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**TRUMPF<sup>®</sup> system**

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**WILA<sup>®</sup> system**

**COLLY<sup>®</sup> AJIAL<sup>®</sup> AXIAL<sup>®</sup> system**

**ACCESORIOS**

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**PRESS BRAKE TOOLS**

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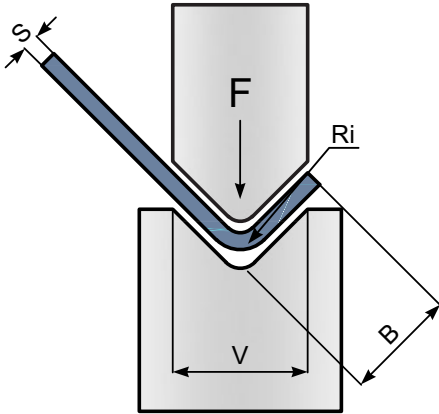
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# CÁLCULO DE FUERZA PARA PLEGADO AL AIRE FORCE CALCULATION FOR AIR BENDING



<b>S</b>	Esesor de chapa - mm Sheet thickness - mm
<b>V</b>	Obertura de la V V opening
<b>F</b>	Fuerza en T/m Force T/m
<b>V</b>	Obertura mínima Shortest edge
<b>Ri</b>	Radio interno Inside radius
<b>R</b>	Aluminio 20 - 25 Kg/mm <sup>2</sup> Alluminium 20 - 25 Kg/mm <sup>2</sup>
<b>R</b>	Hierro 40 - 45 Kg/mm <sup>2</sup> Mild steel 20 - 25 Kg/mm <sup>2</sup>
<b>R</b>	Ac. inox 60 - 70 Kg/mm <sup>2</sup> Stainless steel 60 - 70 Kg/mm <sup>2</sup>

$$F = \frac{S^2 \times 2 \times R}{1.4 \times V} = \dots \text{ Tn / m}$$

TABLA DE PLEGADO AL AIRE - para plegado 90° con chapa R= 45 Kg/mm<sup>2</sup>  
Air bending chart - for 90° bending, resistance sheet R= 45 Kg/mm<sup>2</sup>

S	6	8	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	V
	4	5.5	7	8.5	11	14	17.5	22	28	35	45	55	71	89	113	140	175	B
mm	1	1.3	1.6	2	2.6	3.3	4	5	6.5	8	10	13	16	20	26	33	41	Ri
0.5	3																	
0.6	4	4																
0.8	7	5	4															
1	11	8	7	6														
1.2	16	12	10	8	6													
1.5		17	15	13	9	8												
2			27	22	17	13	11											
2.5				35	26	21	11	13										
3					38	30	24	19	15									
4						54	42	34	27	21								
5							67	52	42	33	26							
6								75	60	48	38	30						
8									107	85	68	53	43					
10										134	105	85	67	53				
12											153	120	95	78	60			
15												188	150	120	95	75		
20													270	215	170	135	108	

**F**  
T/m

## Leyenda de Material / Material Specifics

- Acero C45**  
Steel C45
- Acero C45 templado por inducción en las zonas de desgaste (52/55 HRC)**  
Steel C45 induction hardened on wear parts (52/55 HRC)
- Acero C45 bonificado (R=80-85Kg/mm<sup>2</sup>) y templado por inducción en las zonas de desgaste (52/55 HRC)**  
Steel C45 hardened (R=80-85Kg/mm<sup>2</sup>) and induction hardened on wear parts (52/55 HRC)
- Acero 42CrMo4 bonificado (R=95-105Kg/mm<sup>2</sup>) y templado por inducción en las zonas de desgaste (52/55 HRC)**  
Steel 42CrMo4 hardened (R=95-105Kg/mm<sup>2</sup>) and induction hardened on wear parts (52/55 HRC)

# PUNZONES / PUNCHES

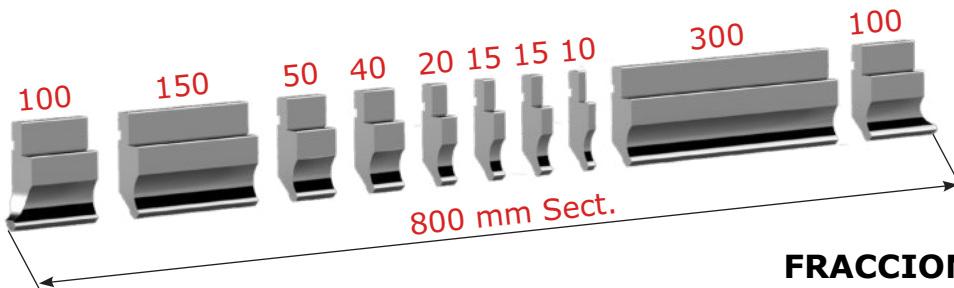
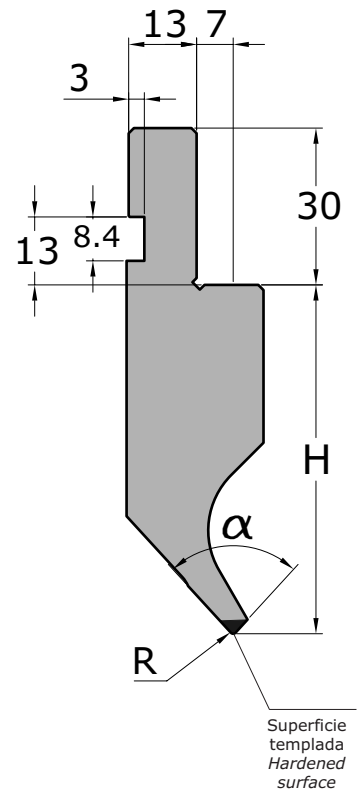
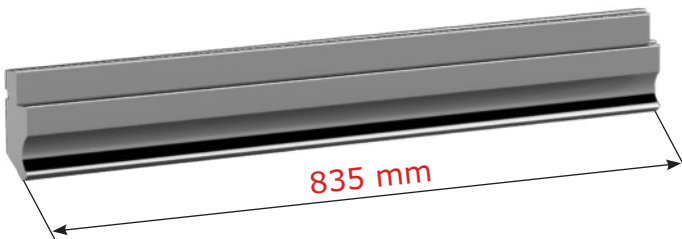
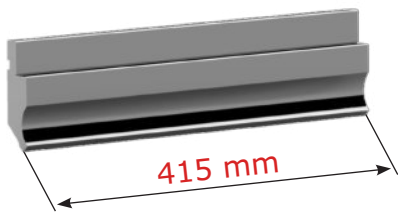
LOS PUNZONES ESTÁNDAR ESTAN DISPONIBLES EN LARGOS 415mm, 835mm Y FRACCIONADO DE 805mm  
 STANDARD PUNCHES ARE AVAILABLE LENGTHS IN 415mm, 835mm AND 805mm SEGMENTATION

## LEYENDA / DESCRIPTION

**H** = ALTURA PUNZÓN / PUNCH HEIGHT

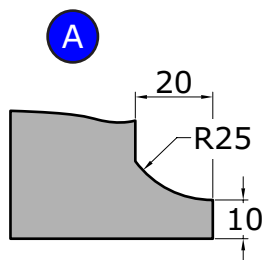
**$\alpha$**  = ÁNGULO PUNZÓN / PUNCH DEGREE

**R** = RADIO PUNZÓN / PUNCH RADIUS

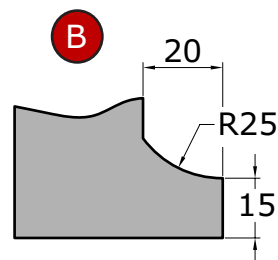


## FRACCIONADO ESTÁNDAR STANDARD SEGMENTATION

### Bigornia estándar Horn Type:



### Bigornia estándar Horn Type:



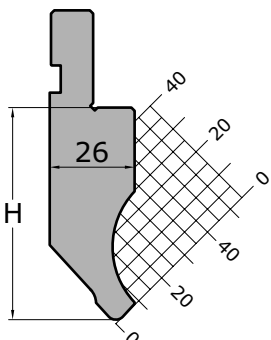
La carga máxima de las bigornias corresponde al 50% de la carga máxima indicada en el punzón.

The horns' max load is 50% of the max load of the punch.

# PUNZONES / PUNCHES 75° - 85°

Kn/m	Code	$\alpha$	R	H	MT
1000	TC1275AM	75°	0.80	67.60	■
	TC1853AM	85°	0.25	66.50	■
	TC1200AM	85°	0.80	66.50	■
	TC1201AM	85°	3.00	65.45	■

88° - 90° disponible bajo pedido  
88° - 90° available on request

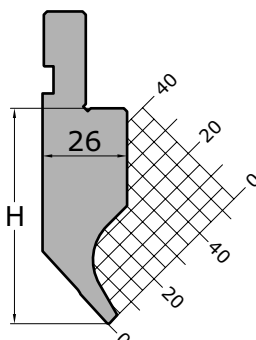


**BIGORNIA TIPO**  
HORN TYPE



Kn/m	Code	$\alpha$	R	H	MT
350	TC1857AM	85°	0,25	67.00	■
	TC1170AM	85°	0,60	66.74	■

88° - 90° disponible bajo pedido  
88° - 90° available on request

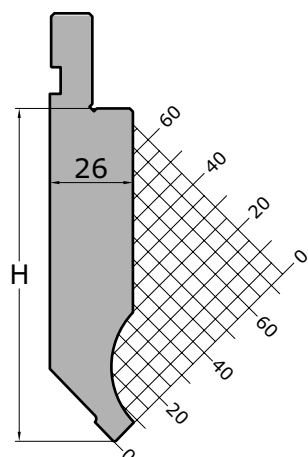


**BIGORNIA TIPO**  
HORN TYPE



Kn/m	Code	$\alpha$	R	H	MT
1000	TC1230AM	85°	0.80	105.0	■
	TC1231AM	85°	3.00	105.0	■

88° - 90° disponible bajo pedido  
88° - 90° available on request

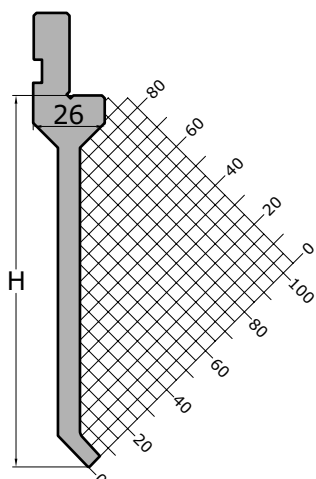


**BIGORNIA TIPO**  
HORN TYPE



Kn/m	Code	$\alpha$	R	H	MT
400	TC1855AM	85°	0.60	135.0	■

88° - 90° disponible bajo pedido  
88° - 90° available on request

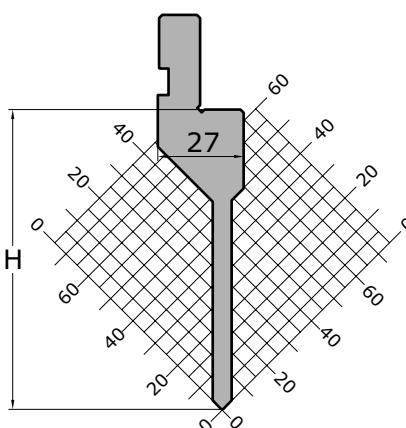


**BIGORNIA TIPO**  
HORN TYPE



Kn/m	Code	$\alpha$	R	H	MT
500	TC1270AM	85°	0.60	95.00	■

88° - 90° disponible bajo pedido  
88° - 90° available on request



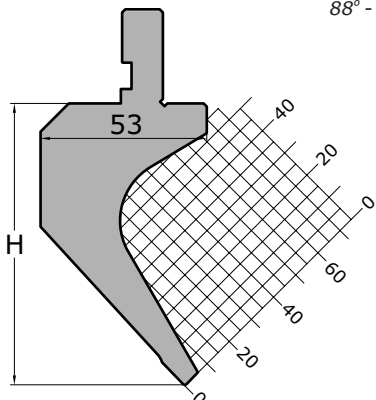
**BIGORNIA TIPO**  
HORN TYPE



# PUNZONES / PUNCHES 85°

Kn/m	Code	$\alpha$	R	H	MT
500	TC1865AM	85°	0.25	90.00	■
	TC1672AM	85°	0.80	89.70	■

88° - 90° disponible bajo pedido  
88° - 90° available on request

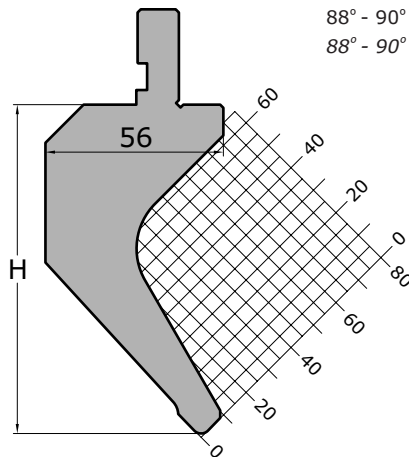


**BIGORNIA TIPO**  
HORN TYPE



Kn/m	Code	$\alpha$	R	H	MT
500	TC1867AM	85°	0.25	104.5	■
	TC1151AM	85°	0.80	104.5	■
	TC1866AM	85°	3.00	103.5	■

88° - 90° disponible bajo pedido  
88° - 90° available on request

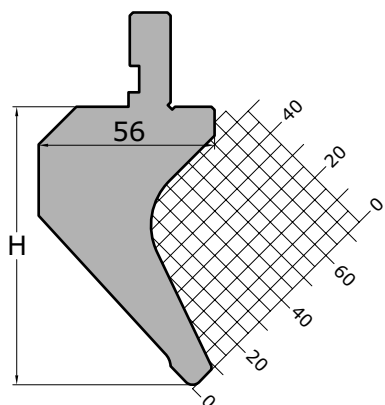


**BIGORNIA TIPO**  
HORN TYPE



Kn/m	Code	$\alpha$	R	H	MT
600	TC1864AM	85°	0.25	89.70	■
	TC1660AM	85°	0.80	89.58	■
	TC1863AM	85°	3.00	88.50	■

88° - 90° disponible bajo pedido  
88° - 90° available on request

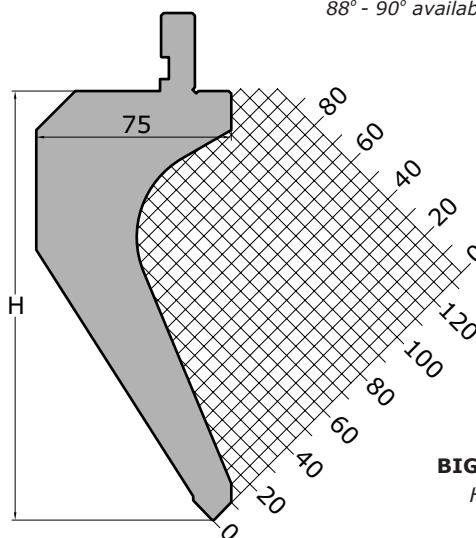


**BIGORNIA TIPO**  
HORN TYPE



Kn/m	Code	$\alpha$	R	H	MT
600	TC1849AM	85°	0.80	165.0	■

88° - 90° disponible bajo pedido  
88° - 90° available on request

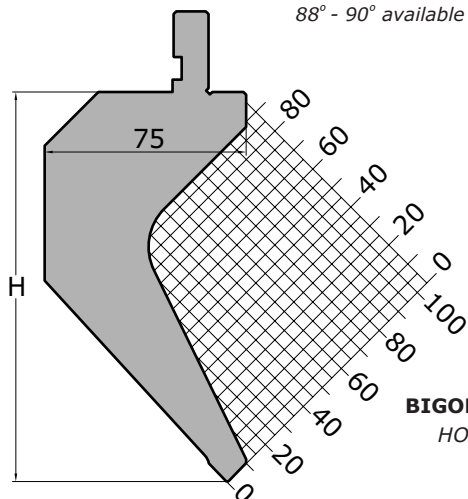


**BIGORNIA TIPO**  
HORN TYPE



Kn/m	Code	$\alpha$	R	H	MT
700	TC1848AM	85°	0.80	145.0	■

88° - 90° disponible bajo pedido  
88° - 90° available on request

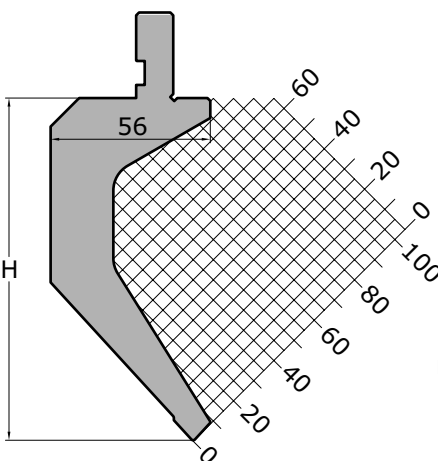


**BIGORNIA TIPO**  
HORN TYPE



Kn/m	Code	$\alpha$	R	H	MT
500	TC1835AM	85°	0.80	120.0	■

88° - 90° disponible bajo pedido  
88° - 90° available on request

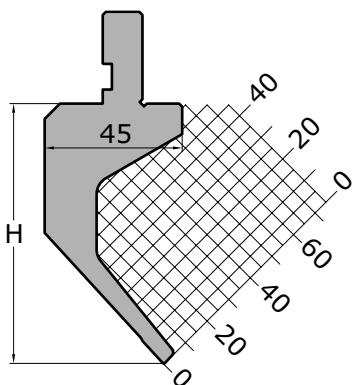


**BIGORNIA TIPO**  
HORN TYPE

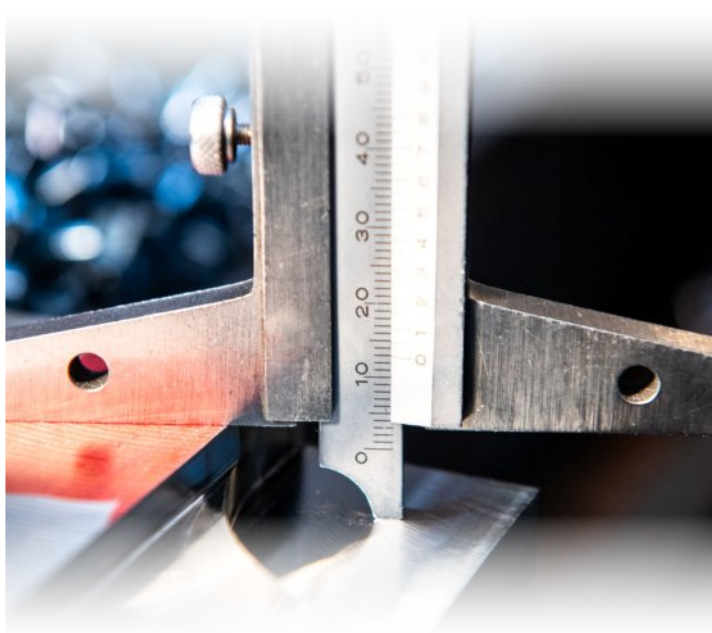


# PUNZONES / PUNCHES 85°

Kn/m	Code	$\alpha$	R	H	MT
120	TC1831AM	85°	0.60	85.00	■

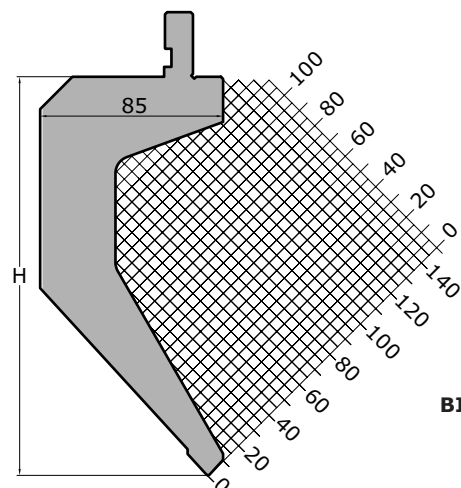


**BIGORNIA TIPO**  
HORN TYPE



Kn/m	Code	$\alpha$	R	H	MT
600	TC1840AM	85°	1.00	185.0	■

88° - 90° disponible bajo pedido  
88° - 90° available on request

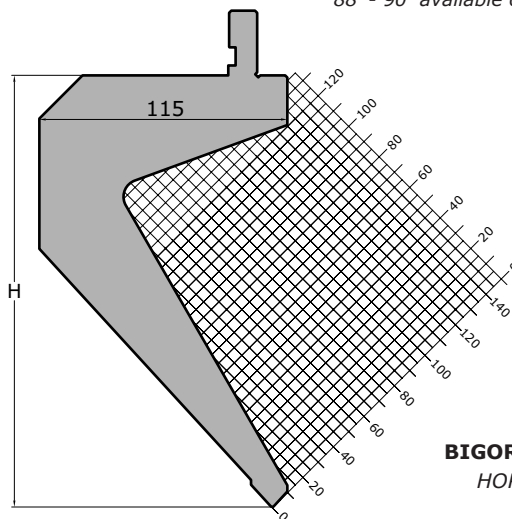


**BIGORNIA TIPO**  
HORN TYPE



Kn/m	Code	$\alpha$	R	H	MT
700	TC1800AM	85°	1.00	200.0	■

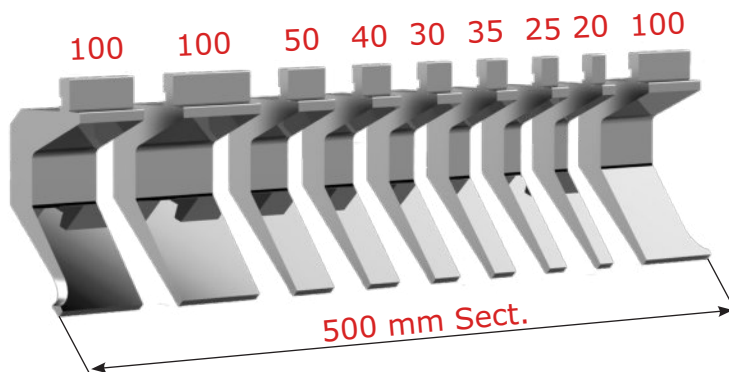
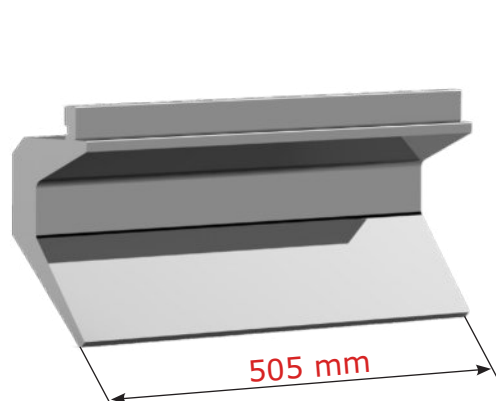
88° - 90° disponible bajo pedido  
88° - 90° available on request



**BIGORNIA TIPO**  
HORN TYPE



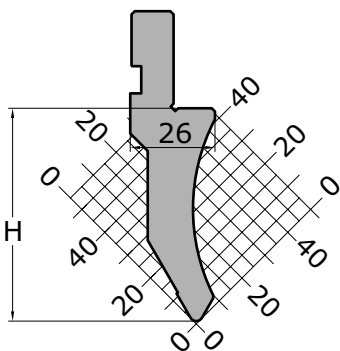
LONGITUD ESTÁNDAR PARA **TC1840AM** y **TC1800AM**  
STANDARD LENGTHS FOR **TC1840AM** & **TC1800AM**



La carga máxima de las bigornias corresponde al 50% de la carga máxima indicada en el punzón.  
The horns' max load is 50% of the max load of the punch.

# PUNZONES / PUNCHES 60°

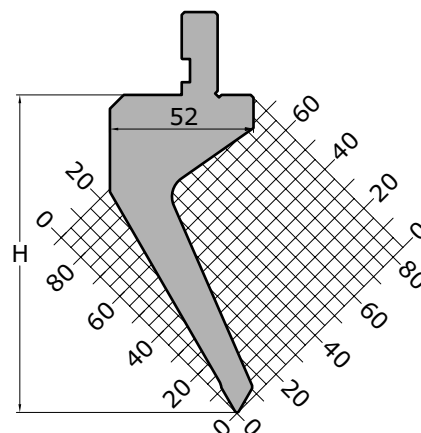
Kn/m	Code	$\alpha$	R	H	MT
600	TC1142AM	60°	0.80	67.00	■
	TC1143AM	60°	2.00	65.80	■



BIGORNIA TIPO  
HORN TYPE

A

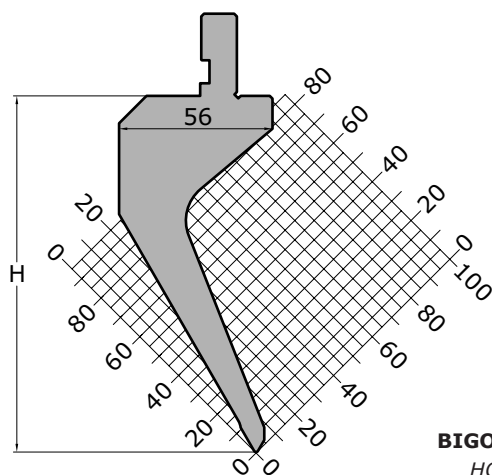
Kn/m	Code	$\alpha$	R	H	MT
400	TC1500AM	60°	0.80	115.0	■



BIGORNIA TIPO  
HORN TYPE

A

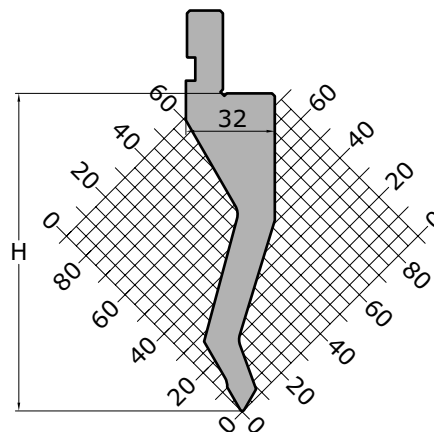
Kn/m	Code	$\alpha$	R	H	MT
400	TC1506AM	60°	0.80	130.0	■



BIGORNIA TIPO  
HORN TYPE

A

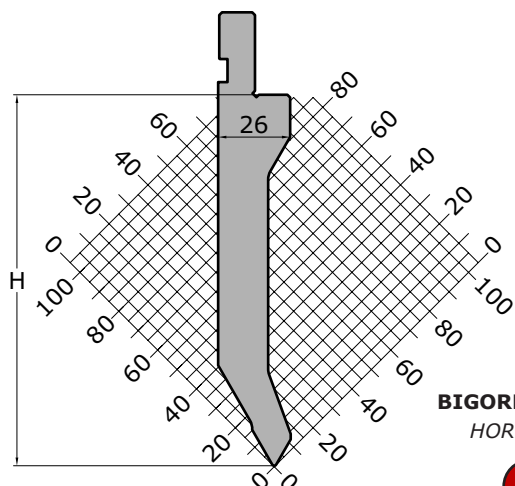
Kn/m	Code	$\alpha$	R	H	MT
600	TC1510AM	60°	0.80	115.0	■



BIGORNIA TIPO  
HORN TYPE

A

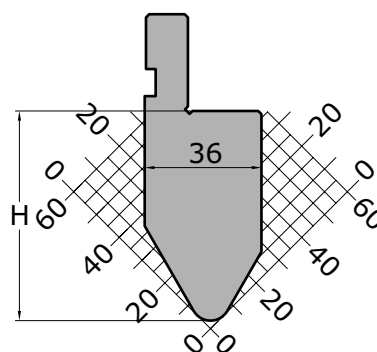
Kn/m	Code	$\alpha$	R	H	MT
700	TC1750AM	60°	0.80	135.0	■



BIGORNIA TIPO  
HORN TYPE

B

Kn/m	Code	$\alpha$	R	H	MT
1000	TC1136AM	60°	6.00	65.00	■



BIGORNIA TIPO  
HORN TYPE

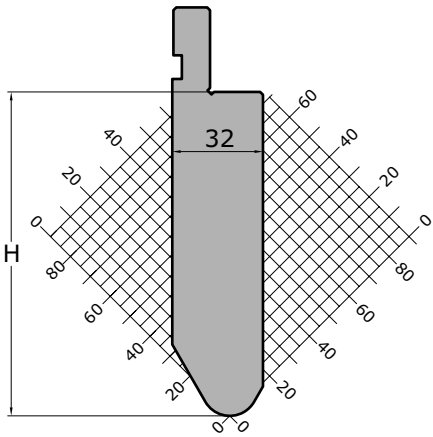
B



# PUNZONES / PUNCHES 60° - 30°

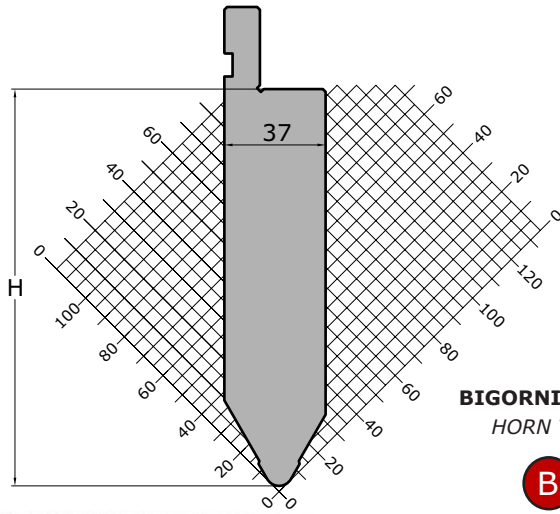
Kn/m	Code	$\alpha$	R	H	MT
1000	TC1720AM	60°	10.0	115.0	■

Kn/m	Code	$\alpha$	R	H	MT
1600	TC1730AM	60°	5.00	145.0	■



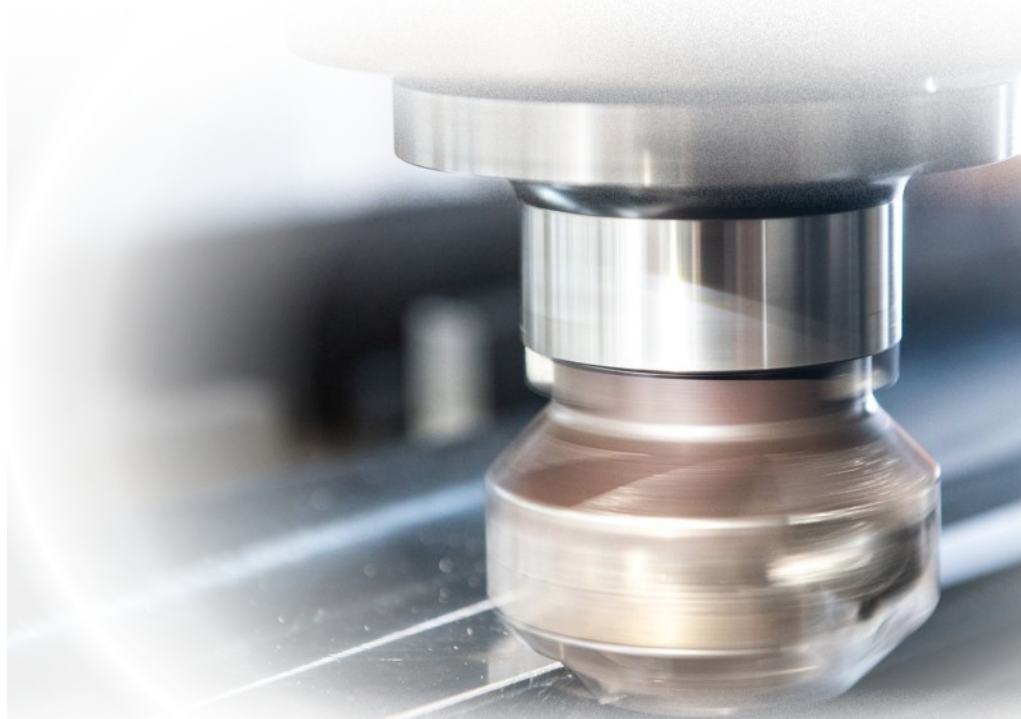
**BIGORNIA TIPO**  
HORN TYPE

**B**



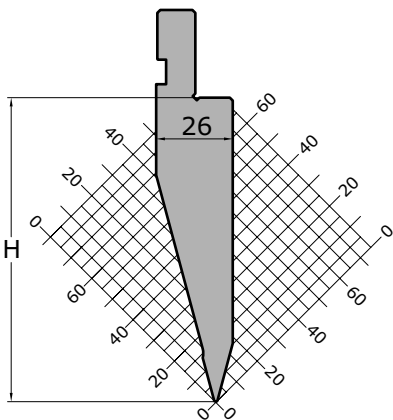
**BIGORNIA TIPO**  
HORN TYPE

**B**



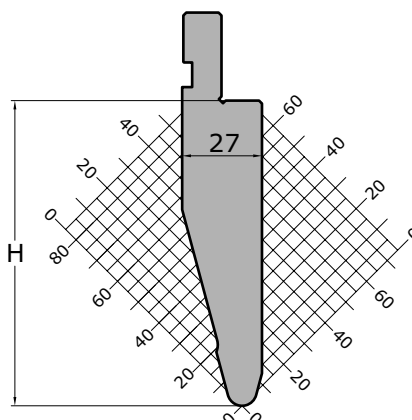
Kn/m	Code	$\alpha$	R	H	MT
1000	TC1258AM	30°	0.60	104.0	■

Kn/m	Code	$\alpha$	R	H	MT
1000	TC1528AM	30°	3.00	104.0	■
	TC1530AM	30°	5.00	104.0	■



**BIGORNIA TIPO**  
HORN TYPE

**B**



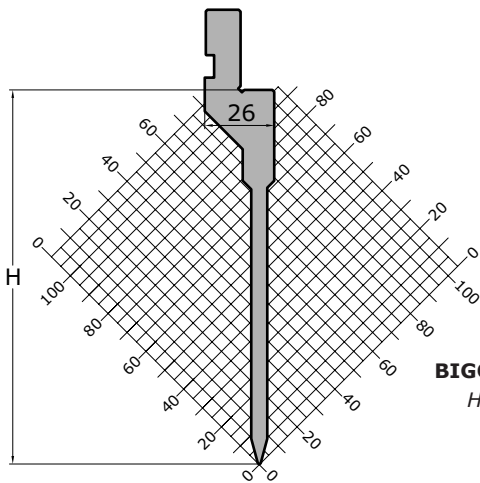
**BIGORNIA TIPO**  
HORN TYPE

**B**

AMADA PROMTECGAM®

# PUNZONES / PUNCHES 30° - 35°

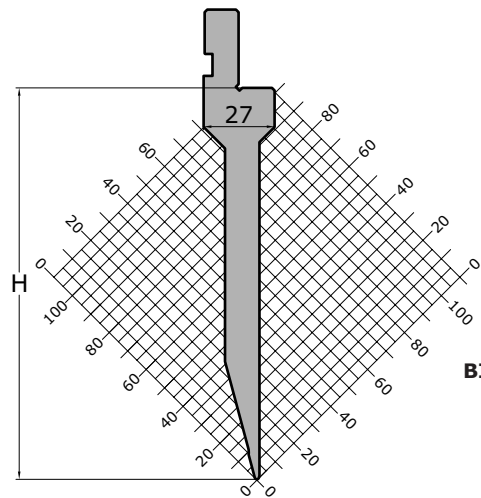
Kn/m	Code	$\alpha$	R	H	MT
500	TC1515AM	30°	0.60	140.0	■



**BIGORNIA TIPO**  
HORN TYPE

**B**

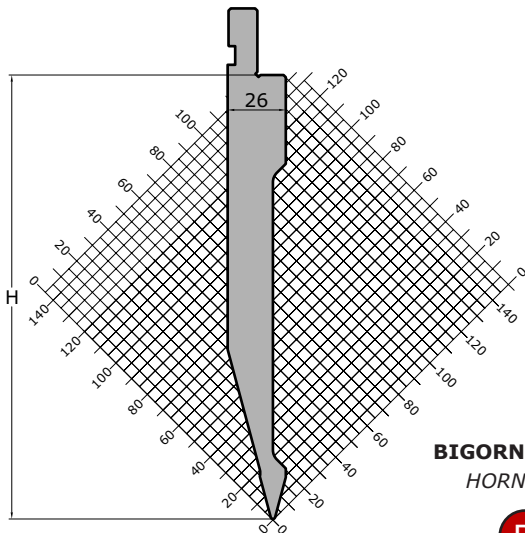
Kn/m	Code	$\alpha$	R	H	MT
400	TC1818AM	30°	0.80	150.0	■



**BIGORNIA TIPO**  
HORN TYPE

**B**

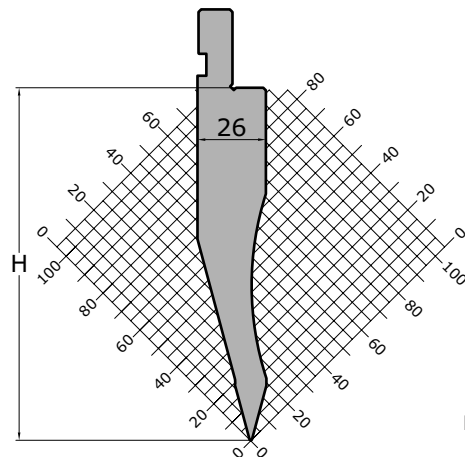
Kn/m	Code	$\alpha$	R	H	MT
500	TC1810AM	30°	1.00	200.0	■



**BIGORNIA TIPO**  
HORN TYPE

**B**

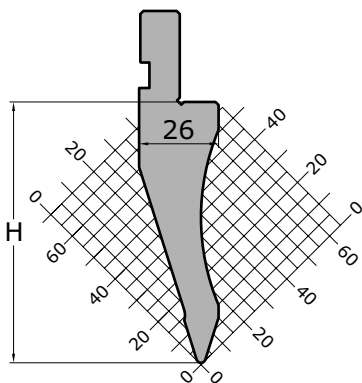
Kn/m	Code	$\alpha$	R	H	MT
800	TC1780AM	30°	0.50	135.0	■



**BIGORNIA TIPO**  
HORN TYPE

**B**

Kn/m	Code	$\alpha$	R	H	MT
700	TC1103AM	35°	0.60	86.00	■
	TC1600AM	35°	0.80	90.00	■
	TC1104AM	35°	1.50	86.00	■



**BIGORNIA TIPO**  
HORN TYPE

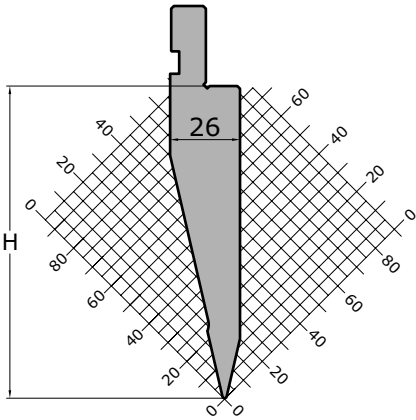
**B**



# PUNZONES / PUNCHES 26°

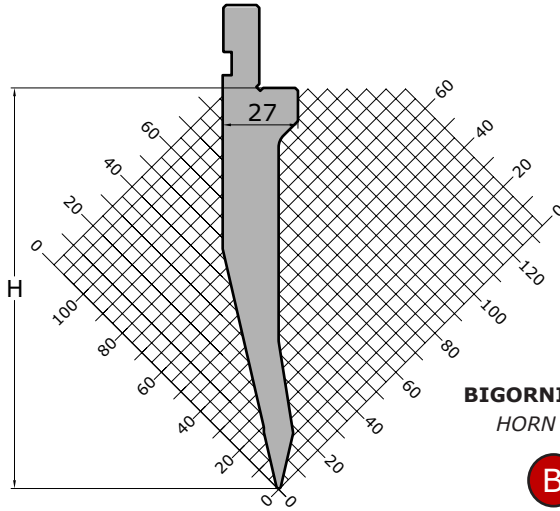
Kn/m	Code	$\alpha$	R	H	MT
1000	TC1540AM	26°	0.80	117.0	■

Kn/m	Code	$\alpha$	R	H	MT
950	TC1545AM	26°	0.80	145.0	■



**BIGORNIA TIPO**  
HORN TYPE

**B**



**BIGORNIA TIPO**  
HORN TYPE

**B**



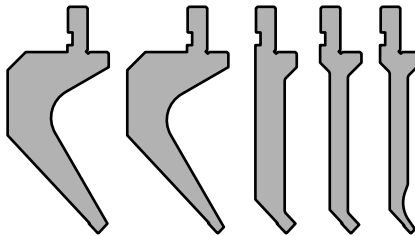
**AMADA PROMIEGAM®**

# PUNZONES AFH / AFH PUNCHES

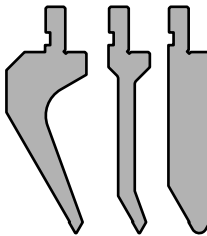
**VENTAJAS DE LAS HERRAMIENTAS AMADA AFH:** Las herramientas "AFH" están diseñadas para permitir al operador producir curvas utilizando diferentes perfiles de punzones colocados uno al lado del otro en una mesa. Además, mediante el uso de nuestras matrices insertables será posible aumentar la eficiencia reduciendo los costes de producción, simplificando complicadas secuencias de plegado.

**ADVANTAGES OF AMADA AFH TOOLS:** "AFH" tools are designed to enable the operator to produce bends using different profiles of punches set side by side on one table. Furthermore, by using our inserts dies it will be possible to increase efficiency reducing costs of production, simplifying complicated bending sequences.

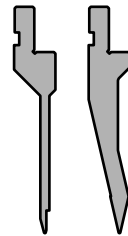
**86°**

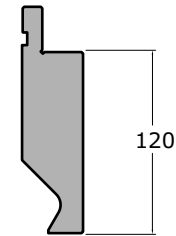


**60°**

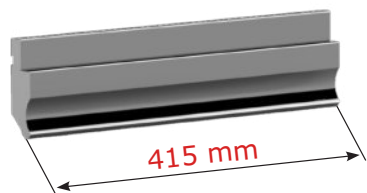


**26° - 30°**

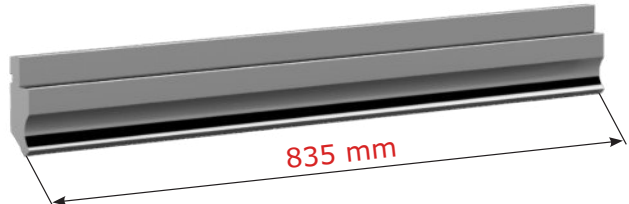




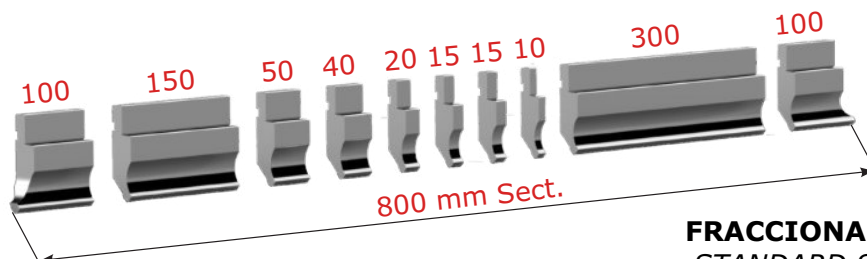
120



415 mm



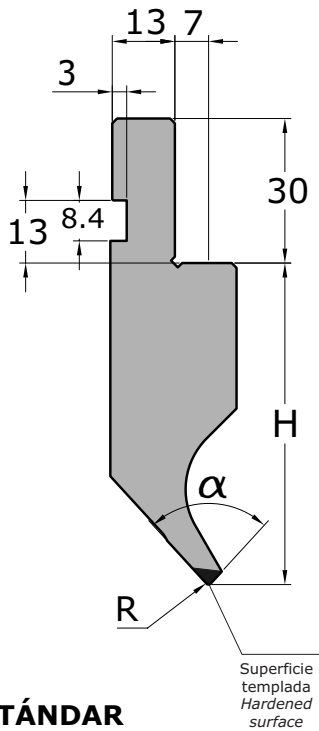
835 mm



100 150 50 40 20 15 15 10 300 100

800 mm Sect.

LEYENDA / DESCRIPTION
<b>H</b> = ALTURA PUNZÓN / PUNCH HEIGHT
<b>α</b> = ÁNGULO PUNZÓN / PUNCH DEGREE
<b>R</b> = RADIO PUNZÓN / PUNCH RADIUS

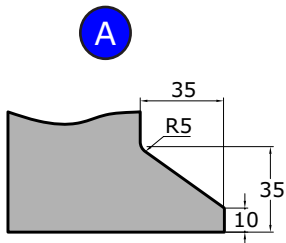


13.7 3 13 8.4 30 H α R

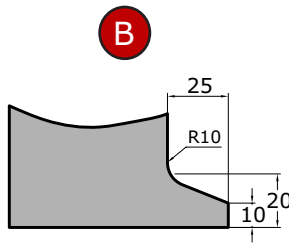
Superficie templada / Hardened surface

**FRACCIONADO ESTÁNDAR**  
STANDARD SEGMENTATION

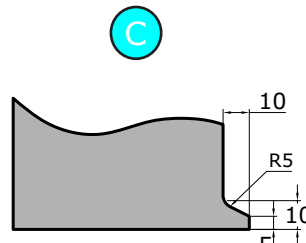
**Bigornia estándar**  
Horn Type:



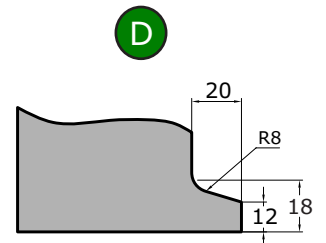
**Bigornia estándar**  
Horn Type:



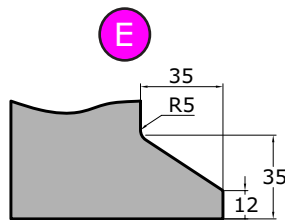
**Bigornia estándar**  
Horn Type:



**Bigornia estándar**  
Horn Type:



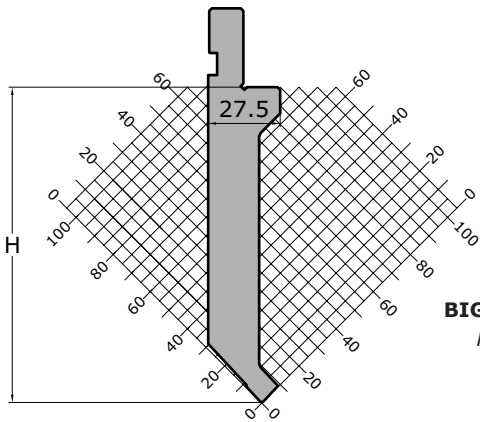
**Bigornia estándar**  
Horn Type:



La carga máxima de las bigornias corresponde al 50% de la carga máxima indicada en el punzón.  
The horns' max load is 50% of the max load of the punch.

