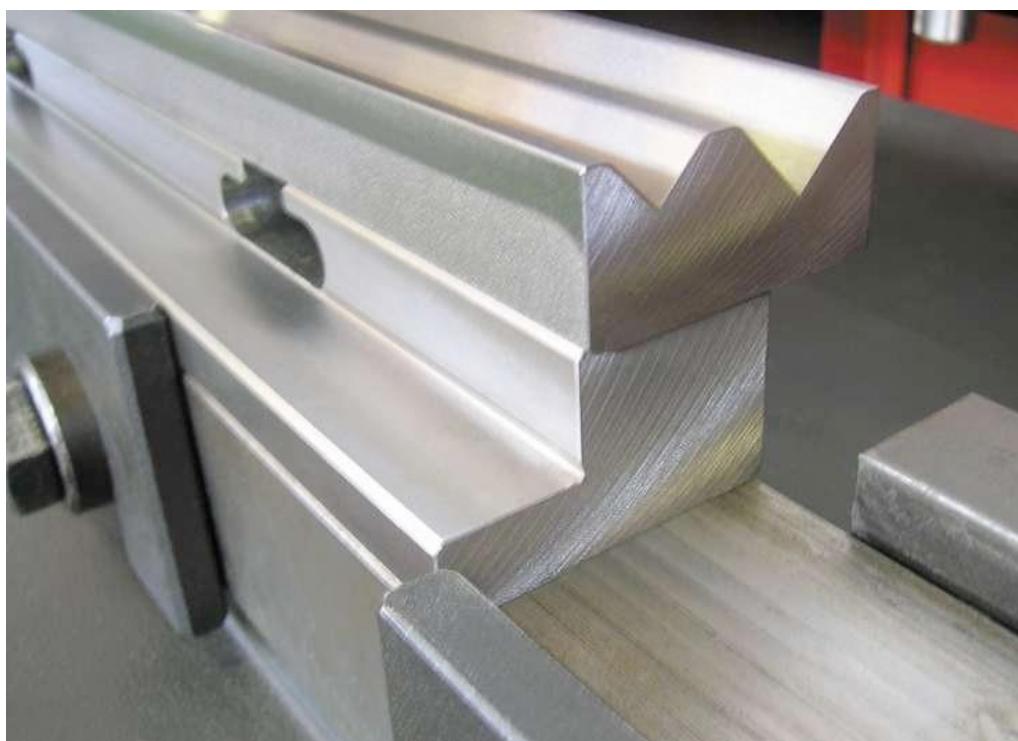
AMADA – PROMECAM

Matrices

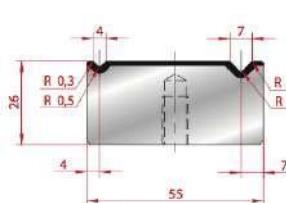
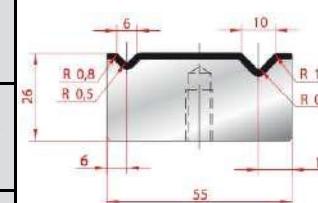
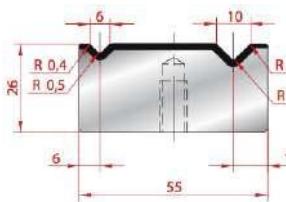
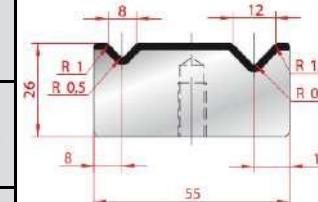
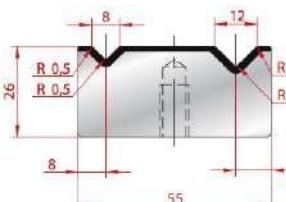
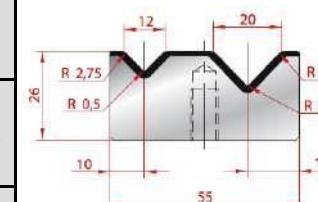
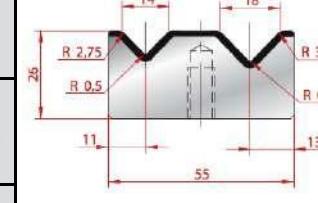
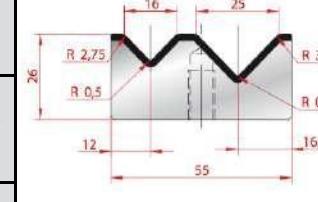


ADAPTADOR DE MESA

	415 mm	835 mm	
SOTOMESA CON BRIDAS ESTÁNDAR	40330552	40330551	
	KG	11,0	22,0
			
BRIDA L=150			
Ant	Post		
4016	4034		
	415 mm	835 mm	
SOTOMESA CON BRIDA CORRIDA	40500552	40500551	
	KG	14,0	28,0
			
BRIDA L=800			
Ant	Post		
4040	4041		
BRIDA L=400			
4040-S	4041-S		



90° - 88°
MATRIZ 2V C45

COD.	Price	90° V 4 - 7 100 T/m	COD.	Price	88° V 6 - 10 100 T/m
201090991 835 mm-Kg.9,0			204688991 835 mm-Kg.9,0		
201090992 415 mm-Kg. 4			204688992 415 mm-Kg. 4,5		
-	-		-	-	
COD.	Price	90° V 6 - 10 100 T/m	COD.	Price	88° V 8 - 12 100 T/m
201190991 835 mm-Kg.9,0			204188991 835 mm-Kg.9,0		
201090992 415 mm-Kg. 4			204188992 415 mm-Kg. 4,5		
-	-		-	-	
COD.	Price	90° V 8 - 12 100 T/m	COD.	Price	88° V 12 - 20 100 T/m
201290991 835 mm-Kg.9,0			201388991 835 mm-Kg.9,0		
201290992 415 mm-Kg. 4			201388992 415 mm-Kg. 4,5		
-	-		-	-	
COD.	Price		COD.	Price	88° V 14 - 18 100 T/m
			203288991 835 mm-Kg.9,0		
			203288992 415 mm-Kg. 4,5		
			-	-	
COD.	Price		COD.	Price	88° V 16 - 25 100 T/m
			201488991 835 mm-Kg.8,0		
			201488992 415 mm-Kg. 4		
			-	-	

60° - 30°

MATRIZ 2V C45

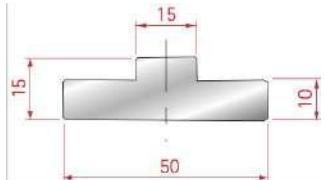
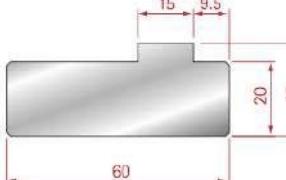
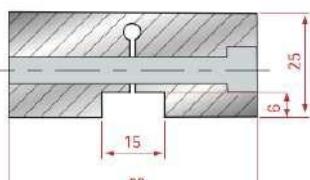
COD.	Price	60° V 6 - 10 60 T/m	COD.	Price	60° V 8 - 12 60 T/m
201560991 835 mm-Kg.8			201660991 835 mm-Kg.8		
201560992 415 mm-Kg. 4			201660992 415 mm-Kg. 4		
-	-		-	-	
COD.	Price	60° V 12 - 20 60 T/m	COD.	Price	60° V 16 - 20 60 T/m
203360991 835 mm-Kg.8			201760991 835 mm-Kg.8		
203360992 415 mm-Kg. 4			201760992 415 mm-Kg. 4		
-	-		-	-	
COD.	Price	30° V 8 - 12 40 T/M	COD.	Price	
204730991 835 mm-Kg.13					
204730992 415 mm-Kg. 6,5					
-	-				
COD.	Price	Supporto H=34	COD.	Price	Supporto H=39
20180341 835 mm - kg. 9			20390391 835 mm - kg. 12		
20180342 415 mm - kg. 4,5			20390392 415 mm-Kg. 6		
-	-		-	-	
COD.	Price	Supporto H=55	COD.	Price	Supporto H=75
20190551 835 mm-Kg.15,0			20350751 835 mm-Kg.19,0		
20190552 415 mm-Kg. 7,5			20190752 415 mm-Kg. 9,0		
-	-		-	-	