# PUNZONES AFH / AFH PUNCHES 86°

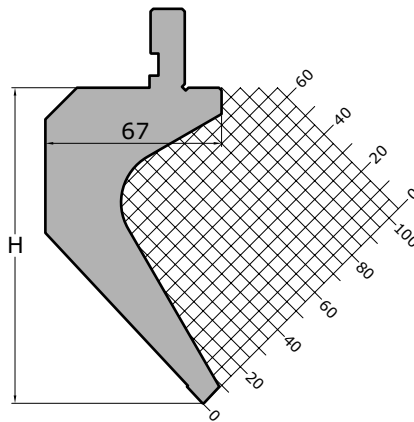
Kn/m	Code	$\alpha$	R	H	MT
1000	TC1022AMF	86°	0.60	120.0	■
	TC1023AMF	86°	1.50	120.0	■
	TC1024AMF	86°	3.00	120.0	■



BIGORNIA TIPO  
HORN TYPE

A

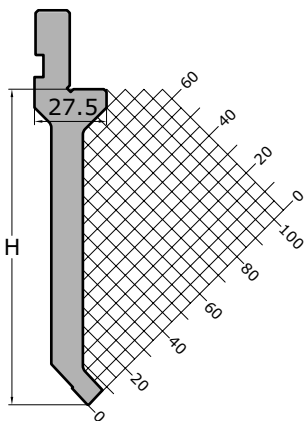
Kn/m	Code	$\alpha$	R	H	MT
500	TC1027AMF	86°	0.60	120.0	■
	TC1028AMF	86°	1.50	120.0	■
	TC1029AMF	86°	3.00	120.0	■



BIGORNIA TIPO  
HORN TYPE

A

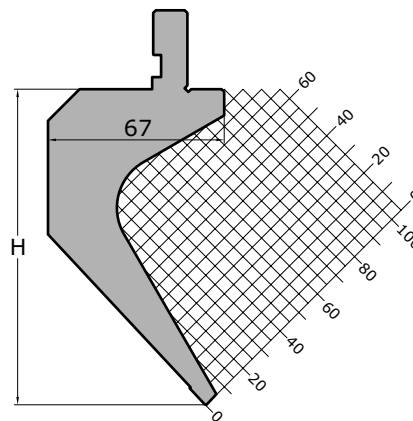
Kn/m	Code	$\alpha$	R	H	MT
500	TC1032AMF	86°	0.60	120.0	■
	TC1033AMF	86°	1.50	120.0	■



BIGORNIA TIPO  
HORN TYPE

B

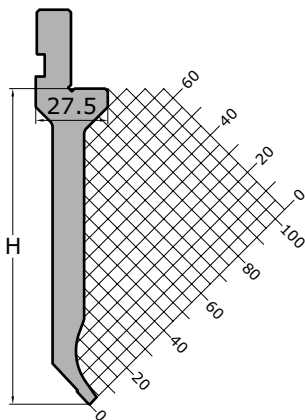
Kn/m	Code	$\alpha$	R	H	MT
450	TC1035AMF	86°	0.60	120.0	■



BIGORNIA TIPO  
HORN TYPE

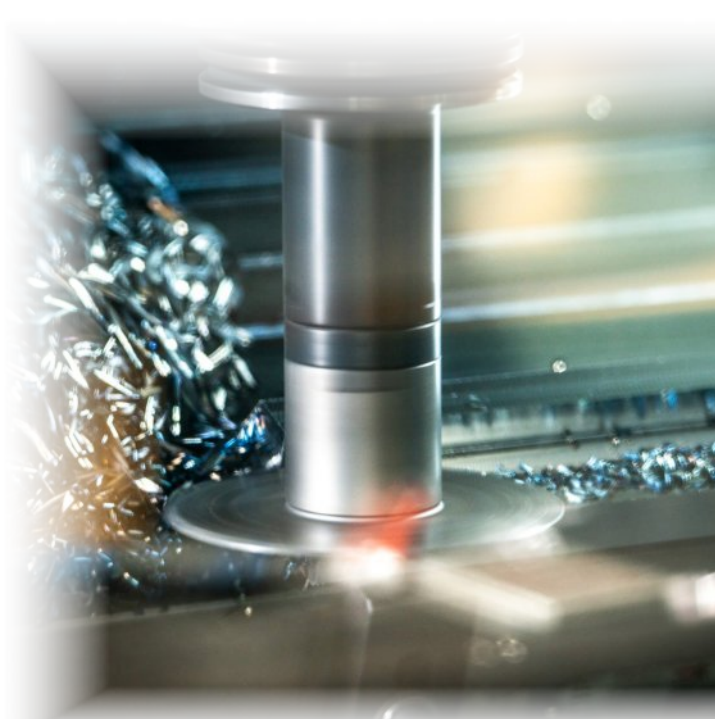
A

Kn/m	Code	$\alpha$	R	H	MT
300	TC1037AMF	86°	0.60	120.0	■



BIGORNIA TIPO  
HORN TYPE

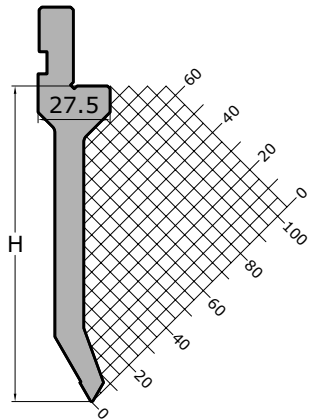
C



AMADA PROMTEGAM®

# PUNZONES AFH / AFH PUNCHES 60° - 30° - 26°

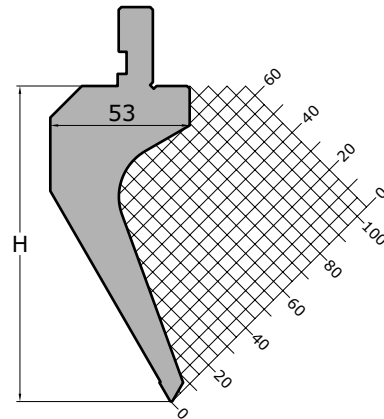
Kn/m	Code	$\alpha$	R	H	MT
700	TC1039AMF	60°	0.60	120.0	■
	TC1040AMF	60°	1.50	120.0	■



BIGORNIA TIPO  
HORN TYPE

A

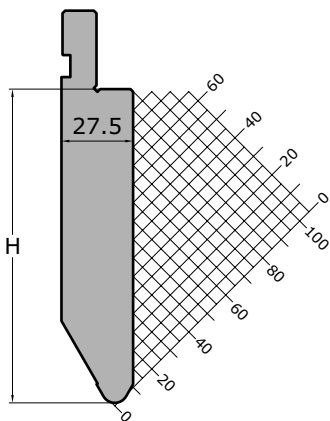
Kn/m	Code	$\alpha$	R	H	MT
700	TC1041AMF	60°	0.60	120.0	■
	TC1042AMF	60°	1.50	120.0	■



BIGORNIA TIPO  
HORN TYPE

A

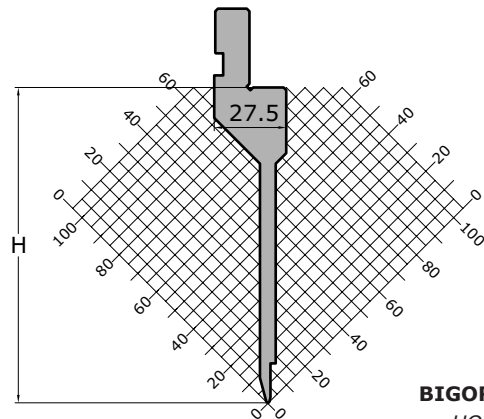
Kn/m	Code	$\alpha$	R	H	MT
1000	TC1049AMF	60°	5.00	120.0	■
	TC1050AMF	60°	6.00	120.0	■



BIGORNIA TIPO  
HORN TYPE

E

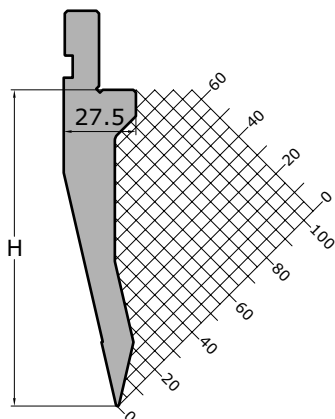
Kn/m	Code	$\alpha$	R	H	MT
450	TC1043AMF	30°	0.60	120.0	■



BIGORNIA TIPO  
HORN TYPE

B

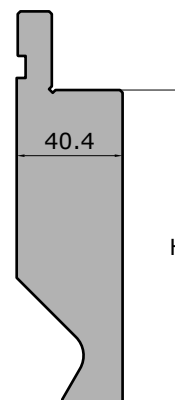
Kn/m	Code	$\alpha$	R	H	MT
1000	TC1044AMF	26°	0.60	120.0	■
	TC1045AMF	30°	0.60	120.0	■
	TC1046AMF	30°	1.50	120.0	■
	TC1047AMF	30°	3.00	120.0	■
	TC1048AMF	30°	4.00	120.0	■



BIGORNIA TIPO  
HORN TYPE

D

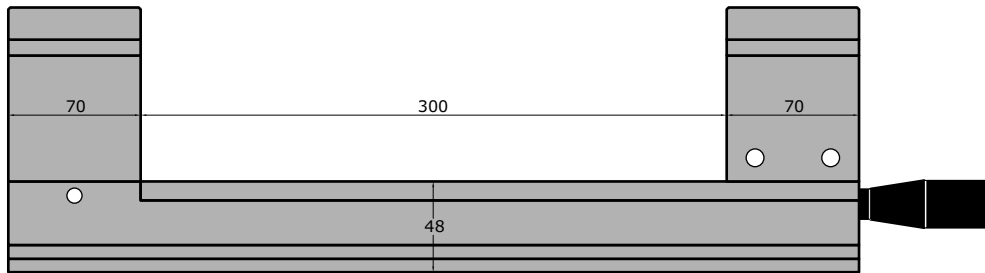
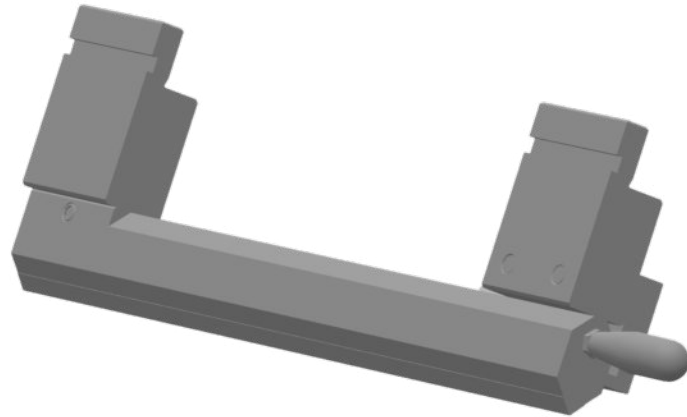
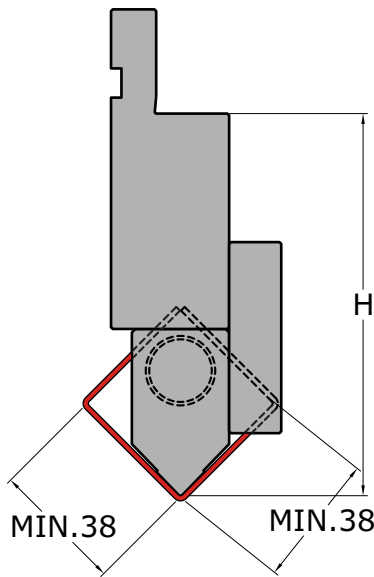
Kn/m	Code	$\alpha$	R	H	MT
450	TC1051AMF	-	-	120.0	■



SIN BIGORNIA  
WITHOUT HORN

## PUNZON ROTANTE / ROTARY PUNCH

Kn/m	Code	$\alpha$	R	H	MT
150	TC4680AM	85°	0.80	110.0	■



## BIGORNIA MÓVIL / MOVING HORNS

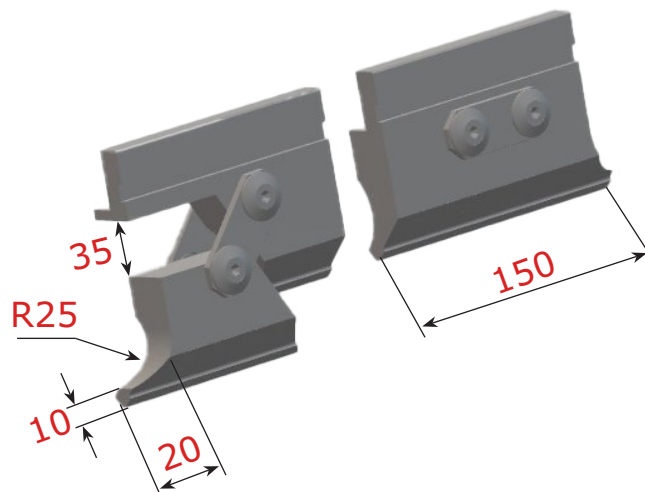
### PUNZONES / PUNCHES

TC1200AM  
TC1201AM  
TC1170AM

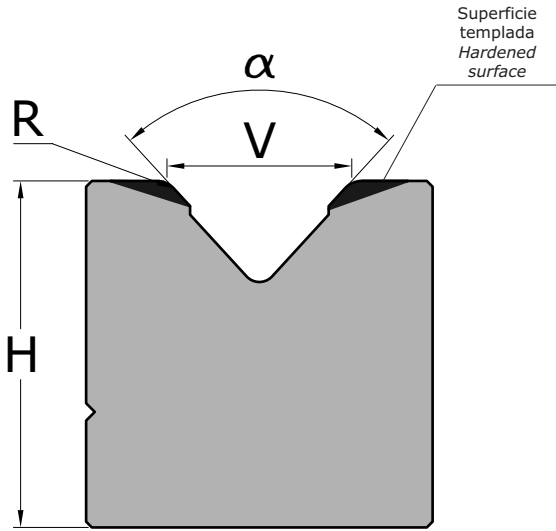
### BIGORNIA MÓVIL / MOVING HORNS

TC4114AM  
TC4116AM  
TC4122AM

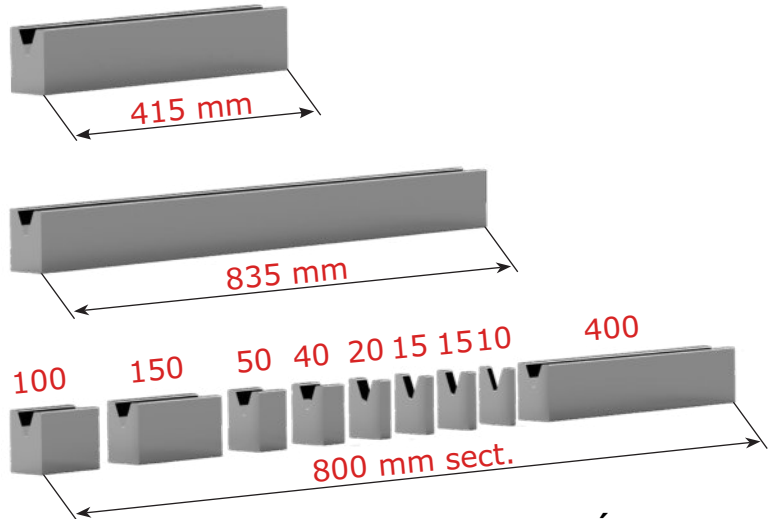
Adecuado para la producción de cajas y células de doblado de robots.  
*Suitable to boxes production and robot bending cells.*



La carga máxima de las bigornias corresponde al 50% de la carga máxima indicada en el punzón.  
*The horns' max load is 50% of the max load of the punch.*



No especificado, es amarre de 60mm  
Unspecified, is clamp of 60mm



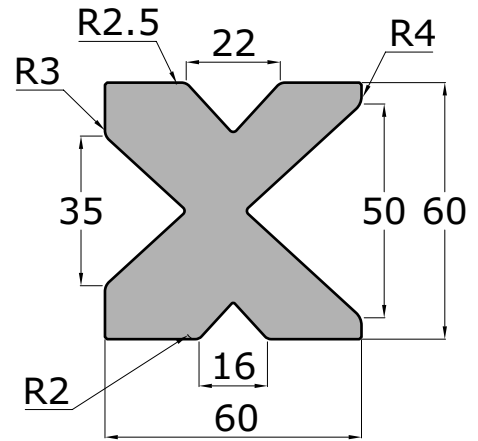
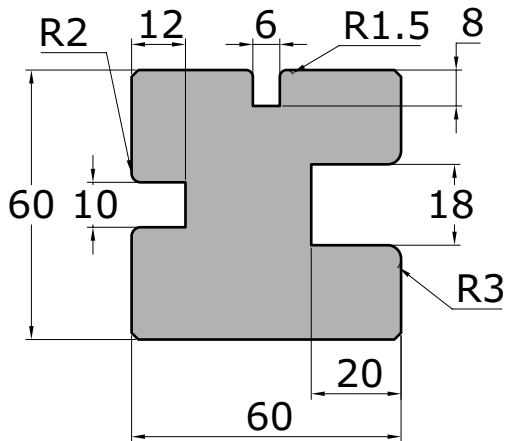
FRACCIONADO ESTÁNDAR  
STANDARD SEGMENTATION

Code	V	$\alpha$	R	H	MT
TC2209AM	-	-	-	60.00	■

Code	V	$\alpha$	R	H	MT
TC2207AM	-	85°	-	60.00	■

Kn/m  
1000

Kn/m  
800

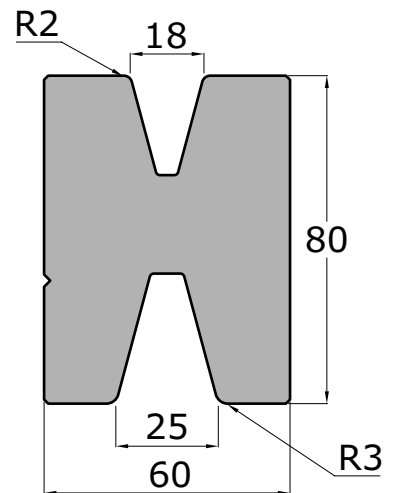
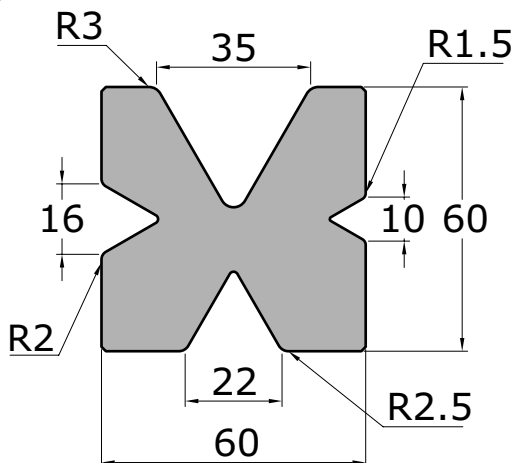


Code	V	$\alpha$	R	H	MT
TC2350AM	-	60°	-	60.00	■

Code	V	$\alpha$	R	H	MT
TC2830AM	-	30°	-	80.00	■

Kn/m  
600

Kn/m  
1000

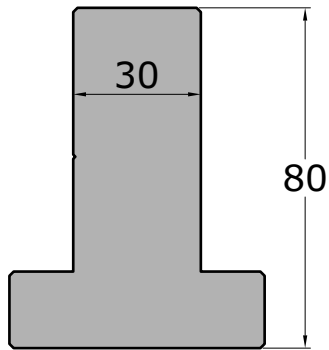




# MATRICES / DIES 45° - 60°

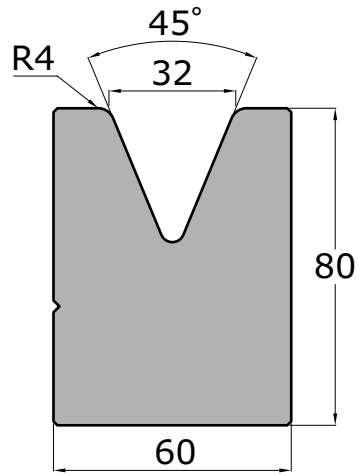
Code	V	$\alpha$	R	H	MT
TC2240AM	-	-	-	80.00	■

**Kn/m**  
1000



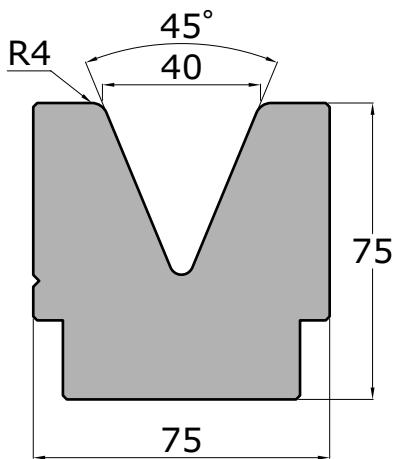
Code	V	$\alpha$	R	H	MT
TC2484AM	32	45°	4.00	80.00	■

**Kn/m**  
1000



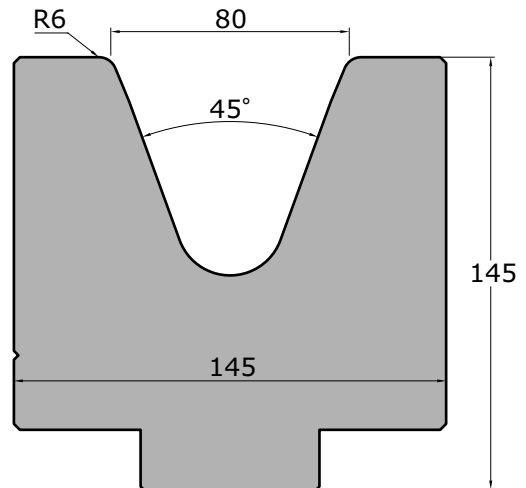
Code	V	$\alpha$	R	H	MT
TC2440AM	40	40°	4.00	75.00	■

**Kn/m**  
1000



Code	V	$\alpha$	R	H	MT
TC2380AM	80	45°	6.00	145.0	■

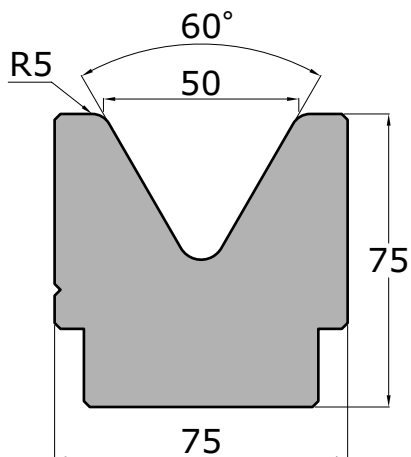
**Kn/m**  
1000



\*Available only: 200mm - 415mm - 800mm Sect.

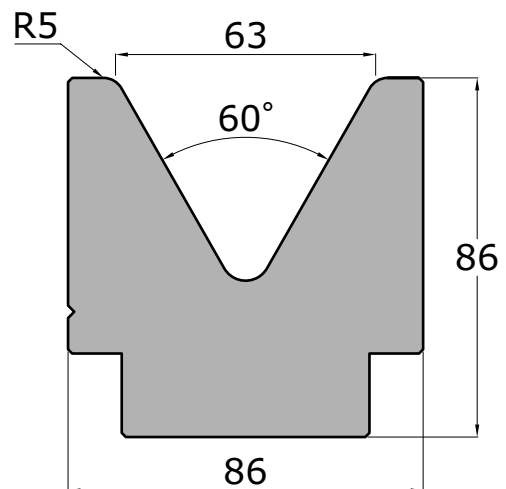
Code	V	$\alpha$	R	H	MT
TC2650AM	50	60°	5.00	75.00	■

**Kn/m**  
1000



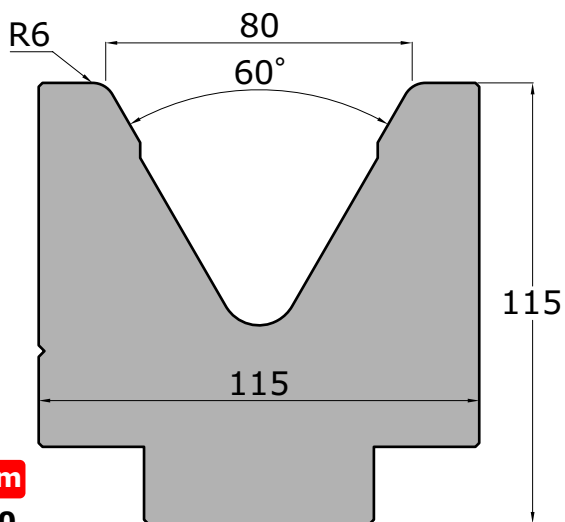
Code	V	$\alpha$	R	H	MT
TC2370AM	63	60°	5.00	86.00	■

**Kn/m**  
1000



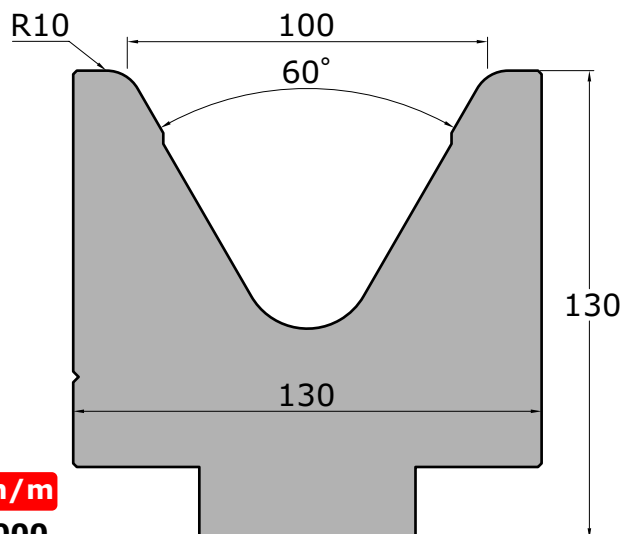
# MATRICES / DIES 60° - 80°

Code	V	$\alpha$	R	H	MT
TC2680AM	80	60°	6.00	115.0	■



**Kn/m**  
1000

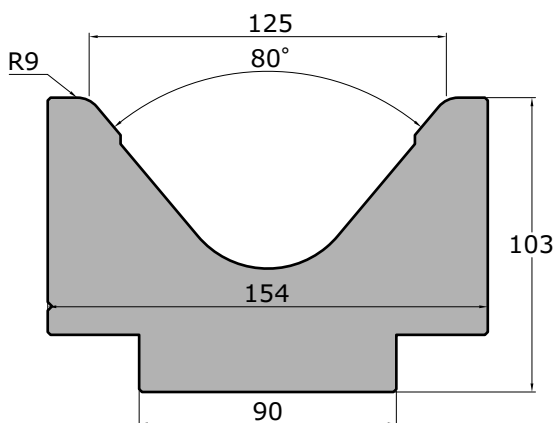
Code	V	$\alpha$	R	H	MT
TC2610AM	100	60°	10.0	130.0	■



**Kn/m**  
1000

Code	V	$\alpha$	R	H	MT
TC2216AM	125	80°	9.00	103.0	■

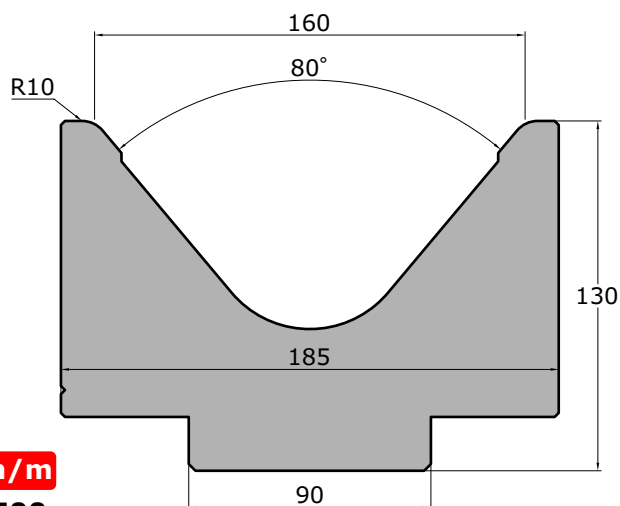
\*Available only: 200mm - 415mm - 800mm Sect.



**Kn/m**  
1500

Code	V	$\alpha$	R	H	MT
TC2380AM	160	80°	10.0	130.0	■

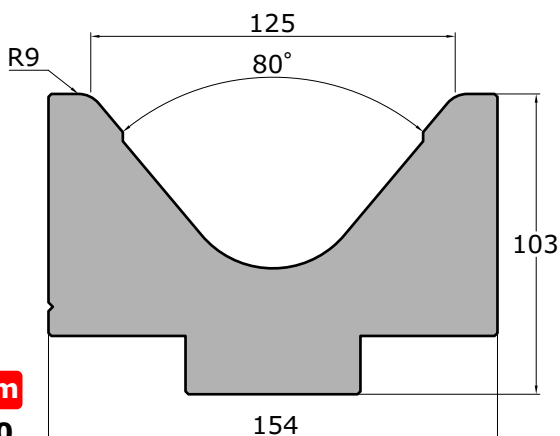
\*Available only: 200mm - 415mm - 800mm Sect.



**Kn/m**  
1500

Code	V	$\alpha$	R	H	MT
TC2125AM	125	80°	9.00	103.0	■

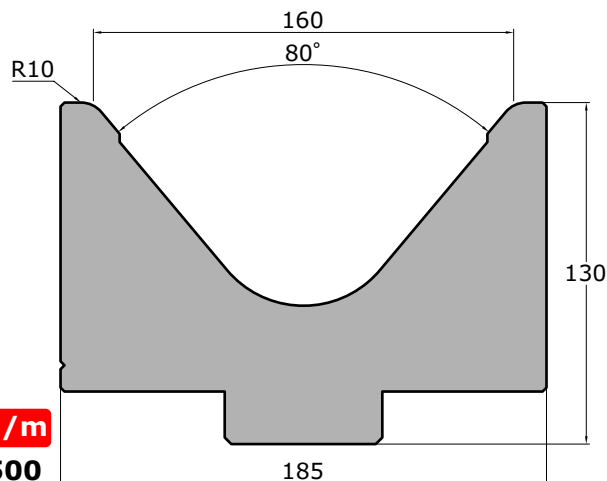
\*Available only: 200mm - 415mm - 800mm Sect.



**Kn/m**  
1500

Code	V	$\alpha$	R	H	MT
TC2160AM	160	80°	10.0	130.0	■

\*Available only: 200mm - 415mm - 800mm Sect.

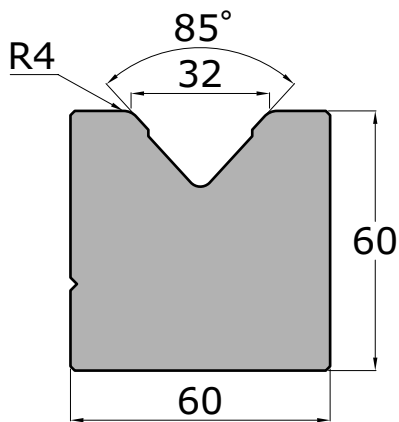


**Kn/m**  
1500

# MATRICES / DIES 85°

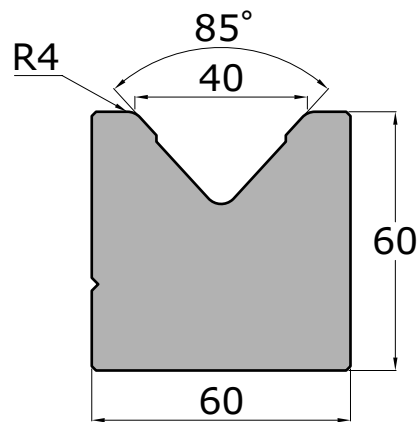
Code	V	$\alpha$	R	H	MT
TC2210AM	32	85°	4.00	60.00	■

**Kn/m**  
1000



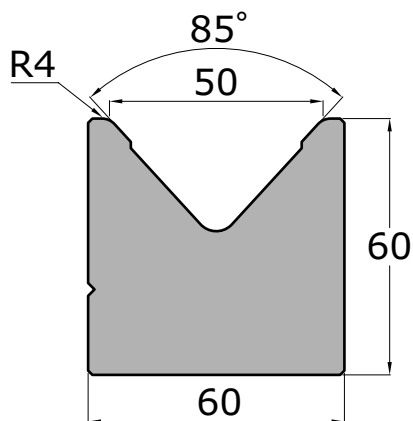
Code	V	$\alpha$	R	H	MT
TC2211AM	40	85°	4.00	60.00	■

**Kn/m**  
1000



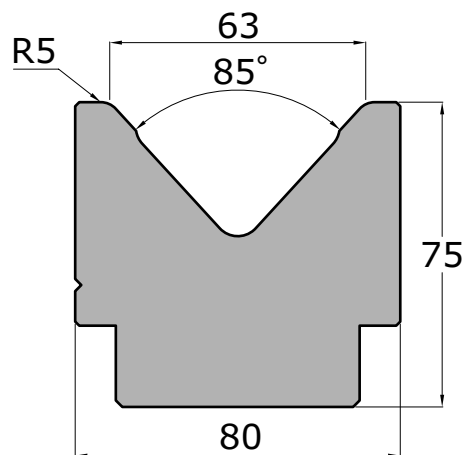
Code	V	$\alpha$	R	H	MT
TC2212AM	50	85°	4.00	60.00	■

**Kn/m**  
1000



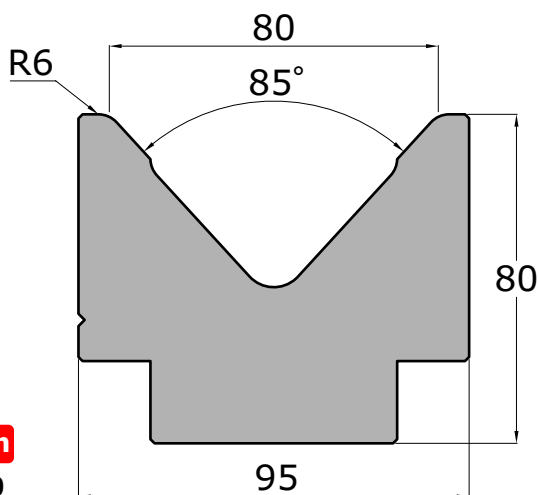
Code	V	$\alpha$	R	H	MT
TC2213AM	63	85°	5.00	75.00	■

**Kn/m**  
1000



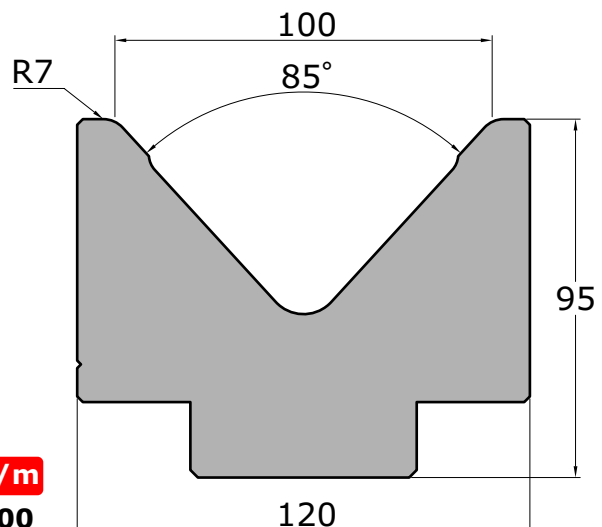
Code	V	$\alpha$	R	H	MT
TC2214AM	80	85°	6.00	80.00	■

**Kn/m**  
1000



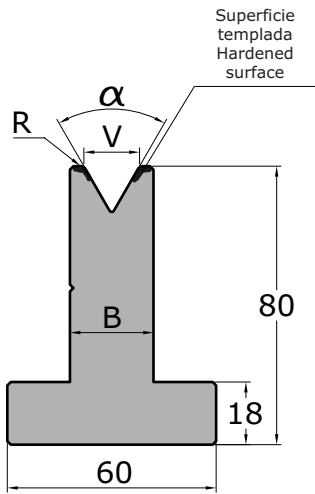
Code	V	$\alpha$	R	H	MT
TC2215AM	100	85°	7.00	95.00	■

**Kn/m**  
1000



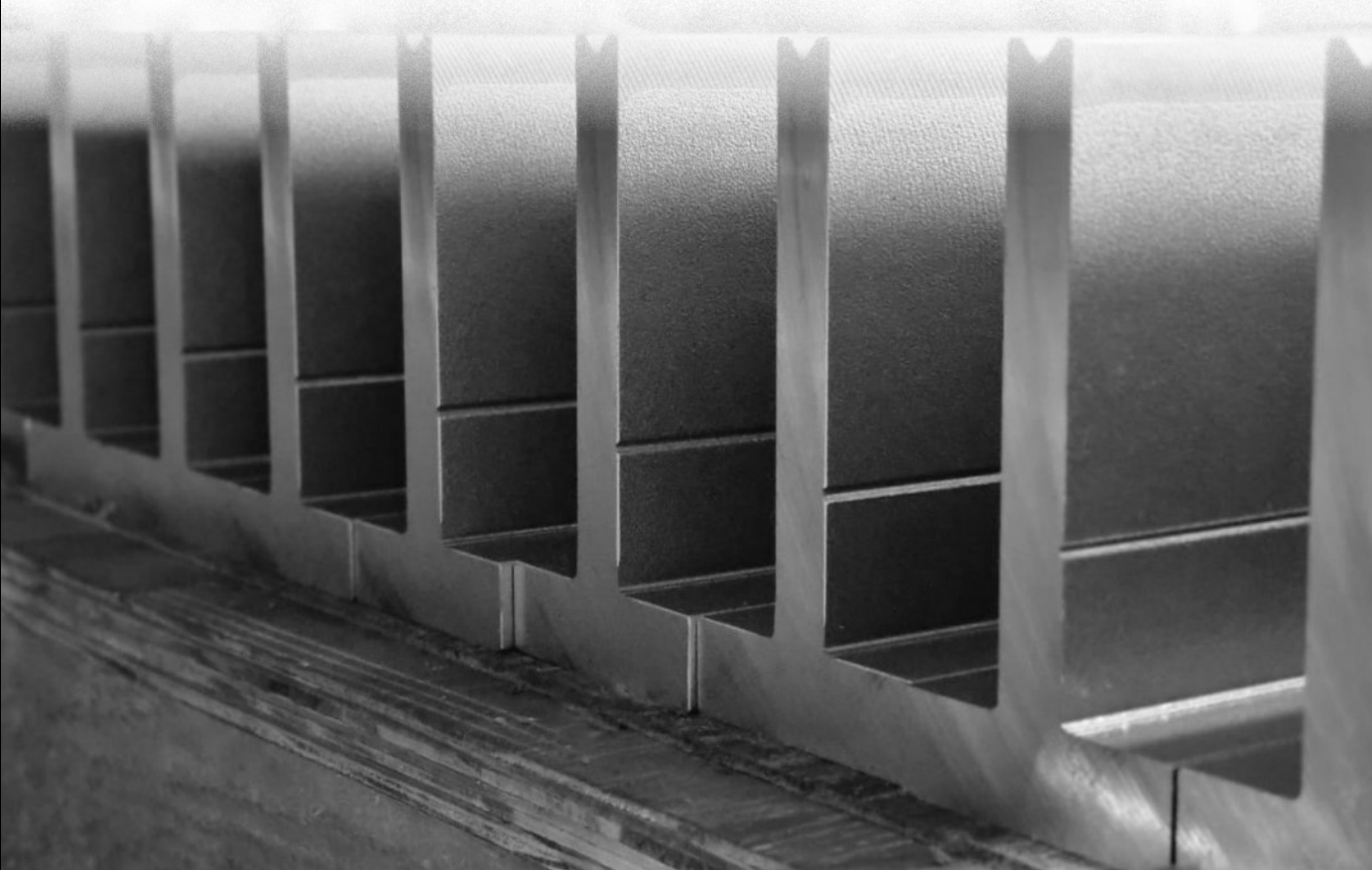
AMADA PROMTECGAM®

# MATRICES / DIES H=80

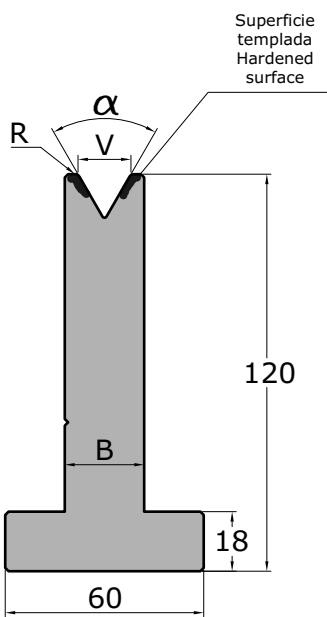


**LONGITUD ESTÁNDAR**  
*STANDARD LEGHT*  
**415mm**  
**835mm**  
**800mm sect.**

Code	$\alpha$	V	R	B	Kn/m	MT
TC2317AM	30°	6	0.60	14	350	■
TC2318AM	30°	8	0.80	18	350	■
TC2319AM	30°	10	1.00	24	500	■
TC2320AM	30°	12	1.50	24	400	■
TC2321AM	30°	16	2.00	30	450	■
TC2322AM	30°	20	2.50	35	500	■
TC2323AM	30°	25	3.00	40	500	■
TC2406AM	35°	6	1.50	14	400	■
TC2408AM	35°	8	2.00	18	400	■
TC2410AM	35°	10	2.50	24	550	■
TC2412AM	35°	12	3.00	24	450	■
TC2416AM	35°	16	3.50	30	500	■
TC2420AM	35°	20	4.00	35	600	■
TC2425AM	35°	25	5.00	40	600	■
TC2297AM	60°	6	0.40	14	600	■
TC2298AM	60°	8	0.50	14	600	■
TC2299AM	60°	10	0.60	18	600	■
TC2300AM	60°	12	0.80	18	600	■
TC2301AM	60°	16	1.60	24	600	■
TC2308AM	60°	20	2.00	30	600	■
TC2311AM	60°	25	3.00	35	600	■
TC2506AM	85°	6	1.50	14	1000	■
TC2508AM	85°	8	2.00	14	1000	■
TC2510AM	85°	10	2.50	18	1000	■
TC2512AM	85°	12	3.00	18	1000	■
TC2516AM	85°	16	3.50	24	1000	■
TC2520AM	85°	20	4.00	30	1000	■
TC2525AM	85°	25	5.00	35	1000	■



# MATRICES / DIES H=120



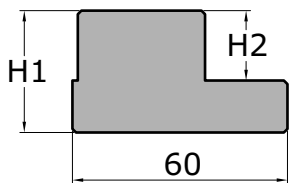
**LONGITUD ESTÁNDAR**  
**STANDARD LEGHT**  
**415mm**  
**835mm**  
**800mm sect.**

Code	$\alpha$	V	R	B	Kn/m	MT
TC2351AM	30°	6	0.60	14	350	■
TC2352AM	30°	8	0.80	18	350	■
TC2353AM	30°	10	1.00	24	500	■
TC2354AM	30°	12	1.50	24	400	■
TC2401AM	30°	16	2.00	30	450	■
TC2402AM	30°	20	2.50	35	500	■
TC2403AM	30°	25	3.00	40	500	■
TC2406AMH	35°	6	1.50	14	400	■
TC2408AMH	35°	8	2.00	18	400	■
TC2410AMH	35°	10	2.50	24	550	■
TC2412AMH	35°	12	3.00	24	450	■
TC2416AMH	35°	16	3.50	30	500	■
TC2420AMH	35°	20	4.00	35	600	■
TC2425AMH	35°	25	5.00	40	600	■
TC2386AM	60°	6	0.40	14	600	■
TC2387AM	60°	8	0.50	14	600	■
TC2388AM	60°	10	0.60	18	600	■
TC2389AM	60°	12	0.80	18	600	■
TC2390AM	60°	16	1.60	24	600	■
TC2391AM	60°	20	2.00	30	600	■
TC2392AM	60°	25	3.00	35	600	■
TC2506AMH	85°	6	1.50	14	1000	■
TC2508AMH	85°	8	2.00	14	1000	■
TC2510AMH	85°	10	2.50	18	1000	■
TC2512AMH	85°	12	3.00	18	1000	■
TC2516AMH	85°	16	3.50	24	1000	■
TC2520AMH	85°	20	4.00	30	1000	■
TC2525AMH	85°	25	5.00	35	1000	■

AMADA PROMIEGAM®

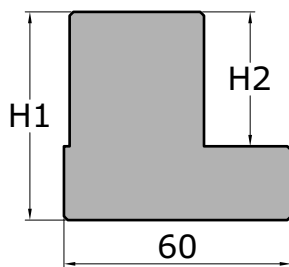
# SOPORTE MATRICES 2V / 2V DIE HOLDERS

**Code** **H1** **H2**  
**TC2200AMS** 34.0 20.0



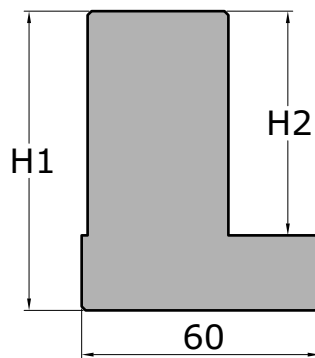
**Kn/m** **MT**  
 1000 ■

**Code** **H1** **H2**  
**TC2201AMS** 55.0 35.0



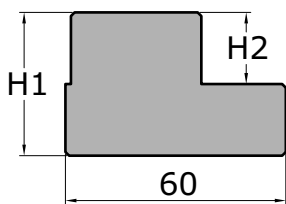
**Kn/m** **MT**  
 1000 ■

**Code** **H1** **H2**  
**TC2202AMS** 75.0 55.0



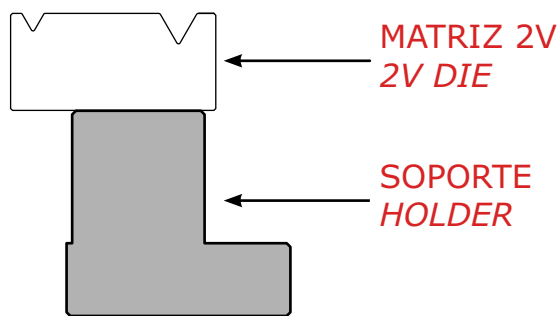
**Kn/m** **MT**  
 1000 ■

**Code** **H1** **H2**  
**TC2316AMS** 39.0 20.0

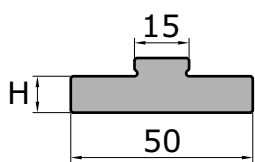


**Kn/m** **MT**  
 1000 ■

## ENSAMBLAJE / ASSEMBLY

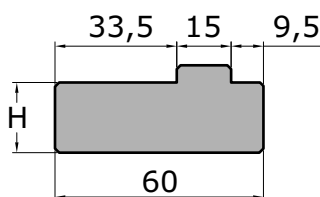


**Code** **H**  
**TC2287AMS** 10.0



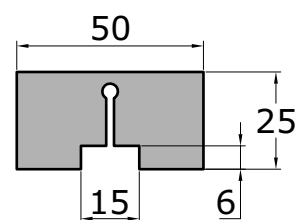
**Kn/m** **MT**  
 1000 ■

**Code** **H**  
**TC2400AMS** 20.0



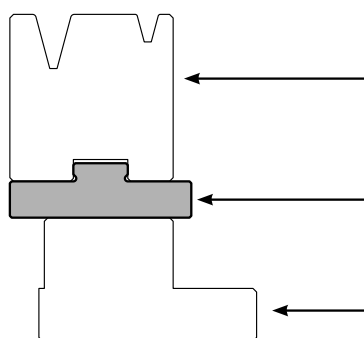
**Kn/m** **MT**  
 1000 ■

**Code**  
**TC2336AMS**

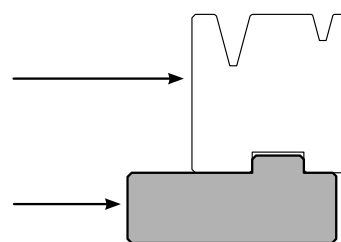


**MT**  
 ■

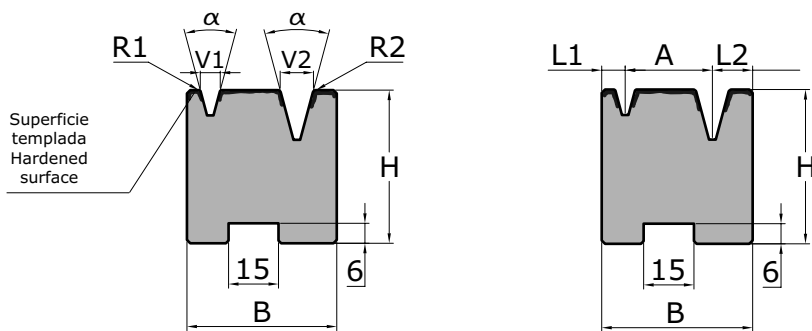
## ENSAMBLAJE / ASSEMBLY



MATRIZ AUTO - CENTRANTE  
 SELF CENTERING DIE  
 SOPORTE PARA MATRIZ  
 AUTOCENTRANTE  
 RAIL FOR SELF CENTERING  
 DIE  
 SOPORTE PARA  
 MATRIZ  
 DIE HOLDER



## MATRICES 2V / 2V DIES H=46

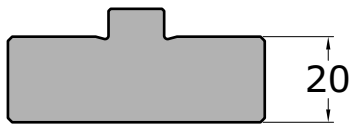


**LONGITUD ESTÁNDAR**  
**STANDARD LEGHT**  
**415mm**  
**835mm**  
**800mm sect.**

Code	$\alpha$	V1	V2	R1	R2	L1	L2	H	B	A	Kn/m	MT
TC2438AM	30°	6	10	0.60	1.00	7.00	12.0	46	45.0	26	400	■
TC2478AM	30°	8	12	0.80	1.50	9.50	14.5	46	50.0	26	400	■
TC2344AM	85°	4	7	0.60	1.00	3.50	5.00	46	34.5	26	800	■
TC2345AM	85°	6	10	1.00	1.50	4.50	6.50	46	37.0	26	800	■
TC2346AM	85°	8	12	1.20	1.75	5.50	7.5	46	39.0	26	800	■
TC2347AM	85°	12	20	1.75	2.50	7.50	12.0	46	45.5	26	800	■
TC2349AM	85°	14	18	1.50	2.00	8.50	10.5	46	45.0	26	800	■
TC2348AM	85°	16	25	2.00	3.00	9.50	14.5	46	50.0	26	800	■

## MATRICES DE RODILLO / ROLLER DIES

**Code** **MT**  
**TC2701AM** ■



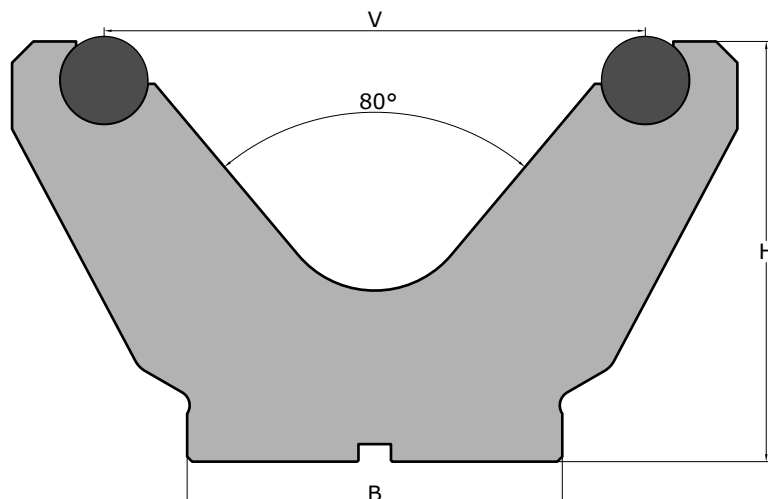
**SOPORTE/HOLDER**



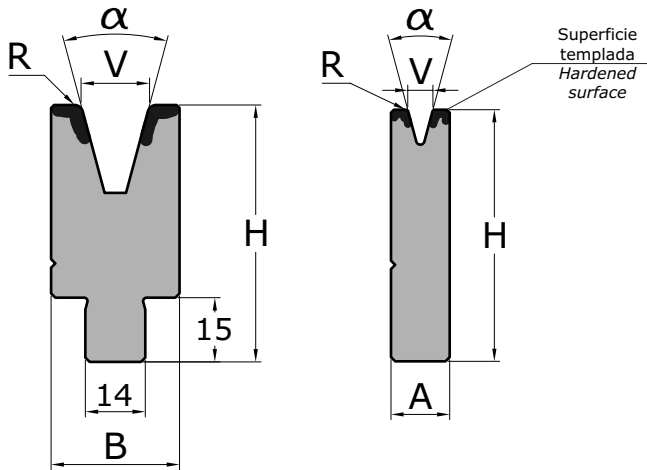
LONGITUD DISPONIBLE PARA SOPORTES Y MATRIZ  
 LEGHT AVAILABLE FOR DIE & HOLDER

**100m/m**

Code	V	H	B	Kn/m	MT
TC2720AM	200	170.0	150.0	2000	■
TC2725AM	250	200.0	200.0	2000	■
TC2732AM	320	250.0	240.0	2000	■



# INSERTOS MATRIZ / DIE INSERTS



## SOPORTE/HOLDER

**Code**

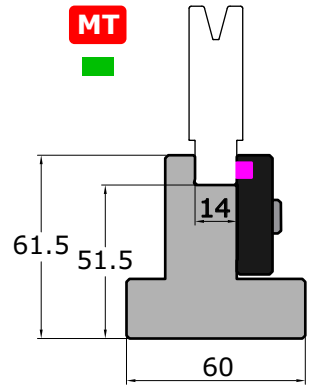
**TC2010AM**

**TC2020AM**

Con cierre rápido  
With fast lock

LONGITUD ESTÁNDAR  
STANDARD LEGHT

**415mm**  
**835mm**



LONGITUD ESTÁNDAR  
STANDARD LEGHT **415mm / 835mm / 800mm sect.**

Code	$\alpha$	V	R	H	B	A	Kn/m	MT
TC2306AMI	30°	6	0.60	60	14.0	14	350	■
TC2308AMI	30°	8	0.80	60	18.0	14	350	■
TC2310AMI	30°	10	1.00	60	24.0	14	500	■
TC2312AMI	30°	12	1.50	60	24.0	14	400	■
TC2316AMI	30°	16	2.00	60	30.0	14	450	■
TC2320AMI	30°	20	2.50	60	35.0	14	500	■
TC2325AMI	30°	25	3.00	65	45.0	14	500	■
TC2432AMI	45°	32	5.00	80	50.0	14	1000	■
TC2440AMI	45°	40	5.00	80	60.0	14	1000	■
TC2606AMI	60°	6	0.60	60	12.0	14	380	■
TC2608AMI	60°	8	0.80	60	13.5	14	450	■
TC2610AMI	60°	10	1.00	60	16.0	14	550	■
TC2612AMI	60°	12	1.20	60	17.0	14	550	■
TC2616AMI	60°	16	1.60	60	22.0	14	650	■
TC2620AMI	60°	20	2.00	60	28.0	14	850	■
TC2625AMI	60°	25	2.50	60	31.0	14	850	■
TC2632AMI	84°	32	4.00	60	38.0	14	1000	■
TC2640AMI	84°	40	4.00	60	46.0	14	1000	■
TC2904AMI	86°	4	1.00	60	10.0	14	750	■
TC2906AMI	86°	6	1.50	60	11.0	14	800	■
TC2908AMI	86°	8	1.50	60	12.0	14	900	■
TC2910AMI	86°	10	1.50	60	13.5	14	1000	■
TC2912AMI	86°	12	2.50	60	15.0	14	1000	■
TC2914AMI	86°	14	2.50	60	17.0	14	1000	■
TC2916AMI	86°	16	2.50	60	20.0	14	1000	■
TC2918AMI	86°	18	2.50	60	22.0	14	1000	■
TC2920AMI	86°	20	2.50	60	24.4	14	1000	■
TC2925AMI	86°	25	3.00	60	29.6	14	1000	■

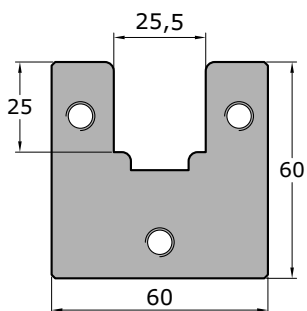


LONGITUD ESTÁNDAR  
STANDARD LEGHT

415mm / 835mm

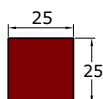
Code

TC2271AM



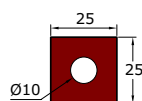
Code

TC2292AM



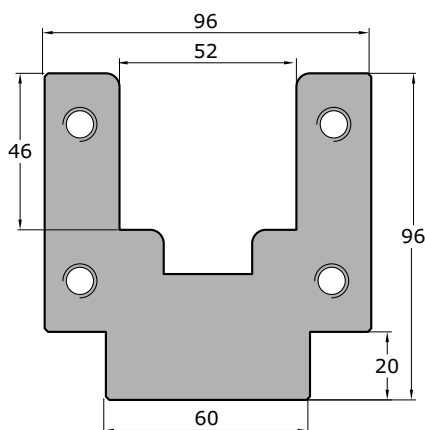
Code

TC292AM



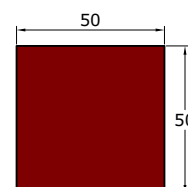
Code

TC2272AM



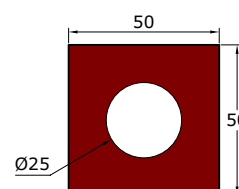
Code

TC2291AM



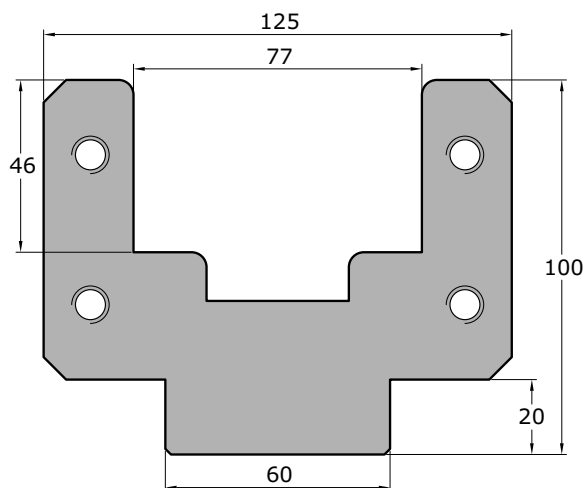
Code

TC291AM



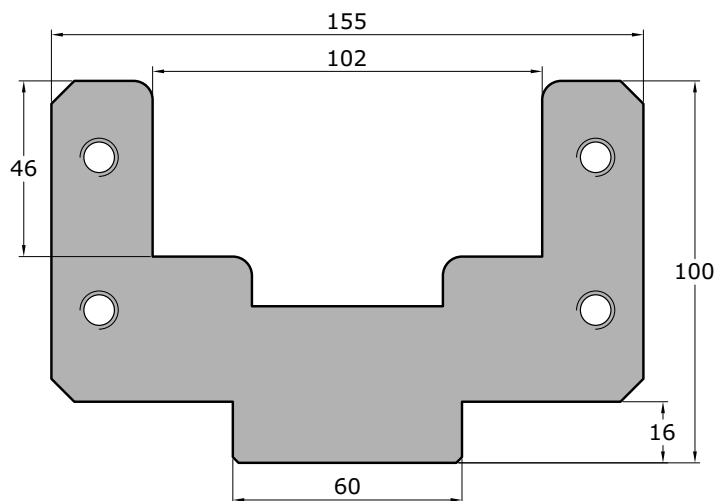
Code

TC2273AM



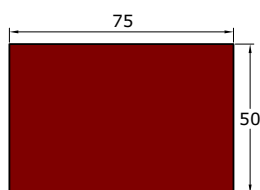
Code

TC2272AM



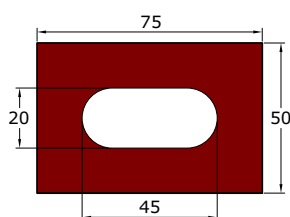
Code

TC2290AM



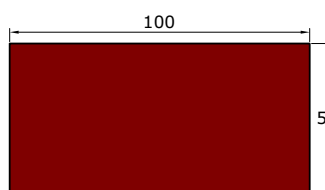
Code

TC290AM



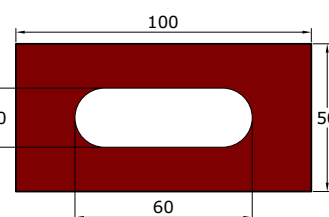
Code

TC2289AM



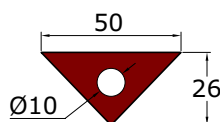
Code

TC289AM



Code

TC2280AM\*



\*INSERTO PARA TC2207AM  
\*INSERT FOR TC2207AM

# SOPORTES E INSERTOS DE NYLON / HOLDERS AND NYLON INSERTS



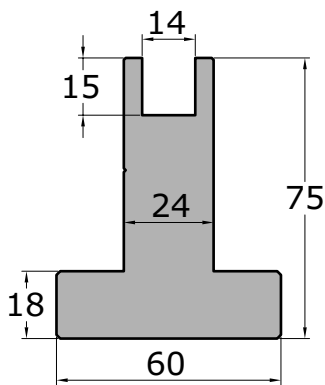
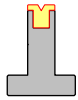
**LONGITUD ESTÁNDAR**  
STANDARD LENGTH

**415mm / 835mm**

**Code**

**TC2001AM**

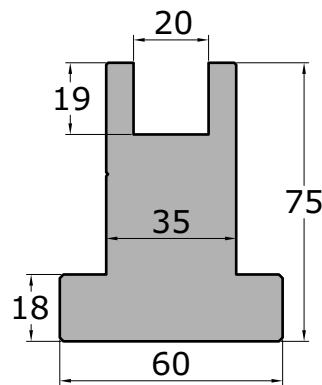
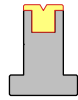
**MT**



**Code**

**TC2002AM**

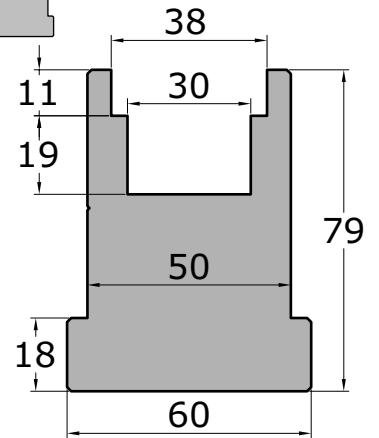
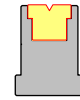
**MT**



**Code**

**TC2003AM**

**MT**



**Code**

**$\alpha$**

**V**

TC306AMS	30°	6
TC308AMS	30°	8
TC406AMS	45°	6
TC408AMS	45°	8
TC410AMS	45°	10
TC606AMS	60°	6
TC608AMS	60°	8
TC610AMS	60°	10

**Code**

**$\alpha$**

**V**

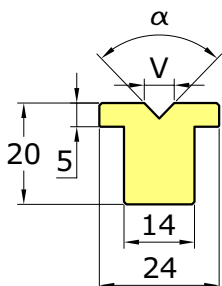
TC306AMM	30°	6
TC308AMM	30°	8
TC310AMM	30°	10
TC406AMM	45°	6
TC408AMM	45°	8
TC410AMM	45°	10
TC412AMM	45°	12
TC606AMM	60°	6
TC608AMM	60°	8
TC610AMM	60°	10
TC612AMM	60°	12
TC616AMM	60°	16

**Code**

**$\alpha$**

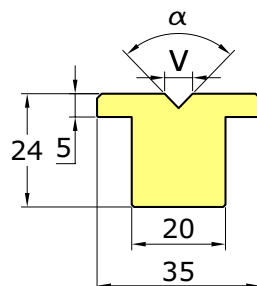
**V**

TC306AMT	30°	6
TC308AMT	30°	8
TC310AMT	30°	10
TC312AMT	30°	12
TC316AMT	30°	16
TC406AMT	45°	6
TC408AMT	45°	8
TC410AMT	45°	10
TC412AMT	45°	12
TC416AMT	45°	16
TC420AMT	45°	20
TC606AMT	60°	6
TC608AMT	60°	8
TC610AMT	60°	10
TC612AMT	60°	12
TC616AMT	60°	16
TC620AMT	60°	20



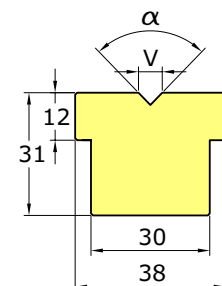
**Kn/m**

**200**



**Kn/m**

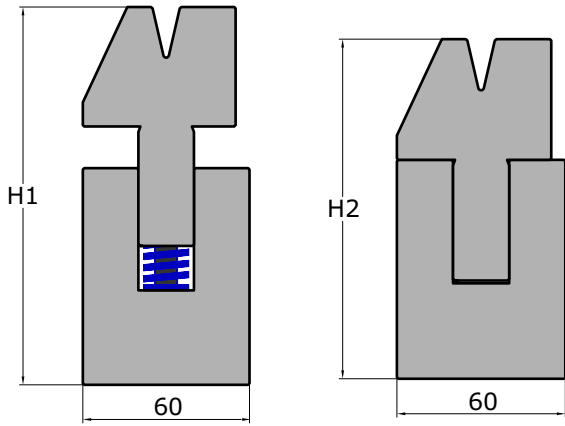
**200**



**Kn/m**

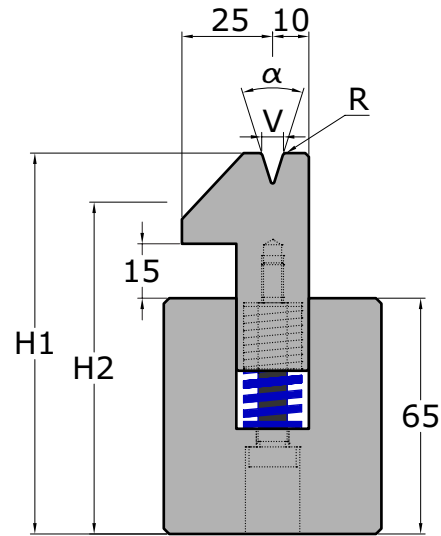
**200**

# MATRICES PLEGADO Y MACHACADO / HEMMING DIES



Code	V	$\alpha$	R	H1	H2
TC2264AM	6	35°	1.00	105.0	90.00

**MT**  
  
**Kn/m**  
**600**  
**MAX. e./thk.**  
**1**

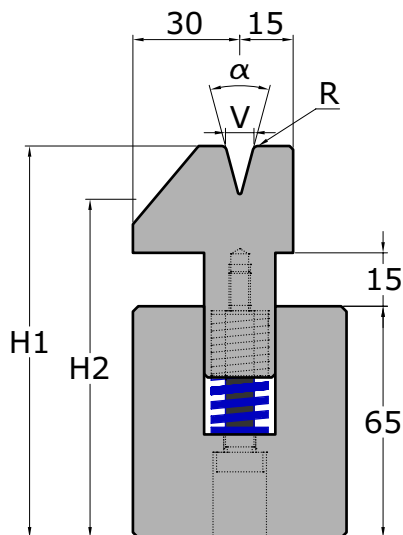


**LONGITUD ESTÁNDAR**  
**STANDARD LEGHT**     **415mm / 835mm**

Las herramientas de machacado están disponibles también en versión neumática. El código es el mismo que el estándar, con una "P" añadida al final. ej: TC2264AMP  
 Hemming tools are available also in pneumatic version. The code is the same as the standard version, with a "P" added in the end. ex: TC2264AMP

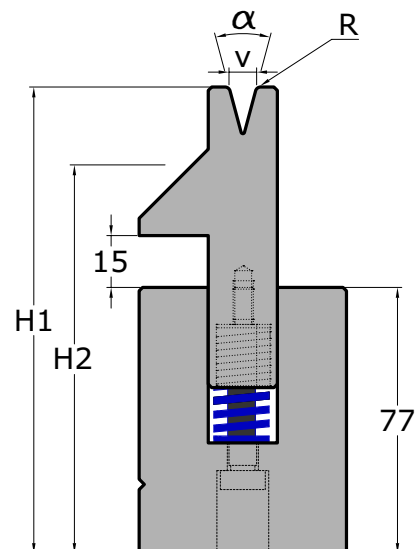
Code	V	$\alpha$	R	H1	H2
TC2303AM	8	30°	1.50	110.0	95.00

**MT**  
  
**Kn/m**  
**800**  
**MAX. e./thk.**  
**1,5**



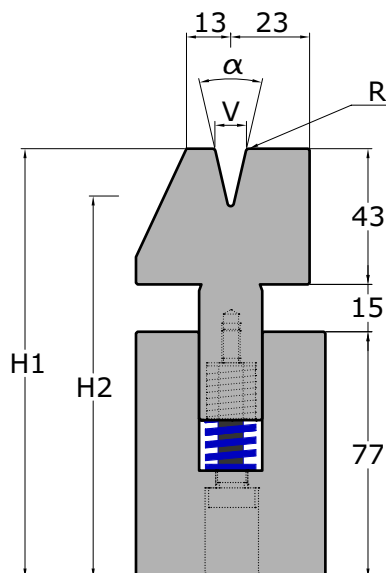
Code	V	$\alpha$	R	H1	H2
TC2450AM	8	30°	1.50	135.0	120.0

**MT**  
  
**Kn/m**  
**600**  
**MAX. e./thk.**  
**1,5**



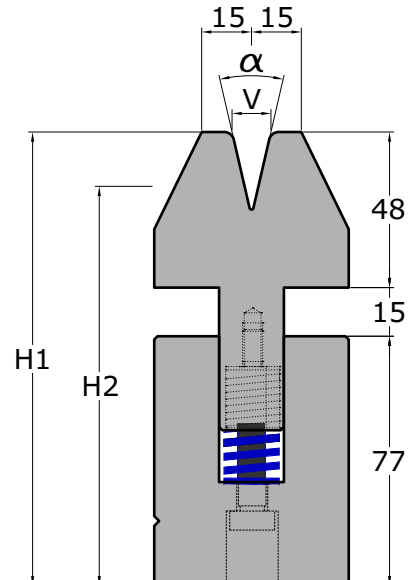
Code	V	$\alpha$	R	H1	H2
TC2231AM	10	26°	1.50	135.0	120.0

**MT**  
  
**Kn/m**  
**1000**  
**MAX. e./thk.**  
**2**

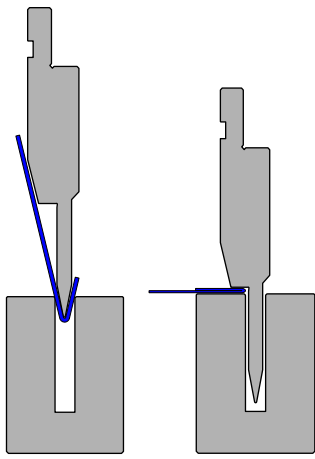


Code	V	$\alpha$	R	H1	H2
TC2305AM	12	26°	3.00	140.0	125.0

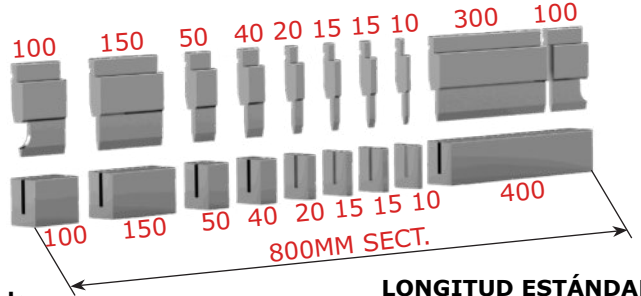
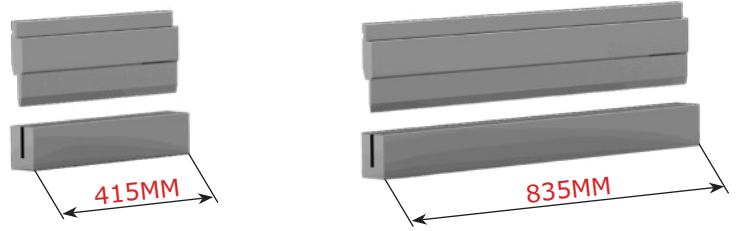
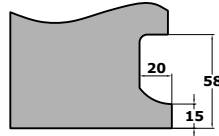
**MT**  
  
**Kn/m**  
**1000**  
**MAX. e./thk.**  
**3**



# PLEGADO Y MACHACADO / HEMMING TOOLS



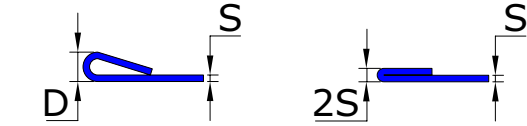
**Bigornia estándar**  
Horn Type:



La carga máxima de las bigornias corresponde al 50% de la carga máxima indicada en el punzón.  
The horns' max load is 50% of the max load of the punch.

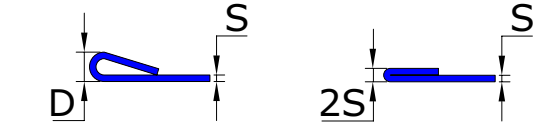
LONGITUD ESTÁNDAR  
STANDARD LENGTH

**$\sigma \approx 450 \text{ N/mm}^2$**



S [mm]	F [kN/m]	D [mm]	F [kN/m]	2S [mm]
0.60	90	3.0	230	1.2
0.80	120	3.0	320	1.6
1.00	150	3.5	400	2.0
1.25	170	3.5	500	2.5
1.50	220	4.6	630	3.0
2.00	300	5.5	800	4.0
2.50	550	6.5	900	5.0
3.00	700	8.0	1000	6.0

**$\sigma \approx 700 \text{ N/mm}^2$**



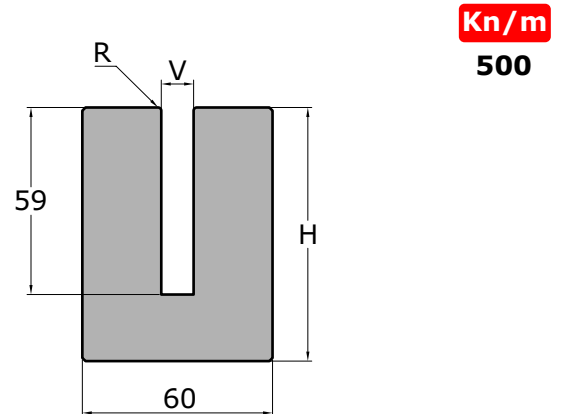
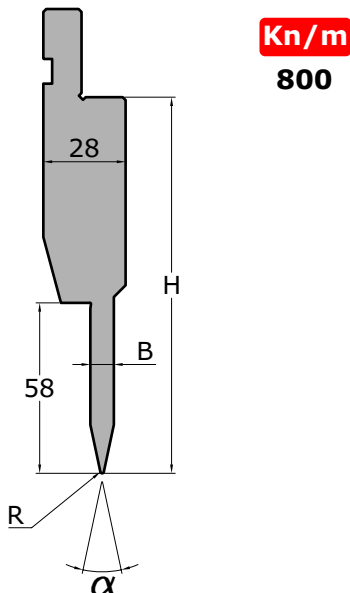
S [mm]	F [kN/m]	D [mm]	F [kN/m]	2S [mm]
0.60	150	3.0	350	1.2
0.80	200	3.0	500	1.6
1.00	250	3.5	600	2.0
1.25	260	3.5	800	2.5
1.50	380	4.6	950	3.0
2.00	500	5.5	1300	4.0

**ÚTIL SUPERIOR / UPPER TOOL**

Code	$\alpha$	B	R	H	MT
TC1550AM	24°	8	0.60	128.0	■
TC1554AM	24°	10	0.60	128.0	■
TC1560AM	24°	12	0.60	128.0	■

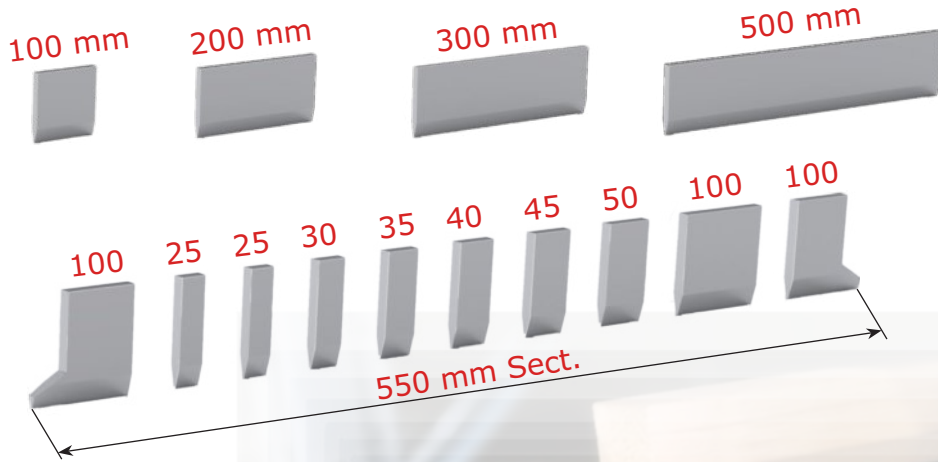
**ÚTIL SUPERIOR / UPPER TOOL**

Code	V	R	H	MT
TC2550AM	8,2	1.00	80.00	■
TC2554AM	10.2	1.00	80.00	■
TC2560AM	12.2	1.00	80.00	■



# PORTA CUCHILLAS Y CUCHILLAS / BLADE HOLDER & BLADES

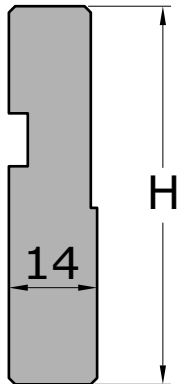
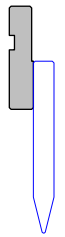
LONGITUD ESTÁNDAR  
STANDARD LENGTH



AMADA PROMIEGAM<sup>®</sup>

**Code**  
TC1400AM

**H** 100.0 **Kn/m** 250 **MT** ■

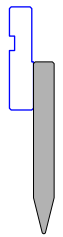


LONGITUD ESTÁNDAR  
STANDARD LENGTH

100mm  
200mm  
300mm  
500mm  
488mm Sect.

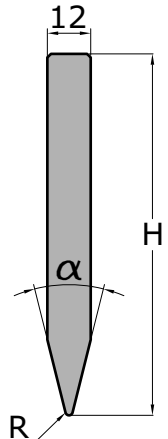
**Kn/m** 1000

Code	$\alpha$	R	H	MT
TC776TR	86°	1.00	100.0	■
TC774TR	84°	1.00	100.0	■
TC769TR	28°	6.00	100.0	■
TC768TR	28°	5.00	100.0	■
TC767TR	28°	4.00	100.0	■
TC766TR	28°	3.00	100.0	■
TC765TR	28°	2.00	100.0	■
TC763TR	28°	1.00	100.0	■
TC761TR	28°	0.50	100.0	■



LONGITUD ESTÁNDAR  
STANDARD LENGTH

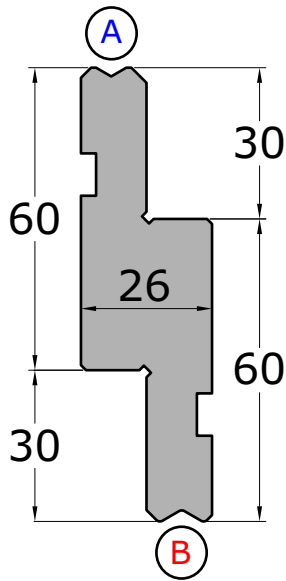
100mm  
200mm  
300mm  
500mm  
550mm Sect.



# SOPORTES PARA RADIOS / RADIUS HOLDERS

**Code**  
TC1180AM

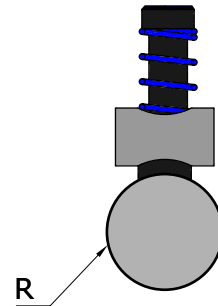
**Kn/m** 800 **MT** ■



**LONGITUD ESTÁNDAR** 412mm  
**STANDARD LEGHT** 830mm

**PARA TC1180AM / FOR TC1180AM**

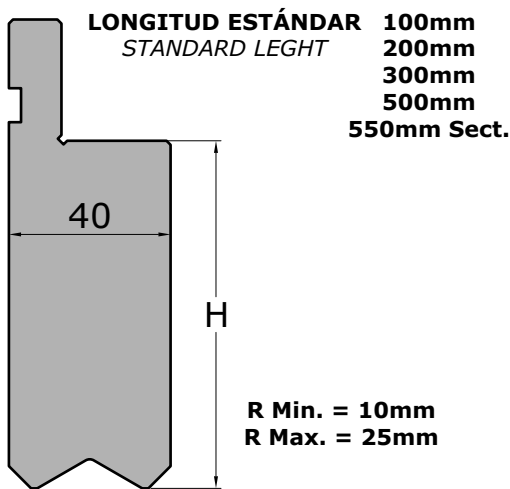
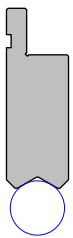
Code	R	LADO SIDE	MT
TC1181AM	3.00	A	<span style="color: green;">■</span>
TC1182AM	3.50	A	<span style="color: green;">■</span>
TC1183AM	4.00	A	<span style="color: green;">■</span>
TC1184AM	4.50	A	<span style="color: green;">■</span>
TC1185AM	5.00	B	<span style="color: green;">■</span>
TC1186AM	5.50	B	<span style="color: green;">■</span>
TC1187AM	6.00	B	<span style="color: green;">■</span>
TC1188AM	6.50	B	<span style="color: green;">■</span>



\*Partes de recambio disponibles  
\*Spare parts available

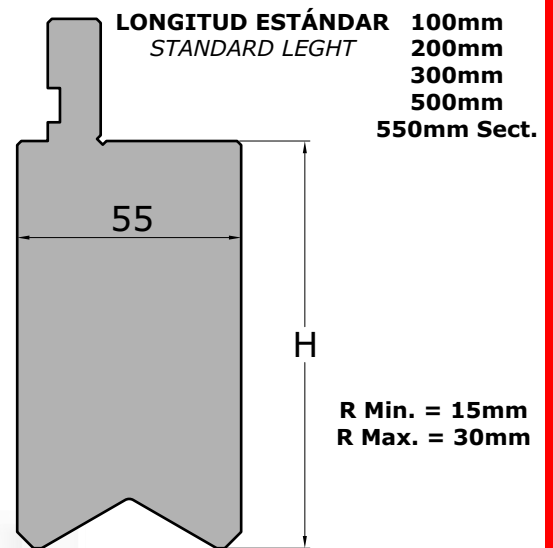
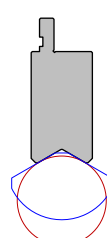
**Code**  
TC1192AM

**H** 86.00 **Kn/m** 1300 **MT** ■

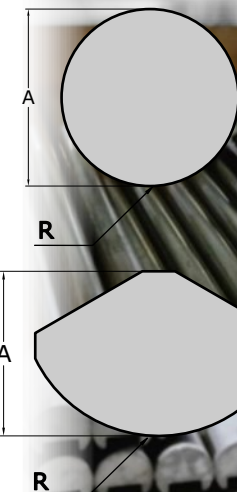


**Code**  
TC1193AM

**H** 100.0 **Kn/m** 1500 **MT** ■



**PARA TC1192AM Y TC1193AM / FOR TC1192AM & TC1193AM**



Code	R	A	MT
TC030AMR	10.0	20.0	<span style="color: yellow;">■</span>
TC031AMR	12.5	25.0	<span style="color: yellow;">■</span>
TC032AMR	15.0	30.0	<span style="color: yellow;">■</span>
TC033AMR	17.5	35.0	<span style="color: yellow;">■</span>
TC034AMR	20.0	40.0	<span style="color: yellow;">■</span>
TC035AMR	25.0	50.0	<span style="color: yellow;">■</span>
TC036AMR	30.0	60.0	<span style="color: yellow;">■</span>
TC037AMR	35.0	70.0	<span style="color: yellow;">■</span>
TC038AMR	40.0	80.0	<span style="color: yellow;">■</span>
TC039AMR	45.0	89.0	<span style="color: yellow;">■</span>
TC040AMR	50.0	60.0	<span style="color: yellow;">■</span>

**LONGITUD ESTÁNDAR**  
**STANDARD LEGHT**  
100mm  
200mm  
300mm  
500mm  
550mm Sect.

# SOPORTES PARA RADIOS / RADIUS HOLDERS

**Code**

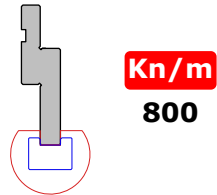
**H**

**MT**

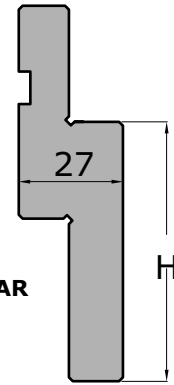
**TC1115AM**

**67.00**

**■**



**Kn/m**  
**800**



**LONGITUD ESTÁNDAR**  
**STANDARD LEGHT**  
**412mm**  
**830mm**

**Code**

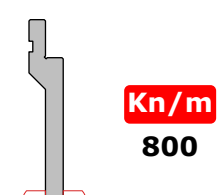
**H**

**MT**

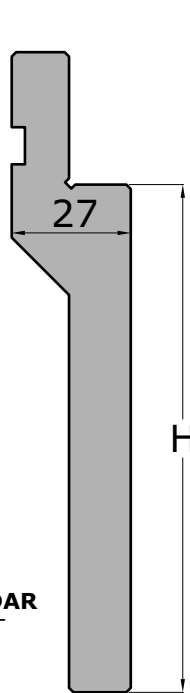
**TC1116AM**

**115.0**

**■**



**Kn/m**  
**800**



**LONGITUD ESTÁNDAR**  
**STANDARD LEGHT**  
**412mm**  
**830mm**

**Code**

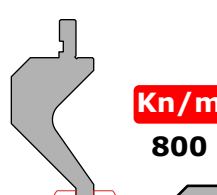
**H**

**MT**

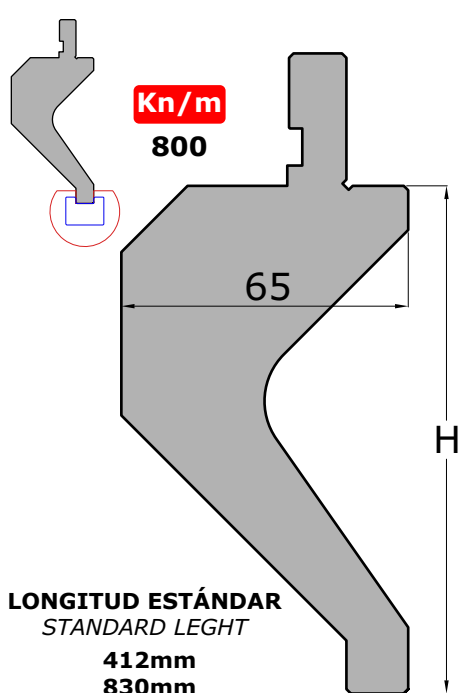
**TC1191AM**

**115.0**

**■**



**Kn/m**  
**800**



**LONGITUD ESTÁNDAR**  
**STANDARD LEGHT**  
**412mm**  
**830mm**

**Code**

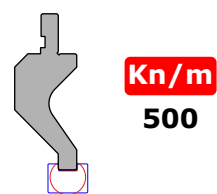
**H**

**MT**

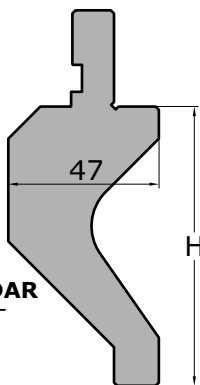
**TC1190AM**

**87.00**

**■**

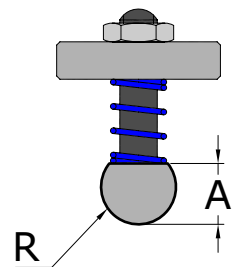


**Kn/m**  
**500**



**LONGITUD ESTÁNDAR**  
**STANDARD LEGHT**  
**412mm**  
**830mm**

## PARA / FOR TC1115AM / TC1116AM / TC1190AM / TC1191AM

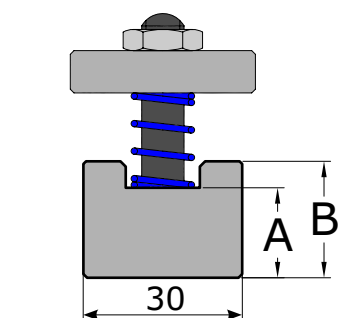


Code	R	A
TC1300AM	7.00	11.5
TC1301AM	7.50	11.5
TC1302AM	8.00	13.0
TC1303AM	9.00	16.0
TC1304AM	10.0	16.0
TC1305AM	11.0	16.0
TC1306AM	11.5	19.0
TC1307AM	12.0	20.0

**MT** \*El código para la versión 42CrMo4 nitrurado añadir una H (ej.: TC1300AMH)  
\*The code for the version 42CrMo4 nitrided contains an H (ex: TC1300AMH)

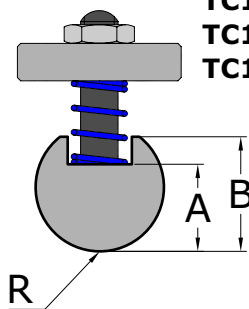
**LONGITUD ESTÁNDAR**  
**STANDARD LEGHT**  
**415mm**  
**835mm**

Code	A	B
TC1325AM	17.0	22.0



**LONGITUD ESTÁNDAR**  
**STANDARD LEGHT**  
**415mm**  
**835mm**

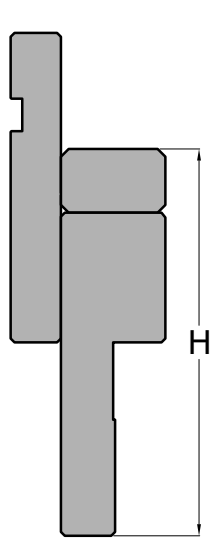
Code	R	A	B
TC1308AM	12.5	16.0	21.0
TC1309AM	13.0	17.0	23.0
TC1310AM	14.0	19.0	25.0
TC1311AM	15.0	20.0	27.0
TC1312AM	16.0	21.0	28.0
TC1313AM	17.0	21.5	31.5
TC1314AM	17.5	22.0	32.0
TC1315AM	19.0	25.0	32.0
TC1316AM	20.0	24.0	34.0
TC1317AM	22.5	25.0	33.0
TC1318AM	25.0	29.0	39.0
TC1319AM	27.5	34.0	44.0
TC1320AM	30.0	34.0	44.0
TC1321AM	35.0	45.0	55.0
TC1322AM	40.0	45.0	55.0
TC1323AM	45.0	50.0	60.0
TC1324AM	50.0	54.0	64.0



**LONGITUD ESTÁNDAR**  
**STANDARD LEGHT**  
**415mm**  
**835mm**

**MT** \*El código para la versión 42CrMo4 nitrurado añadir una H (ej.: TC1308AMH)  
\*The code for the version 42CrMo4 nitrided contains an H (ex: TC1308AMH)

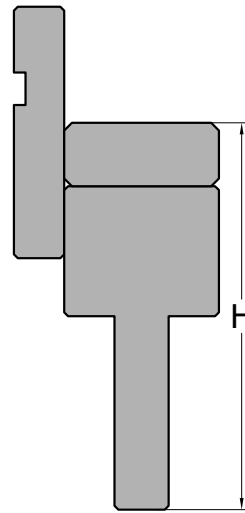
# INTERMEDIOS AJUSTABLES / ADJUSTABLE INTERMEDIATES



TIPO 1 / TYPE 1			
Code	L	H	MT
TC5666AM	150	100	■
TC5668AM	150	120	■
TC5512AM	150	150	■
TC5705AM	70	100	■
TC5706AM	70	120	■
TC5708AM	70	150	■

\*Mordazas NO INCLUIDAS  
\*Clamp plates NOT INCLUDED

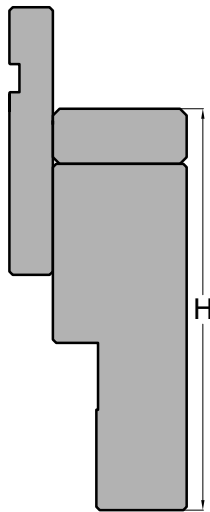
**Kn/m**  
1000



TIPO 2 / TYPE 2			
Code	L	H	MT
TC5680AM	150	100	■
TC5667AM	150	120	■
TC5669AM	150	150	■
TC5707AM	70	120	■
TC5710AM	70	150	■

\*Mordazas NO INCLUIDAS  
\*Clamp plates NOT INCLUDED

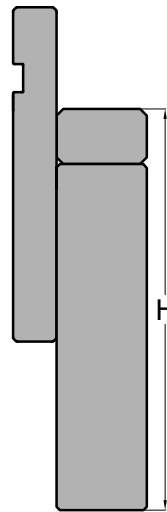
**Kn/m**  
1000



TIPO 3 / TYPE 3			
Code	L	H	MT
TC5673AM	150	120	■

\*Mordazas NO INCLUIDAS  
\*Clamp plates NOT INCLUDED

**Kn/m**  
1000



TIPO 4 / TYPE 4			
Code	L	H	MT
TC5674AM	150	120	■

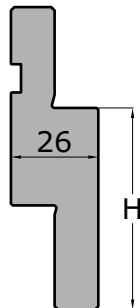
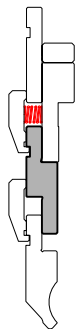
\*Mordazas NO INCLUIDAS  
\*Clamp plates NOT INCLUDED

**Kn/m**  
1000

## PROLONGADORES Y ADAPTADORES / EXTENSIONS & ADAPTERS

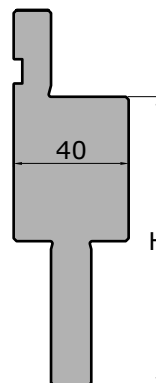
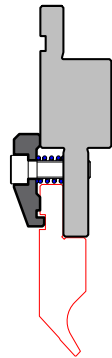
### EXTENSIÓN AMADA AMADA EXTENSION

Code	L	H	MT
TC5959AM	150	60.0	■



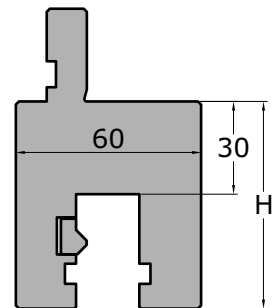
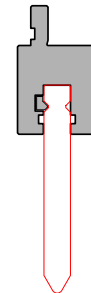
### EXTENSIÓN AMADA AMADA EXTENSION

Code	L	H	MT
TC5671AM	150	100	■



### ADAPTADOR AMADA-LVD AMADA-LVD ADAPTER

Code	L	H	MT
TC5430AM	150	67.0	■



**Kn/m**  
1000 \*Mordazas NO INCLUIDAS  
\*Clamp plates NOT INCLUDED

**Kn/m**  
1000 \*Mordazas NO INCLUIDAS  
\*Clamp plates NOT INCLUDED

**Kn/m**  
1000 \*Mordazas NO INCLUIDAS  
\*Clamp plates NOT INCLUDED

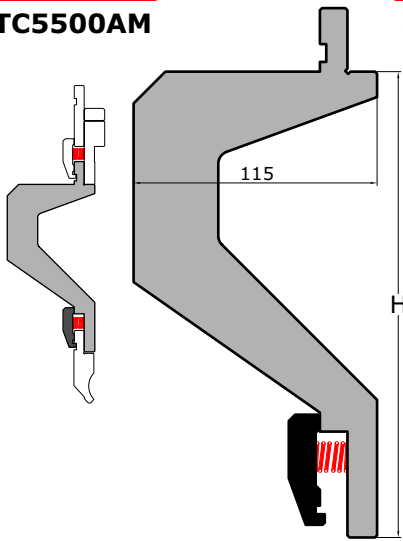


# PROLONGADORES Y ADAPTADORES / EXTENSIONS & ADAPTERS

## EXTENSIÓN AMADA AMADA EXTENSION

**Code**  
TC5500AM

**L** 200  
**H** 220  
**MT** ■

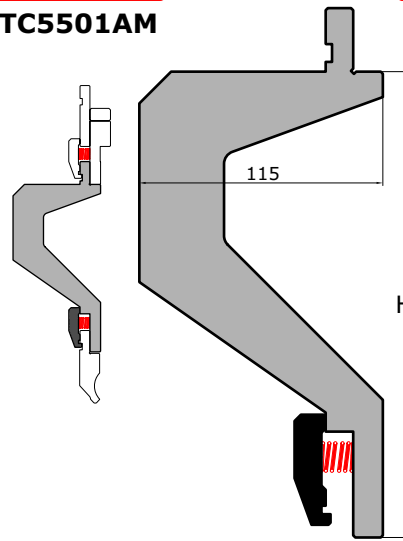


**Kn/m**  
900  
\*Mordazas NO INCLUIDAS  
\*Clamp plates NOT INCLUDED

## EXTENSIÓN AMADA AMADA EXTENSION

**Code**  
TC5501AM

**L** 200  
**H** 220  
**MT** ■



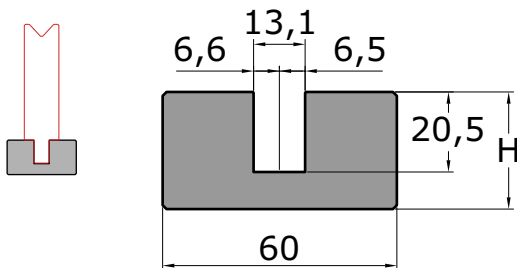
**Kn/m**  
900  
\*Mordazas NO INCLUIDAS  
\*Clamp plates NOT INCLUDED

## ADAPTADORES INFERIORES / LOWER ADAPTERS

### ADAPTADOR AMADA-WILA/BYSTRONIC ADAPTER AMADA-WILA/BYSTRONIC

**Code**  
TC6910AM

**H** 30.0  
**MT** ■



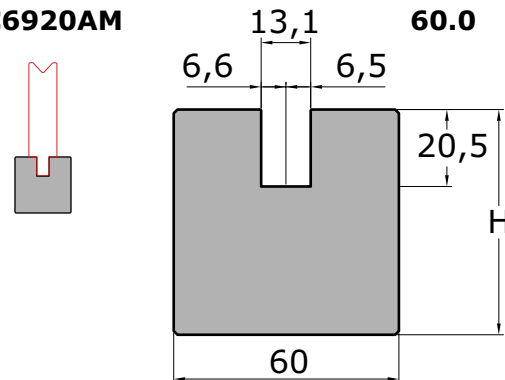
**LONGITUD ESTÁNDAR** 50mm  
STANDARD LEGHT 100mm  
200mm  
300mm  
500mm  
1000mm

**Kn/m**  
1000

### ADAPTADOR AMADA-WILA/BYSTRONIC ADAPTER AMADA-WILA/BYSTRONIC

**Code**  
TC6920AM

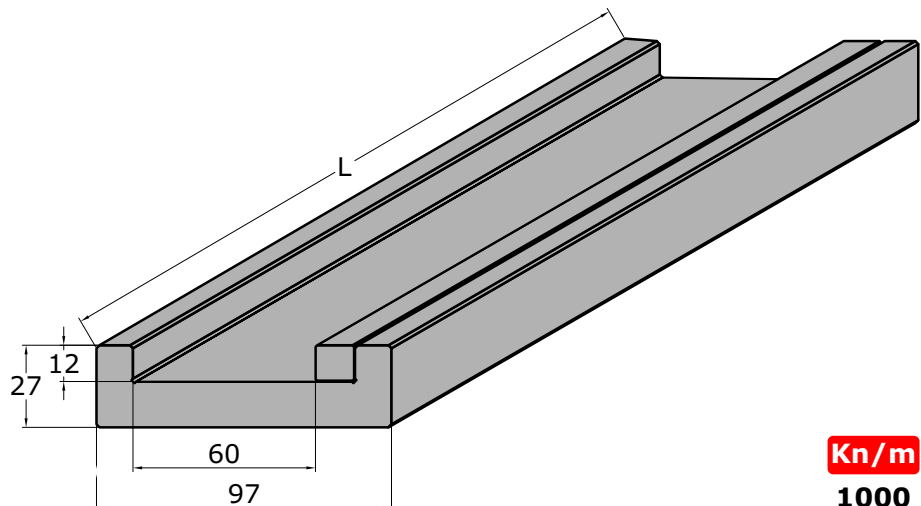
**H** 60.0  
**MT** ■



**LONGITUD ESTÁNDAR** 50mm  
STANDARD LEGHT 100mm  
200mm  
300mm  
500mm  
1000mm

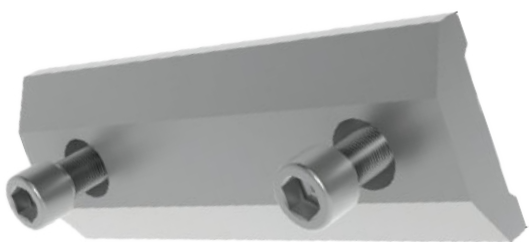
**Kn/m**  
1000

Code	L	MT
TC6680AM	2100	<span style="color: green;">■</span>
TC6681AM	2600	<span style="color: green;">■</span>
TC6682AM	3100	<span style="color: green;">■</span>
TC6683AM	4100	<span style="color: green;">■</span>



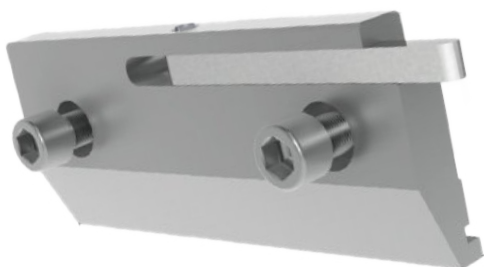
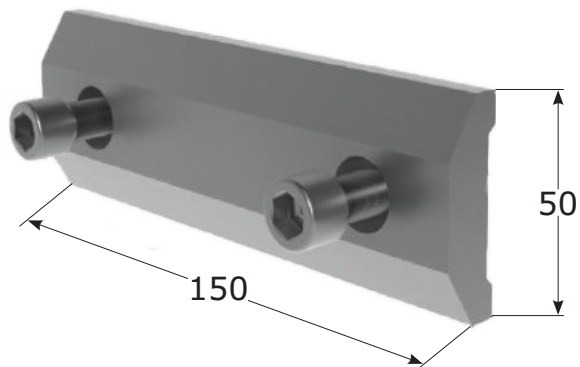
**Kn/m**  
1000