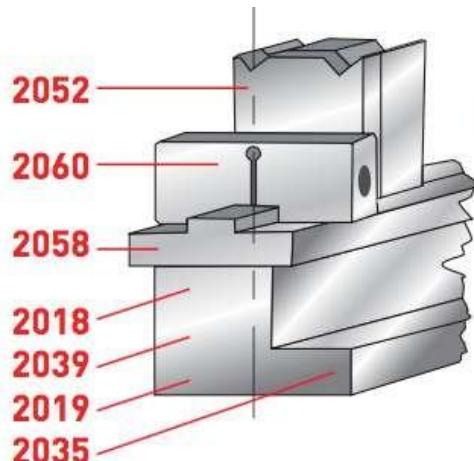
90°-88°30°

MATRIZ 2V REVERSIBLE

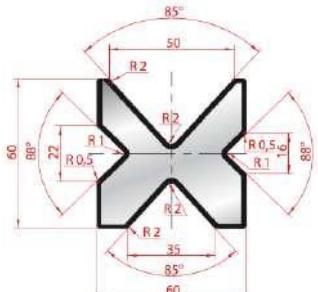
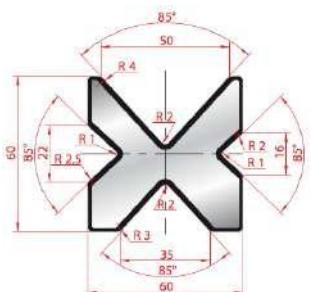
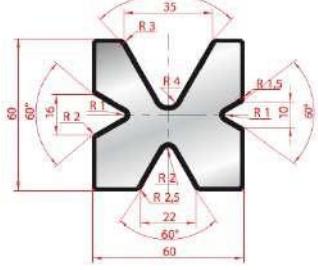
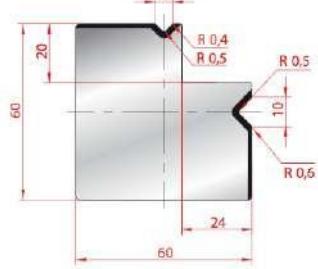
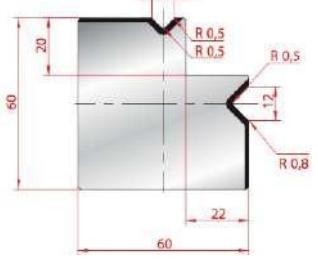
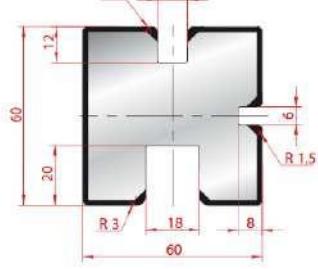
COD.	Price	90° V 4 - 7 80 T/m	COD.	Price	88° V 14 - 18 80 T/m
204890991 835 mm-Kg.9			205388991 835 mm-Kg.12		
204890992 415 mm-Kg. 4,5			205388992 415 mm-Kg. 6		
204890998 805F mm-Kg. 9			205388998 805F mm-Kg. 12		
COD.	Price	90° V 6 - 10 80 T/m	COD.	Price	88° V 12 - 20 80 T/m
204990991 835 mm-Kg.10			205488991 835 mm-Kg.12		
204990992 415 mm-Kg. 5			205488992 415 mm-Kg. 6		
204990998 805F mm-Kg. 10			205488998 805F mm-Kg. 12		
COD.	Price	90° V 8 - 12 80 T/m	COD.	Price	88° V 16 - 25 80 T/m
205190991 835 mm-Kg.11			205588991 835 mm-Kg.13		
205190992 415 mm-Kg. 5,5			205588992 415 mm-Kg. 6,5		
205190998 805F mm-Kg. 11			205588998 805F mm-Kg. 13		
COD.	Price	88° V 6 - 10 80 T/m	COD.	Price	30° V 6 - 10 40 T/m
205088991 835 mm-Kg.10			205730991 835 mm-Kg.13		
205088992 415 mm-Kg. 5,5			205730992 415 mm-Kg. 6,5		
205088998 805F mm-Kg. 10			205730998 805F mm-Kg. 13		
COD.	Price	88° V 8 - 12 80 T/m	COD.	Price	30° V 8 - 12 40 T/m
205288991 835 mm-Kg.11			205630991 835 mm-Kg.13		
205288992 415 mm-Kg. 5,5			205630992 415 mm-Kg. 6,5		
205288998 805F mm-Kg. 11			205630998 805F mm-Kg. 13		

MATRIZ 2V REVERSIBLE

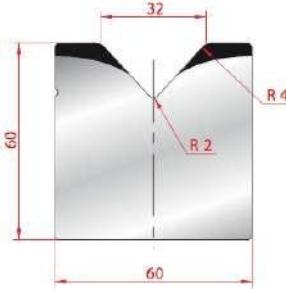
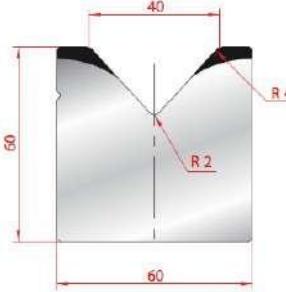
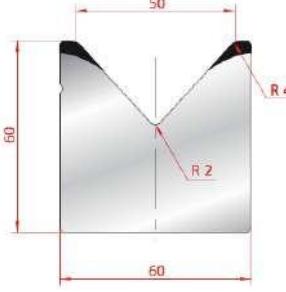
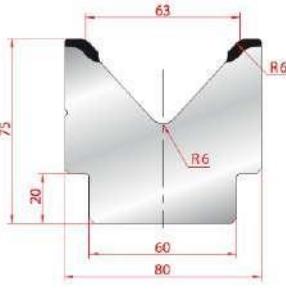
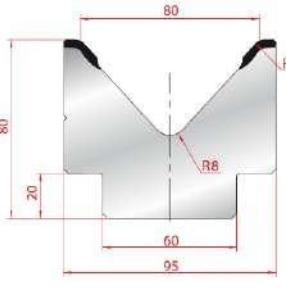
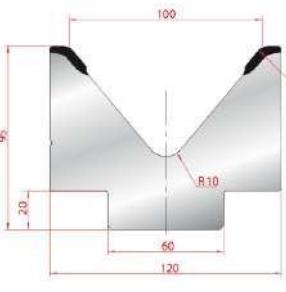
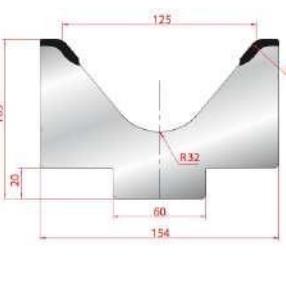
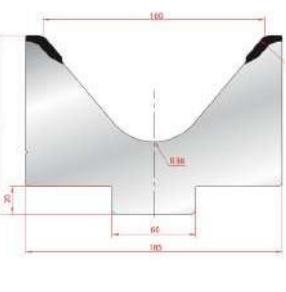
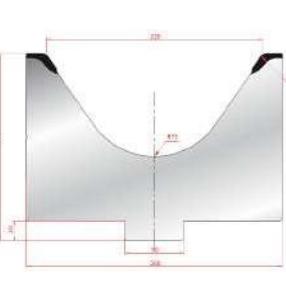
COD.	Price	SUPPORTO/HOLDER H=10	COD.	Price	SUPPORTO/HOLDER
20580101 835 mm-Kg.4			20590201 835 mm-Kg.8		
20580101 415 mm-Kg. 2			20590202 415 mm-Kg. 4		
COD.	Price	FERMO/FIXED BAR	COD.	Price	
					
2060000					
COD.	Price		COD.	Price	



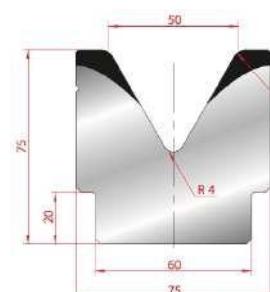
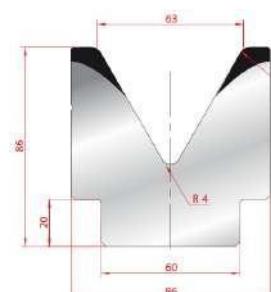
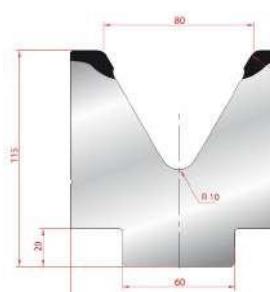
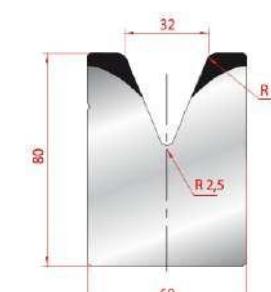
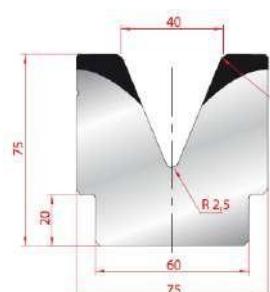
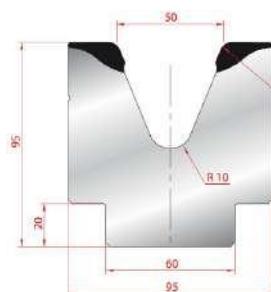
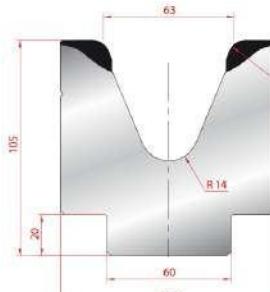
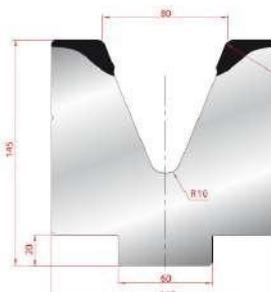
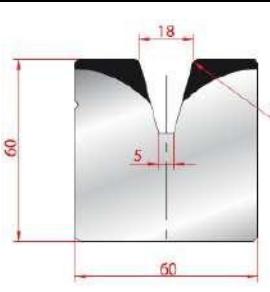
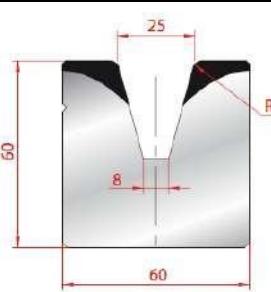
MATRIZ 4V - 2VL - 3U, C45

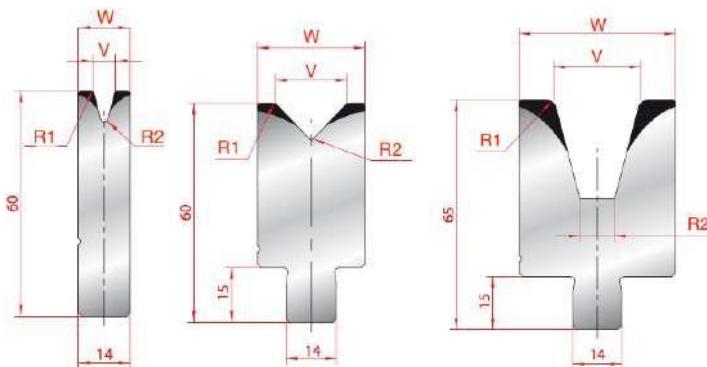
COD.	Price	85°-88° 80 T/mt	COD.	Price	85° 80 T/mt
203085991 835 mm-Kg.16			206785991 835 mm-Kg. 16		
203085992 415 mm-Kg. 8			206785992 415 mm-Kg. 8		
203085998 805F mm-Kg. 16			206785998 805F mm-Kg. 16		
COD.	Price	60° 60 T/mt	COD.	Price	
203460991 835 mm-Kg.18					
203460992 415 mm-Kg. 9					
206460998 805F mm-Kg. 18					
COD.	Price	90° V6-V10 80 T/mt	COD.	Price	90° V8-V12 80 T/mt
202890991 835 mm-Kg. 20			202990991 835 mm-Kg. 20		
202890992 415 mm-Kg. 10			202990992 415 mm-Kg. 10		
202890998 805F mm-Kg. 20			202990998 805F mm-Kg. 20		
COD.	Price	3U 6-10-18 100 T/mt	COD.	Price	
2031000U1 835 mm-Kg. 20					
2031000U2 415 mm-Kg. 10					
2031000U8 805F mm-Kg. 20					