# MORDAZAS / CLAMP PLATES



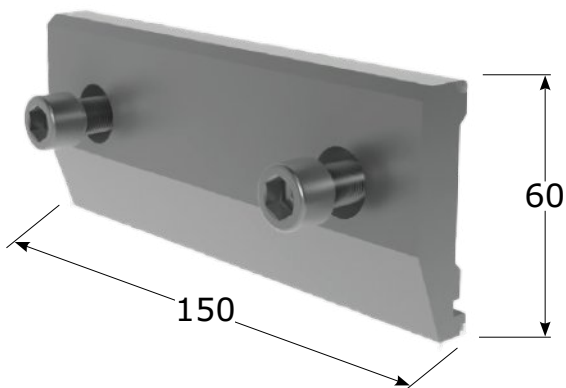
**MORDAZA**  
**CLAMP PLATE**

**Code**  
**TC5529AM**



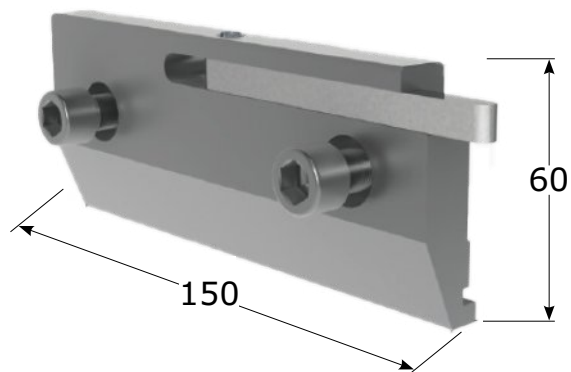
**MORDAZA DE SEGURIDAD**  
**SAFETY CLAMP PLATE**

**Code**  
**TC5571AM**



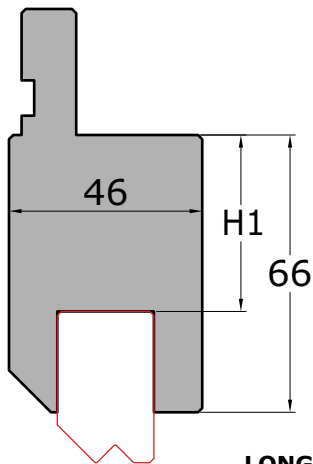
**MORDAZA DE SEGURIDAD**  
**CON PALANCA RETRÁCTIL**  
**SAFETY CLAMP PLATE WITH FOLDAWAY LEVER**

**Code**  
**TC5900AM**

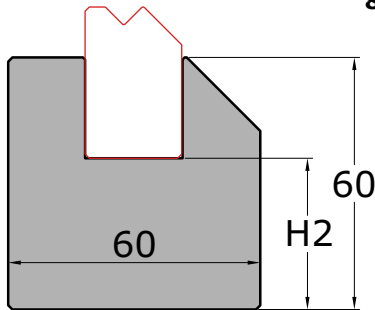


# PLIEGA Z / Z FOLDERS

Code	H1	H2	MT
TC4419AM	42.0	36.0	■



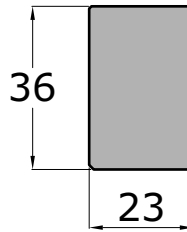
LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm



**Kn/m**  
1000

## INSERTOS INSERTS

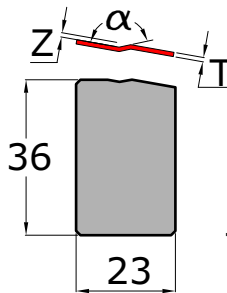
Code	$\alpha$	Z	R	T	MT
TC4500AM					■



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000

Code	$\alpha$	Z	R	T	MT
TC4510AM	160°	1.0	0.5	1.0	■
TC4515AM	160°	1.5	0.5	1.2	■
TC4520AM	150°	2.0	0.5	1.5	■
TC4525AM	140°	2.5	0.5	1.5	■

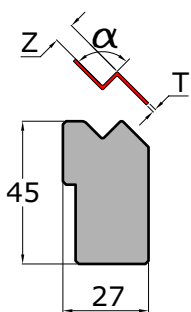


LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000

T=ESPESSOR MÁX.  
T=MAX. THICKNESS

Code	$\alpha$	Z	R	T	MT
TC4585AM	90°	8.5	0.8	2.0	■
TC4590AM	90°	9.0	0.8	2.0	■
TC4610AM	90°	10.0	0.8	2.0	■
TC4611AM	90°	11.0	1.0	2.0	■
TC4612AM	90°	12.0	1.0	2.0	■



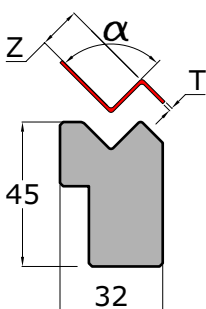
LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000

T=ESPESSOR MÁX.  
T=MAX. THICKNESS

Code	$\alpha$	Z	R	T	MT
TC4511AM	90°	1.0	0.3	0.5	■
TC4516AM	90°	1.5	0.3	0.5	■
TC4521AM	90°	2.0	0.5	0.8	■
TC4526AM	90°	2.5	0.5	1.0	■
TC4530AM	90°	3.0	0.5	1.0	■
TC4535AM	90°	3.5	0.5	1.2	■
TC4540AM	90°	4.0	0.5	1.2	■
TC4545AM	90°	4.5	0.5	1.5	■
TC4550AM	90°	5.0	0.5	1.5	■
TC4555AM	90°	5.5	0.5	1.5	■
TC4560AM	90°	6.0	0.5	1.5	■
TC4565AM	90°	6.5	0.5	1.5	■
TC4570AM	90°	7.0	0.5	1.5	■
TC4575AM	90°	7.5	0.5	1.6	■
TC4580AM	90°	8.0	0.5	1.6	■

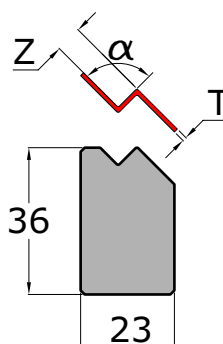
Code	$\alpha$	Z	R	T	MT
TC4613AM	90°	13.0	1.0	2.5	■
TC4614AM	90°	14.0	1.0	2.5	■
TC4615AM	90°	15.0	1.0	3.0	■



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000

T=ESPESSOR MÁX.  
T=MAX. THICKNESS



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000

T=ESPESSOR MÁX.  
T=MAX. THICKNESS

# ARMARIO DE ÚTILES / TOOLING CABINETS

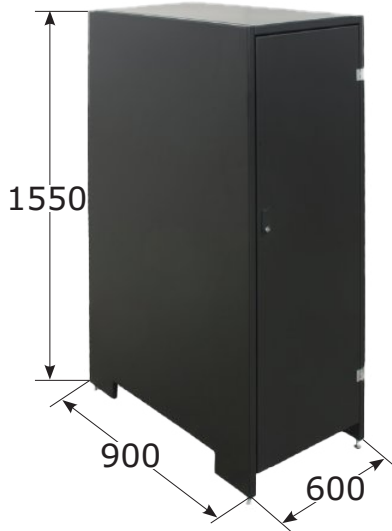
## Leyenda / Description

- L** Máx. longitud del útil en mm.
- L** Máx. length tool in mm.
- N** N° máx. de útiles
- N** N° max. tools
- W** Peso en Kg.
- W** Weight in Kg.



OTROS COLORES BAJO PEDIDO  
OTHER COLORS ON DEMAND

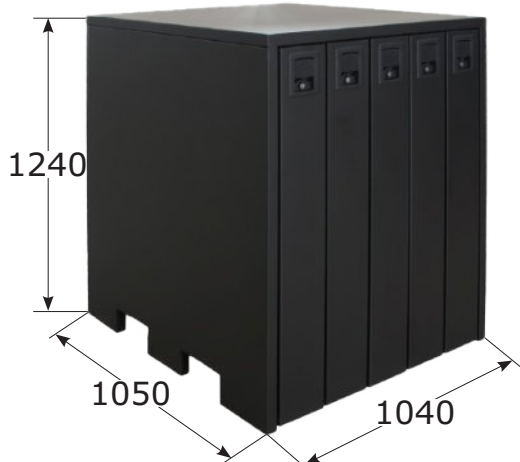
Code	L	N	W
TC4645AM	835	30	200



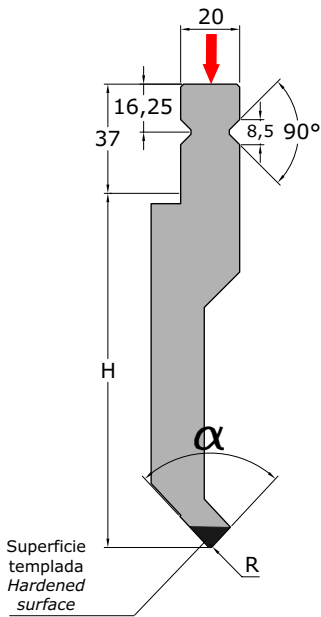
Code	L	N	W
TC4650AM	835	55	260



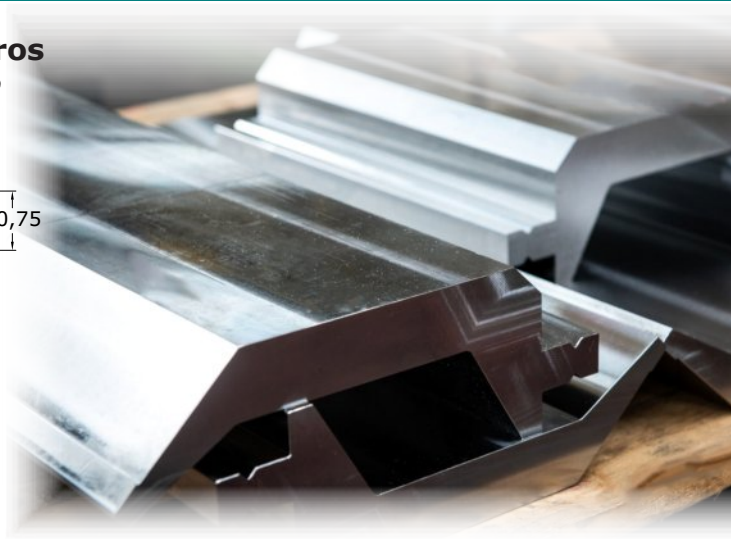
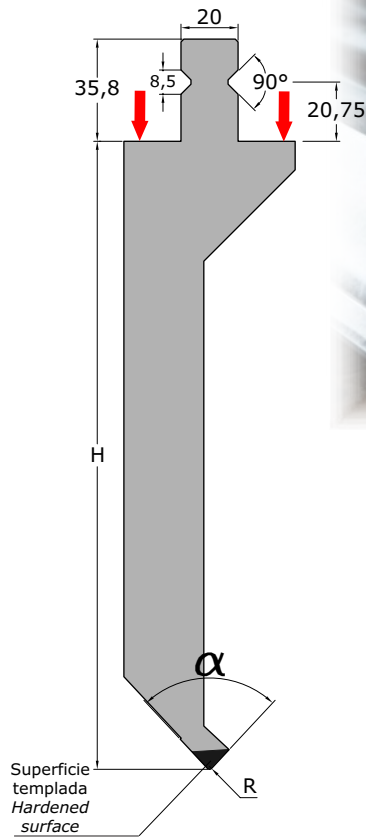
Code	L	N	W
TC4645AM	835	55	330



## Carga en cabeza Head force



## Carga en hombros Shoulder force



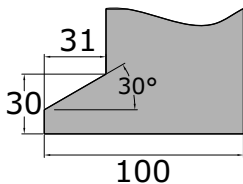
### LEYENDA / DESCRIPTION

**H** = ALTURA PUNZÓN / PUNCH HEIGHT

**α** = ÁNGULO PUNZÓN / PUNCH DEGREE

**R** = RADIO PUNZÓN / PUNCH RADIUS

## Bigornia estándar Horn Type:



La carga máxima de las bigornias corresponde al 50% de la carga máxima indicada en el punzón.

The horns' max load is 50% of the max load of the punch.

### SISTEMAS DE ANCLAJE CLAMPING TYPE

**Peso del útil >12,5 Kg**  
Tool weight >12,5 Kg



La carga y descarga con el anclaje mediante PINS\* se realiza por el lateral. Clamping with PINS\* for side load and unload of the tool .

**Peso del útil ≤12,5 Kg**  
Tool weight ≤12,5 Kg

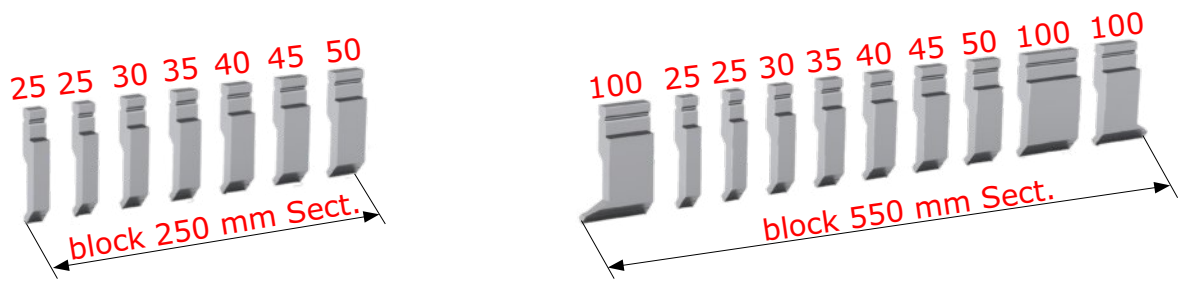


La carga y descarga con el anclaje SAFETY CLICK\* se realiza frontalmente. Clamping with SAFETY CLICK\* front load and unload of the tool .

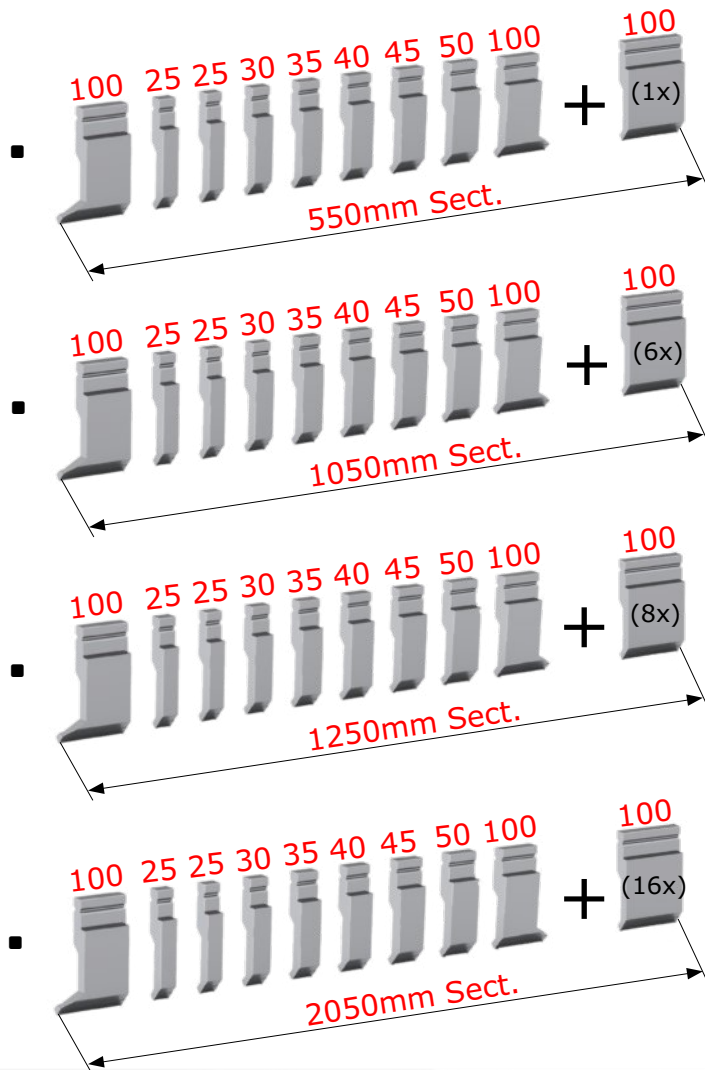
\*Partes de recambio disponibles  
\*Spare parts available

# PUNZONES / PUNCHES

## BLOQUES ESTÁNDAR STANDARD BLOCKS



## FRACCIONADO ESTÁNDAR TIPO A STANDARD SEGMENTATION A TYPE

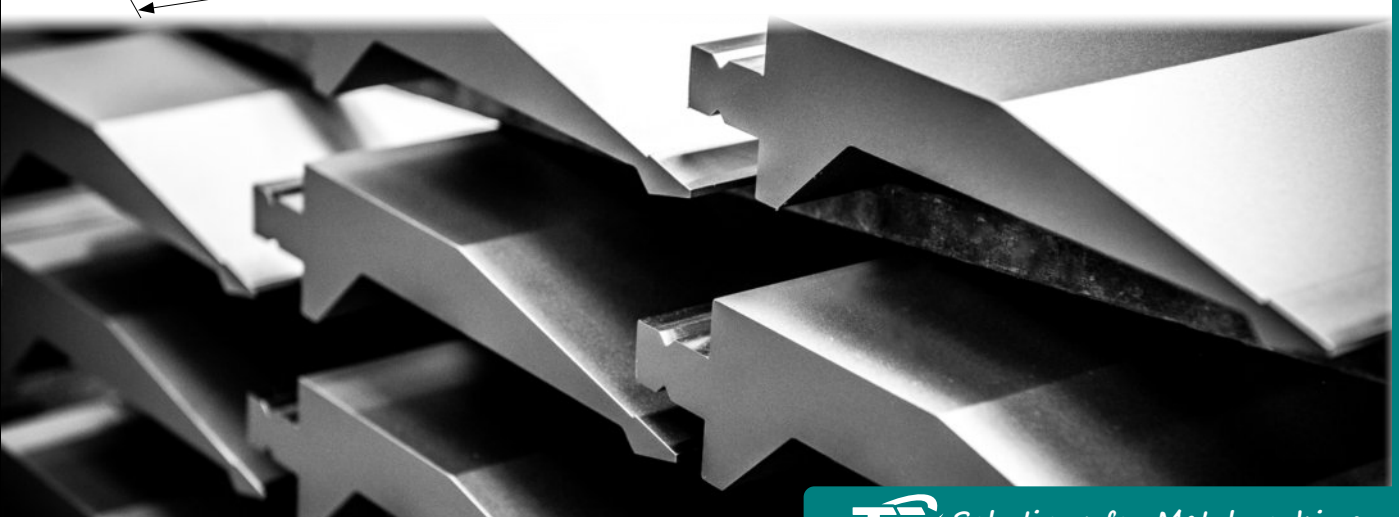


LA LONGITUD COMPLETA ESTÁN  
DISPONIBLE EN LAS SIGUIENTES  
MEDIDAS:

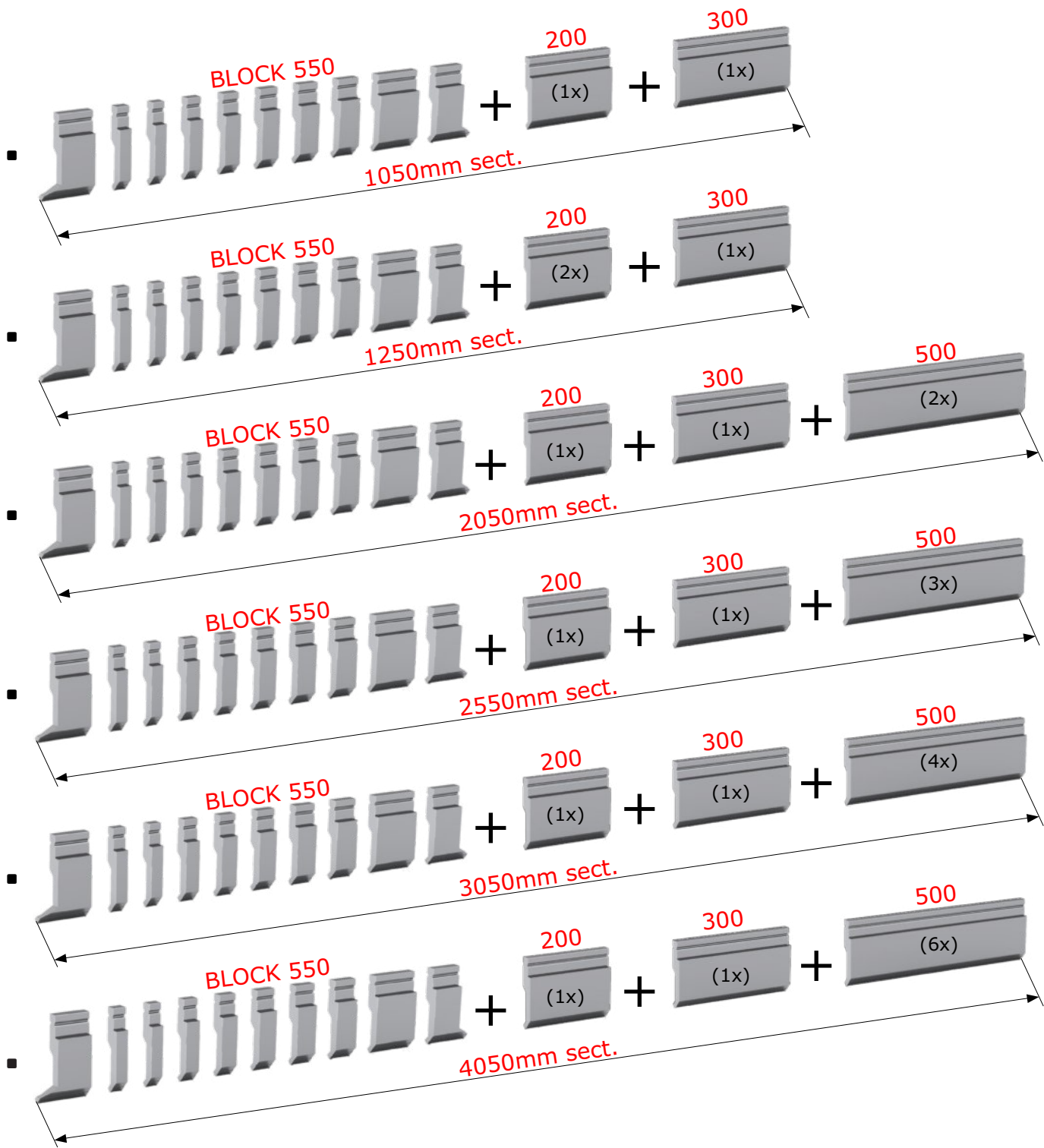
Full lengths are available  
in these measures:

10mm  
15mm  
20mm  
25mm  
30mm  
35mm  
40mm  
45mm  
50mm  
100mm  
200mm  
300mm  
500mm

**BIGORNIA INDIVIDUAL**  
SINGLE HORN



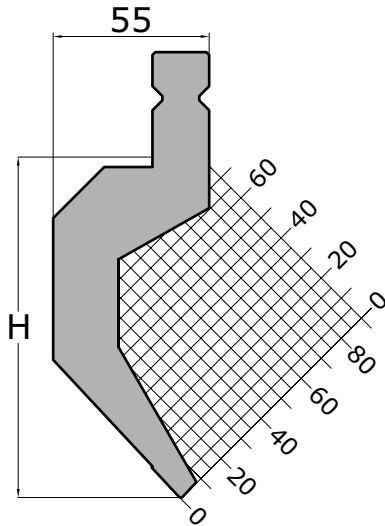
## FRACCIONADO ESTÁNDAR TIPO B STANDARD SEGMENTATION B TYPE



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# PUNZONES / PUNCHES

**Kn/m** 800 **MT** ■ **α** 86° **Code** TC200KTR

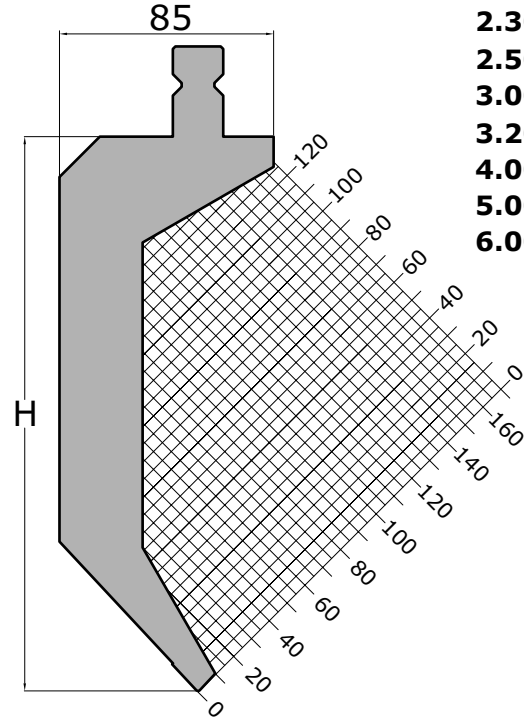


R	H
0.50	119.8
1.00	120.0
1.60	119.2
2.00	119.2
2.30	119.0
2.50	119.0
3.00	118.7
3.20	118.6
4.00	118.3
6.00	117.3

**Kn/m** 800 **MT** ■ **α** 86° **Code** TC200STR

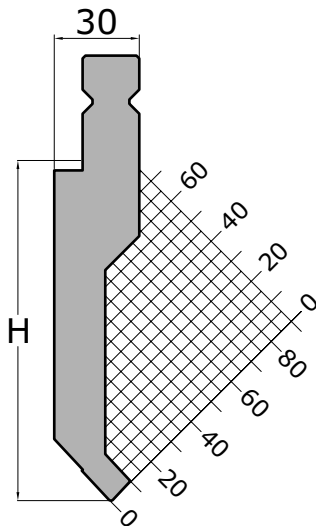
Seccionado tipo B compuesto de:  
Segmentation B type is made with:  
BLOCK 550/200mm/300mm

**No disponible:**  
*Not available:*  
500mm



R	H
0.50	219.8
1.00	220.0
1.60	219.2
2.00	219.2
2.30	219.0
2.50	219.0
3.00	218.7
3.20	218.5
4.00	218.3
5.00	217.8
6.00	217.5

**Kn/m** 800 **MT** ■ **α** 86° **Code** TC201KTR

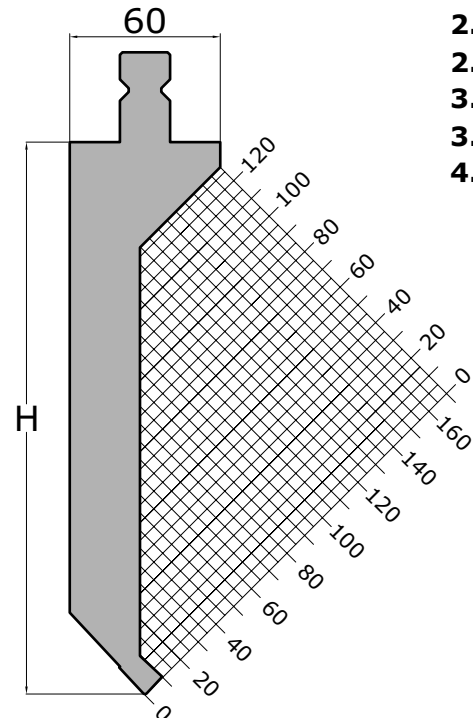


R	H
0.50	119.8
1.00	120.0
1.60	119.4
2.00	119.2
2.30	119.0
2.50	119.0
3.00	118.8
3.20	118.6
4.00	118.2

**Kn/m** 800 **MT** ■ **α** 86° **Code** TC201STR

Seccionado tipo B compuesto de:  
Segmentation B type is made with:  
BLOCK 550/200mm/300mm

**No disponible:**  
*Not available:*  
500mm



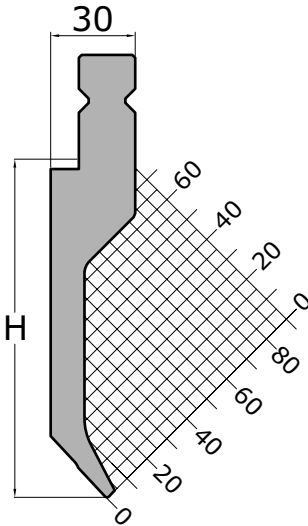
R	H
0.50	219.8
1.00	220.0
1.60	219.4
2.00	219.2
2.30	219.0
2.50	218.7
3.00	218.8
3.20	218.6
4.00	218.3



# PUNZONES / PUNCHES

**Kn/m** **MT** **α** **Code**  
 400 ■ 86° TC204KTR

**R** **H**  
 1.00 120.0



**Kn/m** **MT** **α** **Code**  
 800 ■ 86° TC300STR

**R** **H**  
 1.00 300.0  
 2.00 299.2  
 3.00 298.5  
 4.00 298.3  
 5.00 297.8  
 6.00 297.5

Seccionado tipo B compuesto de:

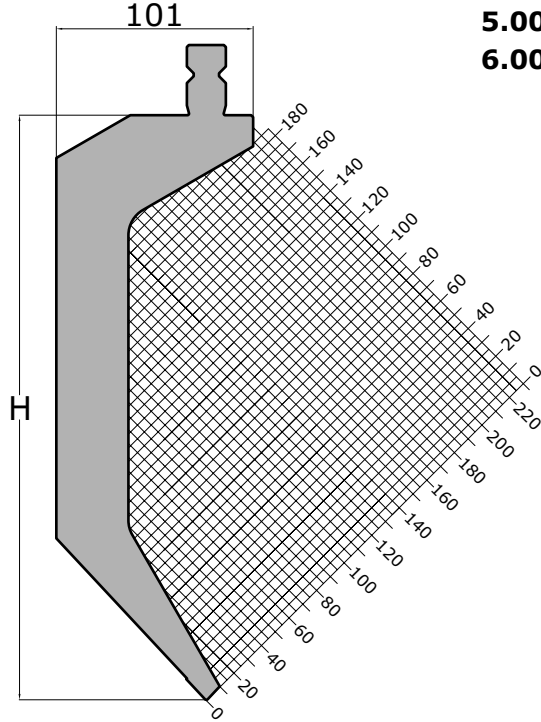
Segmentation B type is made with:

**BLOCK 550/200mm**

**No disponible:**

*Not available:*

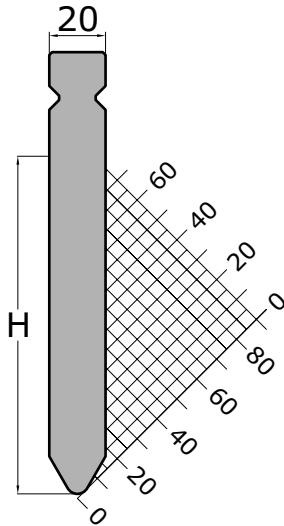
500mm/300mm/20mm/15mm/10mm



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# PUNZONES / PUNCHES

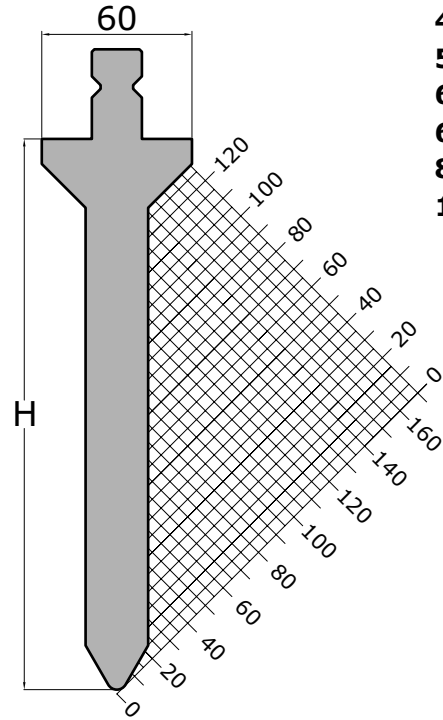
**Kn/m** **MT** **α** **Code**  
 1800 ■ 60° TC203KTR



R	H
2.00	119.8
2.50	119.8
3.00	119.8
4.00	120.0
4.70	119.1
5.00	118.8
6.00	117.6
6.35	117.2
8.00	120.0
10.0	120.0

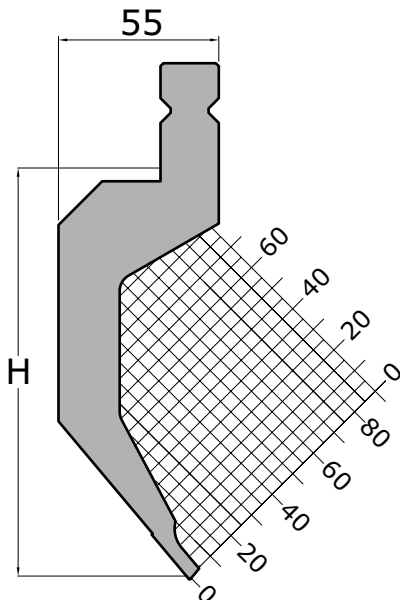
**Kn/m** **MT** **α** **Code**  
 2500 ■ 60° TC203STR

Seccionado tipo B compuesto de:  
 Segmentation B type is made with:  
 BLOCK 550/200mm/300mm  
**No disponible:**  
*Not available:*  
 500mm



R	H
2.00	219.8
2.50	219.8
3.00	219.8
4.00	220.0
4.70	219.0
5.00	218.6
6.00	217.6
6.35	217.2
8.00	220.0
10.0	220.0

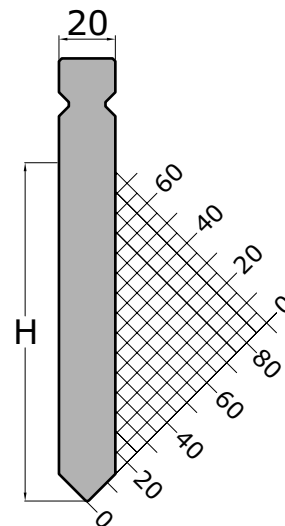
**Kn/m** **MT** **α** **Code**  
 400 ■ 80° TC280KTR



R	H
0.50	140.0

**Kn/m** **MT** **Code**  
 1800 ■ TC211KTR

**No disponible:**  
*Not available:*  
 20mm/15mm/10mm

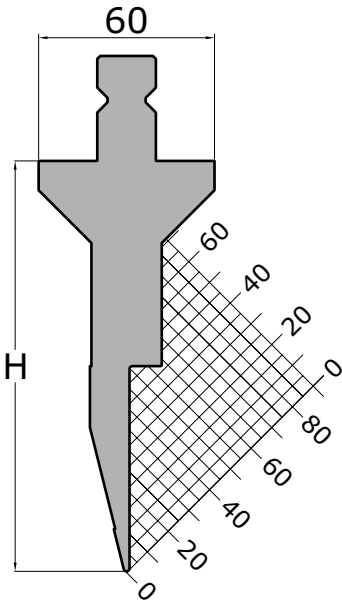


α	R	H
89.66°	0.20	119.8
90°	0.50	119.8
89.66°	1.00	120.0

# PUNZONES / PUNCHES

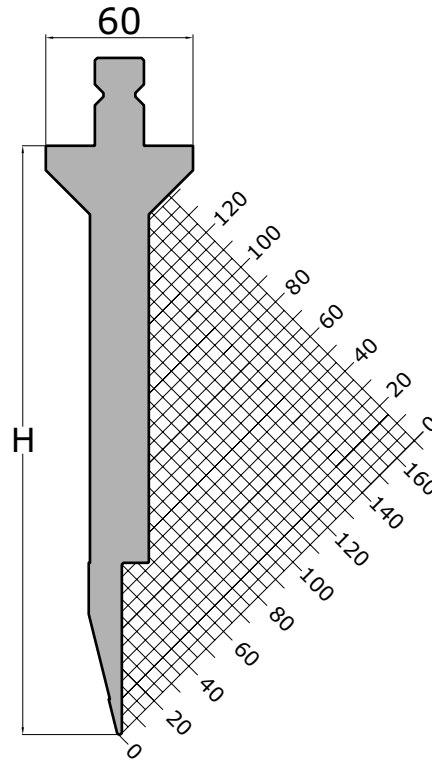
**Kn/m** **MT**  **$\alpha$**  **Code**  
 400 ■ 14° TC210KTR

R	H
0.50	139.8
1.00	140.0



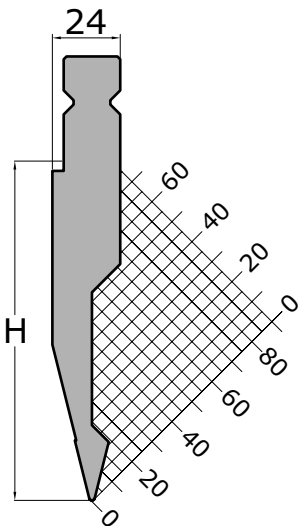
**Kn/m** **MT**  **$\alpha$**  **Code**  
 400 ■ 14° TC210STR

R	H
0.50	239.8
1.00	240.0



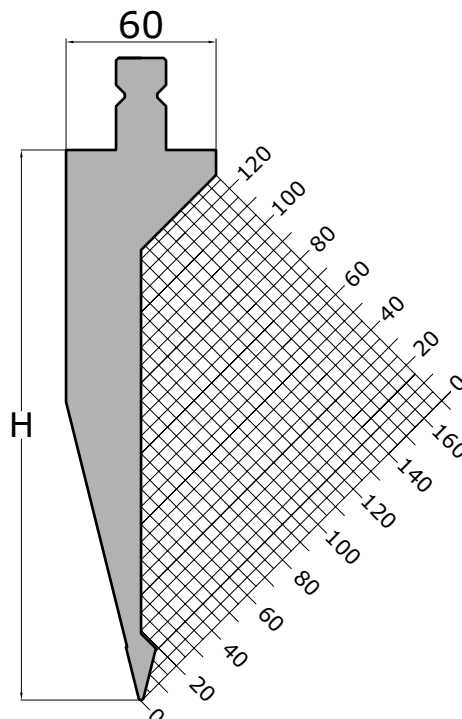
**Kn/m** **MT**  **$\alpha$**  **Code**  
 600 ■ 28° TC202KTR

R	H
0.50	119.8
1.00	120.0
1.60	117.2
2.00	116.0
2.30	115.1
2.50	114.4
3.00	112.8
3.20	112.7
4.00	109.8

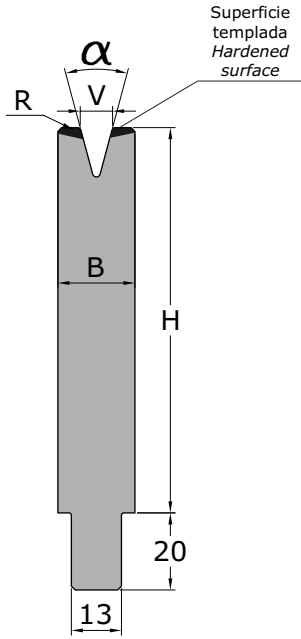


**Kn/m** **MT**  **$\alpha$**  **Code**  
 600 ■ 28° TC202STR

R	H
0.50	219.8
1.00	220.0
1.60	217.8
2.00	216.0
2.30	215.6
2.50	214.0
3.00	212.8
3.20	212.7
4.00	209.8



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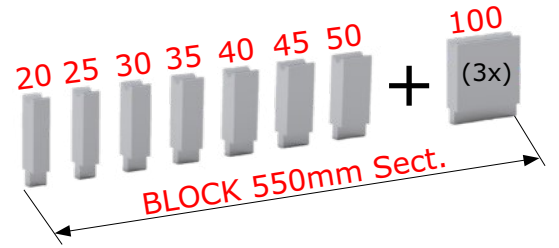
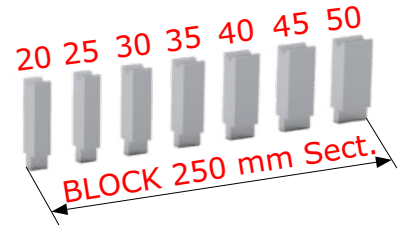
**Amarre estándar**  
Standard clamp

**LA LONGITUD COMPLETA ESTÁN DISPONIBLE EN LAS SIGUIENTES MEDIDAS:**

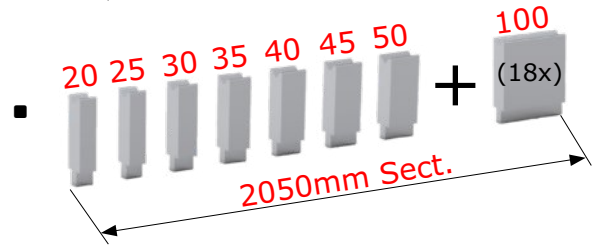
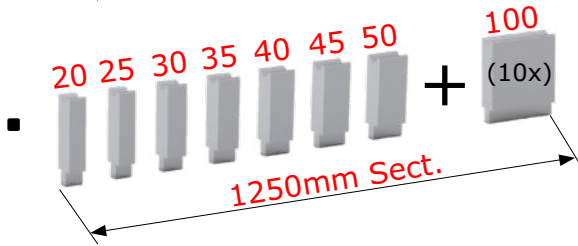
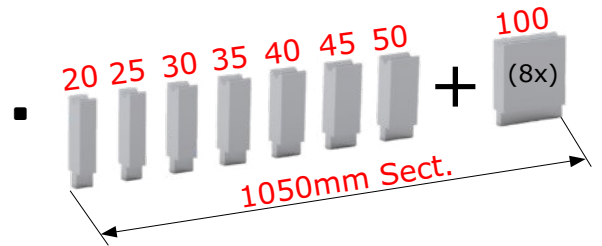
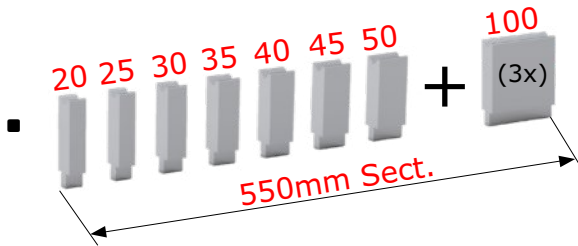
*Full lengths are available in these measures:*

- 10mm
- 15mm
- 20mm
- 25mm
- 30mm
- 35mm
- 40mm
- 45mm
- 50mm
- 100mm
- 200mm
- 300mm
- 500mm

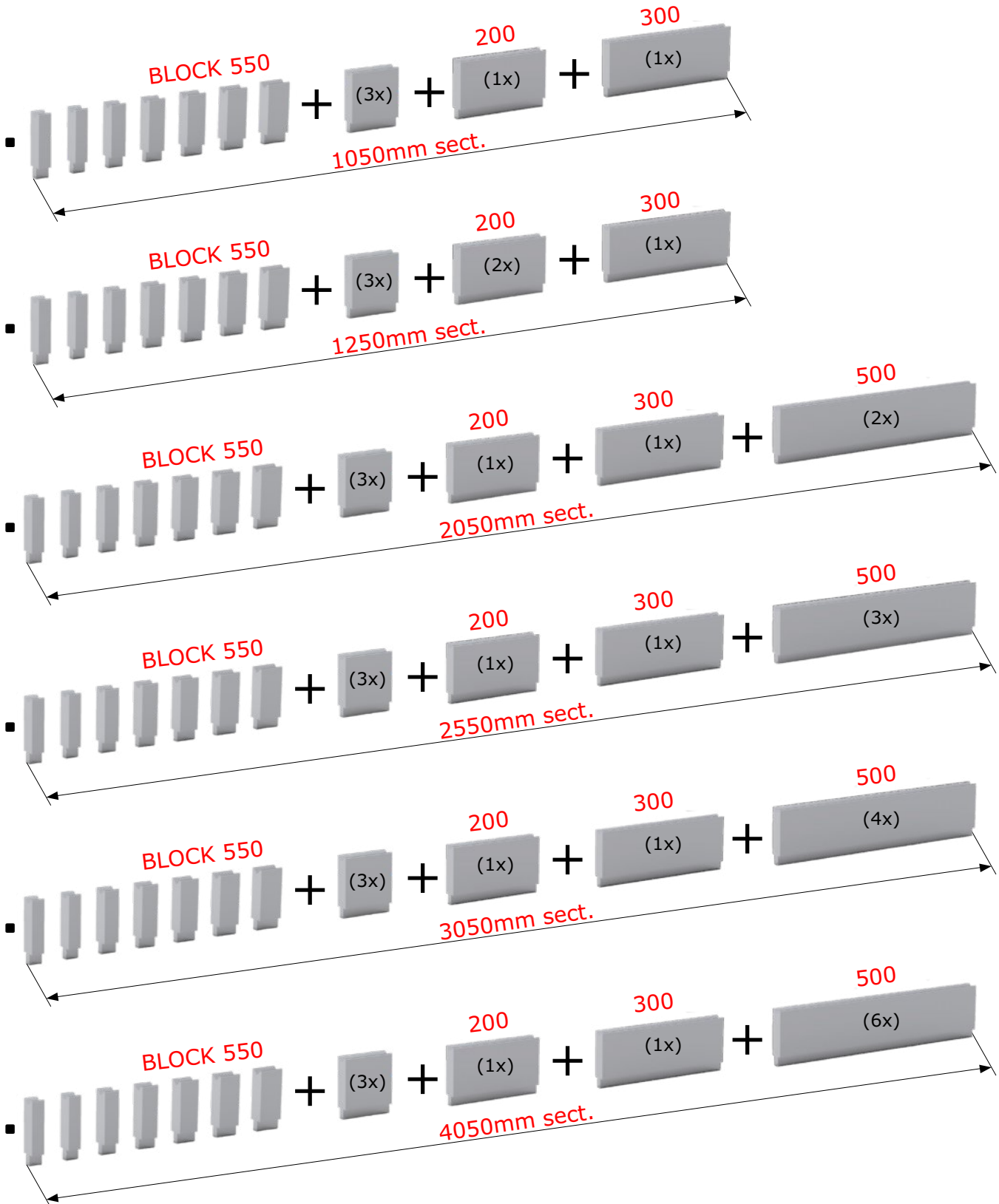
**BLOQUES ESTÁNDAR**  
STANDARD BLOCKS



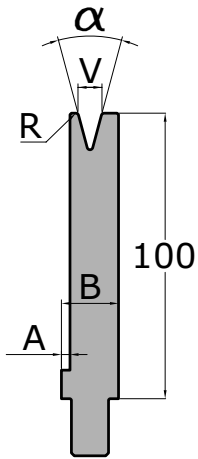
**FRACCIONADO ESTÁNDAR TIPO A**  
STANDARD SEGMENTATION A TYPE



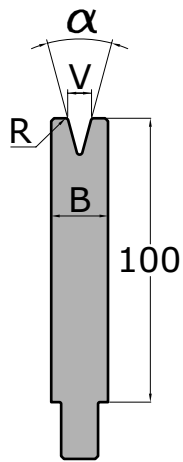
**FRACCIONADO ESTÁNDAR TIPO B**  
**STANDARD SEGMENTATION B TYPE**



TRUMPF®



Code	$\alpha$	V	R	H	B	A	Kn/m	MT
TCV430R06TR	30°	4	0.60	100	20.0	5.0	150	■
TCV530R06TR	30°	5	0.60	100	20.0	5.0	150	■
TCV530R2TR	30°	5	2.00	100	20.0	4.0	200	■
TCV630R06STR	30°	6	0.60	100	20.0	4.0	170	■
TCV830R1STR	30°	8	1.00	100	20.0	3.0	200	■
TCV1030R1STR	30°	10	1.00	100	20.0	2.0	200	■
TCV1230R1STR	30°	12	1.00	100	21.5	3.5	250	■



Code	$\alpha$	V	R	H	B	A	Kn/m	MT
TCV630R06TR	30°	6	0.60	100	20.0	-	400	■
TCV630R3TR	30°	6	3.00	100	20.0	-	400	■
TCV830R1TR	30°	8	1.00	100	20.0	-	400	■
TCV830R3TR	30°	8	3.00	100	20.0	-	400	■
TCV1030R1TR	30°	10	1.00	100	20.0	-	400	■
TCV1030R3TR	30°	10	3.00	100	20.0	-	400	■
TCV1230R1TR	30°	12	1.00	100	25.0	-	400	■
TCV1230R3TR	30°	12	3.00	100	25.0	-	400	■
TCV1630R16TR	30°	16	1.60	100	30.0	-	500	■
TCV1630R3TR	30°	16	3.00	100	30.0	-	500	■
TCV2030R2TR	30°	20	2.00	100	35.0	-	600	■
TCV2430R25TR	30°	25	2.50	100	40.0	-	650	■
TCV3030R3TR	30°	30	3.00	100	55.0	-	900	■
TCV4030R5TR	30°	40	5.00	100	60.0	-	900	■
TCV5030R5TR	30°	50	5.00	100	75.0	-	1200	■

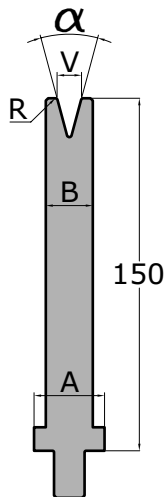
Para TCV2430R25TR-TCV3030R3TR-TCV4030R5TR-TCV5030R5TR:

For TCV2430R25TR-TCV3030R3TR-TCV4030R5TR-TCV5030R5TR:

**No disponible como estándar:**

*Not available as standard:*

20mm/15mm/10mm



Code	$\alpha$	V	R	H	B	A	Kn/m	MT
TCV630R06H150TR	30°	6	0.60	150	20.0	30.0	400	■
TCV830R1H150TR	30°	8	1.00	150	20.0	30.0	400	■
TCV1030R1H150TR	30°	10	1.00	150	20.0	30.0	400	■