MATRIZ 1V GRANDE**85°-80°-70°****1V HEAVY DUTY DIES**

COD.	Price	85° V32 100 T/MT	COD.	Price	85° V40 100 T/MT
202085321 835 mm-Kg. 22	140.00		202185401 835 mm-Kg. 21	140.00	
202085322 415 mm-Kg. 11	80.00		202185402 415 mm-Kg. 10	80.00	
202085328 805F - Kg. 22	140.00		202185408 805F - Kg. 21	140.00	
COD.	Price	85° V50 80 T/MT	COD.	Price	85° V63 100 T/MT
202285501 835 mm-Kg. 19	140.00		202385631 835 mm-Kg. 28,5	140.00	
202285502 415 mm-Kg. 9,5	80.00		202385632 415 mm-Kg. 15	80.00	
202285508 805F - Kg. 19	140.00		202385638 805F - Kg. 28,5	140.00	
COD.	Price	85° V80 100 T/MT	COD.	Price	80° V120 100 T/MT
202485801 835 mm-Kg. 38	140.00		202580001 835 mm-Kg. 50	140.00	
202485802 415 mm-Kg. 19	80.00		202580002 415 mm-Kg. 25	80.00	
202485808 805F - Kg. 38	140.00		202580008 805F - Kg. 50	140.00	
COD.	Price	80° V125 120 T/MT	COD.	Price	80° V160 120 T/MT
202680951 835 mm-Kg. 70	140.00		202780961 835 mm-Kg. 91	140.00	
202680952 415 mm-Kg. 35	80.00		202780962 415 mm-Kg. 51	80.00	
202680958 805F - Kg. 70	140.00		202780968 805F - Kg. 91	140.00	
COD.	Price	70° V220 200 T/MT	COD.	Price	
729070976 505 mm-Kg. 119	140.00				
C45 - B					

MATRIZ 1V GRANDE**60°-45°-30°****1V HEAVY DUTY DIES**

COD.	Price	60° V50 100 T/MT	COD.	Price	60° V63 100 T/MT
208260501 835 mm-Kg. 28			208360631 835 mm-Kg. 34		
208260502 415 mm-Kg. 14			208360632 415 mm-Kg. 17		
208260508 805F - Kg. 28			208360638 805F - Kg. 34		
COD.	Price	60° V80 100 T/MT	COD.	Price	45° V32 100 T/MT
208960801 835 mm-Kg. 60			208845321 835 mm-Kg. 28		
208960802 415 mm-Kg. 30			208845322 415 mm-Kg. 14		
208960808 805F - Kg. 60			208845328 805F - Kg. 28		
COD.	Price	45° V40 100 T/MT	COD.	Price	45° V50 100 T/MT
208145401 835 mm-Kg. 33			211845501 835 mm-Kg. 34		
208145402 415 mm-Kg. 16			211845502 415 mm-Kg. 17		
208145408 805F - Kg. 33			211845508 805F - Kg. 34		
COD.	Price	45° V63 100 T/MT	COD.	Price	45° V80 100 T/MT
211745631 835 mm-Kg. 36			208445801 835 mm-Kg. 102		
211745632 415 mm-Kg. 18			208445802 415 mm-Kg. 51		
211745638 805F - Kg. 36			208445808 805F - Kg. 102		
COD.	Price	30° V18 100 T/MT	COD.	Price	30° V25 100 T/MT
208630181 835 mm-Kg. 22			208730251 835 mm-Kg. 23		
208630182 415 mm-Kg. 11			208730252 415 mm-Kg. 11		
208630188 805F - Kg. 22			208730258 805F - Kg. 23		

MATRIZ INSERTABLE C45


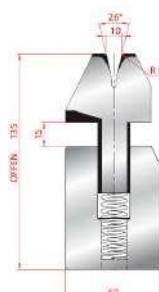
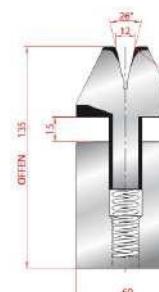
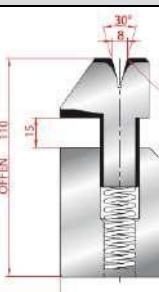
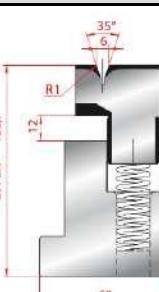
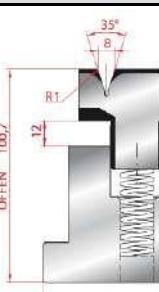
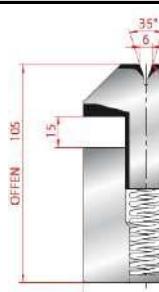
α	V	W	R1	R2	T/m	835 mm.			415 mm.			FRAZ / SECT.		
						Code	Price	KG.	Code	Price	KG.	Code	Price	KG.
30°	6	14	0,6	1	35	316630061		5,0	316630062		2,0	316630068		5,0
30°	8	18	0,8	2	35	316730081		6,0	316730082		3,0	316730088		6,0
30°	10	24	1,0	2	50	316830101		8,0	316830102		4,0	316830108		8,0
30°	12	24	1,5	2	50	316930121		7,0	316930122		3,0	316930128		7,0
30°	16	30	2,0	5	50	317030161		9,0	317030162		4,0	317030168		9,0
30°	20	35	2,5	5	55	317130201		9,0	317130202		4,0	317130208		9,0
30°	25	45	3,0	10	55	317230251		13,0	317230252		6,0	317230258		13,0
60°	6	14	0,6	0,7	100	319360061		5,4	319360062		2,7	319360068		5,4
60°	8	14	0,8	0,7	100	319460081		5,4	319460082		2,7	319460088		5,4
60°	10	18	1,0	0,7	100	319560101		6,4	319560102		3,2	319560108		6,4
60°	12	18	1,2	0,7	100	319660121		6,2	319660122		3,1	319660128		6,2
60°	16	24	1,6	0,7	100	319760161		7,7	319760162		3,9	319760168		7,7
60°	20	30	2,0	0,7	100	319860201		9,0	319860202		4,5	319860208		9,0
60°	25	35	2,5	0,7	100	319960251		10,0	319960252		5,0	319960258		10,0
88°	4	14	0,6	0,5	100	315888041		5,0	315888042		2,0	315888048		5,0
88°	6	14	0,8	0,5	100	315988061		5,0	315988062		2,0	315988068		5,0
88°	8	14	1,0	0,5	100	316088081		5,0	316088082		2,0	316088088		5,0
88°	10	18	1,2	0,5	100	316188101		6,0	316188102		3,0	316188108		6,0
88°	12	18	1,5	0,5	100	316288121		6,0	316288122		3,0	316288128		6,0
88°	16	24	2,0	0,5	100	316388161		8,0	316388162		4,0	316388168		8,0
88°	20	30	2,0	0,5	100	316488201		9,0	316488202		4,0	316488208		9,0
88°	25	35	3,0	0,5	100	316588251		10,0	316588252		5,0	316588258		10,0

COD.	Price	SOPORTE	COD.	Price	SOPORTE
31730001 835 mm-Kg. 17			SM000092 450 mm		
31730002 415 mm-Kg. 8,5			SM000091 1050 mm		

COD.	Price	SOPORTE
SM000093 1050 mm		



PLEGAR Y APLASTAR

COD.	Price	26° V10 100 T/MT	COD.	Price	26° V12 100 T/MT
303826101 835 mm-Kg. 42			304026121 835 mm-Kg. 42		
303826102 415 mm-Kg. 21			304026122 415 mm-Kg. 21		
COD.	Price	30° V8 80 T/MT	COD.	Price	
304130081 835 mm-Kg. 34					
304130082 415 mm-Kg. 17					
COD.	Price	35° V6 60 T/MT	COD.	Price	35° V8 60 T/MT
303735061 835 mm-Kg. 34			303735081 835 mm-Kg. 34		
303735062 415 mm-Kg. 17			303735082 415 mm-Kg. 17		
COD.	Price	35° V6 80 T/MT	COD.	Price	
303935061 835 mm-Kg. 32					
303935062 415 mm-Kg. 16					

NOTA: LAS BASES DE PLEGAR Y APLASTAR SON DE ACERO C45

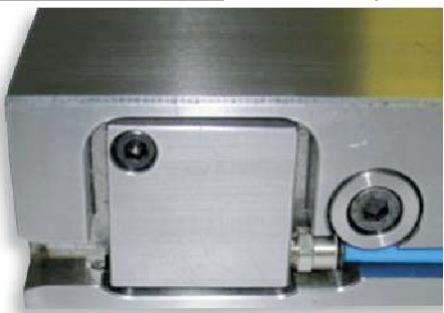
Sheet Thickness Spessore foglio	Mild Steel/acciaio dolce (400N/mm ²)			Stainless Steel/Inox (600 N/mm ²)		
	C [mm]	Tonnellaggio [Ton/m]	Tonnellaggio [Ton/m]	C [mm]	Tonnellaggio [Ton/m]	Tonnellaggio [Ton/m]
0,6	3	9	23	3	15	35
0,8	3	12	32	3	20	50
1	3,5	15	40	3,5	25	60
1,25	3,5	17	50	3,5	26	80
1,5	4,6	22	63	3,5	38	95
2	5,5	30	80	5,5	50	130
2,5	6,5	55	90	6,5	60	180
3	8	70	100	8	100	210

PLEGAR Y APLASTAR NEUMÁTICA

COD.	V	A	R	H open/close	Max T/M	Price	Price
						L=835	L=415
9MA3038PN...	10	26°	1,5	135/120	100		
9MA3039PN...	6	35°	1	105/90	80		
9MA3040PN...	12	26°	3	135/120	100		
9MA3041PN...	8	30°	1,5	110/90	80		



KIT PNEUMATICO



COD. 43130000



*Selección de la pareja matriz/punzón
según el espesor de la chapa*

Spess. Massimo Max. Thickness	Matrice/Die	°	V	T/mt	Punzón/Punch	°	R	T/mt
15/10 - 25/10	303826101/2	26°	10	100	10332681/2	26°	P=1	100
15/10 - 30/10	304026121/2	26°	12	100				
15/10	304130081/2	30°	8	80	10553071/2	30°	0,5	50
10/10	303935061/2	35°	6	80	10343581/2	35°	0,8	70
10/10	303735061/2	35°	6	60	10473581/2	35°	0,8	70
12/10	303735081/2	35°	8	60		35°	0,7	70