Para TCV630R06H150TR-TCV830R1H150TR-TCV10030R1H150TR-TCV5030R5TR:

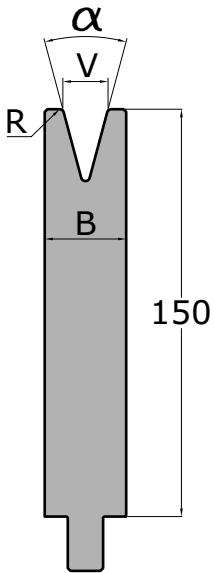
For TCV630R06H150TR-TCV830R1H150TR-TCV10030R1H150TR-TCV5030R5TR:

**No disponible como estándar:**

*Not available as standard:*

20mm/15mm/10mm

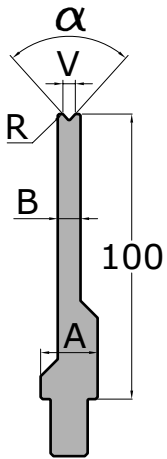
TIPO S  
TYPE S



Code	$\alpha$	V	R	H	B	A	Kn/m	MT
TCV1230R1H150TR	30°	12	1.00	150	25.0	-	400	■
TCV1630R16H150TR	30°	16	1.60	150	30.0	-	500	■
TCV2030R2H150TR	30°	20	2.00	150	35.0	-	600	■
TCV2430R25H150TR	30°	24	2.50	150	40.0	-	650	■

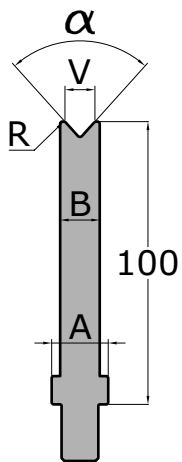
Para TCV1230R1H150TR-TCV1630R16H150TR-TCV2030R2H150TR-TCV2430R25TR:  
For TCV1230R1H150TR-TCV1630R16H150TR-TCV2030R2H150TR-TCV2430R25TR:

**No disponible como estándar:**  
*Not available as standard:*  
20mm/15mm/10mm



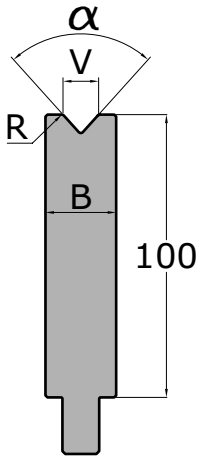
Code	$\alpha$	V	R	H	B	A	Kn/m	MT
TCV484R06TR	84°	4	0.60	100	8.00	20.0	250	■
TCV584R06TR	84°	5	0.60	100	8.00	20.0	250	■

**TIPO S1**  
TYPE S1

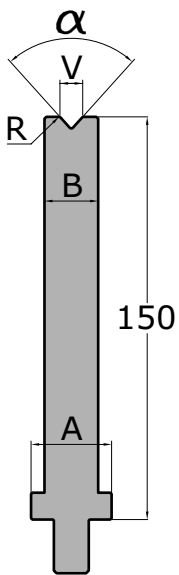


Code	$\alpha$	V	R	H	B	A	Kn/m	MT
TCV684R06STR	84°	6	0.60	100	10.0	20.0	250	■
TCV884R08STR	84°	8	0.80	100	12.0	20.0	350	■
TCV1084R1STR	84°	10	1.00	100	14.0	20.0	400	■
TCV1284R1STR	84°	12	1.00	100	16.0	20.0	400	■
TCV1484R16STR	84°	14	1.60	100	20.0	25.0	500	■

**TIPO S2**  
TYPE S2



Code	$\alpha$	V	R	H	B	A	Kn/m	MT
TCV684R06TR	84°	6	0.60	100	20.0	-	400	■
TCV884R08TR	84°	8	0.80	100	20.0	-	400	■
TCV1084R1TR	84°	10	1.00	100	20.0	-	500	■
TCV1284R1TR	84°	12	1.00	100	25.0	-	500	■
TCV1684R16TR	84°	16	1.60	100	30.0	-	700	■
TCV2084R2TR	84°	20	2.00	100	30.0	-	700	■

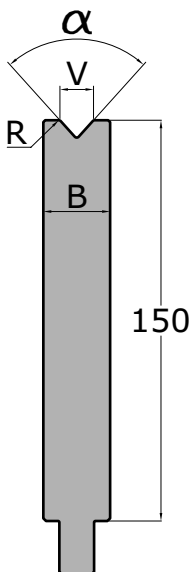


Code	$\alpha$	V	R	H	B	A	Kn/m	MT
TCV684R06H150TR	84°	6	0.60	150	20.0	30.0	400	■
TCV884R08H150TR	84°	8	0.80	150	20.0	30.0	400	■
TCV1084R1H150TR	84°	10	1.00	150	20.0	30.0	400	■

Para TCV684R06H150TR-TCV884R08H150TR-TCV1084R1H150TR:  
For TCV684R06H150TR-TCV884R08H150TR-TCV1084R1H150TR:

**No disponible como estándar:**  
*Not available as standard:*  
20mm/15mm/10mm

**TIPO S**  
TYPE S

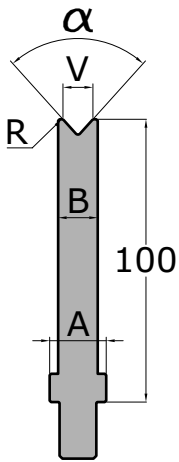


Code	$\alpha$	V	R	H	B	A	Kn/m	MT
TCV1284R1H150TR	84°	12	1.00	150	25.0	-	700	■
TCV1684R16H150TR	84°	16	1.60	150	30.0	-	700	■
TCV2084R2H150TR	84°	20	2.00	150	30.0	-	700	■

Para TCV1284R1H150TR-TCV1684R16H150TR-TCV2084R2H150TR:  
For TCV1284R1H150TR-TCV1684R16H150TR-TCV2084R2H150TR:

**No disponible como estándar:**  
*Not available as standard:*  
20mm/15mm/10mm



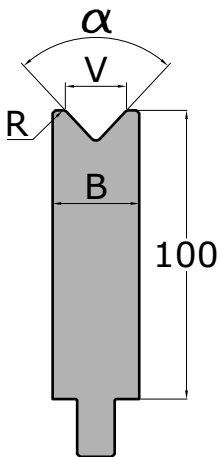


**TIPO S**  
TYPE S

Code	$\alpha$	V	R	H	B	A	Kn/m	MT
TCV686R06STR	86°	6	0.60	100	10.0	20.0	250	■
TCV886R08STR	86°	8	0.80	100	12.0	20.0	350	■
TCV1086R1STR	86°	10	1.00	100	14.0	20.0	400	■
TCV1286R1STR	86°	12	1.00	100	16.0	20.0	400	■

Para TCV686R06STR-TCV886R08STR-TCV1086R1STR-TCV1286R1STR:  
For TCV686R06STR-TCV886R08STR-TCV1086R1STR-TCV1286R1STR:

**No disponible como estándar:**  
*Not available as standard:*  
1050 Sect./20mm/15mm/10mm



Code	$\alpha$	V	R	H	B	A	Kn/m	MT
TCV686R06TR	86°	6	0.60	100	20.0	-	400	■
TCV886R08TR	86°	8	0.80	100	20.0	-	400	■
TCV1086R1TR	86°	10	1.00	100	20.0	-	500	■
TCV1286R1TR	86°	12	1.00	100	25.0	-	500	■
TCV1686R16TR	86°	16	1.60	100	30.0	-	700	■
TCV2086R2TR	86°	20	2.00	100	30.0	-	700	■
TCV2486R25TR	86°	24	2.50	100	35.0	-	1000	■
TCV3286R3TR	86°	32	3.00	100	45.0	-	1000	■
TCV4086R3TR	86°	40	3.00	100	55.0	-	1200	■
TCV5086R3TR	86°	50	3.00	100	75.0	-	1500	■

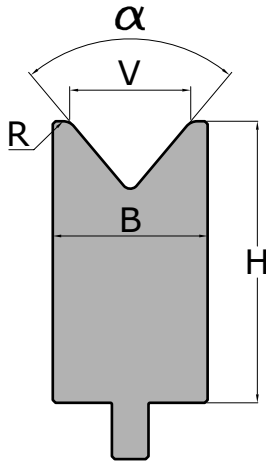
Para Todos los modelos de 86° H100:  
For all models of 86° H100:

**No disponible como estándar:**  
*Not available as standard:*  
1050 Sect./20mm/15mm/10mm

Para TCV5086R3TR:  
For TCV5086R3TR:

**No disponible como estándar:**  
*Not available as standard:*  
500mm (seccionado se fabrica con 200-300mm)



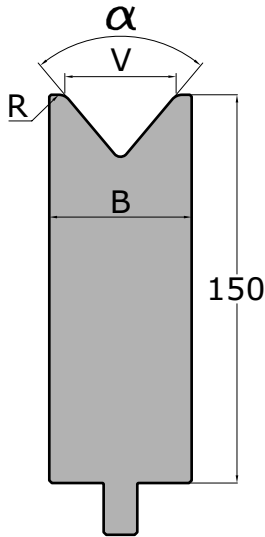


Code	α	V	R	H	B	Kn/m	MT
TCV2480R25TR	80°	24	2.50	100	35.0	700	■ (a)
TCV3080R5TR	80°	30	5.00	100	45.0	900	■ (a)
TCV4080R5TR	80°	40	5.00	100	55.0	1200	■ (a)
TCV5080R5TR	80°	50	5.00	100	65.0	1500	■ (a)
TCV6080R5TR	80°	60	5.00	100	75.0	1500	■ (b)
TCV7080R5TR	80°	70	5.00	100	85.0	1500	■ (b)
TCV8080R5TR	80°	80	5.00	100	100	1500	■ (b)
TCV9080R8TR	80°	90	8.00	120	110	1500	■ (c)
TCV10080R8TR	80°	100	8.00	120	110	1500	■ (c)

(a) **No disponible como estándar:**  
Not available as standard:  
20mm/15mm/10mm

(b) **No disponible como estándar:**  
Not available as standard:  
500mm/20mm/15mm/10mm

(c) **No disponible como estándar:**  
Not available as standard:  
500mm/300mm  
20mm/15mm/10mm

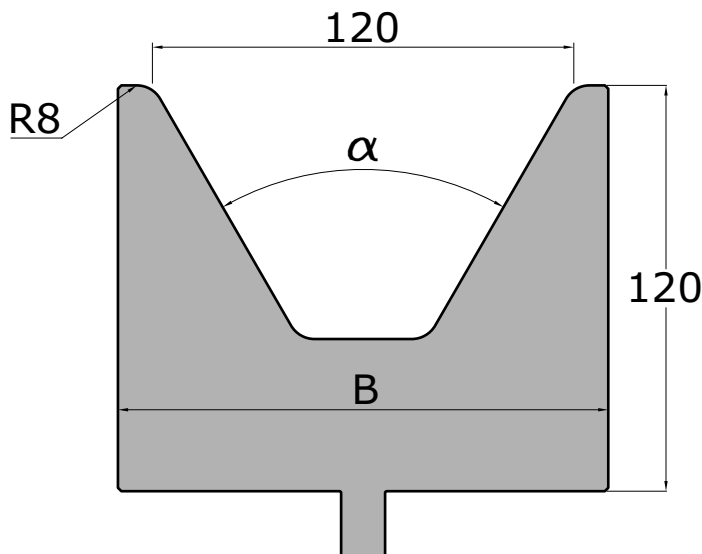


Code	α	V	R	H	B	Kn/m	MT
TCV2480R25H150TR	80°	24	2.50	150	35.0	700	■ (a)
TCV3080R5H150TR	80°	30	5.00	150	45.0	900	■ (b)
TCV4080R5H150TR	80°	40	5.00	150	55.0	1200	■ (b)
TCV5080R5H150TR	80°	50	5.00	150	65.0	1500	■ (b)

(a) **No disponible como estándar:**  
Not available as standard:  
20mm/15mm/10mm

(b) **No disponible como estándar:**  
Not available as standard:  
500mm/20mm/15mm/10mm

Code	α	V	R	H	B	Kn/m	MT
TCV12060R8TR	60°	120	8.00	120	145	1500	■



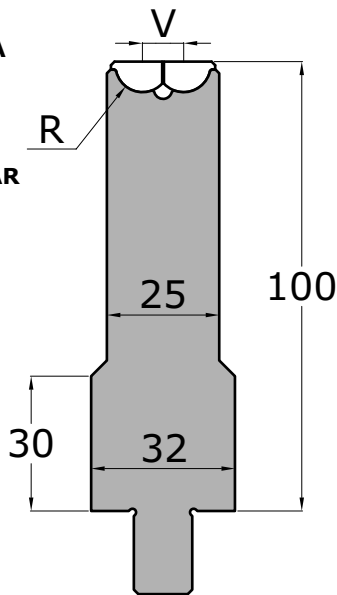
**Solo disponible como estándar:**  
Only available as standard:  
200mm/100mm

# MATRICES ROLL BEND / DIES ROLL BEND

**Kn/m** **MT** **Code** **R** **V**  
 1000 ■ TCRB200TR 6.00 9.2

**ESPEJOR DE CHAPA**  
 SHEET THICKNESS  
 0.5mm - 2mm

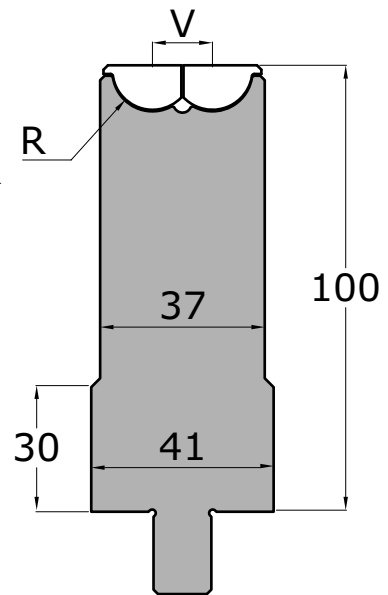
**LONGITUD ESTÁNDAR**  
 STANDARD LEGHT  
 50mm  
 100mm  
 200mm  
 300mm  
 500mm



**Kn/m** **MT** **Code** **R** **V**  
 1300 ■ TCRB300TR 9.00 12.5

**ESPEJOR DE CHAPA**  
 SHEET THICKNESS  
 1mm - 3mm

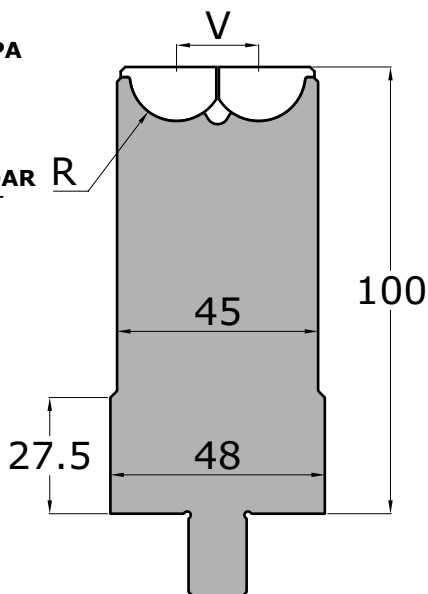
**LONGITUD ESTÁNDAR**  
 STANDARD LEGHT  
 50mm  
 100mm  
 200mm  
 300mm  
 500mm



**Kn/m** **MT** **Code** **R** **V**  
 1500 ■ TCRB400TR 10.5 18.38

**ESPEJOR DE CHAPA**  
 SHEET THICKNESS  
 1mm - 4mm

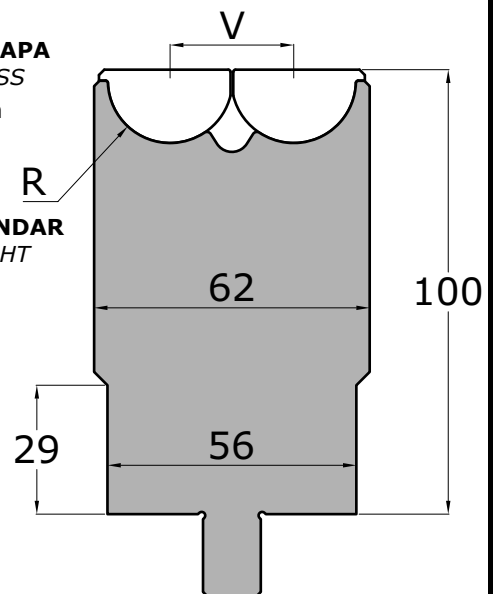
**LONGITUD ESTÁNDAR**  
 STANDARD LEGHT  
 50mm  
 100mm  
 200mm  
 300mm  
 500mm



**Kn/m** **MT** **Code** **R** **V**  
 1700 ■ TCRB500TR 14.0 27.8

**ESPEJOR DE CHAPA**  
 SHEET THICKNESS  
 2mm - 5mm

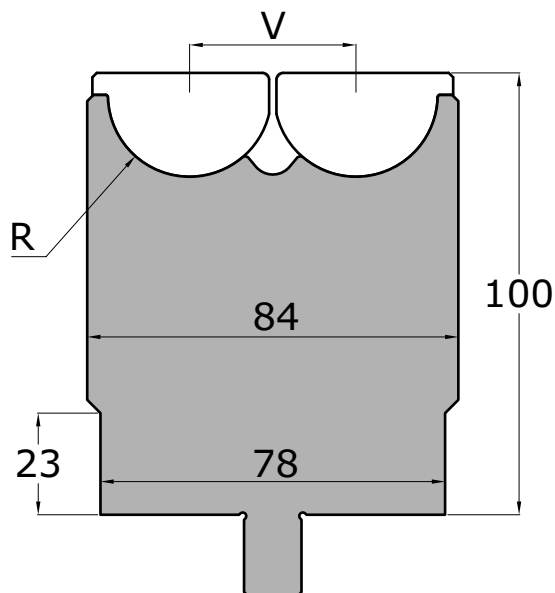
**LONGITUD ESTÁNDAR**  
 STANDARD LEGHT  
 50mm  
 100mm  
 200mm  
 300mm  
 500mm



**Kn/m** **MT** **Code** **R** **V**  
 2000 ■ TCRB600TR 18.5 37.7

**ESPEJOR DE CHAPA**  
 SHEET THICKNESS  
 3mm - 6mm

**LONGITUD ESTÁNDAR**  
 STANDARD LEGHT  
 50mm  
 100mm  
 200mm  
 300mm  
 500mm



TRUMPF®

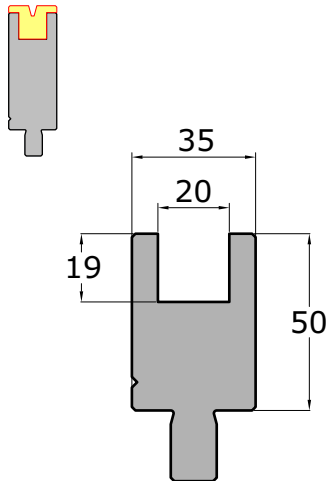
# SOPORTES E INSERTOS DE NYLON / HOLDERS AND NYLON INSERTS



**LONGITUD ESTÁNDAR**  
STANDARD LENGTH **415mm / 835mm**

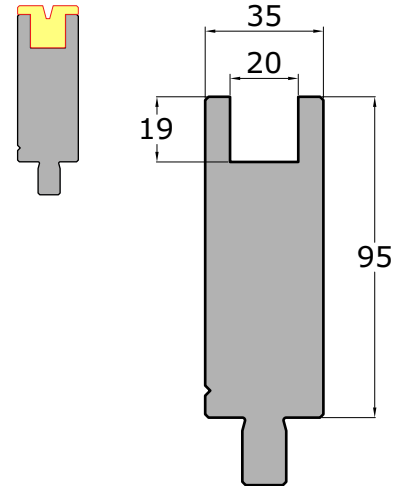
**Code**  
**TCN50TR**

**MT**  
■

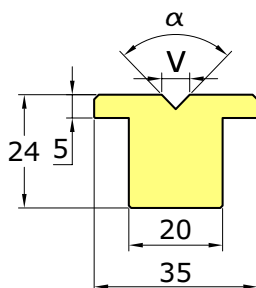


**Code**  
**TCN95TR**

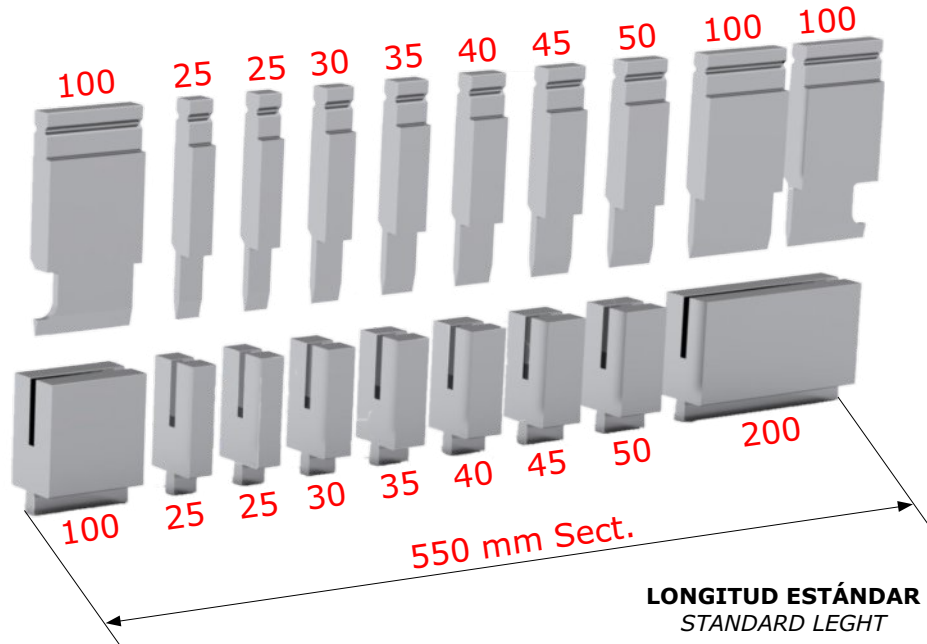
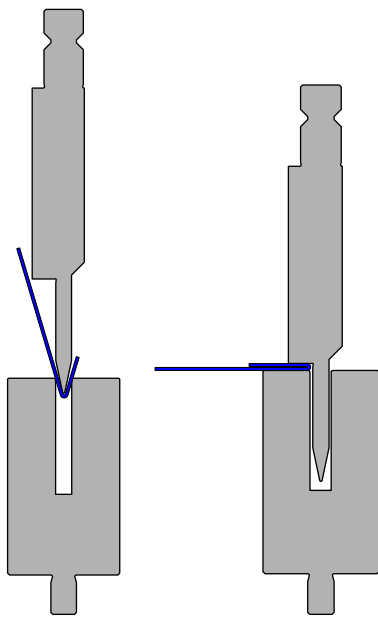
**MT**  
■



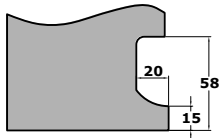
Kn/m	Code	$\alpha$	V
200	TC306AMM	30°	6
	TC308AMM	30°	8
	TC310AMM	30°	10
	TC406AMM	45°	6
	TC408AMM	45°	8
	TC410AMM	45°	10
	TC412AMM	45°	12
	TC606AMM	60°	6
	TC608AMM	60°	8
	TC610AMM	60°	10
	TC612AMM	60°	12
	TC616AMM	60°	16



# PLEGADO Y MACHACADO / HEMMING TOOLS



**Bigornia estándar**  
Horn Type:



La carga máxima de las bigornias corresponde al 50% de la carga máxima indicada en el punzón.  
The horns' max load is 50% of the max load of the punch.

## $\sigma \approx 450 \text{ N/mm}^2$

$S_{[mm]}$	$F_{[kN/m]}$	$D_{[mm]}$	$F_{[kN/m]}$	$2S_{[mm]}$
0.60	90	3.0	230	1.2
0.80	120	3.0	320	1.6
1.00	150	3.5	400	2.0
1.25	170	3.5	500	2.5
1.50	220	4.6	630	3.0
2.00	300	5.5	800	4.0
2.50	550	6.5	900	5.0
3.00	700	8.0	1000	6.0

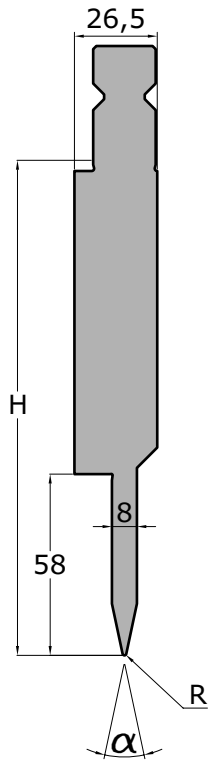
## $\sigma \approx 700 \text{ N/mm}^2$

$S_{[mm]}$	$F_{[kN/m]}$	$D_{[mm]}$	$F_{[kN/m]}$	$2S_{[mm]}$
0.60	150	3.0	350	1.2
0.80	200	3.0	500	1.6
1.00	250	3.5	600	2.0
1.25	260	3.5	800	2.5
1.50	380	4.6	950	3.0
2.00	500	5.5	1300	4.0

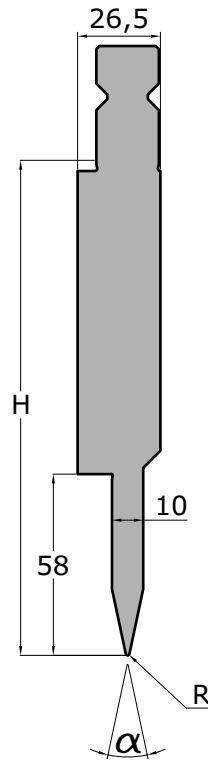
# PLEGADO Y MACHACADO / HEMMING TOOLS

Code	$\alpha$	R	H	Code	$\alpha$	R	H	Code	$\alpha$	R	H
TCPH8TR	24°	0.60	158.0	TCPH10TR	24°	0.60	158.0	TCPH12TR	24°	0.60	158.0

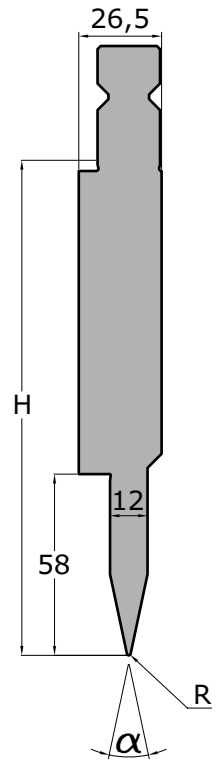
MT  
  
 Kn/m  
 800



MT  
  
 Kn/m  
 800

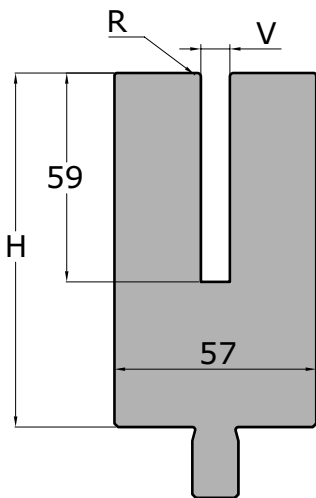


MT  
  
 Kn/m  
 800



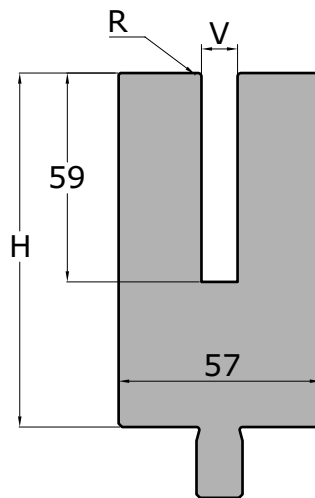
Code	V	R	H	Code	V	R	H	Code	V	R	H
TCVH8TR	8,2	1.00	100.0	TCVH10TR	10,2	1.00	100.0	TCVH12TR	12,2	1.00	100.0

MT  
  
 Kn/m  
 500



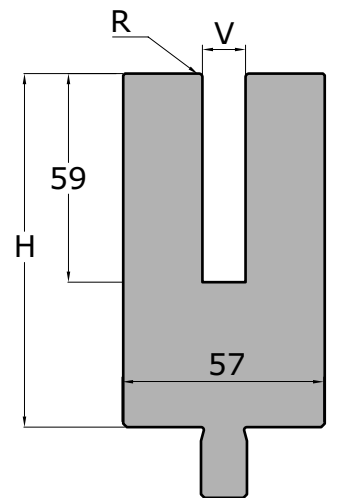
**ESPEJOR MAX.**  
**MAX. THICKNESS**  
**1mm**

MT  
  
 Kn/m  
 500



**ESPEJOR MAX.**  
**MAX. THICKNESS**  
**1.5mm**

MT  
  
 Kn/m  
 500



**ESPEJOR MAX.**  
**MAX. THICKNESS**  
**2mm**

## Plegado con menor desplazamiento de la herramienta

Las herramientas (FWZ, ZDL, MST) sólo pueden utilizarse en combinación con algunas plegadoras, ya que la inserción de estas herramientas requiere un menor desplazamiento de la herramienta.

*Folding with lower tool displacement*

*The tools (FWZ, ZDL, MST) can only be used in combination with some press brakes, because the insert of these tools requires lower tool displacement.*

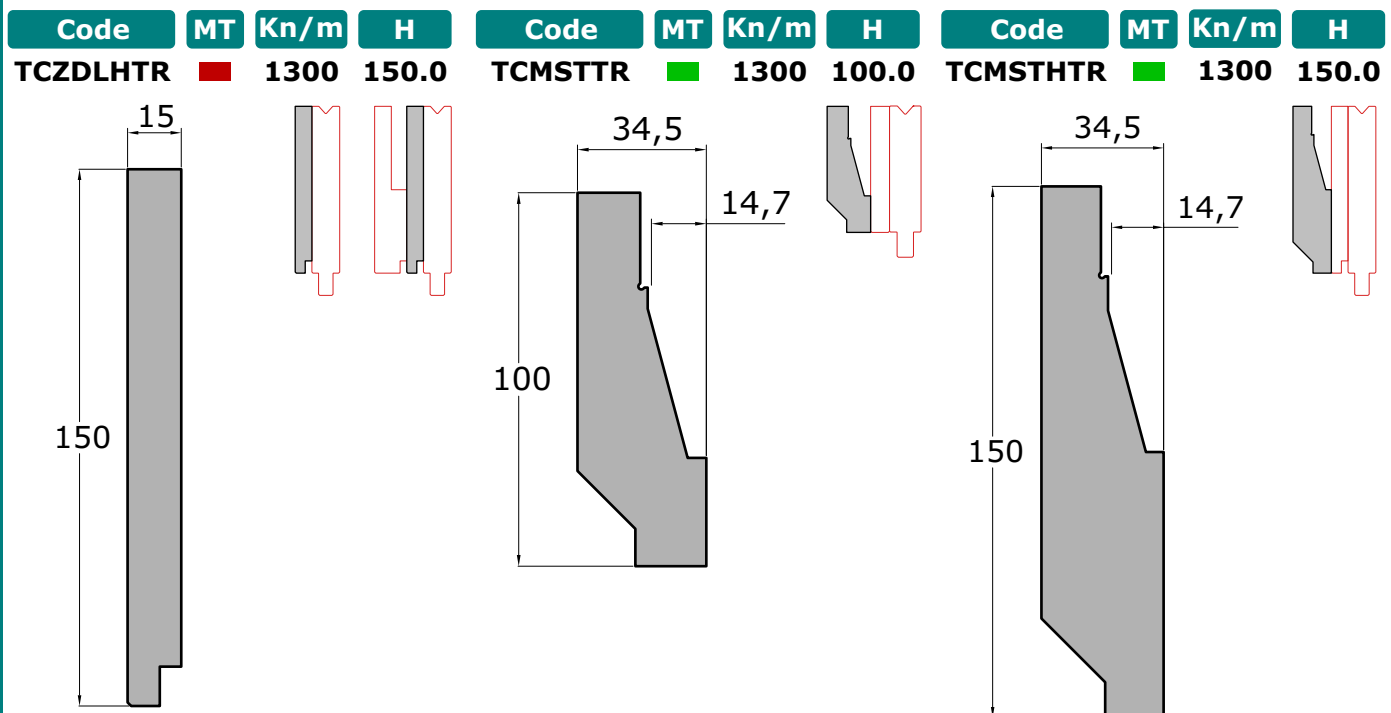
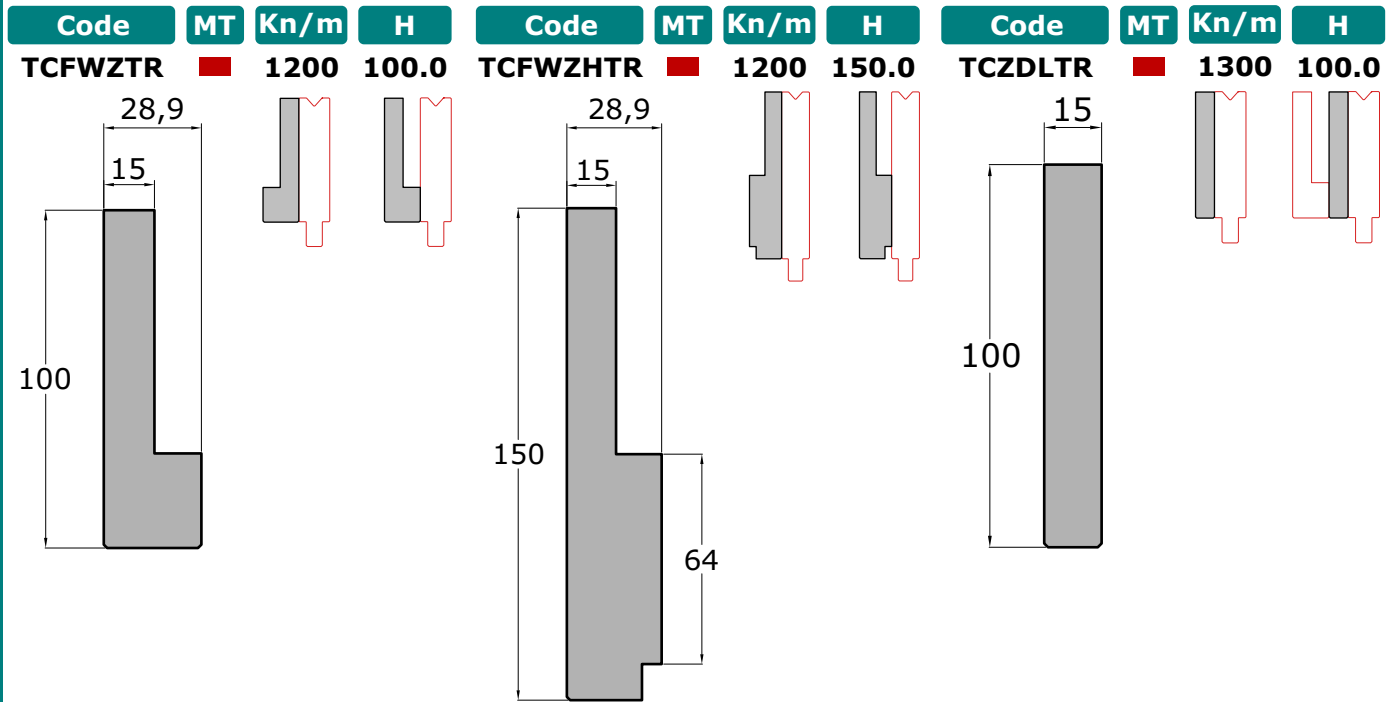
**LONGITUD ESTÁNDAR IGUALES EN PAG. 44/45**

**STANDARD LEGHT IN THE SAME PAG. 44/45**

**No disponible como estándar:**

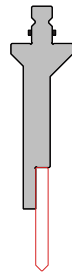
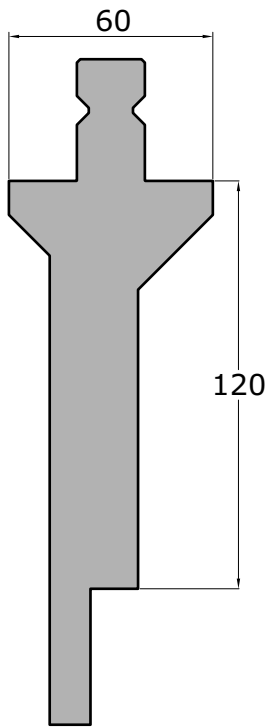
*Not available as standard:*

20mm/15mm/10mm



# PORTACUCHILLAS / BLADE HOLDER

Code	MT	Kn/m	H
TC209STR	■	2500	120.0



Referencia longitudes:

*leght reference:*

Pág. 38-39

**No disponible:**

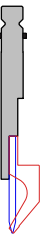
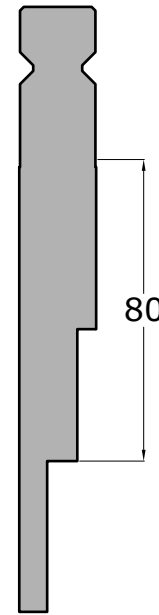
*Not available:*

20mm

15mm

10mm

Code	MT	Kn/m	H
TCK80TR	■	1000	80.0



Referencia longitudes:

*leght reference:*

Pág. 38-39

**No disponible:**

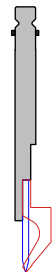
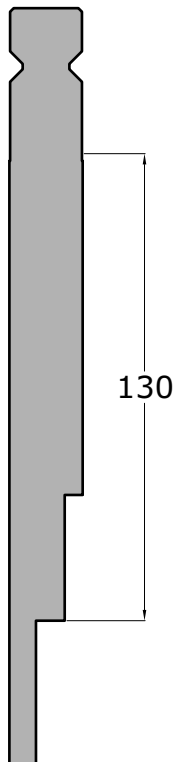
*Not available:*

20mm

15mm

10mm

Code	MT	Kn/m	H
TCK130TR	■	1000	130.0



Referencia longitudes:

*leght reference:*

Pág. 38-39

**No disponible:**

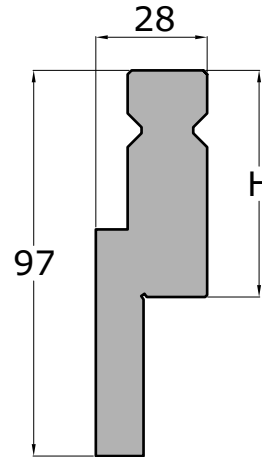
*Not available:*

20mm

15mm

10mm

Code	MT	Kn/m	H
TCK57TR	■	1000	57.0



**Longitudes disponibles:**

*Available lengths:*

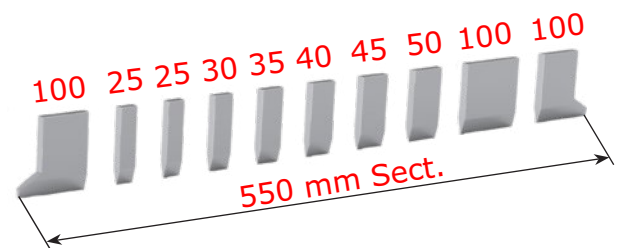
100mm

200mm

300mm

500mm

550mm sect.



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# CUCHILLAS / BLADES

## PARA / FOR TC209STR

Code	$\alpha$	R	H
TC32028TR	28°	0.30	100.0
	28°	1.00	100.0
	28°	1.60	100.0
	28°	2.00	100.0
	28°	3.00	100.0
	28°	4.00	100.0
	28°	5.00	100.0
	-	6.00	100.0
	90°	0.20	100.0
	90°	0.50	100.0
90°	1.00	100.0	
90°	1.50	100.0	

**Kn/m** **MT**  
1000 ■

Referencia longitudes:  
leght reference:  
Pág. 38-39

**No disponible:**  
*Not available:*  
20mm  
15mm  
10mm

Bigornia bajo pedido  
Horns on request

Code	$\alpha$	R	H
TC320FTR	28°	0.30	100.0
	28°	1.00	100.0
	28°	1.60	100.0
	28°	2.00	100.0
	28°	3.00	100.0
	28°	4.00	100.0
	28°	5.00	100.0
	-	6.00	100.0
	90°	0.20	100.0
	90°	0.50	100.0

**Kn/m** **MT**  
1000 ■

Referencia longitudes:  
leght reference:  
Pág. 38-39

**No disponible:**  
*Not available:*  
20mm  
15mm  
10mm

Bigornia bajo pedido  
Horns on request

## PARA / FOR TCK80TR

Code	$\alpha$	R	H
TC390CTR	90°	0.50	90.0

**Kn/m** **MT**  
800 ■

Referencia longitudes:  
leght reference:  
Pág. 38-39

**No disponible:**  
*Not available:*  
20mm  
15mm  
10mm

Bigornia bajo pedido  
Horns on request

Code	$\alpha$	R	H
TC391CTR	90°	0.50	90.0

**Kn/m** **MT**  
800 ■

Referencia longitudes:  
leght reference:  
Pág. 38-39

**No disponible:**  
*Not available:*  
20mm  
15mm  
10mm

Bigornia bajo pedido  
Horns on request

## PARA / FOR TCK80TR & TCK130TR

Code	$\alpha$	R	H
TC390TR	28°	0.50	90.0

**Kn/m** **MT**  
400 ■

Referencia longitudes:  
leght reference:  
Pág. 38-39

**No disponible:**  
*Not available:*  
20mm  
15mm  
10mm

Bigornia bajo pedido  
Horns on request

Code	$\alpha$	R	H
TC391TR	80°	0.50	90.0

**Kn/m** **MT**  
400 ■

Referencia longitudes:  
leght reference:  
Pág. 38-39

**No disponible:**  
*Not available:*  
20mm  
15mm  
10mm

Bigornia bajo pedido  
Horns on request

## PARA / FOR TCK57TR

Kn/m	Code	$\alpha$	R	H	MT
1000	TC776TR	86°	1.00	100.0	■
	TC774TR	84°	1.00	100.0	■
	TC769TR	28°	6.00	100.0	■
	TC768TR	28°	5.00	100.0	■
	TC767TR	28°	4.00	100.0	■
	TC766TR	28°	3.00	100.0	■
	TC765TR	28°	2.00	100.0	■
	TC763TR	28°	1.00	100.0	■
	TC761TR	28°	0.50	100.0	■

LONGITUD ESTÁNDAR  
STANDARD LEGHT

100mm  
200mm  
300mm  
500mm  
550mm Sect.

Bigornia incluida  
Horns included

# SOPORTES PARA RADIOS / RADIUS HOLDERS

Code

TC308KTR

Kn/m MT

1300 ■

Referencia longitudes:

leght reference:

Pág. 38-39

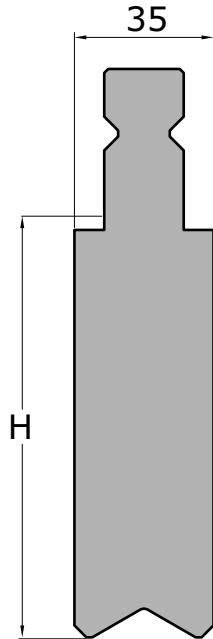
**No disponible:**

Not available:

20mm

15mm

10mm



H

106.0



Code

TC308STR

Kn/m MT

1500 ■

Referencia longitudes:

leght reference:

Pág. 38-39

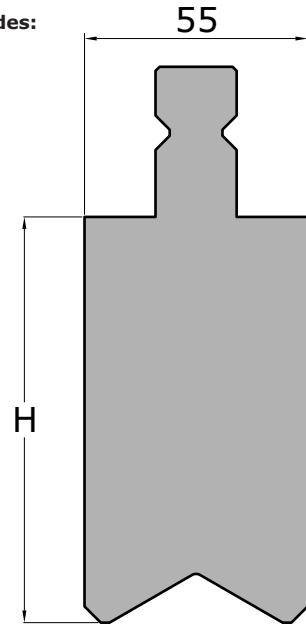
**No disponible:**

Not available:

20mm

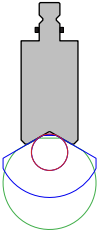
15mm

10mm



H

100.0



## PARA / FOR TC308KTR

Code

TCRBTR

MT



Referencia longitudes:

leght reference:

Pág. 38-39

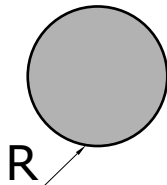
**No disponible:**

Not available:

20mm

15mm

10mm



R

Kn/m

10.0 1300

12.5 1300

15.0 1500

17.5 1500

20.0 1500

25.0 1500

## PARA / FOR TC308STR

Code

TCRBTR

MT



Referencia longitudes:

leght reference:

Pág. 38-39

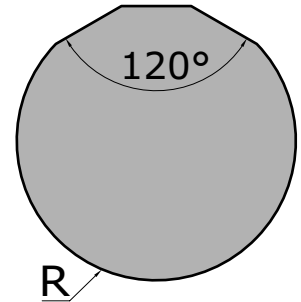
**No disponible:**

Not available:

20mm

15mm

10mm



R

Kn/m

45.0 1500

## PARA / FOR TC308STR

Code

TCRBTR

MT



Referencia longitudes:

leght reference:

Pág. 38-39

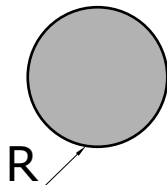
**No disponible:**

Not available:

20mm

15mm

10mm



R

Kn/m

15.0 1500

17.5 1500

20.0 1500

25.0 1500

30.0 1500

35.0 1500

40.0 1500

Code

TCRBTR

MT



Referencia longitudes:

leght reference:

Pág. 38-39

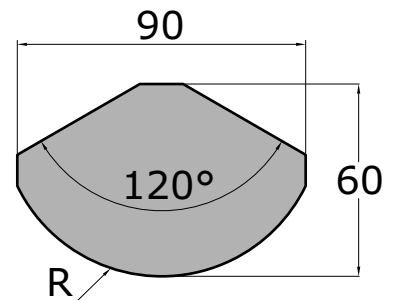
**No disponible:**

Not available:

20mm

15mm

10mm



R

Kn/m

50.0 1500

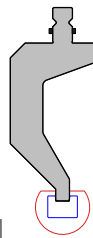
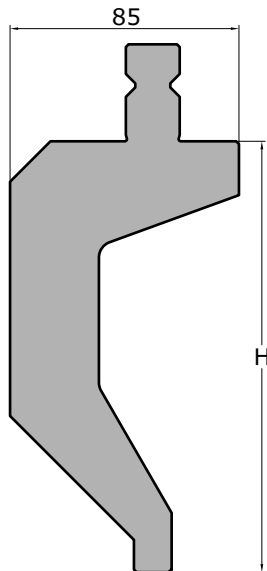
# SOPORTES PARA RADIOS / RADIUS HOLDERS

**Code**  
TC314KTR

**H** 160.0  
**MT** ■

**Kn/m**  
800

LONGITUD ESTÁNDAR  
STANDARD LEGHT  
412mm  
830mm

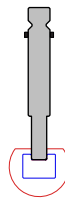
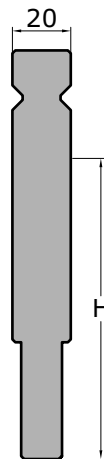


**Code**  
TC316KTR

**H** 103.0  
**MT** ■

**Kn/m**  
800

LONGITUD ESTÁNDAR  
STANDARD LEGHT  
412mm  
830mm

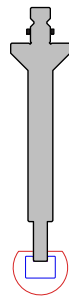
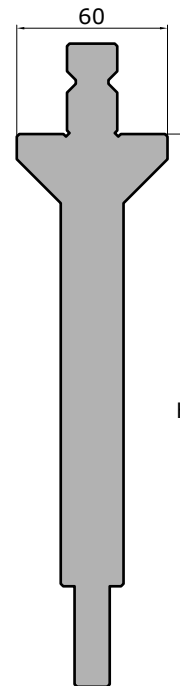


**Code**  
TC318STR

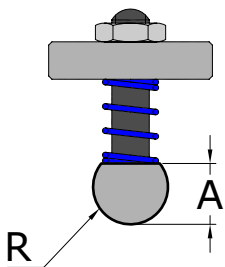
**H** 220.0  
**MT** ■

**Kn/m**  
800

LONGITUD ESTÁNDAR  
STANDARD LEGHT  
412mm  
830mm



## PARA / FOR TC314KTR / TC316KTR / TC318STR

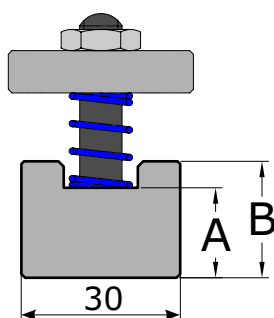


Code	R	A
TC1300AM	7.00	11.5
TC1301AM	7.50	11.5
TC1302AM	8.00	13.0
TC1303AM	9.00	16.0
TC1304AM	10.0	16.0
TC1305AM	11.0	16.0
TC1306AM	11.5	19.0
TC1307AM	12.0	20.0

**MT** \*El código para la versión 42CrMo4 nitrurado añadir una H (ej.: TC1300AMH)  
■ \*The code for the version 42CrMo4 nitrided contains an H (ex: TC1300AMH)  
■

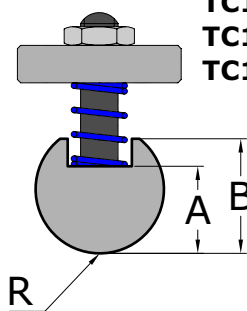
LONGITUD ESTÁNDAR 415mm  
STANDARD LEGHT 835mm

Code	A	B
TC1325AM	17.0	22.0



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

Code	R	A	B
TC1308AM	12.5	16.0	21.0
TC1309AM	13.0	17.0	23.0
TC1310AM	14.0	19.0	25.0
TC1311AM	15.0	20.0	27.0
TC1312AM	16.0	21.0	28.0
TC1313AM	17.0	21.5	31.5
TC1314AM	17.5	22.0	32.0
TC1315AM	19.0	25.0	32.0
TC1316AM	20.0	24.0	34.0
TC1317AM	22.5	25.0	33.0
TC1318AM	25.0	29.0	39.0
TC1319AM	27.5	34.0	44.0
TC1320AM	30.0	34.0	44.0
TC1321AM	35.0	45.0	55.0
TC1322AM	40.0	45.0	55.0
TC1323AM	45.0	50.0	60.0
TC1324AM	50.0	54.0	64.0



**MT** \*El código para la versión 42CrMo4 nitrurado añadir una H (ej.: TC1308AMH)  
■ \*The code for the version 42CrMo4 nitrided contains an H (ex: TC1308AMH)  
■

# PROLONGADORES / EXTENSIONS

**Code**  
TCMDFXH60TR

PROLONGADOR  
EXTENSION

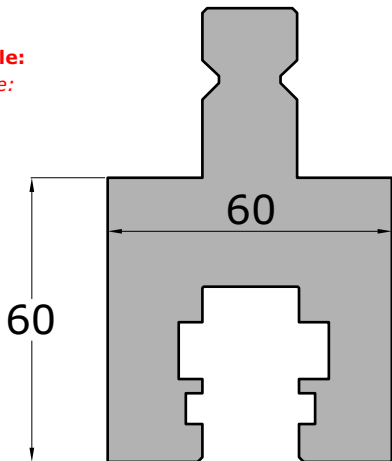
**H**  
106.0

**Kn/m** **MT**  
1500

Referencia longitudes:

Solo Sect. B  
(máx. 100mm)  
Sect. reference:  
Pág. 39

**No disponible:**  
*Not available:*  
500mm  
300mm  
200mm  
20mm  
15mm  
10mm



**Code**  
TCMDFXH80TR

PROLONGADOR  
EXTENSION

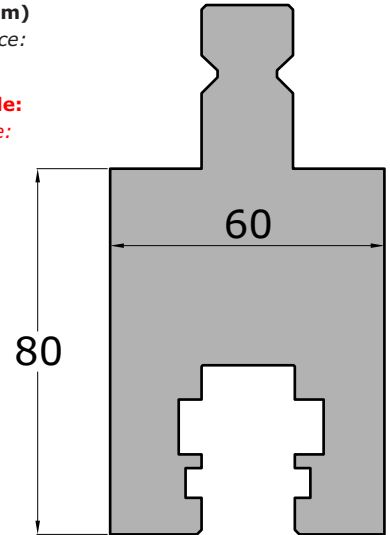
**H**  
80.0

**Kn/m** **MT**  
1500

Referencia longitudes:

Solo Sect. B  
(máx. 100mm)  
Sect. reference:  
Pág. 39

**No disponible:**  
*Not available:*  
500mm  
300mm  
200mm  
20mm  
15mm  
10mm



**Code**  
TCMDFXH100TR

PROLONGADOR  
EXTENSION

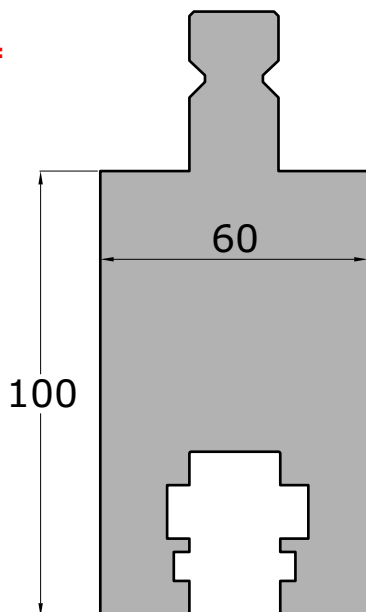
**H**  
100.0

**Kn/m** **MT**  
1500

Referencia longitudes:

Solo Sect. B  
(máx. 100mm)  
Sect. reference:  
Pág. 39

**No disponible:**  
*Not available:*  
500mm  
300mm  
200mm  
20mm  
15mm  
10mm



**Code**  
TCMDFXH150TR

PROLONGADOR  
EXTENSION

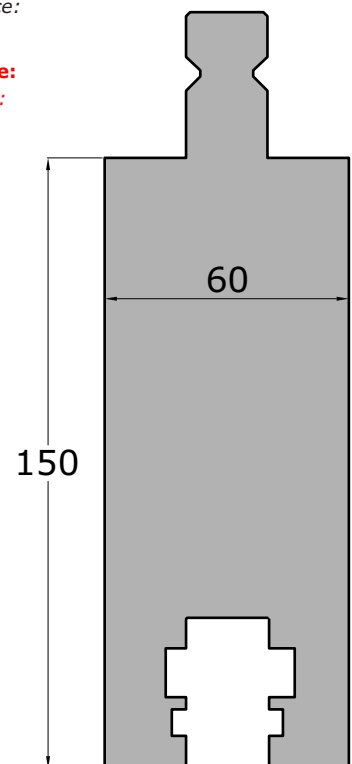
**H**  
150.0

**Kn/m** **MT**  
1500

Referencia longitudes:

Solo Sect. B  
(máx. 100mm)  
Sect. reference:  
Pág. 39

**No disponible:**  
*Not available:*  
500mm  
300mm  
200mm  
20mm  
15mm  
10mm



# PROLONGADORES / EXTENSIONS

**Code**  
TCMDFXH200TR

PROLONGADOR  
EXTENSION

**H**  
200.0

**Code**  
TCMDFXH220TR

PROLONGADOR  
EXTENSION

**H**  
220.0

**Kn/m** **MT**  
1000 ■

**Kn/m** **MT**  
900 ■

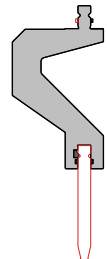
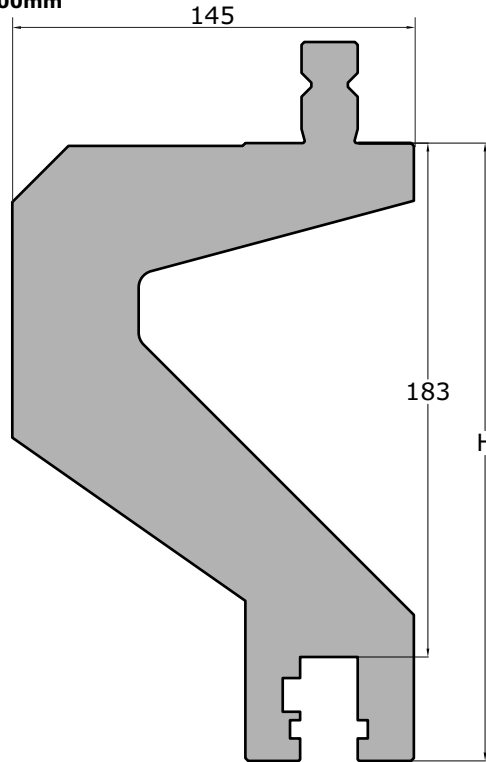
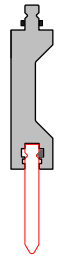
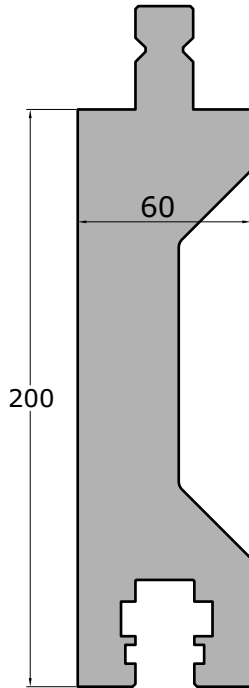
Referencia longitudes:

Solo Sect. B  
(máx. 100mm)  
Sect. reference:  
Pág. 39

**No disponible:**

*Not available:*

500mm  
300mm  
200mm  
20mm  
15mm  
10mm



**Code**  
TCMDFXVTR

PORTA MATRIZ  
DIE HOLDER

**H**  
50.0

**Code**  
TCMDFXVLTR

PORTA MATRIZ  
DIE HOLDER

**H**  
50.0

**Kn/m** **MT**  
1000 ■

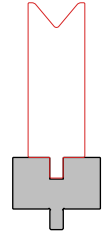
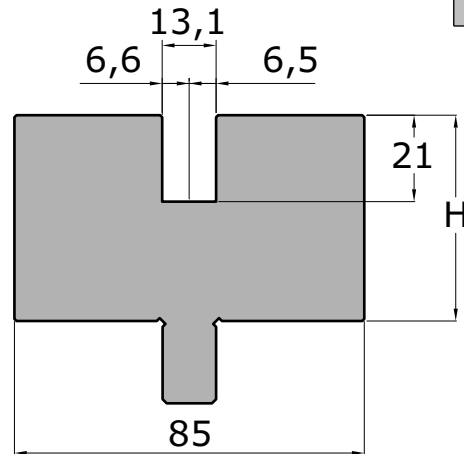
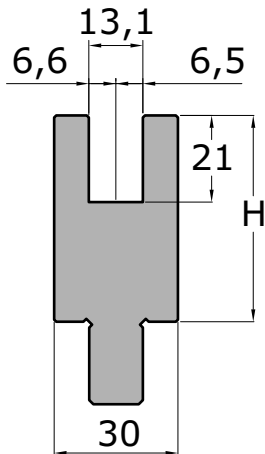
**Kn/m** **MT**  
1000 ■

**Longitud disponible:**

*Available length:*  
500mm

**Longitud disponible:**

*Available length:*  
500mm



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# ADAPTADORES / ADAPTERS

Code

**TCAM80TR**

Kn/m MT

1000 ■

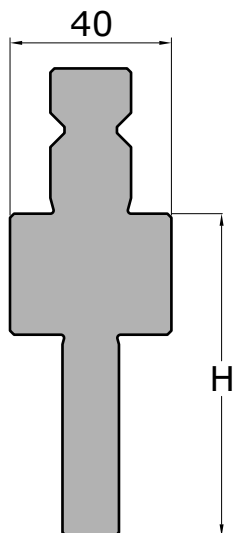
Mordazas No incluidas  
Clamp plate NOT included

Longitud disponible:  
Available length:  
150mm

TRUMPF → AMADA

H

80.0



Code

**TCAM120TR**

Kn/m MT

1000 ■

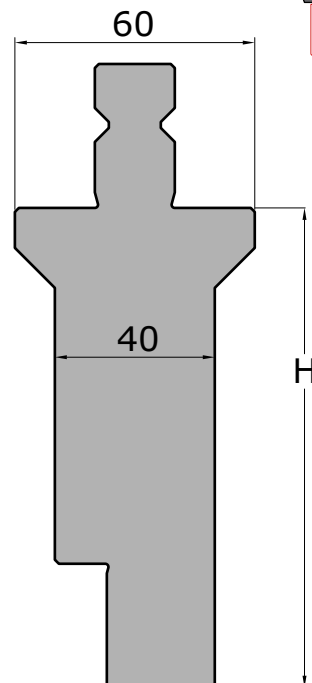
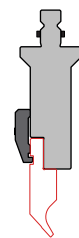
Mordazas No incluidas  
Clamp plate NOT included

Longitud disponible:  
Available length:  
150mm

TRUMPF → AMADA

H

120.0



Code

**TCAM220TR**

Kn/m MT

900 ■

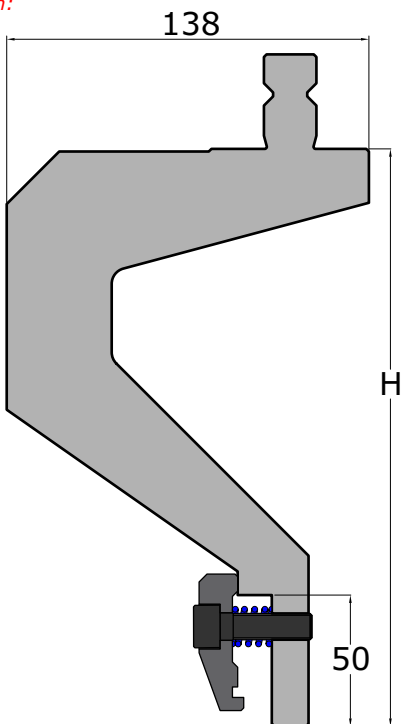
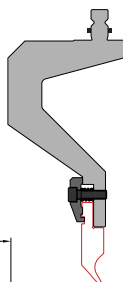
Mordazas No incluidas  
Clamp plate NOT included

Longitud disponible:  
Available length:  
200mm

TRUMPF → AMADA

H

220.0



Code

**TCAMV40TR**

Kn/m MT

1000 ■

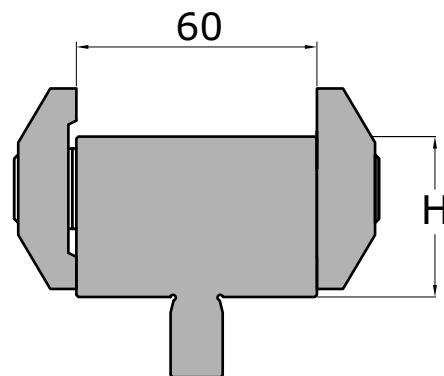
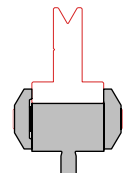
Mordazas No incluidas  
Clamp plate NOT included

Longitud disponible:  
Available length:  
415mm  
835mm

TRUMPF → AMADA

H

40.0



# PLIEGA Z / Z FOLDERS

**Code**

**TCK90TR**

**Kn/m MT**

**1500** ■

Referencia longitudes:

leght reference:

Pág. 38-39

**No disponible:**

*Not available:*

20mm

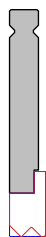
15mm

10mm



**H**

**90.0**



**Code**

**TCS190TR**

**Kn/m MT**

**1500** ■

Referencia longitudes:

leght reference:

Pág. 38-39

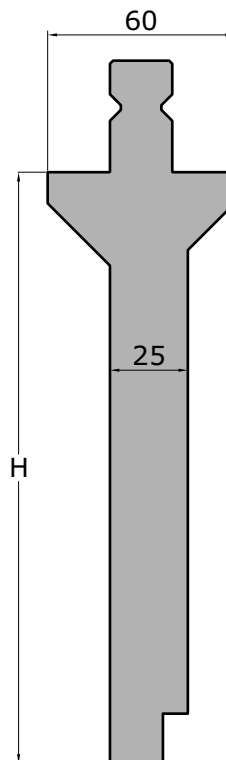
**No disponible:**

*Not available:*

20mm

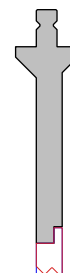
15mm

10mm



**H**

**190.0**



**Code**

**TCEV70TR**

**Kn/m MT**

**1200** ■

Referencia longitudes:

leght reference:

Pág. 38-39

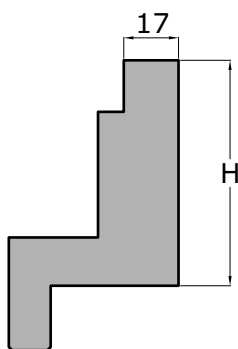
**No disponible:**

*Not available:*

20mm

15mm

10mm



**H**

**70.0**



**Code**

**TCEV70MTR**

**Kn/m MT**

**1200** ■

Referencia longitudes:

leght reference:

Pág. 38-39

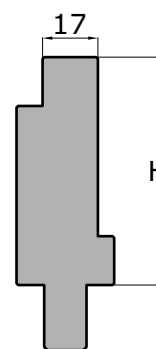
**No disponible:**

*Not available:*

20mm

15mm

10mm



**H**

**70.0**



**Code**

**TCINF180TR**

**Kn/m MT**

**1300** ■

Referencia longitudes:

leght reference:

Pág. 38-39

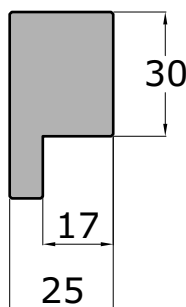
**No disponible:**

*Not available:*

20mm

15mm

10mm



**Code**

**TCZE90TR**

**Kn/m MT**

**1200** ■

**α**

**90°**

Referencia longitudes:

leght reference:

Pág. 38-39

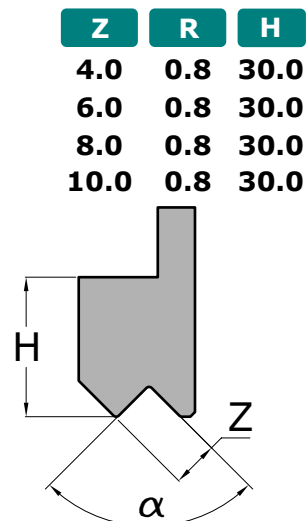
**No disponible:**

*Not available:*

20mm

15mm

10mm



**Z**

**R**

**H**

**4.0 0.8 30.0**

**6.0 0.8 30.0**

**8.0 0.8 30.0**

**10.0 0.8 30.0**

# PLIEGA Z / Z FOLDERS

Code
TCZE90TR
<b>Kn/m</b> <b>MT</b>
1200 ■

**$\alpha$**   
90°

Referencia longitudes:

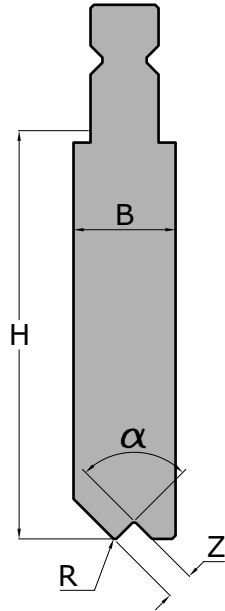
leght reference:  
Pág. 38-39

**No disponible:**

Not available:

20mm  
15mm  
10mm

Z	R	B	H
4.0	0.6	20.0	120.0
6.0	0.6	20.0	120.0
8.0	1.0	30.0	120.0
10.0	1.0	30.0	120.0



Code
TCVZ90TR
<b>Kn/m</b> <b>MT</b>
1200 ■

**$\alpha$**   
90°

Referencia longitudes:

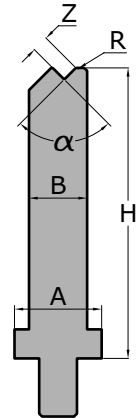
leght reference:  
Pág. 38-39

**No disponible:**

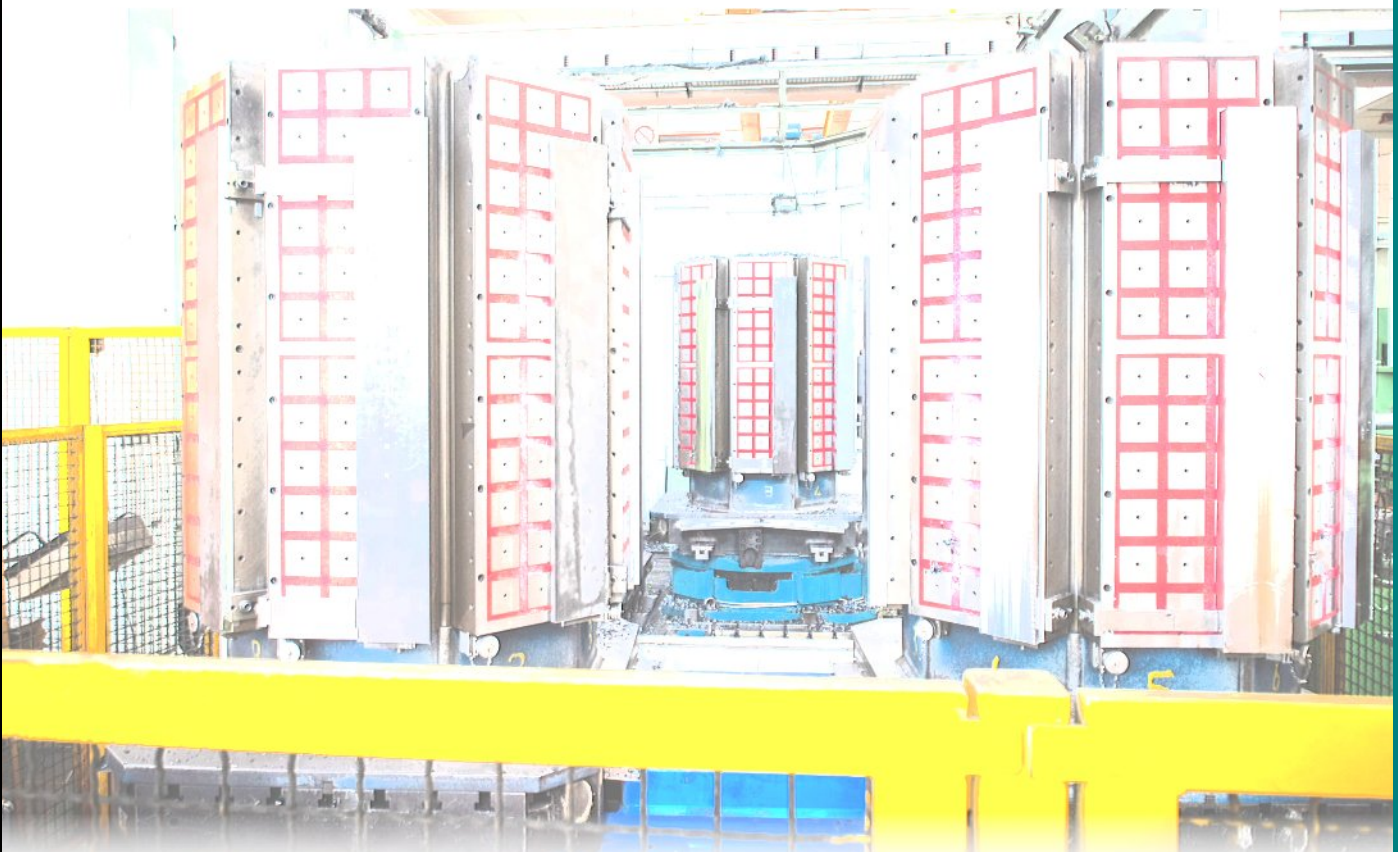
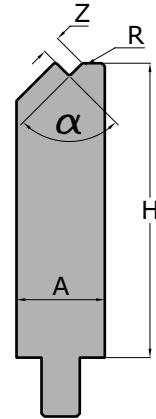
Not available:

20mm  
15mm  
10mm

Z	R	A	B	H
4.0	0.6	30.0	20.0	100.0
6.0	0.6	30.0	20.0	100.0



Z	R	A	H
8.0	1.0	30.0	100.0
10.0	1.0	30.0	100.0

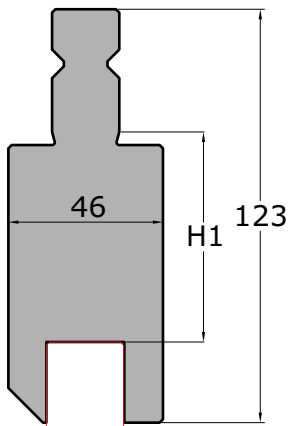




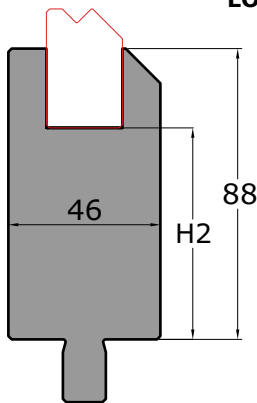
# PLIEGA Z / Z FOLDERS

Code	H1	H2	MT
TCZK62TR	62.0	90.0	<span style="color: green;">■</span>

**Kn/m**  
1000

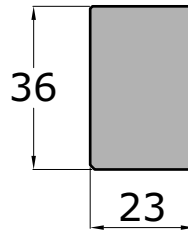


LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm



## INSERTOS INSERTS

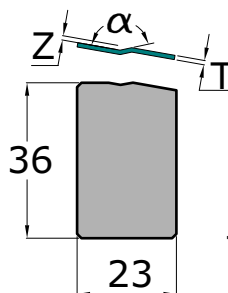
Code	$\alpha$	Z	R	T	MT
TC4500AM					<span style="color: yellow;">■</span>



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000

Code	$\alpha$	Z	R	T	MT
TC4510AM	160°	1.0	0.5	1.0	<span style="color: yellow;">■</span>
TC4515AM	160°	1.5	0.5	1.2	<span style="color: yellow;">■</span>
TC4520AM	150°	2.0	0.5	1.5	<span style="color: yellow;">■</span>
TC4525AM	140°	2.5	0.5	1.5	<span style="color: yellow;">■</span>

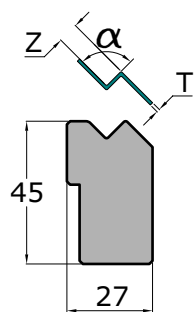


LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000

T=ESPESSOR MÁX.  
T=MAX. THICKNESS

Code	$\alpha$	Z	R	T	MT
TC4585AM	90°	8.5	0.8	2.0	<span style="color: yellow;">■</span>
TC4590AM	90°	9.0	0.8	2.0	<span style="color: yellow;">■</span>
TC4610AM	90°	10.0	0.8	2.0	<span style="color: yellow;">■</span>
TC4611AM	90°	11.0	1.0	2.0	<span style="color: yellow;">■</span>
TC4612AM	90°	12.0	1.0	2.0	<span style="color: yellow;">■</span>



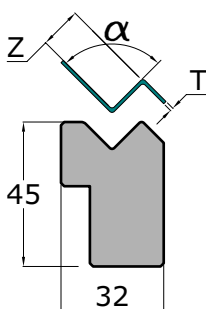
LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000

T=ESPESSOR MÁX.  
T=MAX. THICKNESS

Code	$\alpha$	Z	R	T	MT
TC4511AM	90°	1.0	0.3	0.5	<span style="color: yellow;">■</span>
TC4516AM	90°	1.5	0.3	0.5	<span style="color: yellow;">■</span>
TC4521AM	90°	2.0	0.5	0.8	<span style="color: yellow;">■</span>
TC4526AM	90°	2.5	0.5	1.0	<span style="color: yellow;">■</span>
TC4530AM	90°	3.0	0.5	1.0	<span style="color: yellow;">■</span>
TC4535AM	90°	3.5	0.5	1.2	<span style="color: yellow;">■</span>
TC4540AM	90°	4.0	0.5	1.2	<span style="color: yellow;">■</span>
TC4545AM	90°	4.5	0.5	1.5	<span style="color: yellow;">■</span>
TC4550AM	90°	5.0	0.5	1.5	<span style="color: yellow;">■</span>
TC4555AM	90°	5.5	0.5	1.5	<span style="color: yellow;">■</span>
TC4560AM	90°	6.0	0.5	1.5	<span style="color: yellow;">■</span>
TC4565AM	90°	6.5	0.5	1.5	<span style="color: yellow;">■</span>
TC4570AM	90°	7.0	0.5	1.5	<span style="color: yellow;">■</span>
TC4575AM	90°	7.5	0.5	1.6	<span style="color: yellow;">■</span>
TC4580AM	90°	8.0	0.5	1.6	<span style="color: yellow;">■</span>

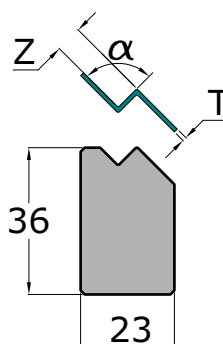
Code	$\alpha$	Z	R	T	MT
TC4613AM	90°	13.0	1.0	2.5	<span style="color: yellow;">■</span>
TC4614AM	90°	14.0	1.0	2.5	<span style="color: yellow;">■</span>
TC4615AM	90°	15.0	1.0	3.0	<span style="color: yellow;">■</span>



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000

T=ESPESSOR MÁX.  
T=MAX. THICKNESS



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000

T=ESPESSOR MÁX.  
T=MAX. THICKNESS

# ARMARIO DE ÚTILES / TOOLING CABINETS

## Leyenda / Description

**L** Máx. longitud del útil en mm.

**L** Máx. length tool in mm.

**N** N° máx. de útiles

**N** N° max. tools

**W** Peso en Kg.

**W** Weigth in Kg.

**OTROS COLORES BAJO PEDIDO**  
OTHER COLORS ON DEMAND



Code	L	N	W
TC4652TR	1100	55	450

Code	L	N	W
TC4653TR	1100	30	300

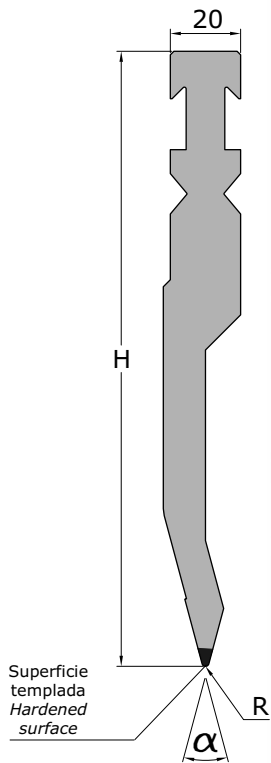


**Estos modelos de armarios de útiles son compatibles con los tipos**

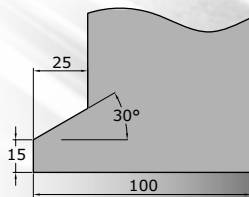
*These tooling cabinets are compatible with type*

**Bystronic / LVD / Wila**





**Bigornia estándar**  
Horn Type:



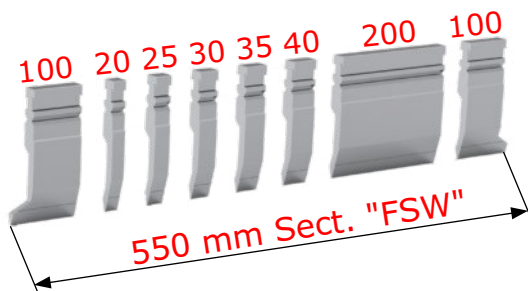
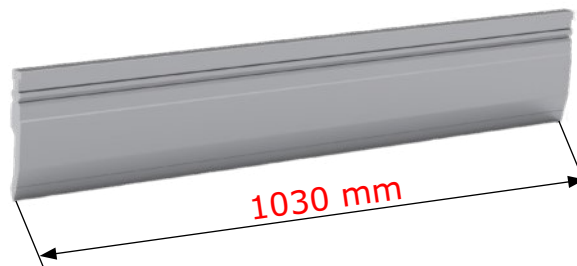
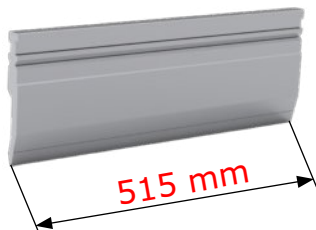
## LEYENDA / DESCRIPTION

**H** = ALTURA PUNZÓN / PUNCH HEIGHT

**$\alpha$**  = ÁNGULO PUNZÓN / PUNCH DEGREE

**R** = RADIO PUNZÓN / PUNCH RADIUS

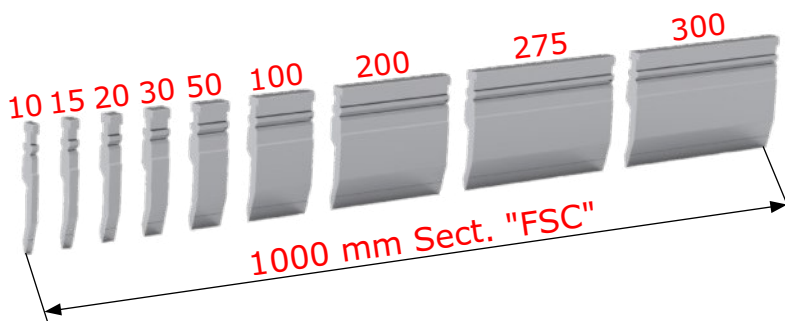
## LONGITUD ESTÁNDAR

  
STANDARD LENGTHS


**Bajo pedido, 1100mm FSL fraccionado disponible en medidas:**

*On demand, 1100mm FSL segmentation is available in these measures:*

10mm	15mm
20mm	30mm
50mm	100mm
200mm	300mm
	375mm



**Bajo pedido, fraccionado disponible en medidas:**

*On demand, segmentation is available in these measures:*

10mm	60mm
15mm	65mm
20mm	70mm
25mm	75mm
30mm	80mm
35mm	90mm
40mm	95mm
45mm	100mm
50mm	200mm
55mm	275mm
	300mm

**\*\* Bigornias disponibles individualmente**  
**\*\* Horns available individually**

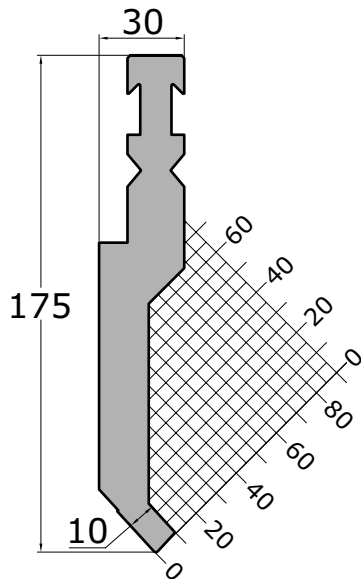
**La carga máxima de las bigornias corresponde al 50% de la carga máxima indicada en el punzón.**  
**The horns max load is 50% of the max load of the punch.**

# PUNZONES TIPO RF-A / PUNCHES RF-A TYPE

**Code**  
TCP2RFABE

**$\alpha$**  85° **R** 1.00 **H** 175.0 **MT** ■

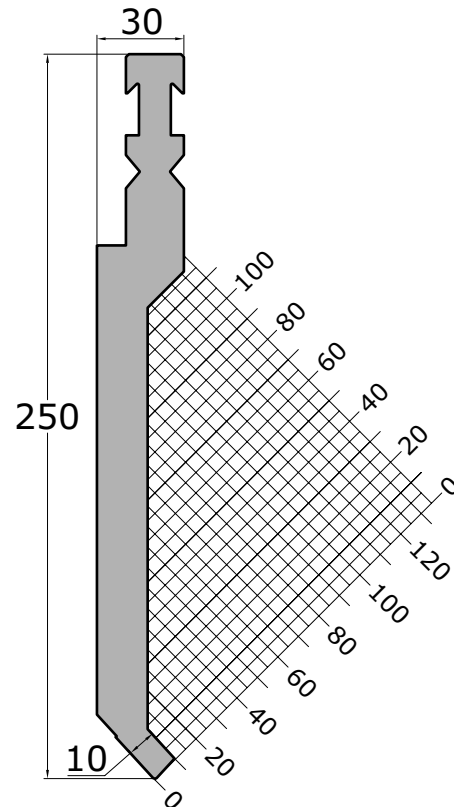
**Kn/m**  
1000



**Code**  
TCP2RFA250BE

**$\alpha$**  85° **R** 1.00 **H** 250.0 **MT** ■

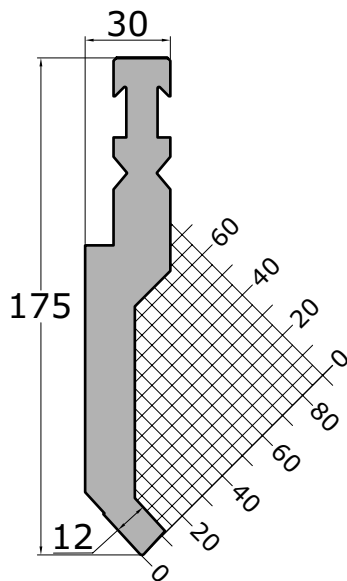
**Kn/m**  
1000



**Code**  
TCP3RFABE

**$\alpha$**  85° **R** 1.00 **H** 175.0 **MT** ■

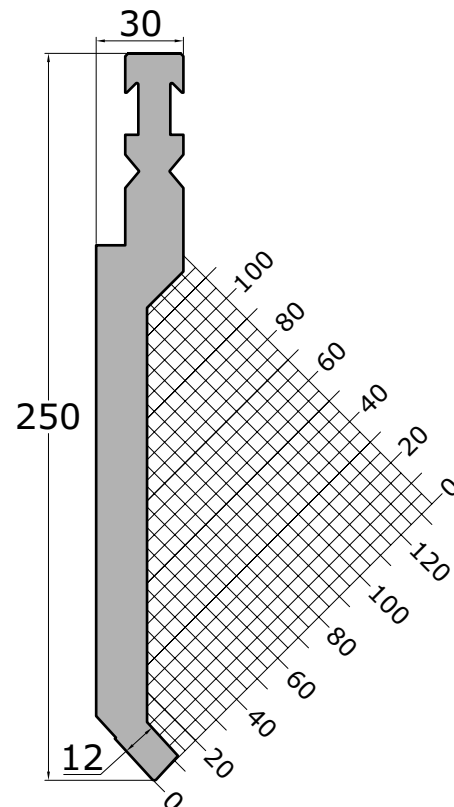
**Kn/m**  
1300



**Code**  
TCP3RFA250BE

**$\alpha$**  85° **R** 1.00 **H** 250.0 **MT** ■

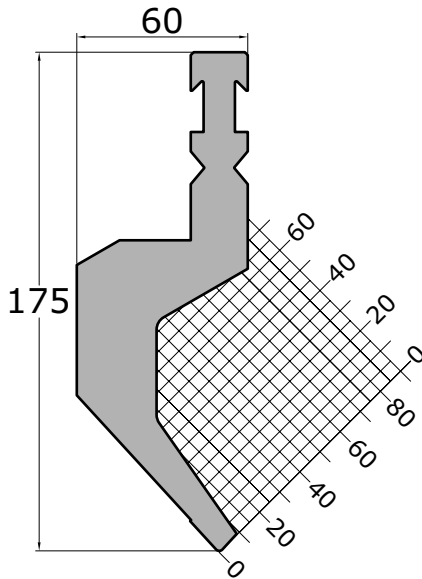
**Kn/m**  
1300



# PUNZONES TIPO RF-A / PUNCHES RF-A TYPE

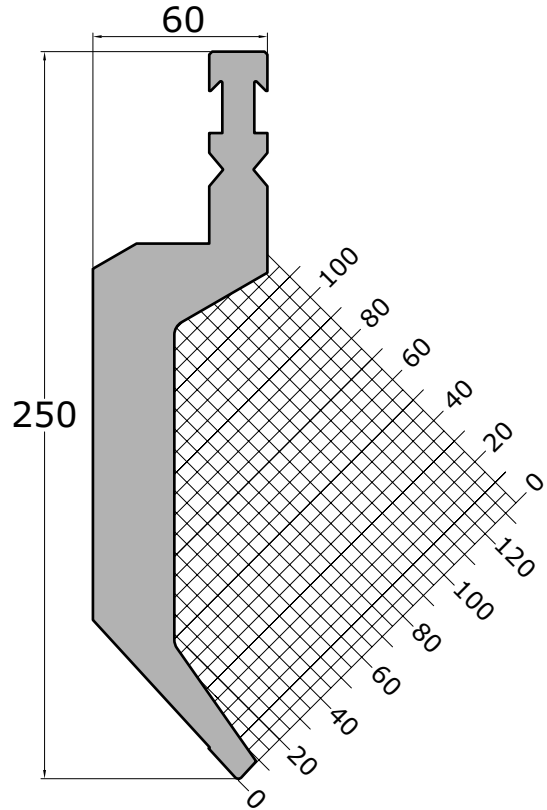
Code	$\alpha$	R	H	MT
TCP4RFABE	85°	1.00	175.0	■
		1.50	175.0	■

**Kn/m**  
600



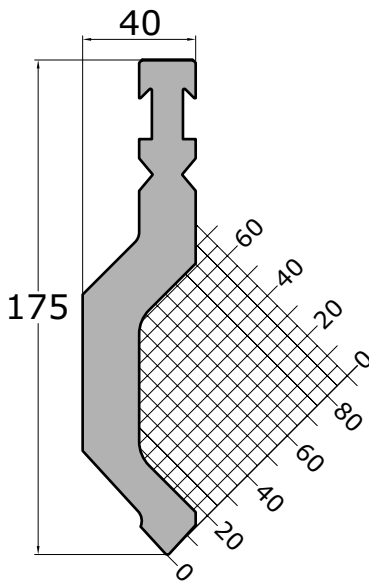
Code	$\alpha$	R	H	MT
TCP4RFA250BE	85°	1.00	250.0	■
		1.50	250.0	■

**Kn/m**  
600



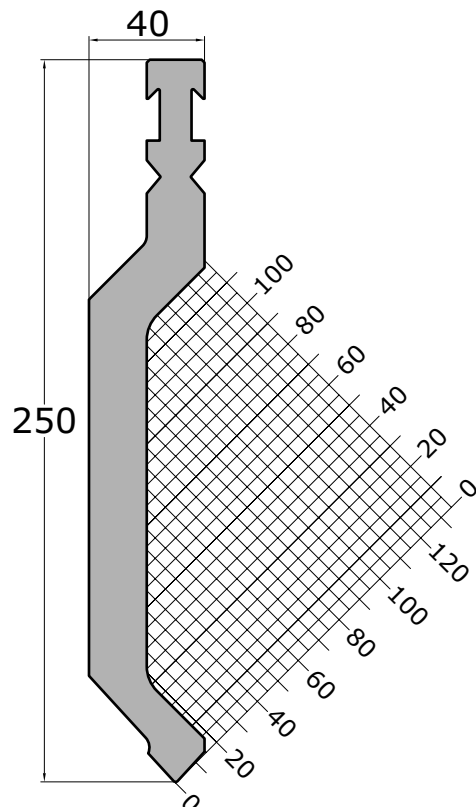
Code	$\alpha$	R	H	MT
TCP8RFABE	85°	1.00	175.0	■

**Kn/m**  
1000



Code	$\alpha$	R	H	MT
TCP8RFA250BE	85°	1.00	250.0	■

**Kn/m**  
1000



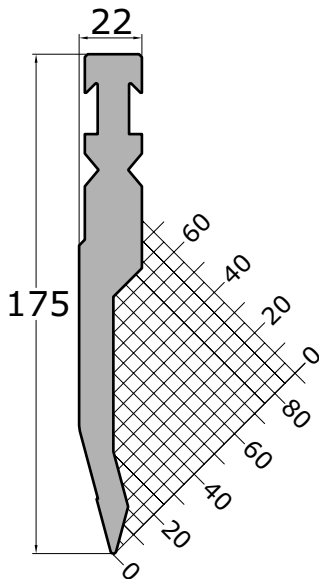
BYSTRONIG®

# PUNZONES TIPO RF-A / PUNCHES RF-A TYPE

**Code**  
TCP5RFABE

**$\alpha$**  30° **R** 1.00 **H** 175.0 **MT** ■

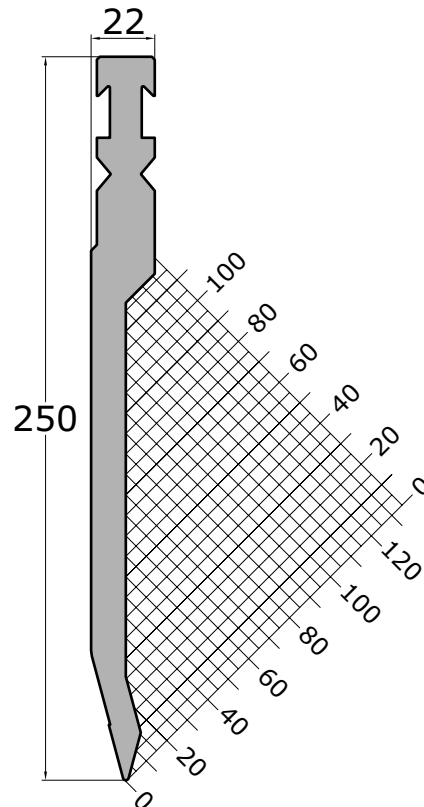
**Kn/m**  
1000



**Code**  
TCP5RFA250BE

**$\alpha$**  30° **R** 1.00 **H** 250.0 **MT** ■

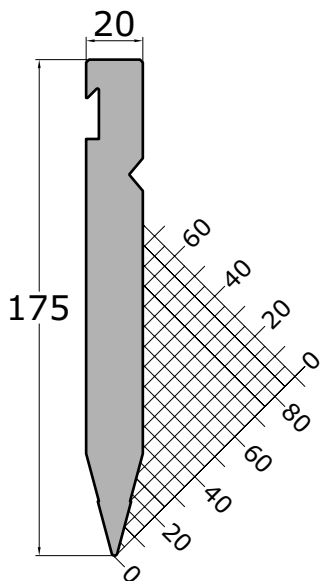
**Kn/m**  
750



**Code**  
TCP6RFABE

**$\alpha$**  30° **R** 1.00 **H** 175.0 **MT** ■

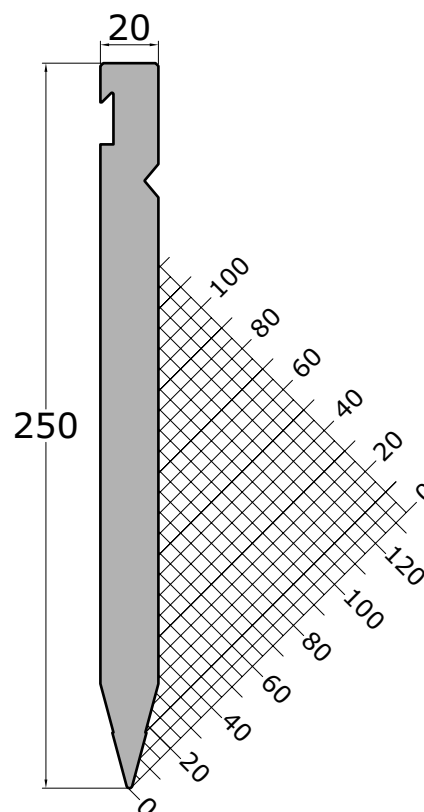
**Kn/m**  
1500



**Code**  
TCP6RFA250BE

**$\alpha$**  30° **R** 1.00 **H** 250.0 **MT** ■

**Kn/m**  
1500

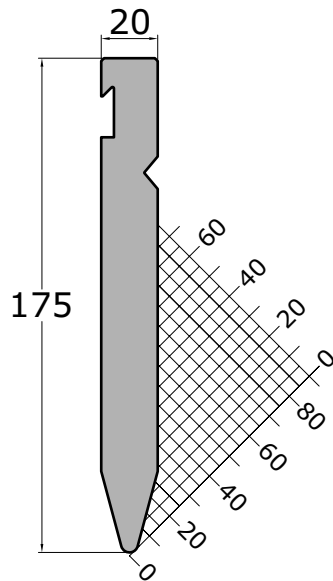


# PUNZONES TIPO RF-A / PUNCHES RF-A TYPE

**Code**  
TCP7RFABE

**$\alpha$**  30° **R** 3.00 **H** 175.0 **MT** ■

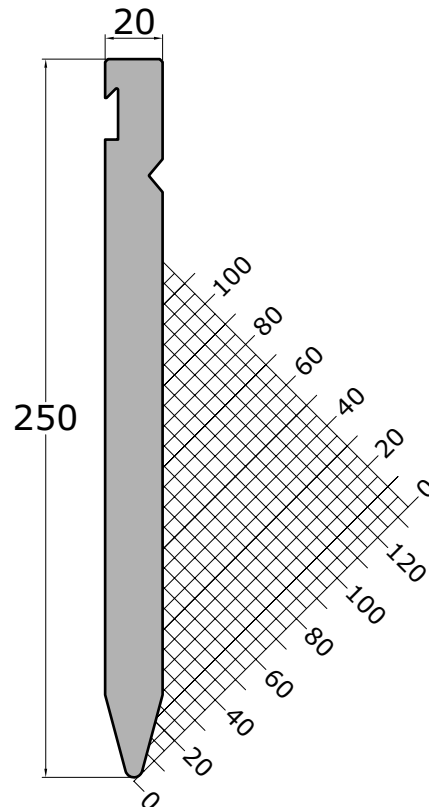
**Kn/m**  
1600



**Code**  
TCP7RFA250BE

**$\alpha$**  30° **R** 3.00 **H** 250.0 **MT** ■

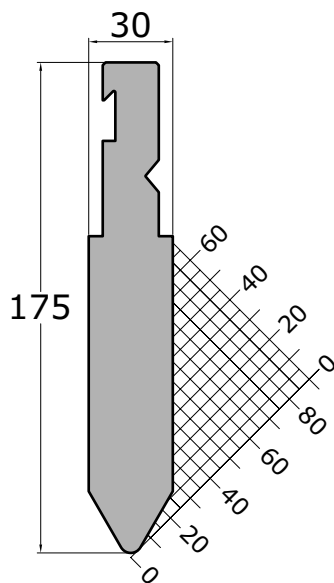
**Kn/m**  
1600



**Code**  
TCP9RFABE

**$\alpha$**  60° **R** 4.00 **H** 175.0 **MT** ■

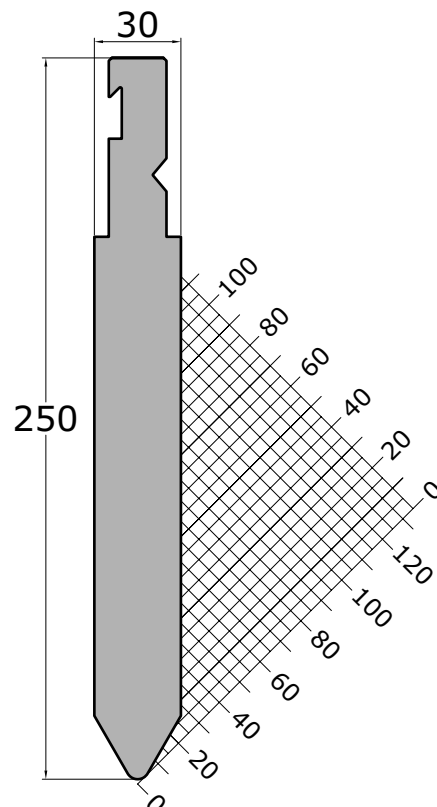
**Kn/m**  
1600



**Code**  
TCP9RFA250BE

**$\alpha$**  60° **R** 4.00 **H** 250.0 **MT** ■

**Kn/m**  
1600



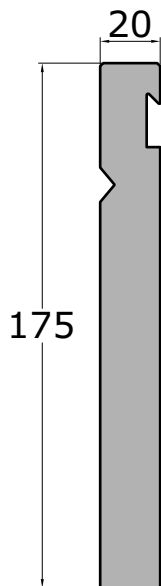
BYSTRONIG®

# PUNZONES TIPO RF-A / PUNCHES RF-A TYPE

**Code**  
TCP11RFABE

**$\alpha$**  **R** **H** **MT**  
- - 175.0 ■

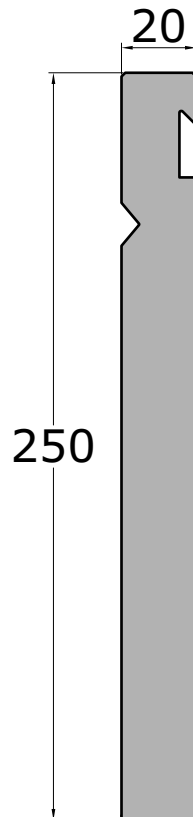
**Kn/m**  
1600



**Code**  
TCP11RFA250BE

**$\alpha$**  **R** **H** **MT**  
- - 250.0 ■

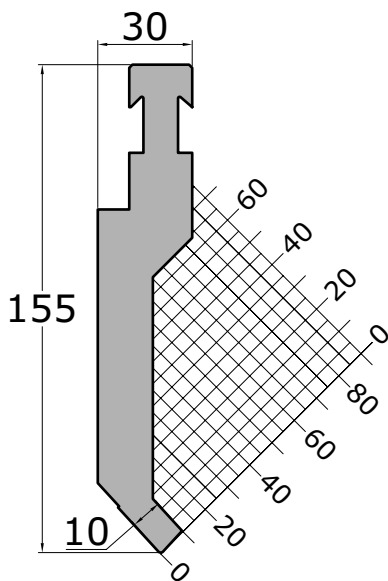
**Kn/m**  
1600



**Code**  
TCP2RBE

**$\alpha$**  **R** **H** **MT**  
85° 1.00 175.0 ■

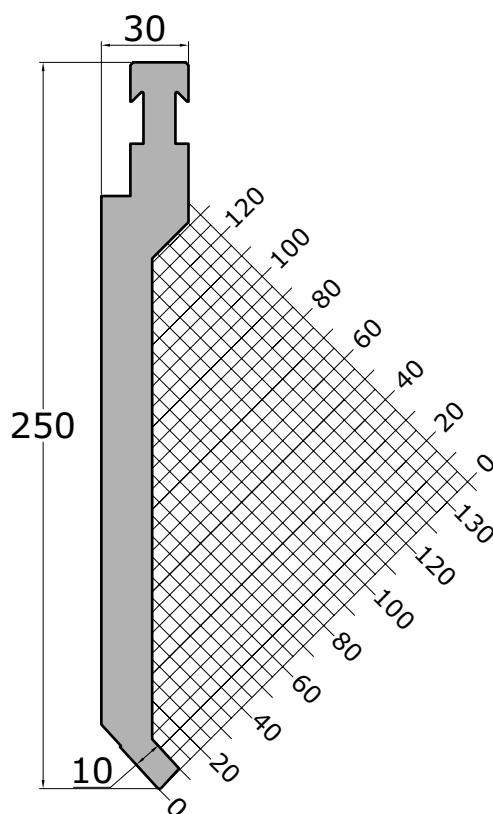
**Kn/m**  
1000



**Code**  
TCP2RF250BE

**$\alpha$**  **R** **H** **MT**  
85° 1.00 250.0 ■

**Kn/m**  
1000

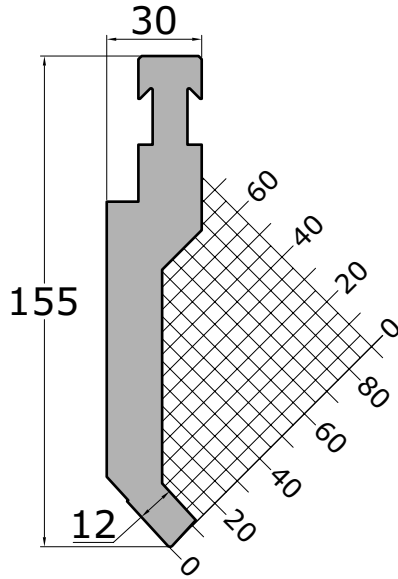




# PUNZONES TIPO R / PUNCHES R TYPE

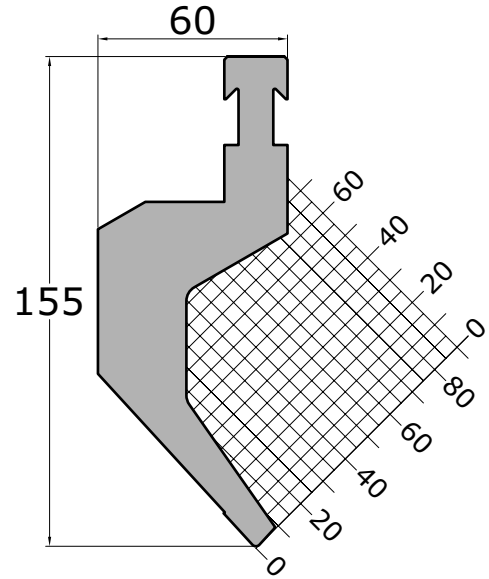
Code	$\alpha$	R	H	MT
TCP3RBE	85°	1.00	155.0	■