PLEGAR Y APLASTAR

L	COD.	Price
835	11952861	
415	11952862	
805F	11952868	

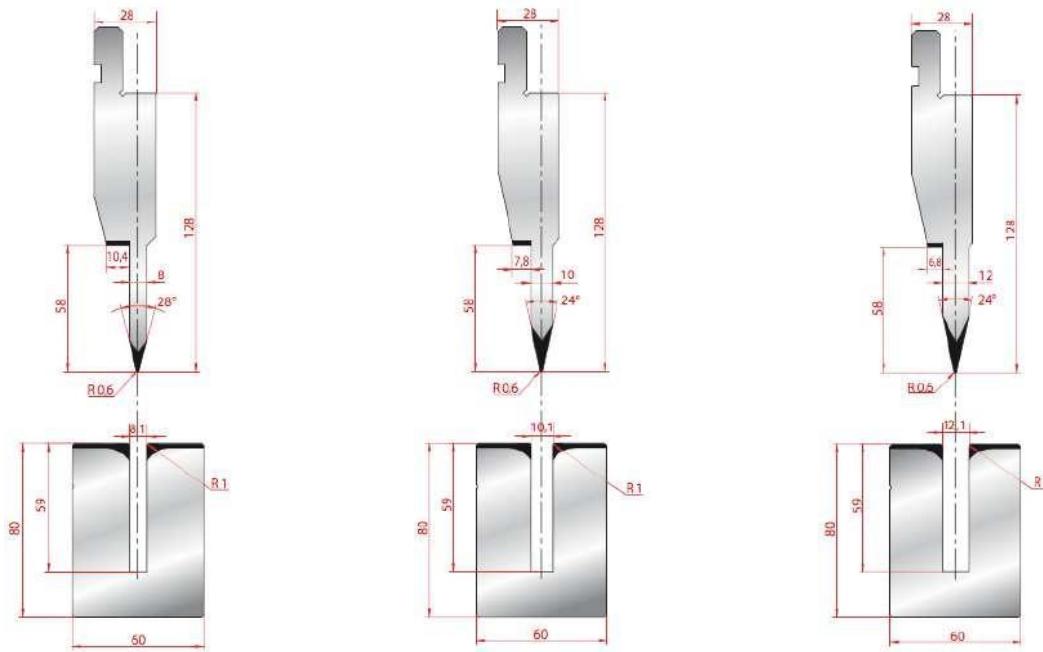
max. 80 T/mt *

L	COD.	Price
835	11962461	
415	11962462	
805F	11962468	

max. 80 T/mt *

L	COD.	Price
835	11972461	
415	11972462	
805F	11972468	

max. 80 T/mt *



L	COD.	Price
835	31760U0U1	
415	31760U0U2	
805F	31760U0U8	

max. 50 T/mt *

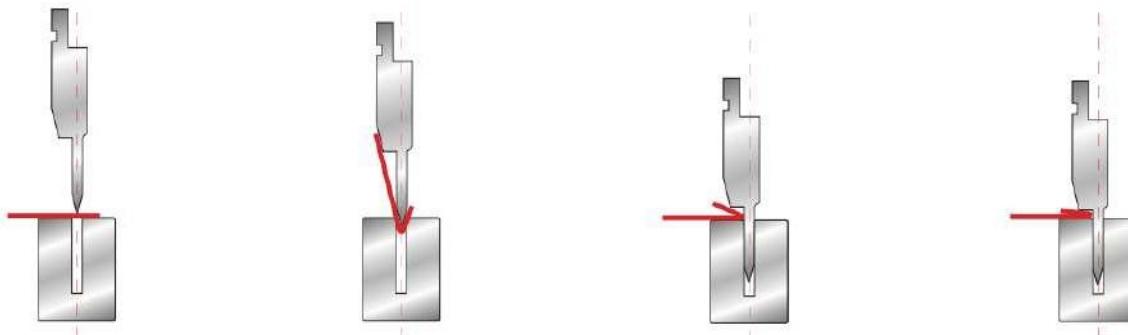
L	COD.	Price
835	31770U0U1	
415	31770U0U2	
805F	31770U0U8	

max. 50 T/mt *

L	COD.	Price
835	31780U0U1	
415	31780U0U2	
805F	31780U0U8	

max. 50 T/mt *

*Para aplastar considerar 100 tns/mt



Útiles construidos en acero C45

CONTENEDORES MATERIALES DE NYLON

COD.	Price	SUPPORTO/HOLDER	COD.	Price	SUPPORTO/HOLDER
2109001 835 mm			21100001 835 mm		
2109002 415 mm			2110002 415 mm		
-	-		-	-	
COD.	Price	SUPPORTO/HOLDER			
21110001 835 mm					
21110002 415 mm					
-	-				
COD.	Price	SUPPORTO/HOLDER H=50			SUPPORTO/HOLDER H=95
21150001 835 mm			21160001 835 mm		
21150002 415 mm			21160002 415 mm		
-			-		

MATRIZ NYLON
NYLON DIE

	A	V	88°	6	8	10		88°	6	8	10	12	16	
			60°	6	8	10		60°	6	8	10	12	16	
			45°	6	8	10		45°	6	8	10	12		
			30°	6	8			30°	6	8	10			
COD.	21120001							COD.	21130001					
	21120002								21130002					
	A	V	88°	6	8	10	12	16	20	25				
			60°	6	8	10	12	16	20					
			45°	6	8	10	12	16	20					
			30°	6	8	10	12	16						
COD.	21140001													
	21140002													



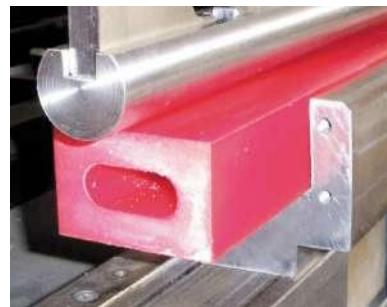
CONTENEDORES Y MATRICES DE POLIURETANO

835	415	835	415	835	415
20360001	20360002	21010001	21010002	21050001	21050002

835	415	835	415	835	415
20370001	20370002	21020001	21020002	21060001	21060002

835	415	835	415	835	415
20380001	20380002	21030001	21030002	21070001	21070002

835	415	835	415	835	415
20400001	20400002	21040001	21040002	21080001	21080002



NOTAS

HERRAMIENTA TIPO WILA - TRUMPF

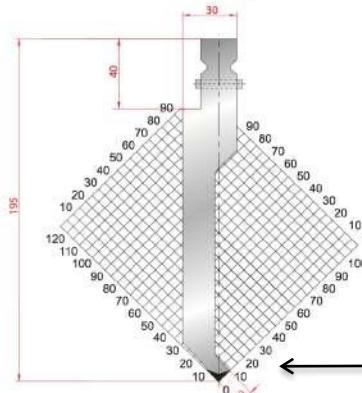
WILA - TRUMPF STYLE TOOLS

USO DEL CATÁLOGO

Tenga en cuenta lo siguiente para una consulta adecuada:

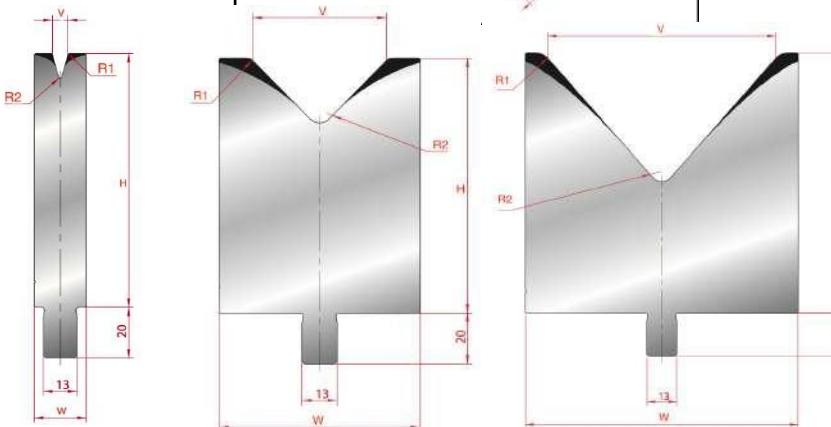
PUNZÓN

L	Kg	Cod.	Price	86°	H=157	R1	65 T/m	42Cr
500	15	12358684						
300	9	12358686						
200	6	12358687						
100	3	12358689						
550 F	16,5	12358688						
H. R	3							
H. L	3							



H.R & H.L = Bigornias dcha e izq

MATRICES



α	V	W	R1	R2	H	T/m	Code	L	Price	Kg	Code	L	Price
								500				100	
								300				FR	

↑ 1 ↑ 10 ↑ 12 ↑ 9 ↑ 11 ↑ 2 ↑ 5 ↑ 6 ↑ 8

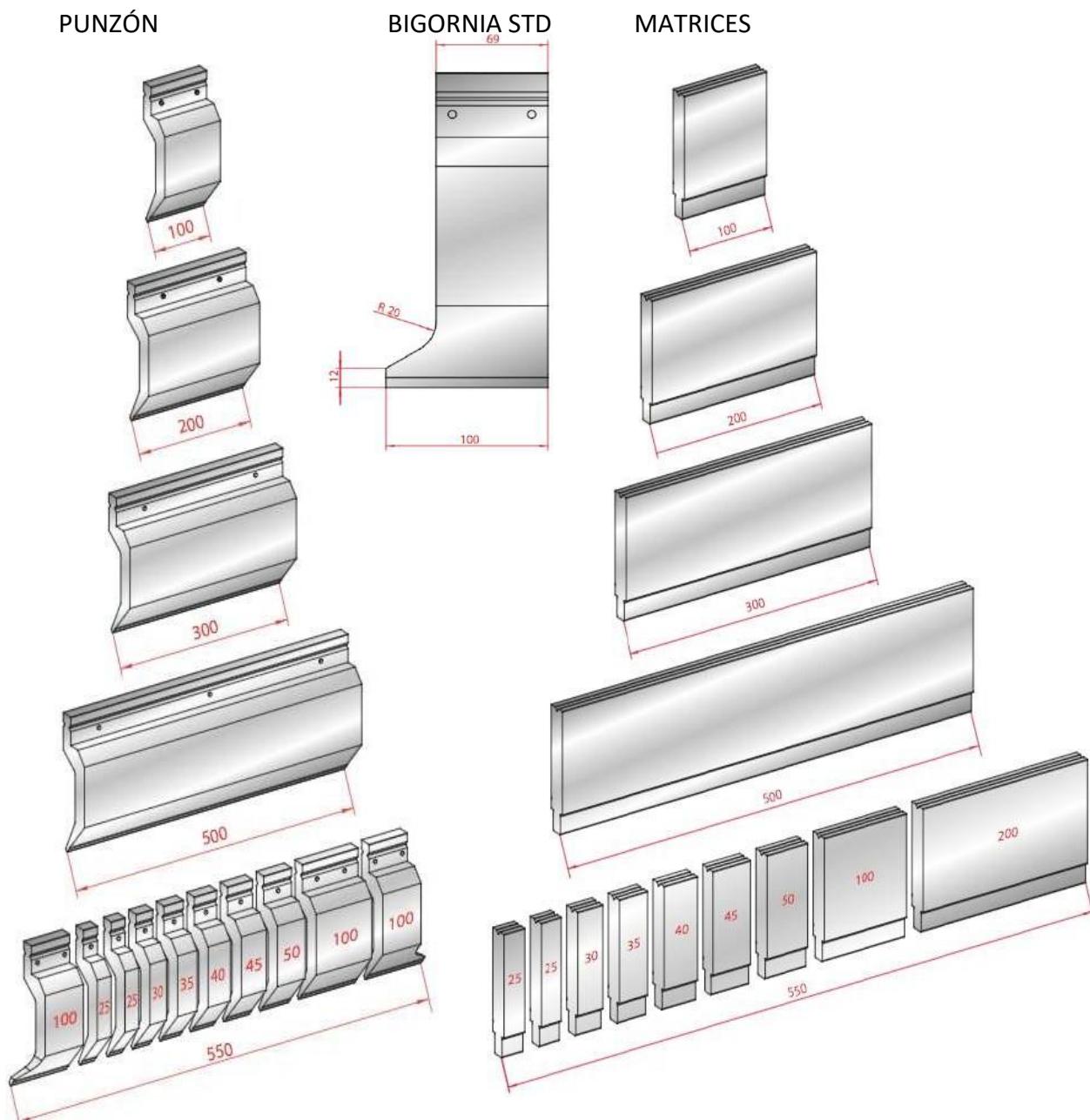
1. AMPLITUD DEL ÁNGULO DEL PUNZÓN/MATRIZ EN GRADOS
2. CAPACIDAD (Toneladas x 1 metro)
3. RADIO DEL PUNZÓN
4. ALTURA DE LA HERRAMIENTA (VARÍA EN FUNCIÓN DEL RADIO)
5. CÓDIGO DE PEDIDO
6. LONGITUD DE LA HERRAMIENTA FRACCIONADA
7. GROSOR DEL PUNZÓN
8. PESO DE LA HERRAMIENTA
9. RADIO BORDES DE LA V EN LA MATRIZ
10. ANCHURA DE LA V
11. RADIO DEL FONDO DE LA MATRIZ
12. ANCHURA DE LA MATRIZ
13. BIGORNIA DERECHA O IZQUIERDA