**Kn/m**  
1300



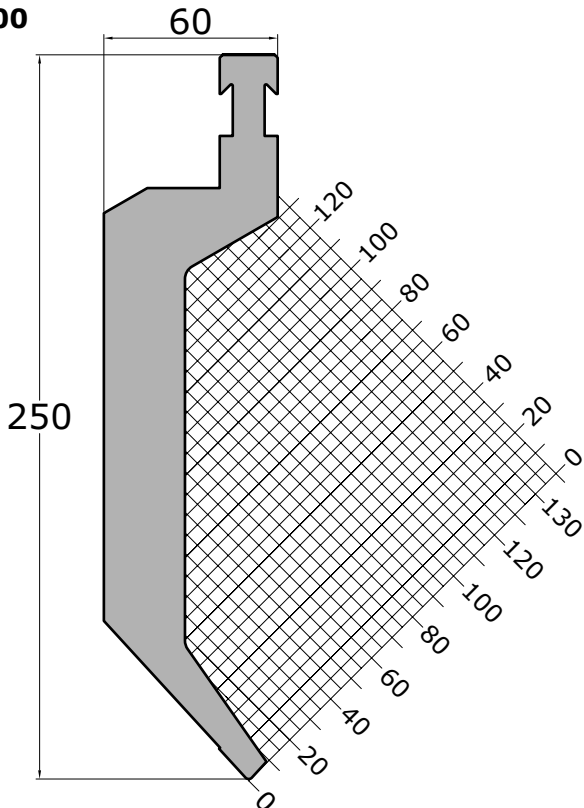
Code	$\alpha$	R	H	MT
TCP4RBE	85°	1.00	155.0	■
		1.50	155.0	■

**Kn/m**  
600



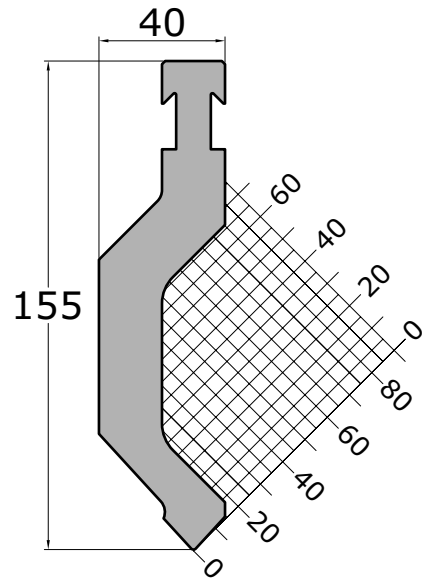
Code	$\alpha$	R	H	MT
TCP4RBE	85°	1.00	250.0	■
		1.50	250.0	■

**Kn/m**  
700



Code	$\alpha$	R	H	MT
TCP8RBE	60°	1.00	155.0	■

**Kn/m**  
1000



BYSTRONIG®

# PUNZONES TIPO R / PUNCHES R TYPE

Code

TCP5RBE

$\alpha$

30°

R

1.00

H

155.0

MT



Code

TCP5RFABE

$\alpha$

30°

R

1.00

H

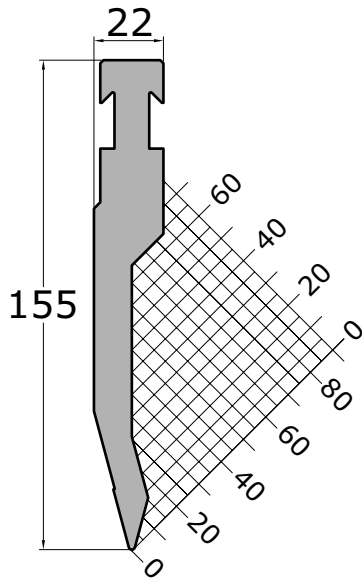
250.0

MT



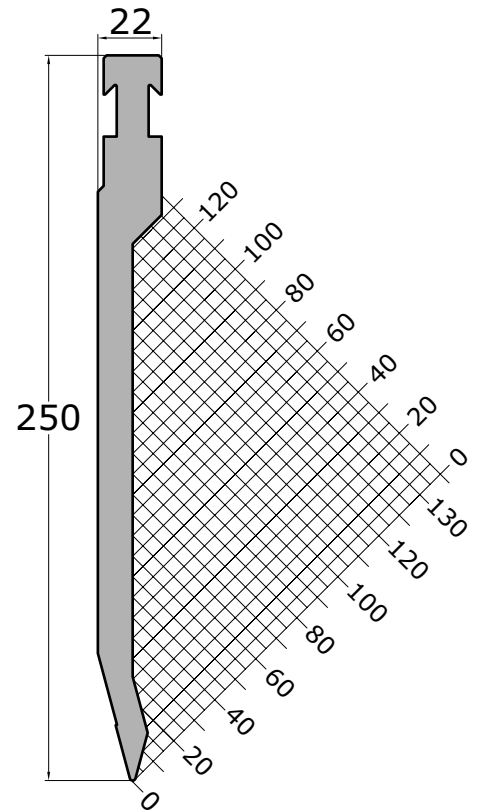
Kn/m

1000



Kn/m

750



Code

TCP6RBE

$\alpha$

30°

R

1.00

H

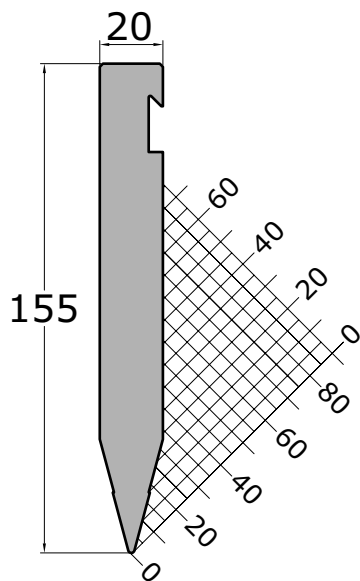
155.0

MT



Kn/m

1500

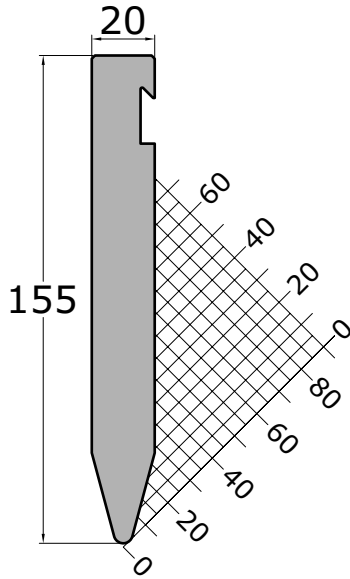


# PUNZONES TIPO R / PUNCHES R TYPE

**Code**  
TCP7RBE

**$\alpha$**  30°   **R** 3.00   **H** 155.0   **MT** ■

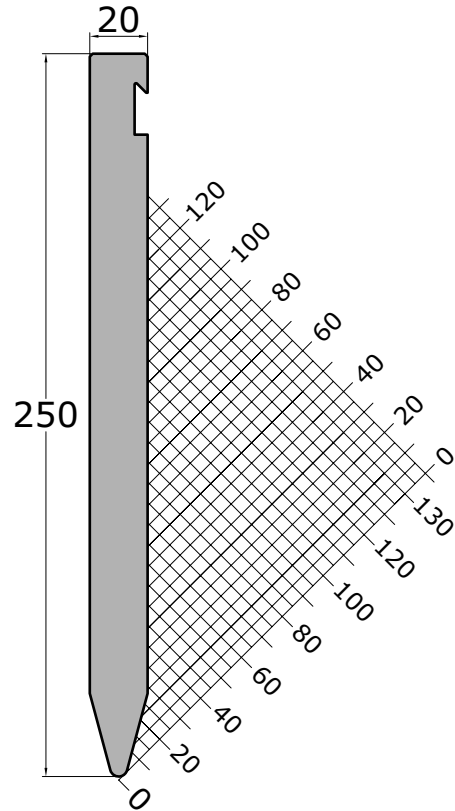
**Kn/m**  
1600



**Code**  
TCP7RFA

**$\alpha$**  30°   **R** 3.00   **H** 250.0   **MT** ■

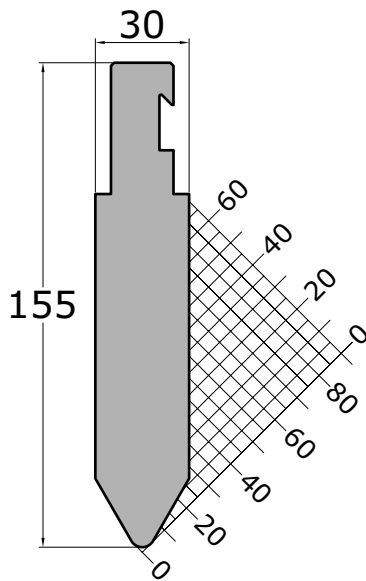
**Kn/m**  
1600



**Code**  
TCP9RBE

**$\alpha$**  60°   **R** 4.00   **H** 155.0   **MT** ■

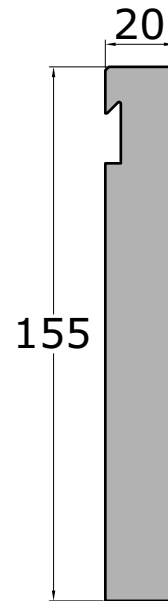
**Kn/m**  
1600



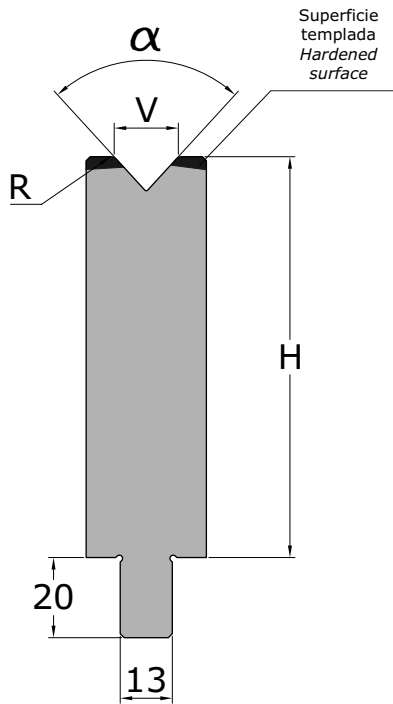
**Code**  
TCP11RBE

**$\alpha$**  -   **R** -   **H** 155.0   **MT** ■

**Kn/m**  
1600



BYSTRONIG®



**Amarre estándar**  
Standard clamp

**Bajo pedido, 1100mm FSL fraccionado disponible en medidas:**

*On demand, 1100mm FSL segmentation is available in these measures:*

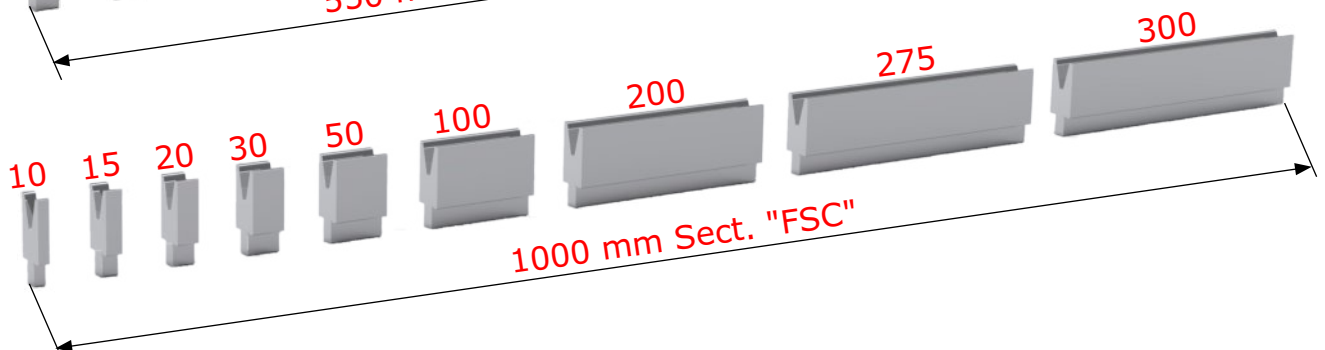
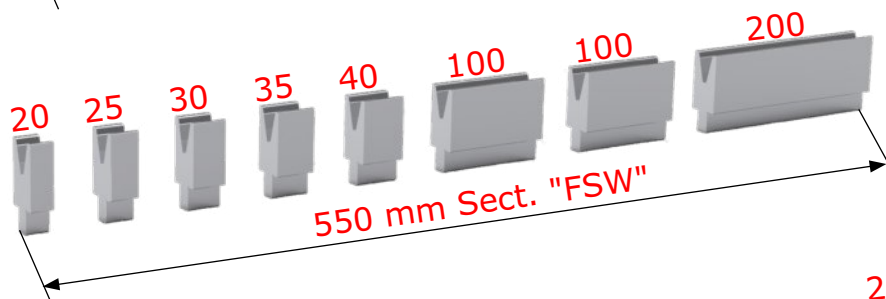
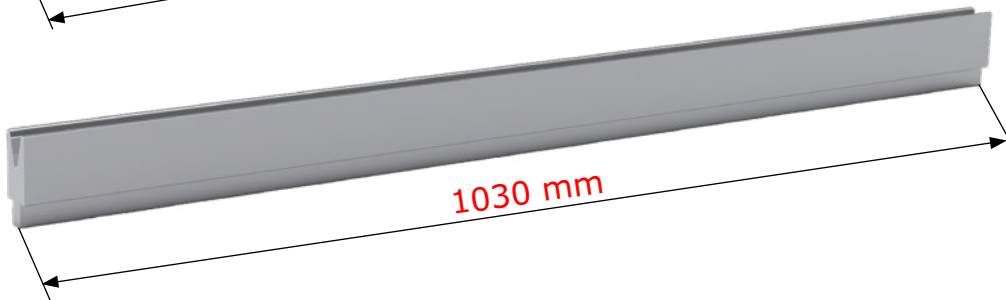
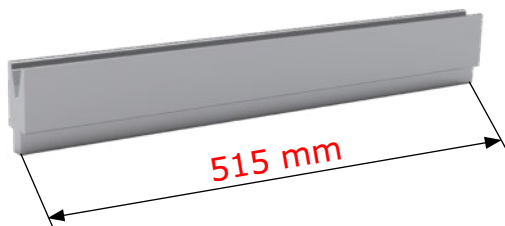
10mm	15mm
20mm	30mm
50mm	100mm
200mm	300mm
	375mm

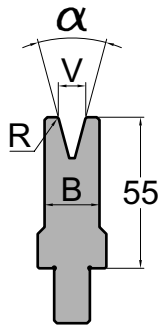
**Bajo pedido, fraccionado disponible en medidas:**

*On demand, segmentation is available in these measures:*

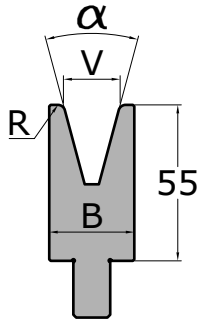
10mm	60mm
15mm	65mm
20mm	70mm
25mm	75mm
30mm	80mm
35mm	90mm
40mm	95mm
45mm	100mm
50mm	200mm
55mm	275mm
	300mm

## LONGITUD ESTÁNDAR STANDARD LENGTHS

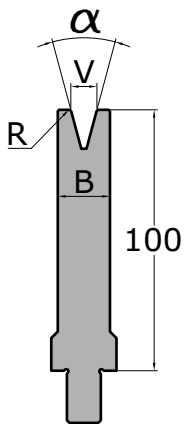




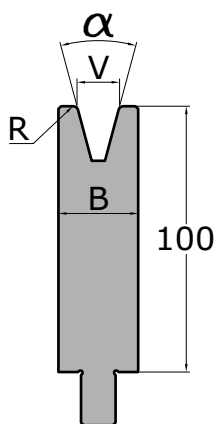
Code	$\alpha$	V	R	H	B	Kn/m	MT
TCM6BE	30°	6	0.75	55.0	20.0	800	■
TCM8BE	30°	8	1.00	55.0	20.0	1000	■
TCM10BE	30°	10	1.00	55.0	20.0	700	■



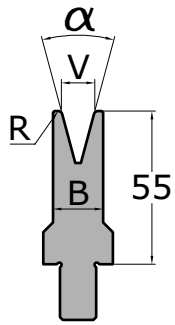
Code	$\alpha$	V	R	H	B	Kn/m	MT
TCM12BE	30°	12	1.50	55.0	25.0	850	■
TCM16BE	30°	16	2.00	55.0	30.0	1000	■
TCM20BE	30°	20	2.50	55.0	30.0	600	■
TCM24BE	30°	24	3.00	55.0	40.0	1100	■
TCM32BE	30°	32	4.00	55.0	48.0	1100	■



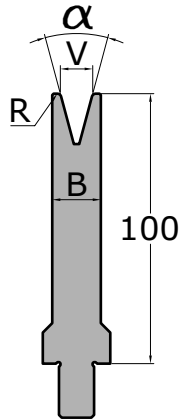
Code	$\alpha$	V	R	H	B	Kn/m	MT
TCM630H100BE	30°	6	0.75	100	20.0	800	■
TCM830H100BE	30°	8	1.00	100	20.0	1000	■
TCM1030H100BE	30°	10	1.00	100	20.0	700	■



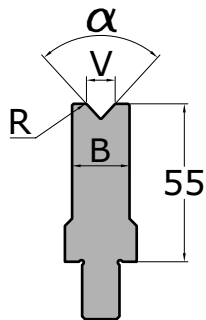
Code	$\alpha$	V	R	H	B	Kn/m	MT
TCM1230H100BE	30°	12	1.50	100	25.0	850	■
TCM1630H100BE	30°	16	2.00	100	30.0	1000	■
TCM2030H100BE	30°	20	2.50	100	30.0	600	■
TCM2430H100BE	30°	24	3.00	100	40.0	1100	■
TCM3230H100BE	30°	32	4.00	100	48.0	1100	■



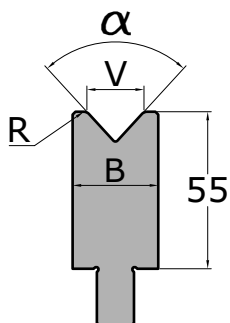
Code	$\alpha$	V	R	H	B	Kn/m	MT
TCM6SBE	30°	6	0.75	55.0	12.0	400	■
TCM8SBE	30°	8	1.00	55.0	14.0	400	■
TCM10SBE	30°	10	1.00	55.0	16.0	350	■
TCM12SBE	30°	12	1.50	55.0	18.0	350	■



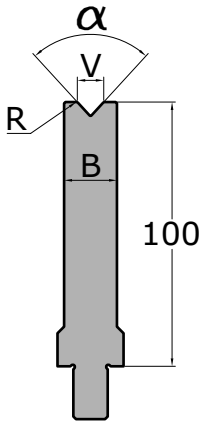
Code	$\alpha$	V	R	H	B	Kn/m	MT
TCM6S30H100BE	30°	6	0.75	100	12.0	400	■
TCM8S30H100BE	30°	8	1.00	100	14.0	400	■
TCM10S30H100BE	30°	10	1.00	100	16.0	400	■
TCM12S30H100BE	30°	12	1.50	100	18.0	350	■



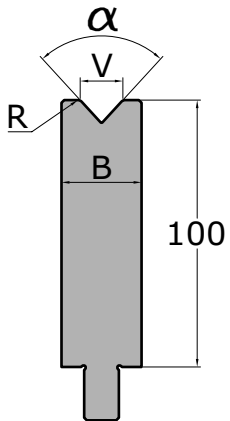
Code	$\alpha$	V	R	H	B	Kn/m	MT
TCM685BE	85°	6	0.75	55.0	20.0	800	■
TCM885BE	85°	8	0.75	55.0	20.0	850	■
TCM1085BE	85°	10	1.00	55.0	20.0	800	■



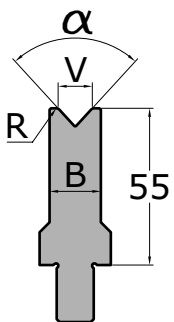
Code	$\alpha$	V	R	H	B	Kn/m	MT
TCM1285BE	85°	12	1.50	55.0	25.0	900	■
TCM1685BE	85°	16	2.00	55.0	30.0	1200	■
TCM2085BE	85°	20	2.50	55.0	30.0	1400	■
TCM2485BE	85°	24	3.00	55.0	40.0	1700	■



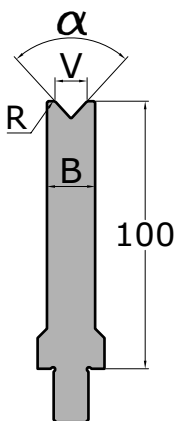
Code	$\alpha$	V	R	H	B	Kn/m	MT
TCM685H100BE	85°	6	0.75	100	20.0	800	■
TCM885H100BE	85°	8	0.75	100	20.0	850	■
TCM1085H100BE	85°	10	1.00	100	20.0	800	■



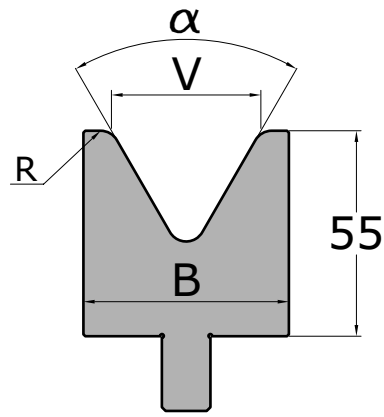
Code	$\alpha$	V	R	H	B	Kn/m	MT
TCM1285H100BE	85°	12	1.50	100	25.0	900	■
TCM1685H100BE	85°	16	2.00	100	30.0	1200	■
TCM2085H100BE	85°	20	2.50	100	30.0	1400	■
TCM2485H100BE	85°	24	3.00	100	40.0	1700	■
TCM3285H100BE	85°	32	4.00	100	48.0	2400	■
TCM4085H100BE	85°	40	5.00	100	55.0	2400	■
TCM5085H100BE	85°	50	6.00	100	70.0	3000	■
TCM6085H100BE	85°	60	7.00	100	80.0	2400	■



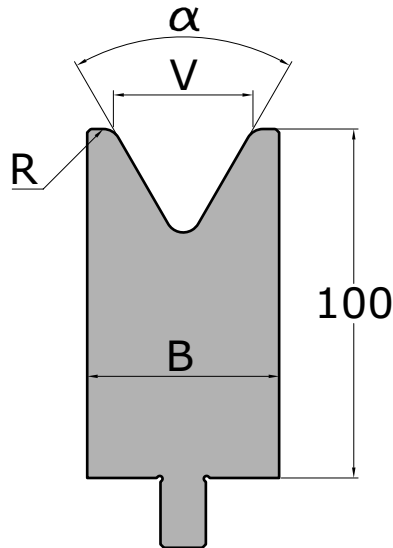
Code	$\alpha$	V	R	H	B	Kn/m	MT
TCM6S85BE	85°	6	0.75	55.0	12.0	800	■
TCM8S85BE	85°	8	0.75	55.0	14.0	800	■
TCM10S85BE	85°	10	1.00	55.0	16.0	700	■
TCM12S85BE	85°	12	1.50	55.0	18.0	900	■



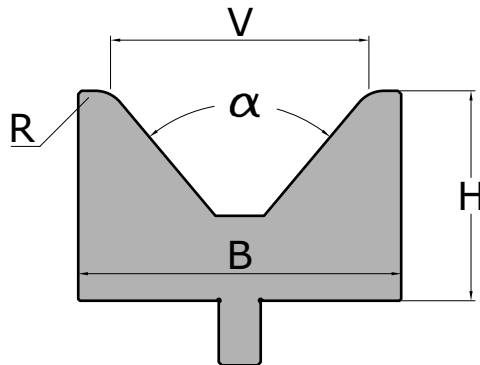
Code	$\alpha$	V	R	H	B	Kn/m	MT
TCM6S85H100BE	85°	6	0.75	100	12.0	800	■
TCM8S85H100BE	85°	8	0.75	100	14.0	800	■
TCM10S85H100BE	85°	10	1.00	100	16.0	700	■
TCM12S85H100BE	85°	12	1.50	100	18.0	900	■
TCM16S85H100BE	85°	16	2.00	100	24.0	1000	■
TCM20S85H100BE	85°	20	2.50	100	26.0	1100	■



Code	$\alpha$	V	R	H	B	Kn/m	MT
TCM4060BE	60°	40	5.00	55.0	55.0	1800	■
TCM5060BE	60°	50	5.00	55.0	70.0	1800	■
TCM6060BE	60°	60	7.00	55.0	80.0	1800	■



Code	$\alpha$	V	R	H	B	Kn/m	MT
TCM4060H100BE	60°	40	5.00	100	55.0	2000	■
TCM5060H100BE	60°	50	5.00	100	70.0	2000	■
TCM6060H100BE	60°	60	6.00	100	80.0	1600	■



Code	$\alpha$	V	R	H	B	Kn/m	MT
TCM8080H65BE	80°	80	10.0	65.0	100.0	1600	■
TCM10080H85BE	80°	100	12.0	85.0	125.0	2000	■
TCM12080H105BE	80°	120	15.0	105.0	160.0	2400	■



# PLEGADO Y MACHACADO / HEMMING TOOLS

Code	$\alpha$	R	B	H
TCP9006RFABE	30°	1.00	6	175.0
TCP9008RFABE	30°	1.00	8	175.0
TCP9010RFABE	30°	1.00	10	175.0
TCP9012RFABE	30°	1.00	12	175.0

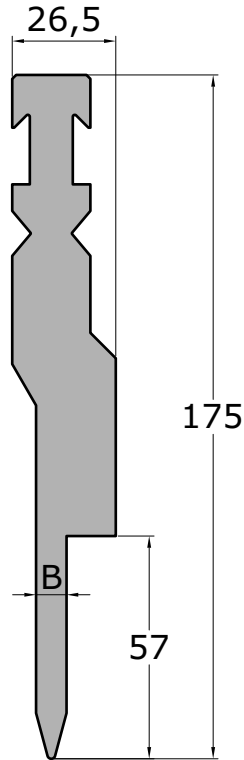
Code	R	V	H
TCM9006BE	0.80	6	85.0
TCM9008BE	0.80	8	85.0
TCM9010BE	1.00	10	85.0
TCM9012BE	1.20	12	85.0

**Kn/m**  
1000

**MT**

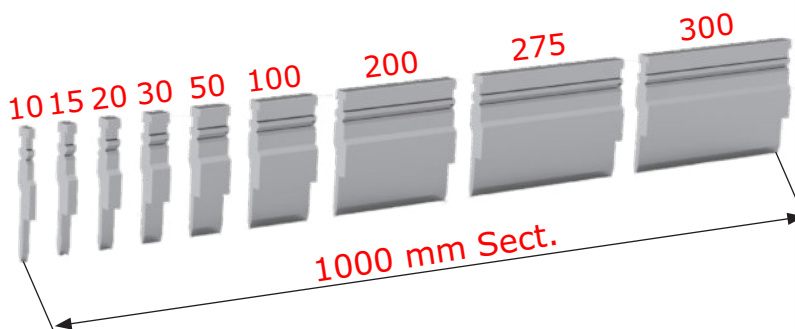
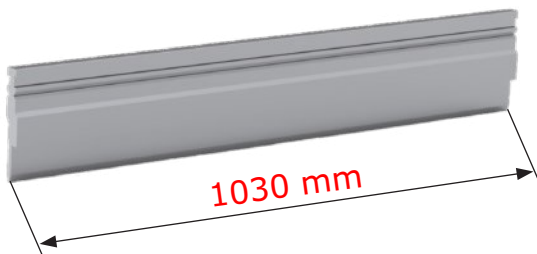
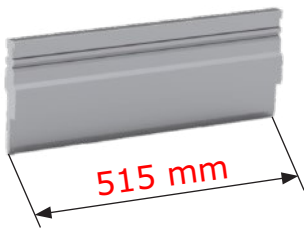
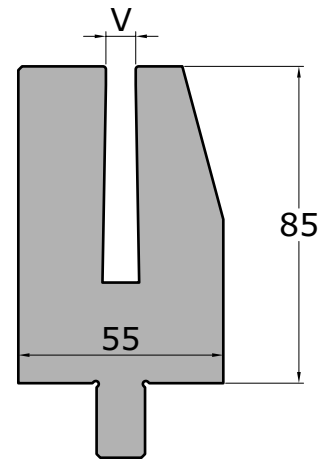


Disponible en  
anclaje tipo «R»  
Available also with  
«R» clamp



**Kn/m**  
250

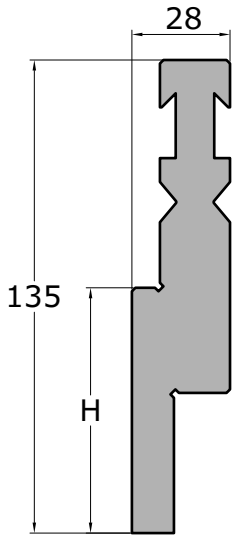
**MT**



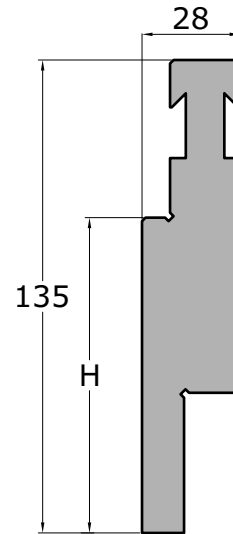
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# PORTACUCHILLAS / BLADE HOLDER

Code	MT	Kn/m	H
TCPTS70BE	■	1000	70.0



Code	MT	Kn/m	H
TCPTS95BE	■	1000	95.0



## PARA / FOR TCPTS70BE - TCPTS95TC

Kn/m	Code	$\alpha$	R	H	MT
1000	TC776TR	86°	1.00	100.0	■
	TC774TR	84°	1.00	100.0	■
	TC769TR	28°	6.00	100.0	■
	TC768TR	28°	5.00	100.0	■
	TC767TR	28°	4.00	100.0	■
	TC766TR	28°	3.00	100.0	■
	TC765TR	28°	2.00	100.0	■
	TC763TR	28°	1.00	100.0	■
	TC761TR	28°	0.50	100.0	■

100 mm



200 mm



300 mm



500 mm



LONGITUD ESTÁNDAR  
STANDARD LENGTH

100mm

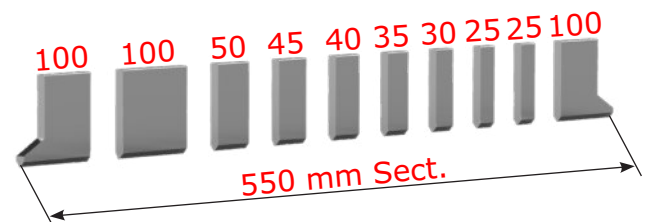
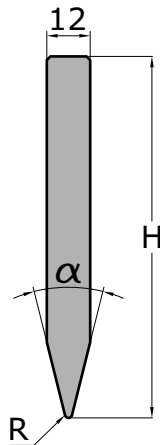
200mm

300mm

500mm

550mm Sect.

Bigornia incluida  
Horns included



# SOPORTES PARA RADIOS / RADIUS HOLDERS

**Code**

**TCP10RBE**

**Kn/m MT**

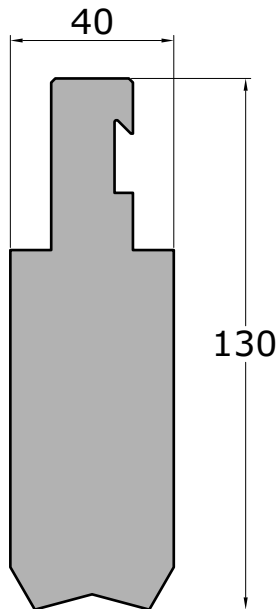
**1600** ■

Longitudes disponibles:

Available legths:

515mm

1030mm



**H**

**130.0**



**Code**

**TCP12RBE**

**Kn/m MT**

**1600** ■

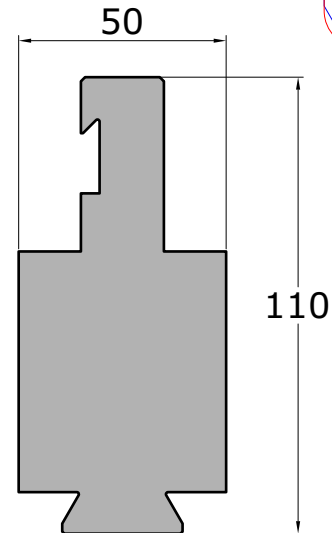
Longitudes disponibles:

Available legths:

515mm

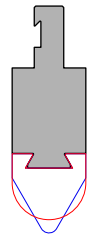
550mm sect.

1000mm sect.



**H**

**110.0**



## PARA / FOR TCP10RBE

**Kn/m MT**

**1600** ■  
■ (H)

Longitudes disponibles:

Available legths:

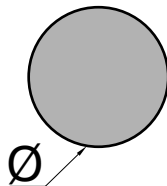
515mm

1030mm

**Code**

**Ø**

TCPBD28BE	28
TCPBD30BE	30
TCPBD35BE	35
TCPBD40BE	40
TCPBD45BE	45
TCPBD50BE	50
TCPBD55BE	55
TCPBD60BE	60
TCPBD65BE	65
TCPBD70BE	70
TCPBD75BE	75



## PARA / FOR TCP12RBE

**Kn/m MT**

**4000** ■  
■ (H)

Longitudes disponibles:

Available legths:

515mm

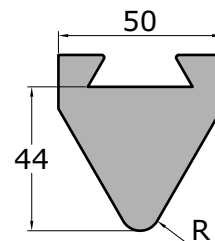
550mm sect.

1000mm sect.

**Code**

**R**

TCP12R5BE	5
TCP12R6BE	6
TCP12R8BE	8
TCP12R10BE	10
TCP12R12BE	12
TCP12R15BE	15
TCP12R20BE	20



**Kn/m MT**

**4000** ■  
■ (H)

Longitudes disponibles:

Available legths:

515mm

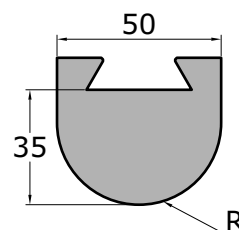
550mm sect.

1000mm sect.

**Code**

**R**

TCP12R25BE	25
TCP12R30BE	30
TCP12R35BE	35



\*El código para la versión 42CrMo4 añadir una H (ej.: TCPBD28BEH)

\*The code for the version 42CrMo4 contains an H (ex: TCPBD28BEH)

# SOPORTES PARA RADIOS / RADIUS HOLDERS

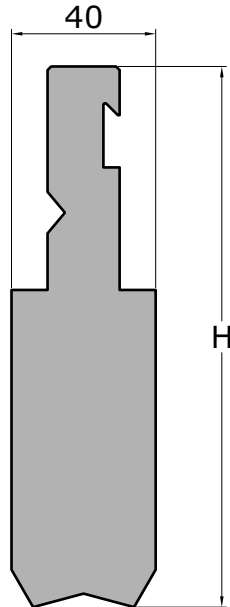
**Code**

**TCP10RFABE**  
**TCP10RFA250BE**

**Kn/m** **MT**  
**1600** ■

Longitudes disponibles:

Available lengths:  
515mm  
1030mm



**H**

**130.0**  
**250.0**



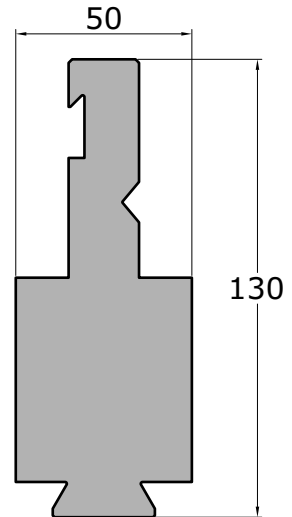
**Code**

**TCP12RFABE**

**Kn/m** **MT**  
**1600** ■

Longitudes disponibles:

Available lengths:  
515mm  
550mm sect.  
1000mm sect.



**H**

**130.0**



## PARA / FOR TCP10RBE

**Kn/m** **MT**  
**1600** ■  
■ (H)

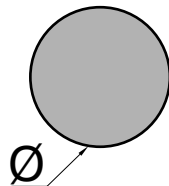
Longitudes disponibles:

Available lengths:  
515mm  
1030mm

**Code**

**Ø**

TCPBD28BE	28
TCPBD30BE	30
TCPBD35BE	35
TCPBD40BE	40
TCPBD45BE	45
TCPBD50BE	50
TCPBD55BE	55
TCPBD60BE	60
TCPBD65BE	65
TCPBD70BE	70
TCPBD75BE	75



## PARA / FOR TCP12RBE

**Kn/m** **MT**  
**4000** ■  
■ (H)

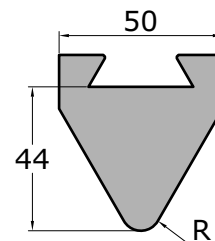
Longitudes disponibles:

Available lengths:  
515mm  
550mm sect.  
1000mm sect.

**Code**

**R**

TCP12R5BE	5
TCP12R6BE	6
TCP12R8BE	8
TCP12R10BE	10
TCP12R12BE	12
TCP12R15BE	15
TCP12R20BE	20



**Kn/m** **MT**  
**4000** ■  
■ (H)

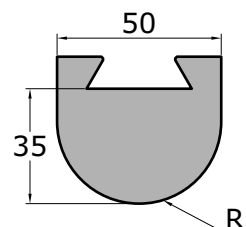
Longitudes disponibles:

Available lengths:  
515mm  
550mm sect.  
1000mm sect.

**Code**

**R**

TCP12R25BE	25
TCP12R30BE	30
TCP12R35BE	35



\*El código para la versión 42CrMo4  
añadir una H (ej.: TCPBD28BEH)  
\*The code for the version 42CrMo4  
contains an H (ex: TCPBD28BEH)

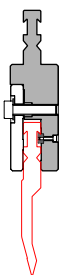
# PROLONGADORES Y ADAPTADORES / EXTENSIONS & ADAPTERS

**Kn/m** **MT**  
2000 

Code	H1	H2
TCP30RFABE	125	184
TCP30RFA250	250	309

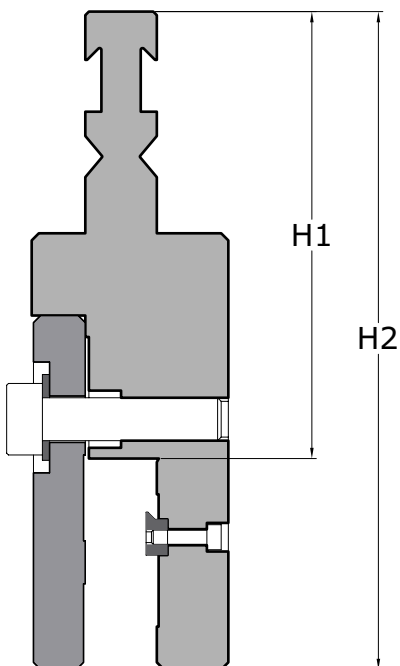
Disponible en anclaje tipo «R»  
Available also with «R» clamp

Code	H1	H2
TCP30RBE	100	139



Longitudes disponibles:  
Available lengths:  
150mm

**PROLONGADOR**  
EXTENSION

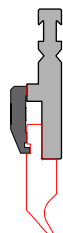


**Kn/m** **MT**  
2000 

Code	H
TCP25RFABE	130
TCP25RFA250BE	250

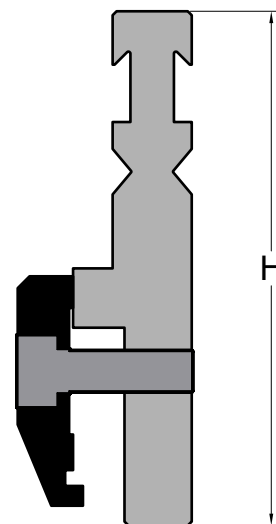
Disponible en anclaje tipo «R»  
Available also with «R» clamp

Code	H
TCP25RBE	105



Longitudes disponibles:  
Available lengths:  
150mm

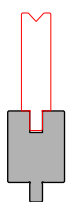
**ADAPTADOR**  
ADAPTER



BYSTRONIC → AMADA

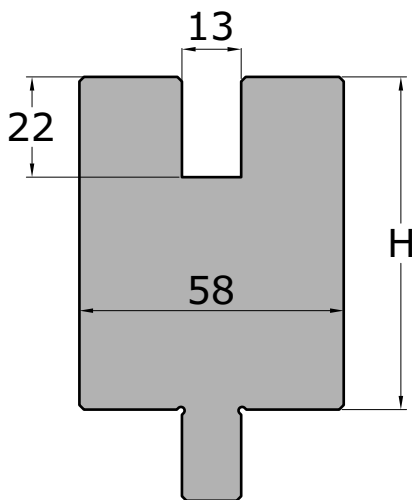
**Kn/m** **MT**  
2000 

Code	H
TCS245BE	45
TCS273BE	73
TCS2100BE	100



Longitudes disponibles:  
Available lengths:  
515mm  
550mm sect. FSW  
1000mm sect. FSC  
1030mm

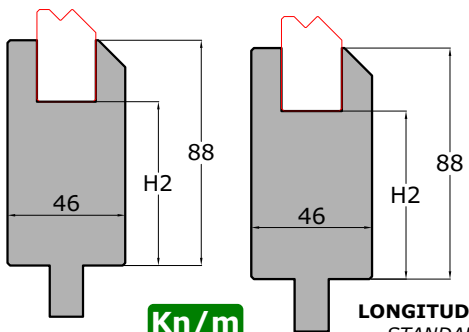
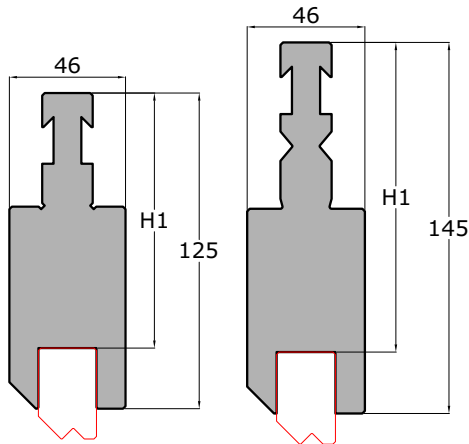
**PROLONGADOR**  
**MATRIZ**  
DIE  
EXTENSION



BYSTRONIC®

# PLIEGA Z / Z FOLDERS

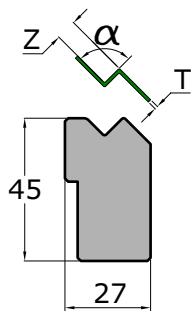
Code	H1	H2	MT
TCZ101RBE	101.0	64.0	■
TCZ121RFABE	121.0	64.0	■



**Kn/m**  
1000

LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

Code	$\alpha$	Z	R	T	MT
TC4585AM	90°	8.5	0.8	2.0	■
TC4590AM	90°	9.0	0.8	2.0	■
TC4610AM	90°	10.0	0.8	2.0	■
TC4611AM	90°	11.0	1.0	2.0	■
TC4612AM	90°	12.0	1.0	2.0	■

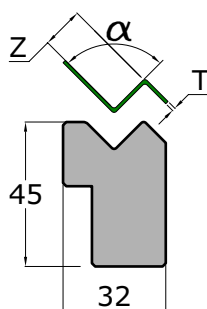


LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000

T=ESPESSOR MÁX.  
T=MAX. THICKNESS

Code	$\alpha$	Z	R	T	MT
TC4613AM	90°	13.0	1.0	2.5	■
TC4614AM	90°	14.0	1.0	2.5	■
TC4615AM	90°	15.0	1.0	3.0	■



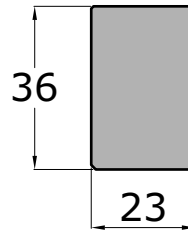
LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000

T=ESPESSOR MÁX.  
T=MAX. THICKNESS

## INSERTOS INSERTS

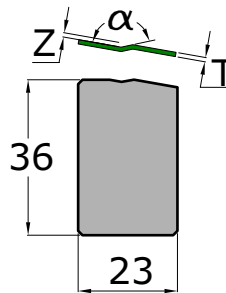
Code	$\alpha$	Z	R	T	MT
TC4500AM					■



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000

Code	$\alpha$	Z	R	T	MT
TC4510AM	160°	1.0	0.5	1.0	■
TC4515AM	160°	1.5	0.5	1.2	■
TC4520AM	150°	2.0	0.5	1.5	■
TC4525AM	140°	2.5	0.5	1.5	■

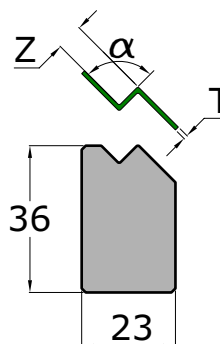


LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000

T=ESPESSOR MÁX.  
T=MAX. THICKNESS

Code	$\alpha$	Z	R	T	MT
TC4511AM	90°	1.0	0.3	0.5	■
TC4516AM	90°	1.5	0.3	0.5	■
TC4521AM	90°	2.0	0.5	0.8	■
TC4526AM	90°	2.5	0.5	1.0	■
TC4530AM	90°	3.0	0.5	1.0	■
TC4535AM	90°	3.5	0.5	1.2	■
TC4540AM	90°	4.0	0.5	1.2	■
TC4545AM	90°	4.5	0.5	1.5	■
TC4550AM	90°	5.0	0.5	1.5	■
TC4555AM	90°	5.5	0.5	1.5	■
TC4560AM	90°	6.0	0.5	1.5	■
TC4565AM	90°	6.5	0.5	1.5	■
TC4570AM	90°	7.0	0.5	1.5	■
TC4575AM	90°	7.5	0.5	1.6	■
TC4580AM	90°	8.0	0.5	1.6	■



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000

T=ESPESSOR MÁX.  
T=MAX. THICKNESS

# ARMARIO DE ÚTILES / TOOLING CABINETS

## Leyenda / Description

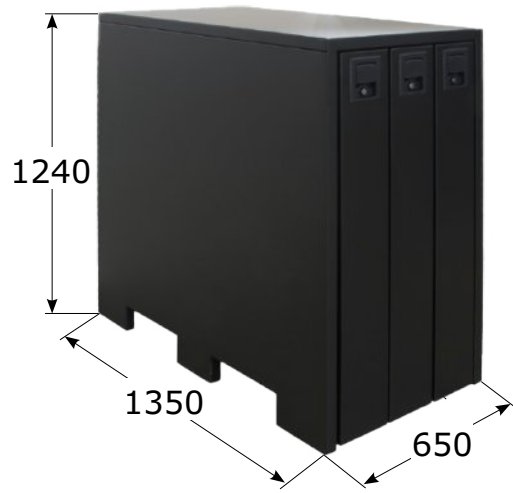
- L** Máx. longitud del útil en mm.
- L** Máx. length tool in mm.
- N** N° máx. de útiles
- N** N° max. tools
- W** Peso en Kg.
- W** Weigth in Kg.