FRACTONADO ESTÁNDAR

Este tipo de utilaje se puede utilizar en las plegadoras TRUMPF y en todas las prensas plegadoras que utilizan amarre WILA.

Longitudes estándar: mm

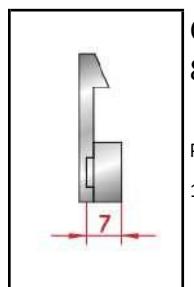
500 – 300 – 200 – 100 - 550 FCC



MODIFICACIONES BAJO PEDIDO

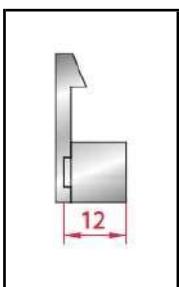
- Bigornias especiales
- Fraccionados especiales
- Modificación de radios y ángulos
- Modificación del cuerpo matriz

SAFETY BUTTON



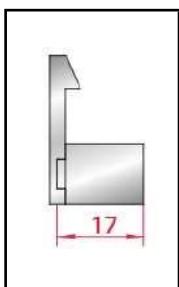
Cod.
82110000

Punzone-Punch
1237 - 1240



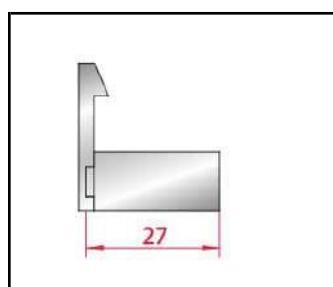
Cod.
82180000

Punzone-Punch
1238 - 1249
1250 - 1251
1313



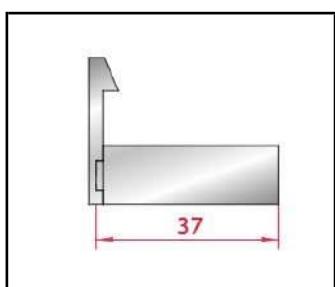
Cod.
82120000

Punzone-Punch
1234 - 1235



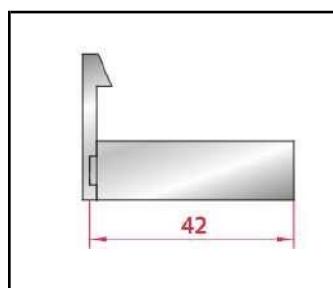
Cod.
82130000

Punzone-Punch
1295 - 1302
1303 - 1308
4361



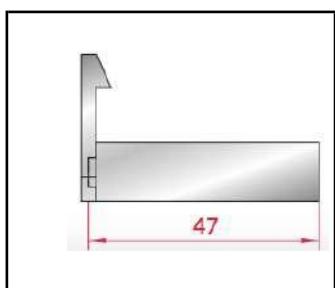
Cod.
82140000

Punzone-Punch
1233 - 1314



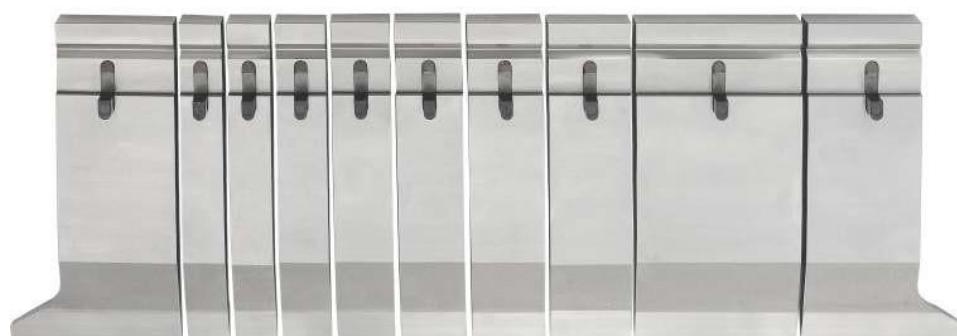
Cod.
82150000

Punzone-Punch
1236



Cod.
82160000

Punzone-Punch
1294



WILA - TRUMPF

Punzones



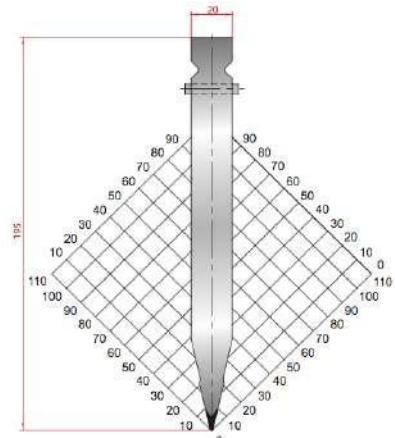
PUNZONES 26°

ESPINA FIJA

L	Kg	Cod.	Price
500	13,5	13162684	
300	8,1	13162686	
200	5,4	13162687	
100	2,7	13162689	
550 F	14,9	13162688	
H. R	2,7	1316268R	
H. L	2,7	1316268L	

SAFETY BUTTON

Cod.	Price	26° H=195 R 0,8 100 T/m 42Cr
13162684-S		
13162686-S		
13162687-S		
13162689-S		
13162688-S		
1316268R-S		
1316268L-S		



WILA - TRUMPF

Matrici - Dies



PLEGADO Y APLASTADO

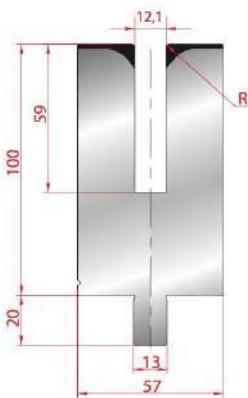
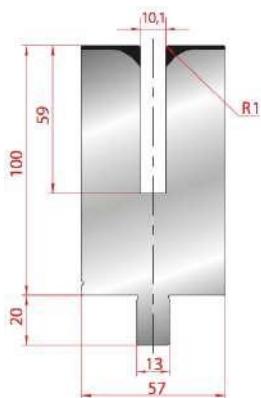
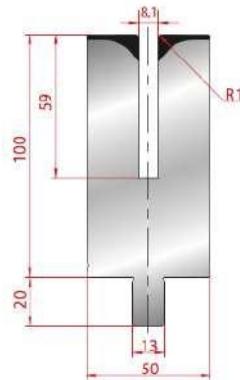
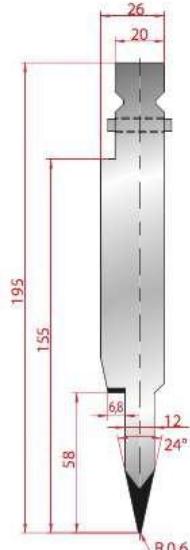
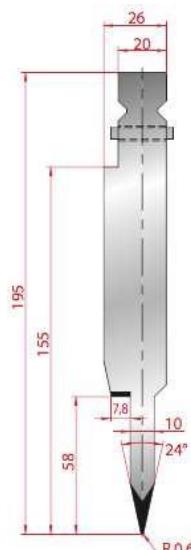
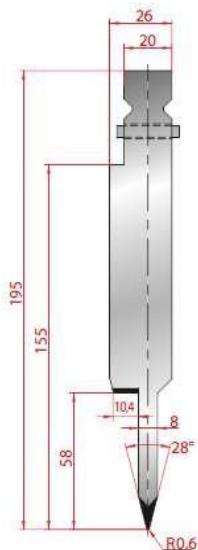
L	COD.	Price
500	12492864	
550F	12492868	

Max. 80T/m

L	COD.	Price
500	12502464	
550F	12502468	

Max. 50T/m

L	COD.	Price
500	12512464	
550F	12512468	

Max. 50T/m

Max. 50T/m

L	COD.	Price
500	31572864	
550F	31572868	

Max. 50T/m

L	COD.	Price
500	31742464	
550F	31742468	

Max. 50T/m

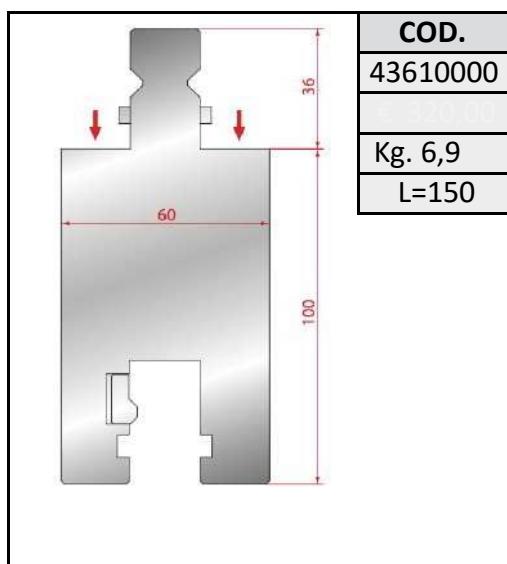
L	COD.	Price
500	31752464	
550F	31752668	

NOTAS

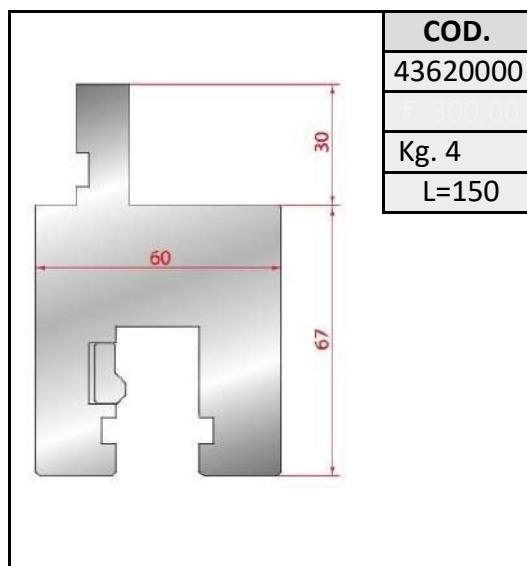
Accesorios

Accessories

EXTENSIÓN TRUMPF



ADAPTADOR AMADA-TRUMP



PROTECCIÓN ANTI MARCAS

	COD. 4308M30	COD. 4314M30		COD. 43090000 (coppia/pair)
	Mt.30 H=100 T=0,5	Mt.30 H=100 T=0,8		

TENSOR

ESCUADRA GUIADO CHAPA

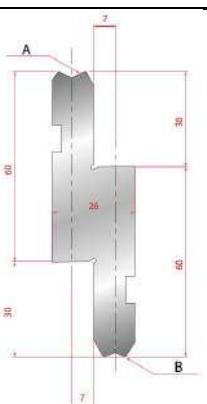
Cod.	5535V0263 larga)		Cod.	5535V0263 (corta)	
Art.	Escuadra para matriz fija a 90º		Art.	Escuadra para matriz, fija a 90º	
Precio	***		Precio	***	
Nota	Per matrici da 60 a 90 mm		Nota	Para matrices de base 60 mm	

Cod.	5535V0265 (60 mm)		Cod.	5535V0265 (90 mm)	
Art.	Escuadra goniométrica Ajustable a grados		Art.	Escuadra goniométrica Ajustable a grados	
Price	***		Price	***	
Note	Para matrices con base 60 mm		Note	Para matrices con base 60 a 90 mm	

INSERTOS PUNZÓN PARA RADIOS

C45

DE :	Radius mm.	L=835	L=415
		COD.	COD.
	3	11800301	11800302
	3,5	11810351	11810352
	4	11820401	11820402
	4,5	11830451	11830452
A :	5	11840501	11840502
	5,5	11850551	11850552
	6	11860601	11860602
	6,5	11870651	11870652

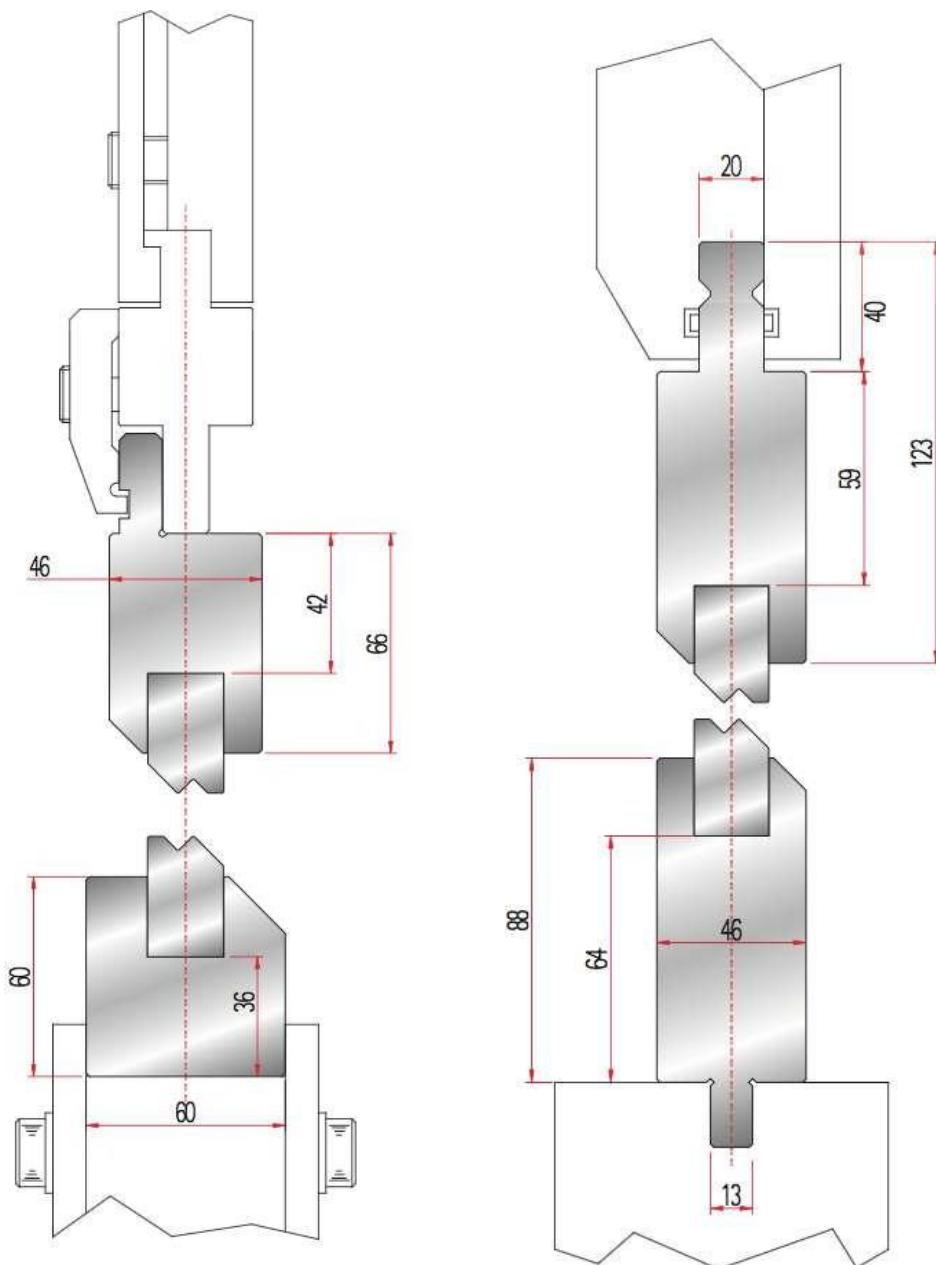
	L=835	L=415	
COD.	11550001	11550002	
Kg.	9,00	4,00	
Pos. A R= 3 - 3,5 - 4 - 4,5			
Pos. B R= 5 - 5,5 - 6 - 6,5			

GRUPPO MOLLA	
SPRING SET	
COD.	42750000

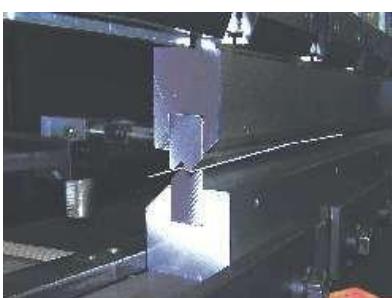


SOPORTES PUNZÓN PARA RADIOS INSERTABLES

	<table border="1"> <thead> <tr> <th></th> <th>L=830</th> <th>L=410</th> </tr> </thead> <tbody> <tr> <td>COD.</td> <td>10360671</td> <td>10360672</td> </tr> <tr> <td>Kg.</td> <td>10,00</td> <td>5,00</td> </tr> <tr> <td></td> <td>€ 12,00</td> <td>€ 10,00</td> </tr> </tbody> </table>		L=830	L=410	COD.	10360671	10360672	Kg.	10,00	5,00		€ 12,00	€ 10,00				
	L=830	L=410															
COD.	10360671	10360672															
Kg.	10,00	5,00															
	€ 12,00	€ 10,00															
	<table border="1"> <thead> <tr> <th></th> <th>L=830</th> <th>L=410</th> </tr> </thead> <tbody> <tr> <td>COD.</td> <td>10961001</td> <td>10961002</td> </tr> <tr> <td>Kg.</td> <td>13,00</td> <td>6,00</td> </tr> <tr> <td></td> <td>€ 20,00</td> <td>€ 10,00</td> </tr> </tbody> </table>		L=830	L=410	COD.	10961001	10961002	Kg.	13,00	6,00		€ 20,00	€ 10,00				
	L=830	L=410															
COD.	10961001	10961002															
Kg.	13,00	6,00															
	€ 20,00	€ 10,00															
	<table border="1"> <thead> <tr> <th></th> <th>L=830</th> <th>L=410</th> </tr> </thead> <tbody> <tr> <td>COD.</td> <td>10910871</td> <td>10910872</td> </tr> <tr> <td>Kg.</td> <td>16,00</td> <td>8,00</td> </tr> <tr> <td></td> <td>€ 24,00</td> <td>€ 12,00</td> </tr> </tbody> </table>		L=830	L=410	COD.	10910871	10910872	Kg.	16,00	8,00		€ 24,00	€ 12,00				
	L=830	L=410															
COD.	10910871	10910872															
Kg.	16,00	8,00															
	€ 24,00	€ 12,00															
	<p>Cod. 1296 - d. 3 – 4,5</p> <table border="1"> <thead> <tr> <th></th> <th>835</th> <th>415</th> </tr> </thead> <tbody> <tr> <td>COD.</td> <td>12960001</td> <td>12960002</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>COD.</td> <td>12970001</td> <td>12970002</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>		835	415	COD.	12960001	12960002				COD.	12970001	12970002				
	835	415															
COD.	12960001	12960002															
COD.	12970001	12970002															

CONTENEDOR PARA INSERTOS "Z"


AMARRE	835 mm.			415 mm.		
	Code	Price	KG.	Code	Price	KG.
AMADA	11500001		38,5	11500002		19,2
TRUMPF	12420001		40,0	12420002		20,0



SISTEMA ACTIVE BEND



Active Bend garantiza un rendimiento que las matrices estándar no permiten:

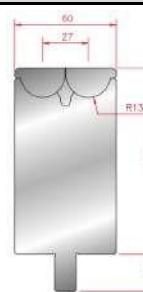
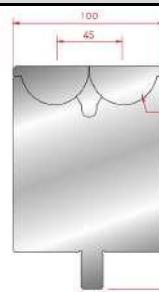
- pliegues de hasta 40°
- Alas de plegado mínimas muy reducidas
- plegado de chapas perforadas sin deformación (rechuve) en los agujeros cercanos a la línea de plegado.
- Plegado sin marcas

ACTIVE BEND - AMADA PROMECAM

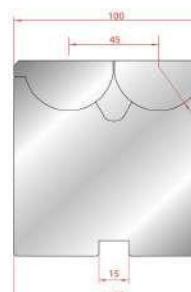
L	Cod.	Price	AB200
500	330600004		
200	330600007		
100	330600009		
50	33060000A		
30	33060000B		
25	33060000C		
20	33060000D		
15	33060000E		
L	Cod.	Price	AB450
500	33080000A		
200	330800007		
100	330800009		
50	33080000A		

L	Cod.	Price	AB300
500	330700004		
200	330700007		
100	330700009		
50	33070000A		
30	33070000B		
25	33070000C		
20	33070000D		
15	33070000E		

ACTIVE BEND - TRUMPF

L	Cod.	Price	AB200	L	Cod.	Price	AB300
500	330000004			500	330100004		
200	330000007			200	330100007		
100	330000009			100	330100009		
50	33000000A			50	33010000A		
30	33000000B			30	33010000B		
25	33000000C			25	33010000C		
20	33000000D			20	33010000D		
15	33000000E			15	33010000E		
L	Cod.	Price	AB600	L	Cod.	Price	AB1000
500	330200004			200	331200007		
200	330200007						
100	330200009						
50	33020000A						

ACTIVE BEND - AMADA PROMECAM

L	Cod.	Price	AB200	L	Cod.	Price	AB300
500	330300004			500	330400004		
200	330300007			200	330400007		
100	330300009			100	330400009		
50	33030000A			50	33040000A		
30	33030000B			30	33040000B		
25	33030000C			25	33040000C		
20	33030000D			20	33040000D		
15	33030000E			15	33040000E		
L	Cod.	Price	AB600	L	Cod.	Price	AB1000
500	330500004			200	331300007		
200	330500007						
100	330500009						
50	33050000A						

SISTEMA ACTIVE BEND

ACTIVE BEND SYSTEM

Las matrices Active Bend y Active Bend Premium permiten plegar chapas de diferentes espesores, como se indica en la tabla siguiente. Los valores se expresan en milímetros (mm).

MODELO	Resistencia T/m
AB200	100
AB300	130
AB450	150
AB600	200
AB1000	220

MATERIAL	Rango de plegado (spesor - mm)				
	AB200	AB300	AB450	AB600	AB1000
Acero al carbono	0,5 – 2,3	1,0 – 3,2	1,2 – 4,5	1,2 – 6,0	2,3 – 10,0
Inox	0,5 – 2,0	1,0 – 3,0	1,2 – 4,0	1,2 – 5,0	2,0 – 6,0
Aluminio	0,5 – 2,0	1,0 – 3,0	2,3 – 4,5	2,5 – 6,0	2,5 – 10,0

SISTEMA ACTIVE BEND

SOPORTES MATRIZ

COD.	Price	Diagrama	COD.	Price	Diagrama
43010005 1000 mm			31730001 835 mm		
43010004 500 mm			31730002 415 mm		
COD.	Price	Diagrama	COD.	Price	Diagrama
43100005 1000 mm			31800001 835 mm		
43100004 500 mm					

ARMARIOS PARA HERRAMIENTA

Armario para herramientas con equipamiento de serie para cajones:

- 2 estantes fijos,
- 4 estantes para herramientas enteras,
- 2 estantes continuos para herramientas partidas

Los cajones verticales deslizantes están equipados con portaherramientas ajustables en altura (según sea necesario) que garantizan una extrema facilidad de uso.

Además, estos soportes son adecuados tanto para herramientas enteras como divididas.



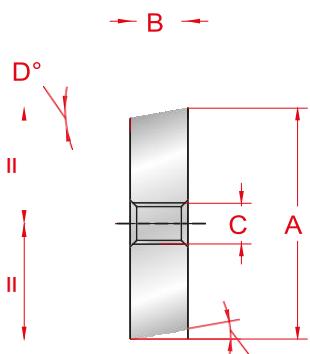
Carro móvil para herramientas



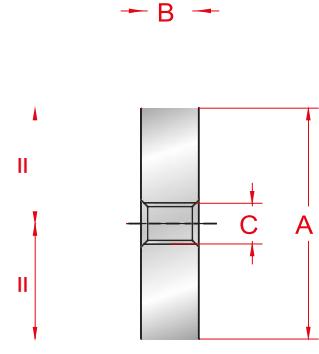
Cod	Cajones	AMARRE	Altura	Long.	Prof	L. Max Ut.	Color
ARMPR31	3	Promecam	1240	660	1050	835	Negro-Rojo RAL9005 RAL3000
ARMPR41	4	Promecam	1240	850	1050	835	
ARMPR51	5	Promecam	1240	1040	1050	835	
ARMWI38	3	Wila	1240	660	800	600	Negro-Rojo RAL9005 RAL3000
ARMWI48	4	Wila	1240	850	800	600	
ARMWI58	5	Wila	1240	1040	800	600	
ARMWI31	3	Wila	1240	660	1300	1100	RAL9005 RAL3000
ARMWI41	4	Wila	1240	850	1300	1100	
ARMWI51	5	Wila	1240	1040	1300	1100	
CRPR5		5 pisos L=835					

UCHILLA PARA CIZALLA

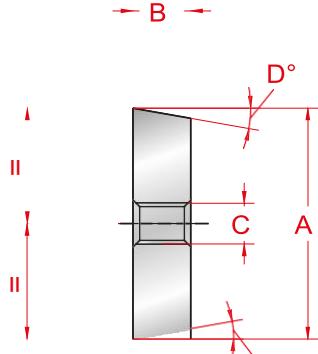
Bajo demanda, fabricamos cuchillas de cizalla según plano. Póngase en contacto con nuestro departamento técnico indicando el tipo de perfil y fijación.



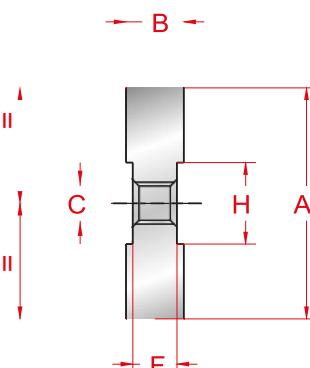
Type A



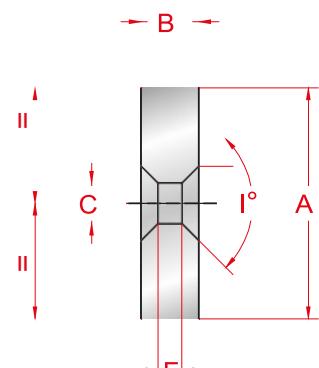
Type B



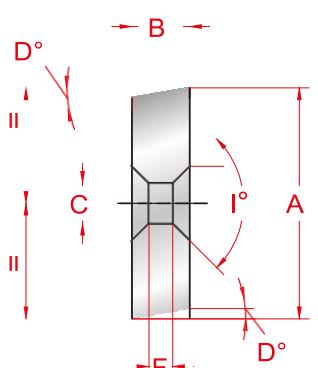
Type C



Type D

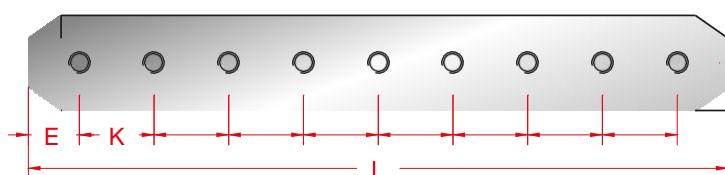


Type E

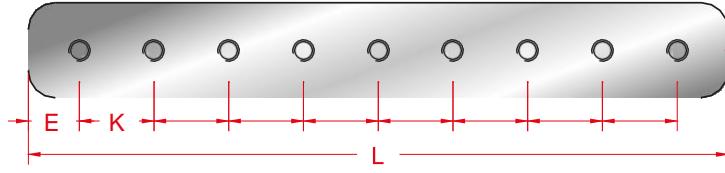


Type F

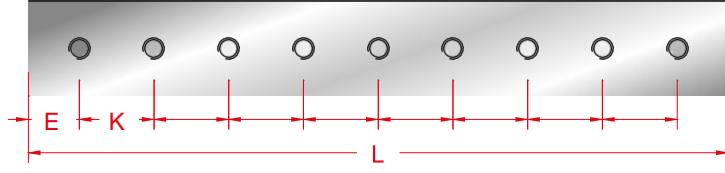
Model 1



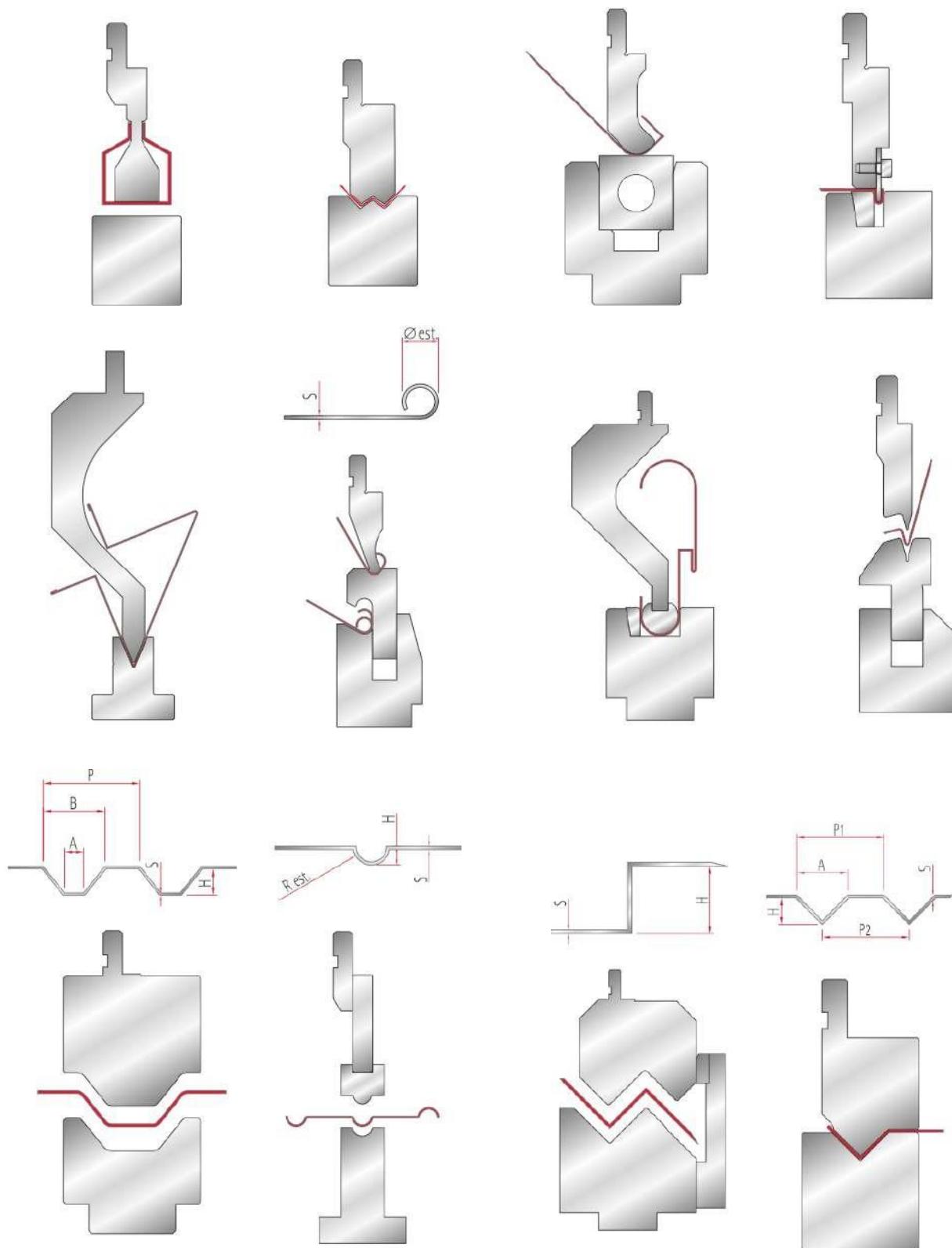
Model 2



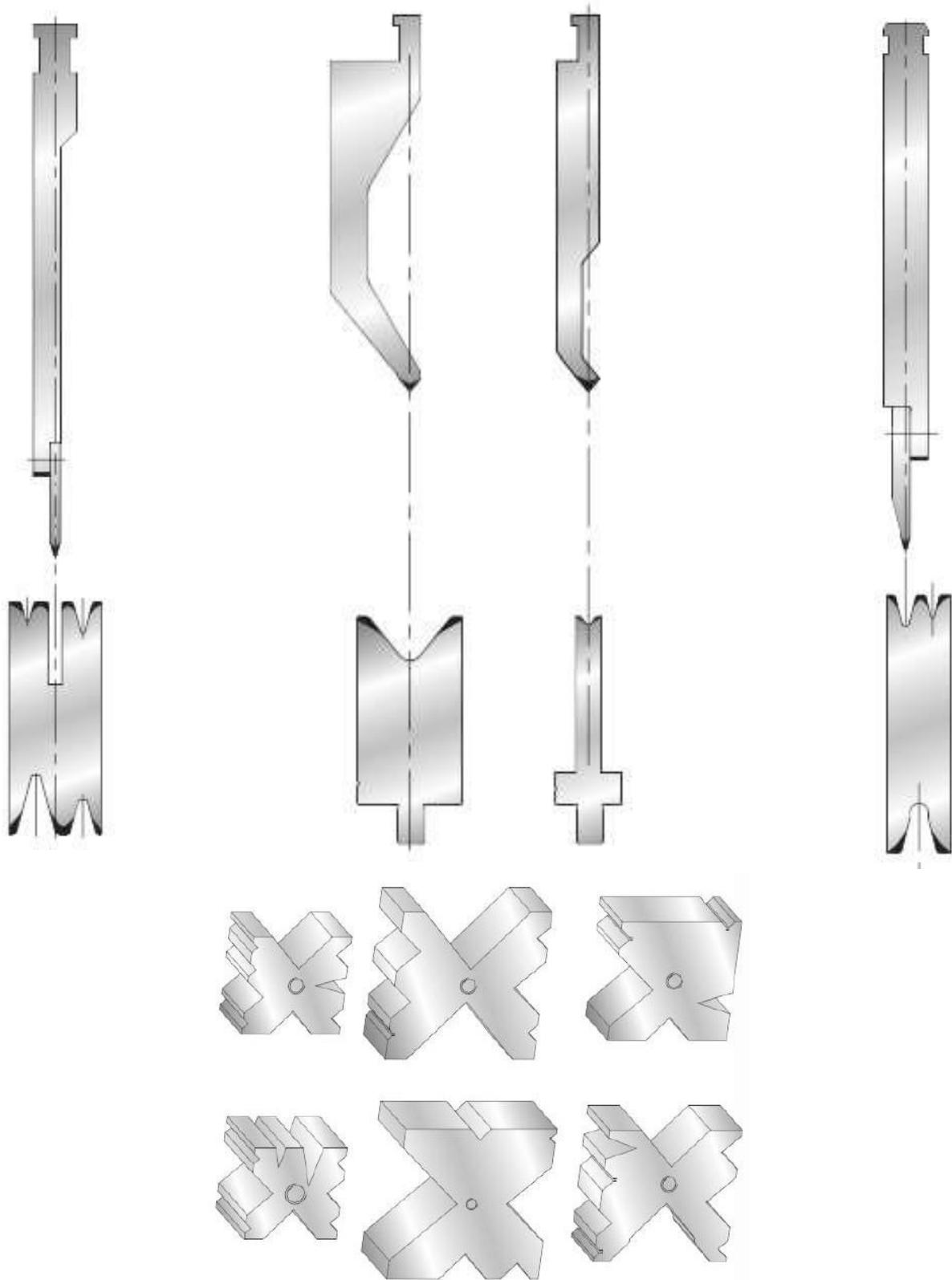
Model 3



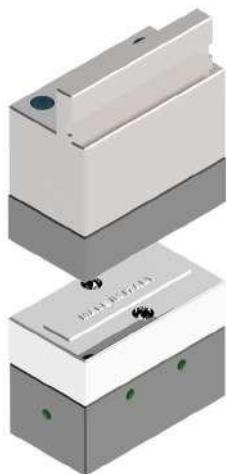
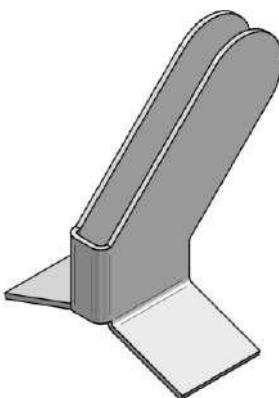
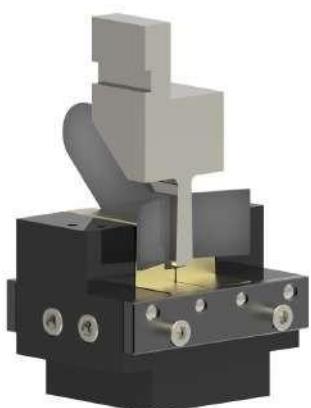
ÚTILES ESPECIALES BAJO DEMANDA



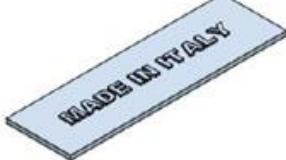
*SI LO DESEA, DISPONEMOS DE HERRAMIENTAS ESPECIALES CON ACCESORIOS
DE LOS PRINCIPALES FABRICANTES.*

ÚTILES CON AMARRE BAJO DEMANDA

ÚTILES PARA APLICACIONES ESPECIALES



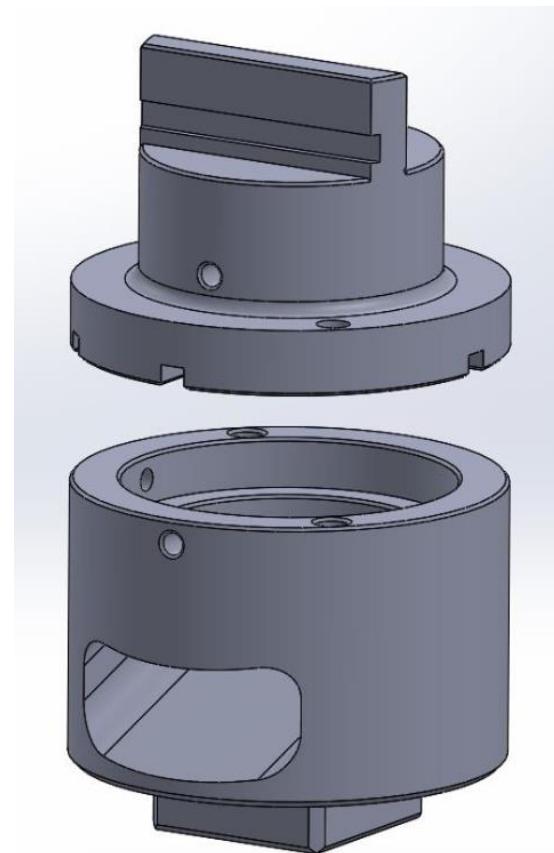
MADE IN ITALY



MARCADO DE
TEXTOS Y LOGOS



REJILLAS DE
VENTILACIÓN



UTILLAJE DE PUNZONADORA TIPO
TRUMPF EN PLEGADORA
AMARRE TIPO PROMECAM Y WILA TRUMPF

TL 500 ACOMPAÑADOR DE PLEGADO INDEPENDIENTE



- Acompañador de plegado independiente, se puede mover de una máquina a otra en cuestión de pocos minutos.
- Sin conexión con el control de la plegadora ni con las reglas ópticas

INTEGRAMENTE FABRICADO y CONSTRUIDO en ESPAÑA.



Servicio general

UTILLAJE Y HERRAMIENTA

- HERRAMIENTA DE PUNZONADORA TRUMPF
- HERRAMIENTA DE PUNZONADORA AMADA
- UTILLAJE DE PLEGADORA TRUMPF
- UTILLAJE DE PLEGADORA AMADA
- SISTEMA DE CAMBIO RÁPIDO DE ÚTLES DE PLEGADORA
- HERRAMIENTA PUNZONADORA SALVAGNINI, TECHNOLOGY, RAINER, MURATA
- HERRAMIENTA IRONWORKERS: GEKA, PEDDINGHAUS, DURMA, SUNRISE, KINGSLAND, ETC.
- ACOMPAÑADOR DE PLEGADO INDEPENDIENTE
- CONSUMIBLES LÁSER
- ASESORAMIENTO EN PRODUCCIÓN

MAQUINARIA:

- CORTE LÁSER
- PLEGADORAS
- CIZALLAS
- PUNZONADORAS
- INSERTADORAS DE PERNOS
- APLANADORAS DE CHAPA
- CILINDRADORAS DE CHAPA
- LÍNEAS DE APLANADO Y CORTE
- LÍNEAS DE SLITTING
- PERFILADORAS
- V GROOVING

ESTUDIO DE PROYECTOS ESPECIALES AUDITORIAS DE PRODUCCIÓN

TECNYSIDER

TÉCNICAS Y SISTEMAS DE DEFORMACIÓN

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**EL PROVEEDOR DE UN SOLO PASO PARA SUS
NECESIDADES DE FABRICACIÓN EN CORTE Y
DEFORMACIÓN METÁLICA**