OTROS COLORES BAJO PEDIDO  
OTHER COLORS ON DEMAND

Code	L	N	W
TC4652TR	1100	55	450

Code	L	N	W
TC4653TR	1100	30	300

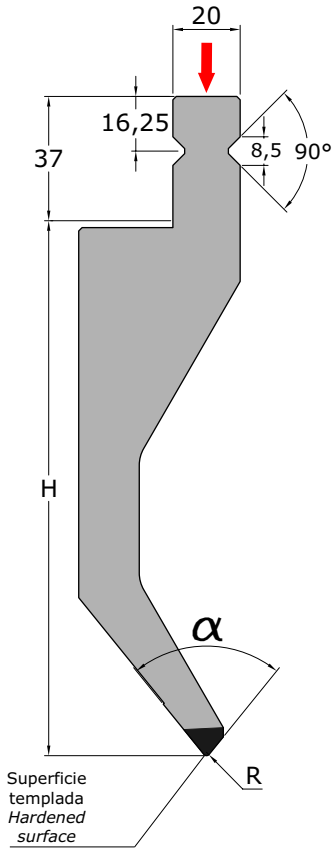


**Estos modelos de armarios de útiles son compatibles con los tipos**

*These tooling cabinets are compatible with type*

**Trumpf / LVD / Wila**



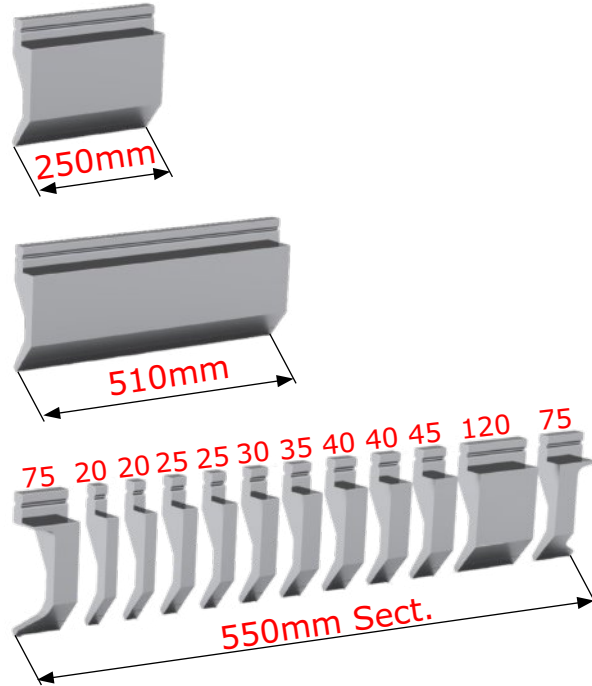


**LEYENDA / DESCRIPTION**

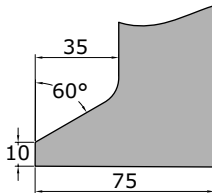
**H** = ALTURA PUNZÓN / PUNCH HEIGHT

**$\alpha$**  = ÁNGULO PUNZÓN / PUNCH DEGREE

**R** = RADIO PUNZÓN / PUNCH RADIUS



**Bigornia estándar**  
Horn Type:



La carga máxima de las bigornias corresponde al 50% de la carga máxima indicada en el punzón.

The horns' max load is 50% of the max load of the punch.

**SISTEMAS DE ANCLAJE**  
CLAMPING TYPE

**Peso del útil >12,5 Kg**  
Tool weight >12,5 Kg



La carga y descarga con el anclaje mediante PINS\* se realiza por el lateral. Clamping with PINS\* for side load and unload of the tool .

**Peso del útil ≤12,5 Kg**  
Tool weight ≤12,5 Kg



La carga y descarga con el anclaje SAFETY CLICK\* se realiza frontalmente. Clamping with SAFETY CLICK\* front load and unload of the tool .

\*Partes de recambio disponibles  
\*Spare parts available

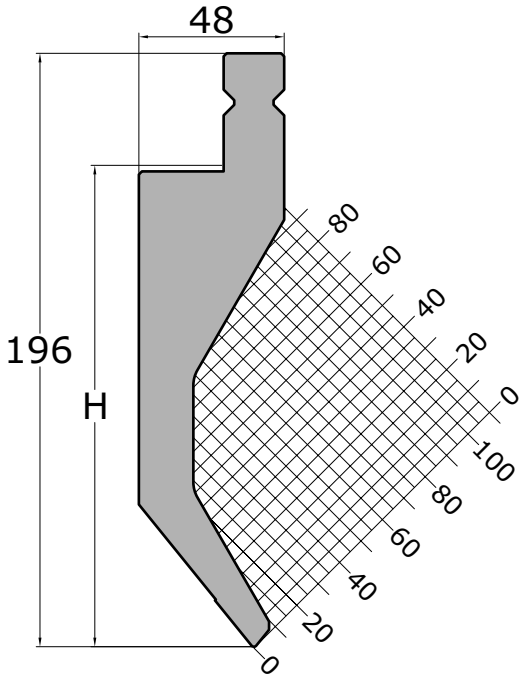


# PUNZONES / PUNCHES

**Code**  
TCTP00001LVD

**$\alpha$**  78° **R** 1.00 **H** 159.0

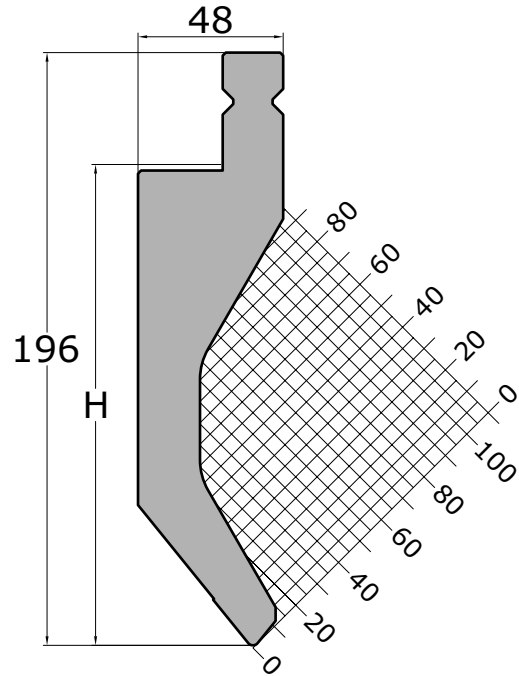
**Kn/m** 400 **MT** ■



**Code**  
TCTP00003LVD

**$\alpha$**  78° **R** 2.00 **H** 159.0

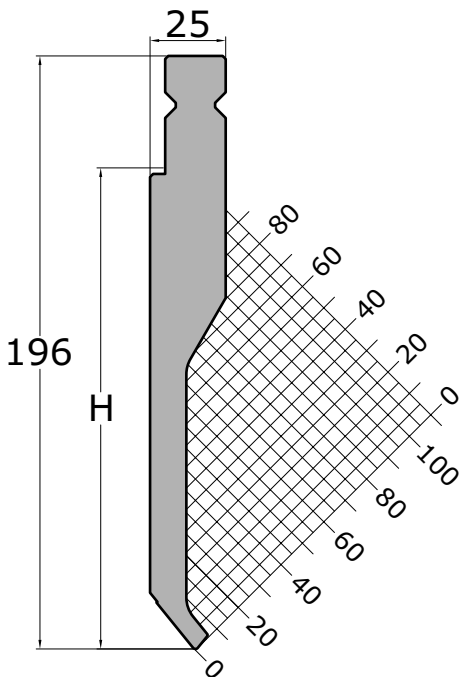
**Kn/m** 750 **MT** ■



**Code**  
TCTP00005LVD

**$\alpha$**  78° **R** 1.00 **H** 159.0

**Kn/m** 400 **MT** ■

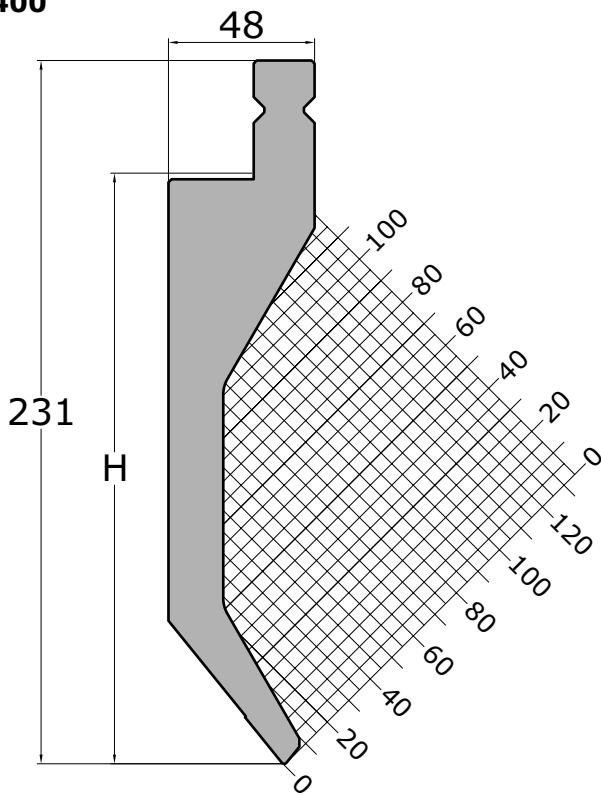


LVD®

# PUNZONES / PUNCHES

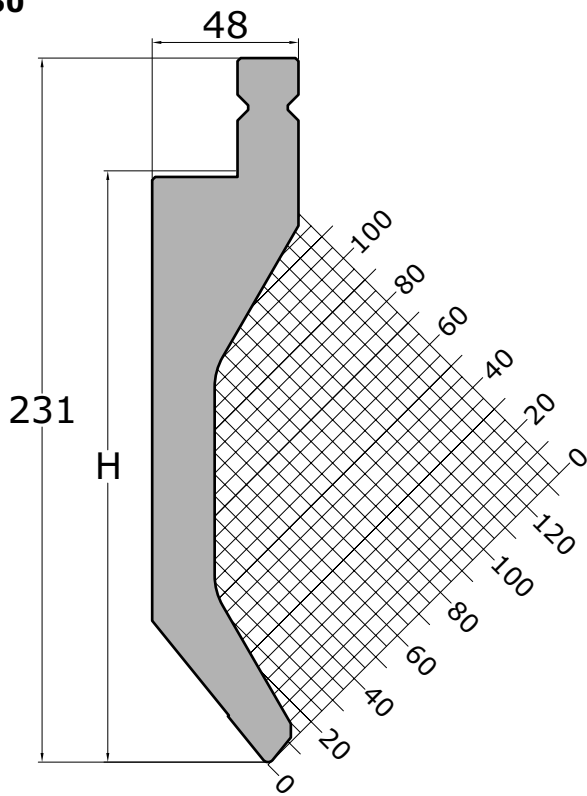
**Code**  **$\alpha$**  **R** **H** **MT**  
**TCTP00002LVD** **78°** **1.00** **194.0** **■**

**Kn/m**  
**400**



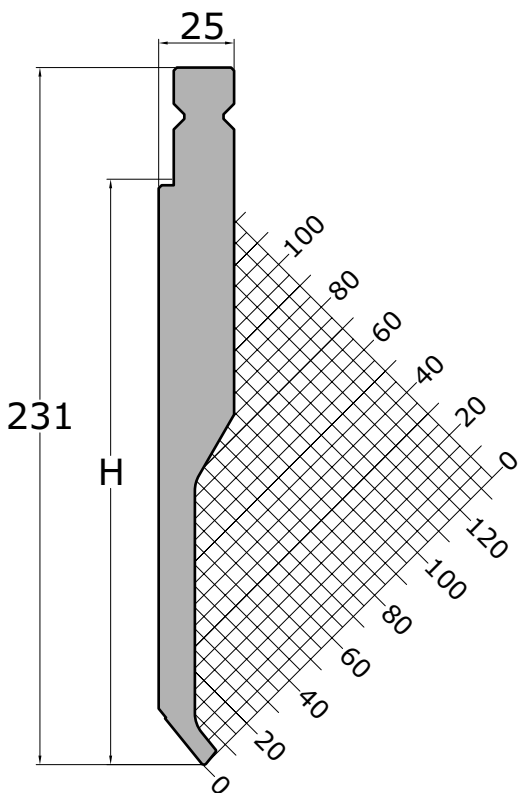
**Code**  **$\alpha$**  **R** **H** **MT**  
**TCTP00004LVD** **78°** **2.00** **194.0** **■**

**Kn/m**  
**750**



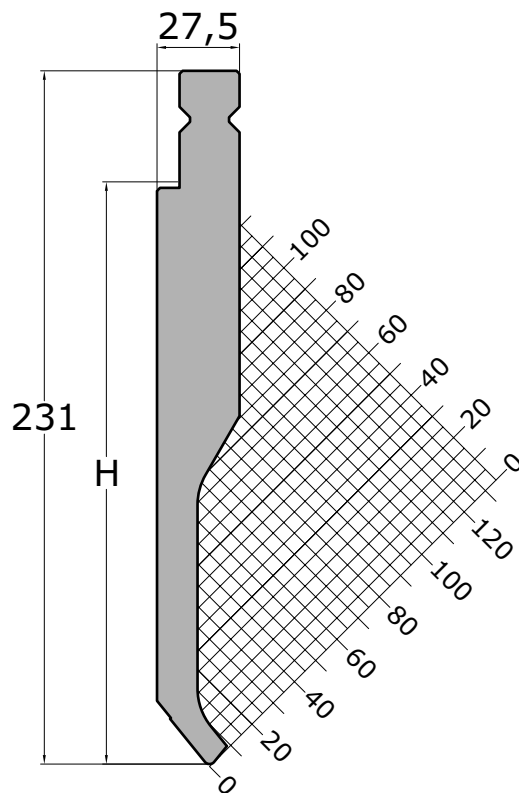
**Code**  **$\alpha$**  **R** **H** **MT**  
**TCTP00006LVD** **78°** **1.00** **194.0** **■**

**Kn/m**  
**400**



**Code**  **$\alpha$**  **R** **H** **MT**  
**TCTP00008LVD** **78°** **2.00** **194.0** **■**

**Kn/m**  
**680**

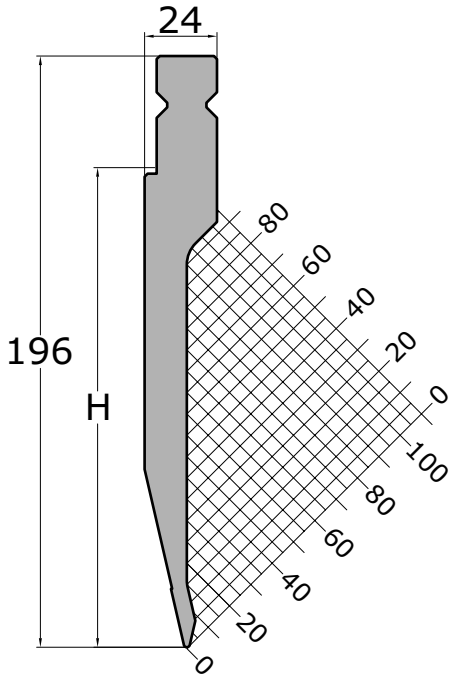


# PUNZONES / PUNCHES

**Code**  
TCTP00009LVD

$\alpha$  26°    R 1.00    H 159.0

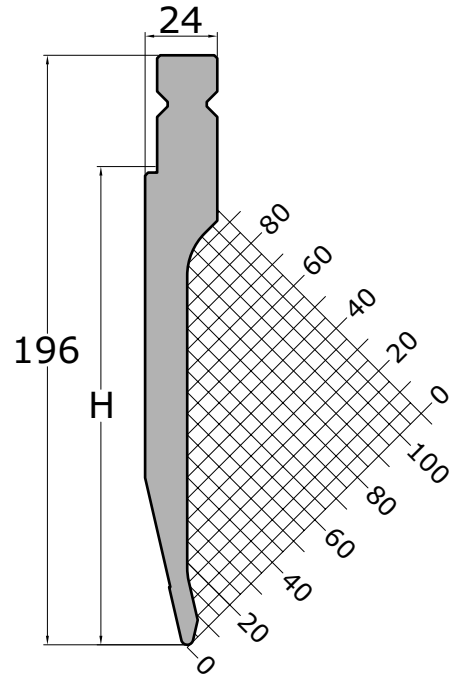
**Kn/m** 400    **MT** ■



**Code**  
TCTP00011LVD

$\alpha$  26°    R 2.00    H 159.0

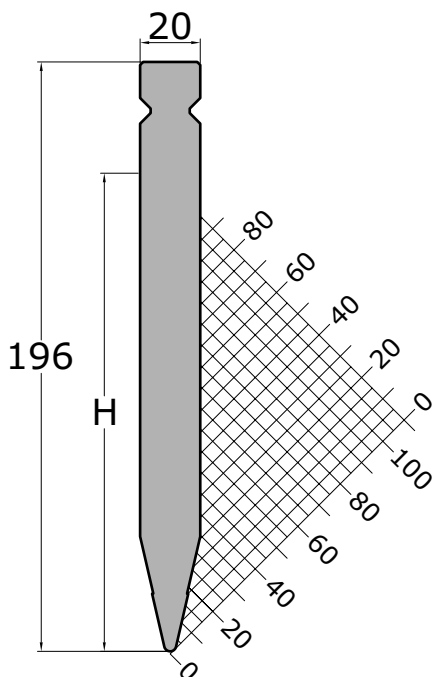
**Kn/m** 600    **MT** ■



**Code**  
TCTP00013LVD

$\alpha$  26°    R 2.00    H 159.0

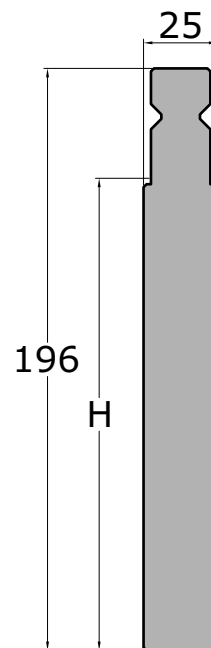
**Kn/m** 800    **MT** ■



**Code**  
TCTP00015LVD

$\alpha$  -    R -    H 159.0

**Kn/m** 1000    **MT** ■

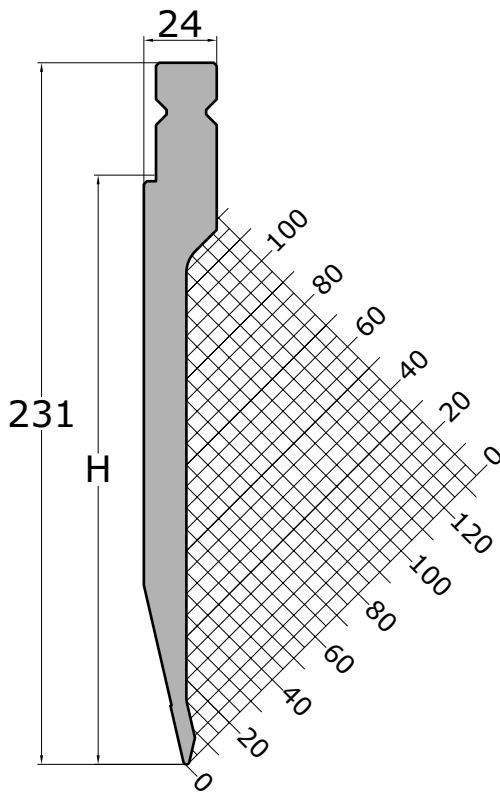


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# PUNZONES / PUNCHES

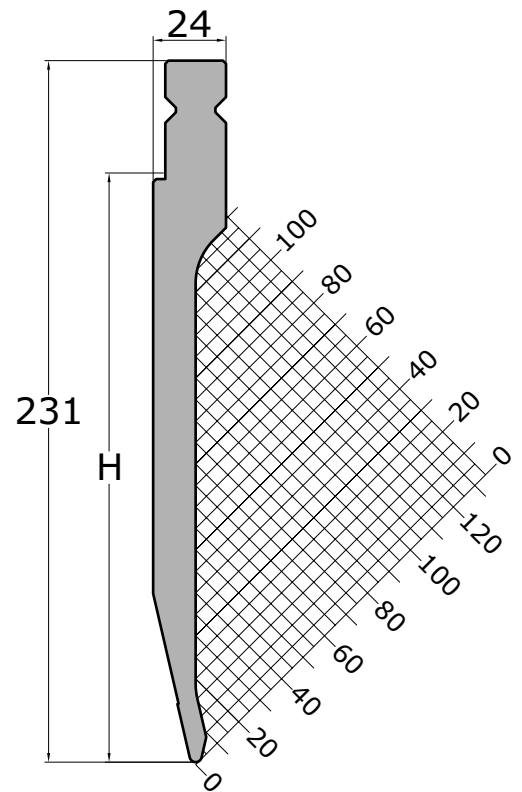
**Code**  **$\alpha$**  **R** **H** **MT**  
**TCTP00010LVD** **26°** **1.00** **194.0** **■**

**Kn/m**  
**400**



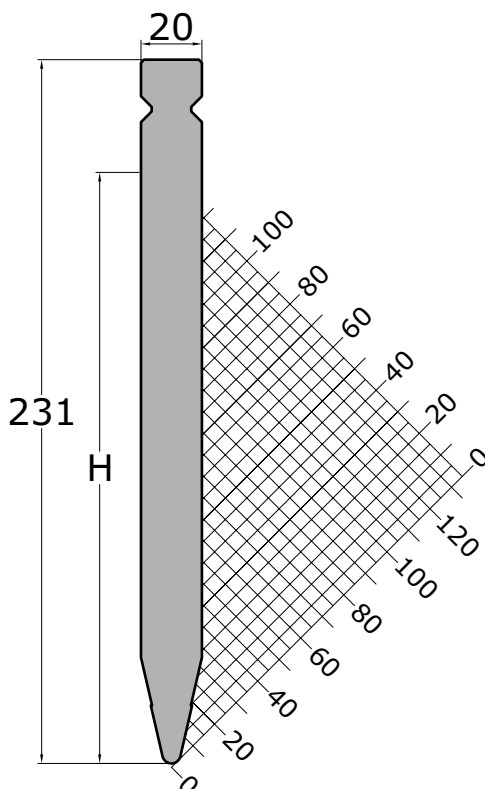
**Code**  **$\alpha$**  **R** **H** **MT**  
**TCTP00052LVD** **26°** **2.00** **194.0** **■**

**Kn/m**  
**600**



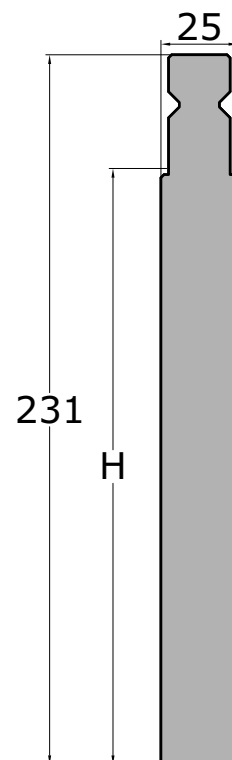
**Code**  **$\alpha$**  **R** **H** **MT**  
**TCTP00014LVD** **26°** **3.00** **194.0** **■**

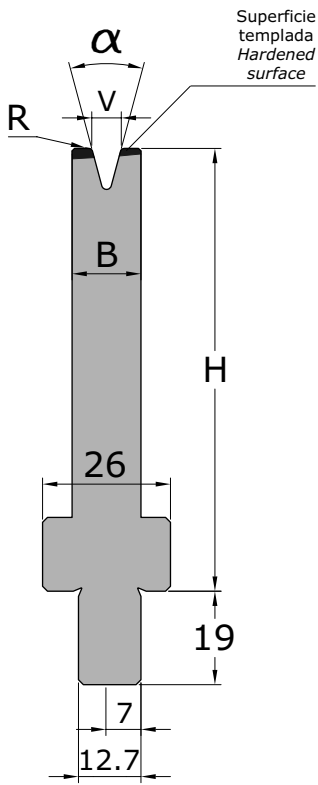
**Kn/m**  
**1200**



**Code**  **$\alpha$**  **R** **H** **MT**  
**TCTP00016LVD** **-** **-** **194.0** **■**

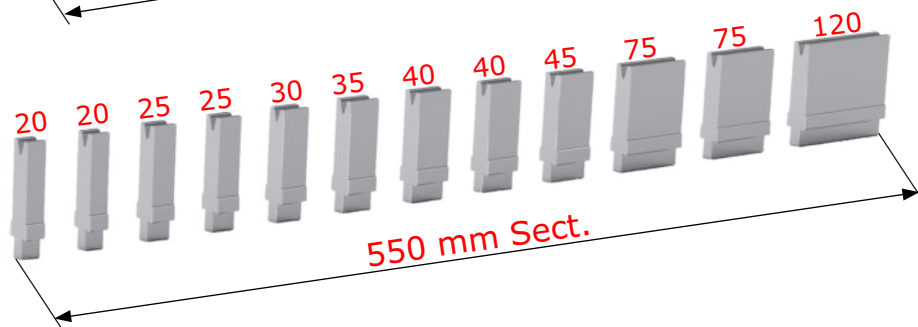
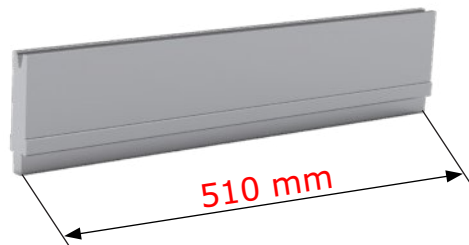
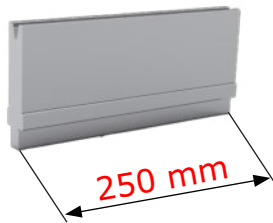
**Kn/m**  
**2000**

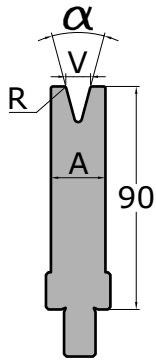




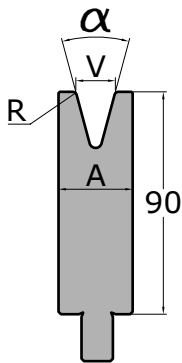
**Amarre estándar**  
Standard clamp

**LONGITUD ESTÁNDAR**  
STANDARD LENGTHS

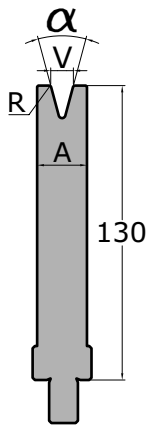




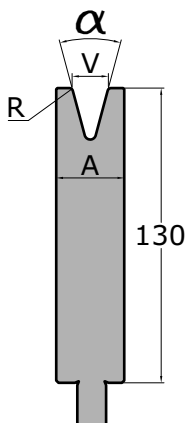
Code	$\alpha$	V	R	H	A	Kn/m	MT
TCTP00077LVD	30°	6	0.80	90.0	14.0	250	■
TCTP00081LVD	30°	8	0.80	90.0	16.0	260	■
TCTP00085LVD	30°	10	1.0	90.0	22.0	360	■



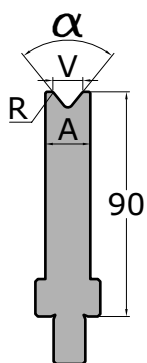
Code	$\alpha$	V	R	H	A	Kn/m	MT
TCTP00089LVD	30°	12	1.20	90	26.0	460	■
TCTP00097LVD	30°	16	1.60	90	30.0	510	■
TCTP00105LVD	30°	20	2.00	90	40.0	680	■
TCTP00109LVD	30°	24	2.40	90	46.0	930	■
TCTP00113LVD	30°	30	3.00	90	56.0	1100	■
TCTP00125LVD	30°	40	4.00	90	75.0	1400	■
TCTP00131LVD	30°	50	4.00	90	90.0	1350	■



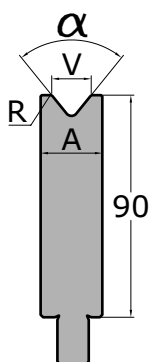
Code	$\alpha$	V	R	H	A	Kn/m	MT
TCTP00078LVD	30°	6	0.80	130	14.0	250	■
TCTP00082LVD	30°	8	0.80	130	16.0	160	■
TCTP00086LVD	30°	10	1.00	130	22.0	360	■



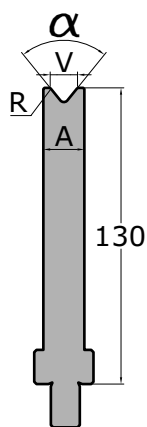
Code	$\alpha$	V	R	H	A	Kn/m	MT
TCTP00090LVD	30°	12	1.20	130	26.0	460	■
TCTP00098LVD	30°	16	1.60	130	30.0	510	■
TCTP00106LVD	30°	20	2.00	130	40.0	680	■
TCTP00110LVD	30°	24	2.40	130	46.0	930	■
TCTP00114LVD	30°	30	3.00	130	56.0	1100	■
TCTP00126LVD	30°	40	4.00	130	75.0	1400	■
TCTP00132LVD	30°	50	4.00	130	90.0	1700	■
TCTP00137LVD	30°	60	5.00	130	95.0	1550	■



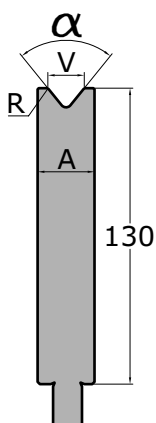
Code	$\alpha$	V	R	H	A	Kn/m	MT
TCTP00079LVD	78°	6	0.80	90.0	10.0	280	■
TCTP00083LVD	78°	8	0.80	90.0	12.0	320	■
TCTP00087LVD	78°	10	1.0	90.0	14.0	360	■
TCTP00091LVD	78°	12	1.2	90.0	18.0	500	■



Code	$\alpha$	V	R	H	A	Kn/m	MT
TCTP00099LVD	78°	16	1.60	90	25.0	700	■
TCTP00107LVD	78°	20	2.00	90	30.0	750	■
TCTP00111LVD	78°	24	2.40	90	32.0	910	■
TCTP00117LVD	78°	30	3.00	90	40.0	1150	■
TCTP00129LVD	78°	40	4.00	90	50.0	1350	■
TCTP00135LVD	78°	50	4.00	90	65.0	1800	■
TCTP00140LVD	78°	60	5.00	90	75.0	2000	■
TCTP00148LVD	78°	80	6.00	90	95.0	2300	■



Code	$\alpha$	V	R	H	A	Kn/m	MT
TCTP00080LVD	78°	6	0.80	130	10.0	280	■
TCTP00084LVD	78°	8	0.80	130	12.0	320	■
TCTP00088LVD	78°	10	1.00	130	14.0	360	■
TCTP00092LVD	78°	12	1.20	130	18.0	500	■



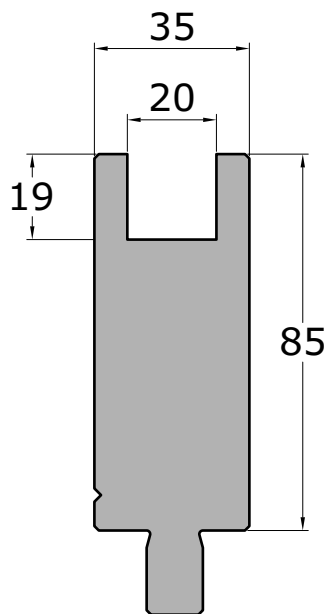
Code	$\alpha$	V	R	H	A	Kn/m	MT
TCTP00100LVD	78°	16	1.60	130	25.0	700	■
TCTP00108LVD	78°	20	2.00	130	30.0	750	■
TCTP00112LVD	78°	24	2.40	130	32.0	910	■
TCTP00118LVD	78°	30	3.00	130	40.0	1150	■
TCTP00130LVD	78°	40	4.00	130	50.0	1350	■
TCTP00136LVD	78°	50	4.00	130	65.0	1800	■
TCTP00141LVD	78°	60	5.00	130	75.0	2000	■
TCTP00149LVD	78°	80	6.00	130	95.0	2300	■
TCTP00156LVD	78°	100	6.00	130	125	3400	■
TCTP00158LVD	78°	120	8.00	130	140	2700	■



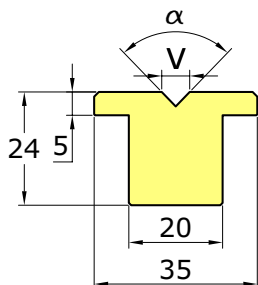
**LONGITUD ESTÁNDAR**  
STANDARD LENGTH **415mm / 835mm**

**Code**  
**TC2005LVD**

**MT**  

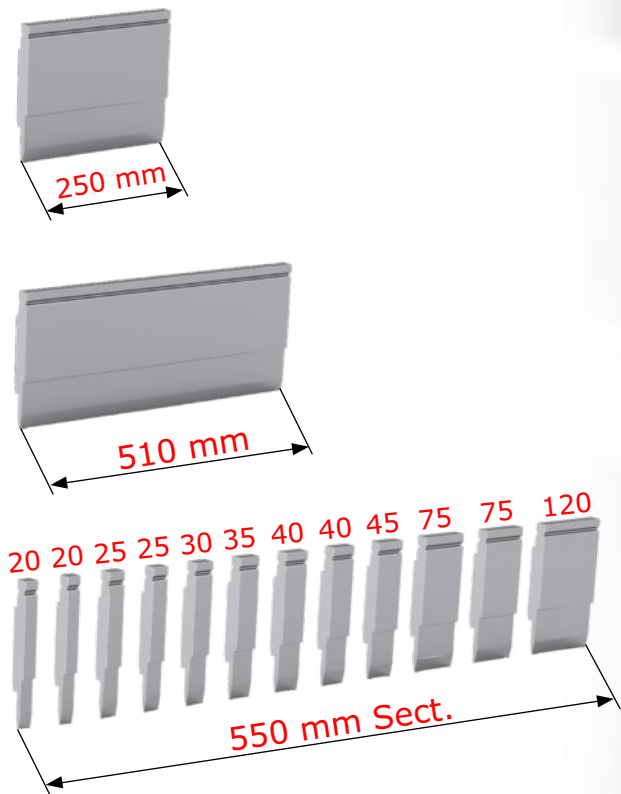



Kn/m	Code	$\alpha$	V
200	TC306AMM	30°	6
	TC308AMM	30°	8
	TC310AMM	30°	10
	TC406AMM	45°	6
	TC408AMM	45°	8
	TC410AMM	45°	10
	TC412AMM	45°	12
	TC606AMM	60°	6
	TC608AMM	60°	8
	TC610AMM	60°	10
	TC612AMM	60°	12
TC616AMM	60°	16	

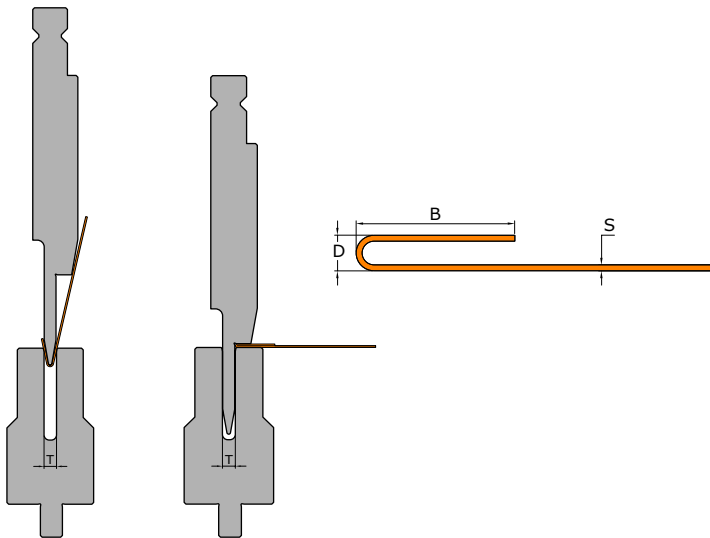




# PLEGADO Y MACHACADO / HEMMING TOOLS



LONGITUD ESTÁNDAR  
STANDARD LEGHT



$\sigma \approx 450 \text{ N/mm}^2$			$\sigma \approx 600 \text{ N/mm}^2$		
T <sub>[mm]</sub>	S <sub>[kN/m]</sub>	B <sup>min</sup> <sub>[mm]</sub>	T <sub>[mm]</sub>	S <sub>[kN/m]</sub>	B <sup>min</sup> <sub>[mm]</sub>
8	0.6	10.7	8	0.6	11.4
	0.8	10.2		0.8	10.5
	1.0	9.7		1.0	9.8
	1.2	9.2		-	-
10	1.0	14.0	10	1.0	14.4
	1.2	13.5		1.2	13.7
	1.5	13.0		-	-
12	1.2	15.5	12	1.2	16.0
	1.5	14.8		1.5	15.0
	2.0	14.0		-	-

$\sigma \approx 450 \text{ N/mm}^2$						
S <sub>[mm]</sub>	0.60	0.80	1.00	1.20	1.50	2.00
F <sub>[kN/m]</sub>	D <sub>[mm]</sub>					
100	1.8	2.7	2.7	-	-	-
200	1.3	2.2	2.2	3.2	4.6	6.4
300	-	1.7	1.7	2.8	4.1	5.8
400	-	-	-	2.5	3.5	5.3
500	-	-	-	-	3.2	4.8
600	-	-	-	-	3.0	4.4
700	-	-	-	-	-	4.2
800	-	-	-	-	-	4.0

$\sigma \approx 600 \text{ N/mm}^2$					
S <sub>[mm]</sub>	0.60	0.80	1.00	1.20	1.50
F <sub>[kN/m]</sub>	D <sub>[mm]</sub>				
200	2.2	-	-	-	-
300	1.6	2.2	3.2	4.5	-
400	1.2	1.9	2.8	4.1	5.5
500	-	1.6	2.4	3.6	4.7
600	-	-	2.1	3.2	4.3
700	-	-	-	2.9	3.9
800	-	-	-	2.6	3.6
900	-	-	-	-	3.4
1000	-	-	-	-	3.1

LVD®

# PLEGADO Y MACHACADO / HEMMING TOOLS

**Kn/m MT**  
400 ■

**α R**  
20° 1.00

**Kn/m MT**  
400 ■

**α R**  
20° 1.00

**Kn/m MT**  
400 ■

**α R**  
20° 1.00

**Code**

**H1 H2**

**Code**

**H1 H2**

**Code**

**H1 H2**

TCTP00017LVD  
TCTP00020LVD

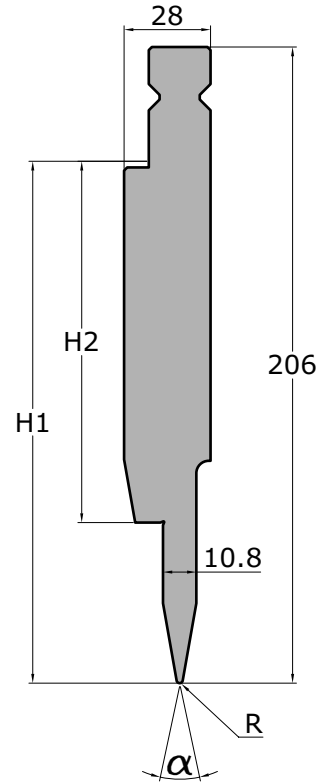
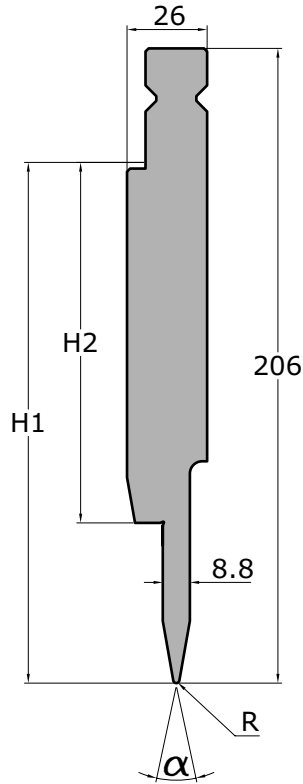
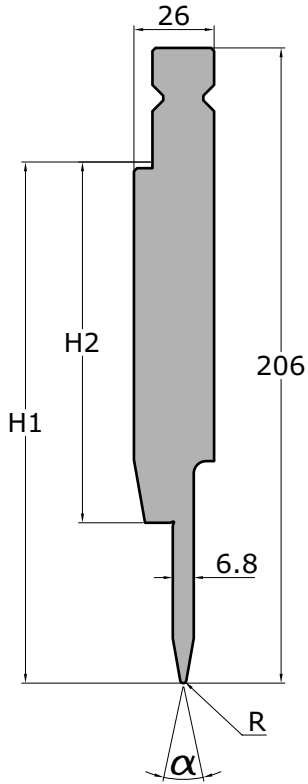
169 117  
214 162

TCTP00018LVD  
TCTP00021LVD

169 117  
214 162

TCTP00019LVD  
TCTP00022LVD

169 117  
214 162



**Kn/m MT**  
360 ■

**W R**  
7.2 0.80

**Kn/m MT**  
300 ■

**W R**  
9.2 1.00

**Kn/m MT**  
210 ■

**W R**  
11.2 1.20

**Code**

**H**

**Code**

**H**

**Code**

**H**

TCTP00189LVD  
TCTP00192LVD

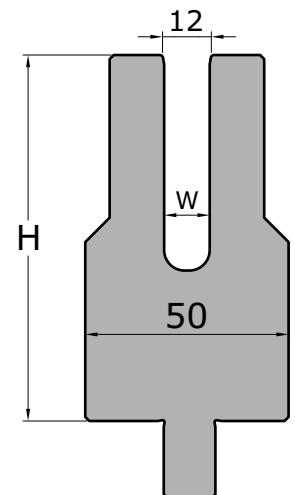
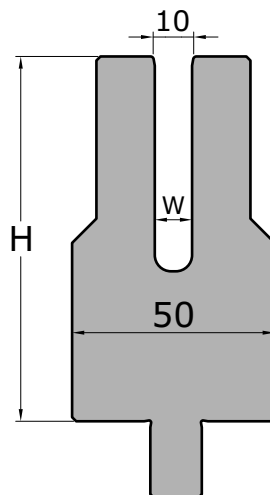
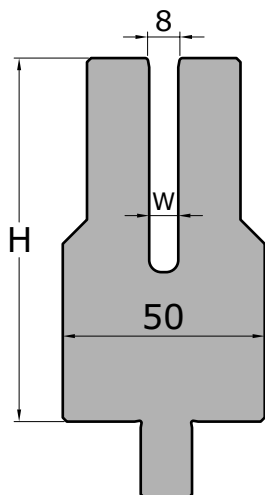
90  
130

TCTP00190LVD  
TCTP00193LVD

90  
130

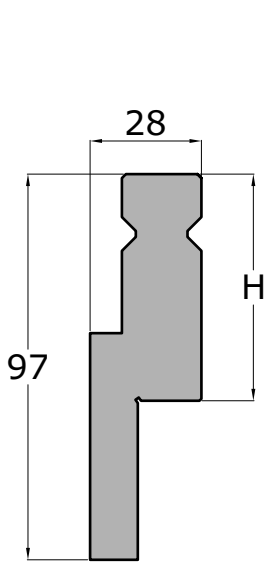
TCTP00191LVD  
TCTP00194LVD

90  
130

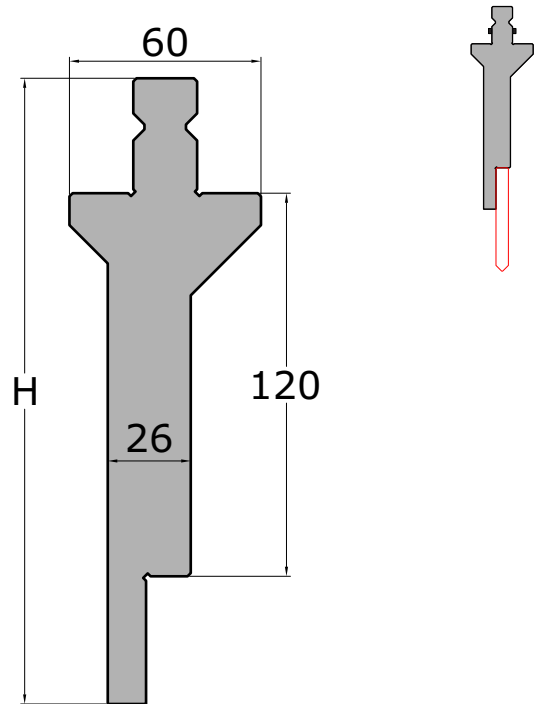


# PORTACUCHILLAS / BLADE HOLDER

Code MT Kn/m H  
**TCK57TR** ■ 1000 57.0



Code MT Kn/m H  
**TCK120TR** ■ 1000 196.0



## PARA / FOR TCK57TR - TCK120TR

Kn/m	Code	$\alpha$	R	H	MT
1000	TC776TR	86°	1.00	100.0	■
	TC774TR	84°	1.00	100.0	■
	TC769TR	28°	6.00	100.0	■
	TC768TR	28°	5.00	100.0	■
	TC767TR	28°	4.00	100.0	■
	TC766TR	28°	3.00	100.0	■
	TC765TR	28°	2.00	100.0	■
	TC763TR	28°	1.00	100.0	■
	TC761TR	28°	0.50	100.0	■

100 mm



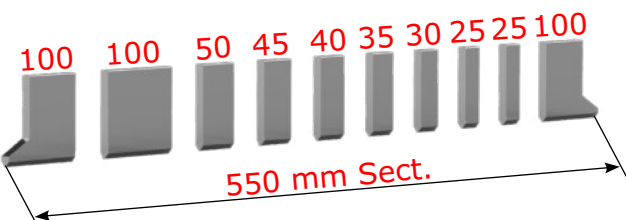
200 mm



300 mm



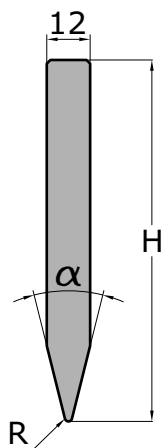
500 mm



LONGITUD ESTÁNDAR  
 STANDARD LEGHT

- 100mm
- 200mm
- 300mm
- 500mm
- 550mm Sect.

Bigornia incluida  
 Horns included



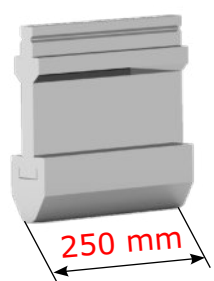
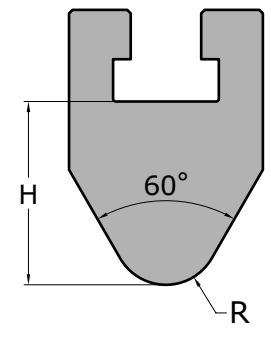
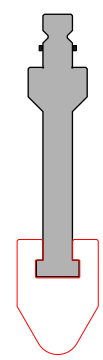
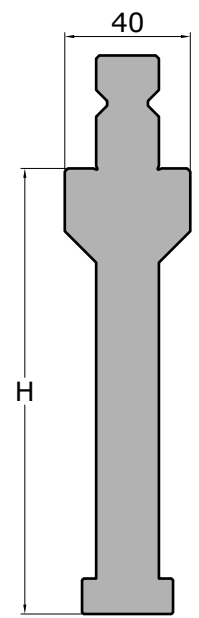
# SOPORTES PARA RADIOS / RADIUS HOLDERS

Code
TCTP00201LVD
TCTP00202LVD

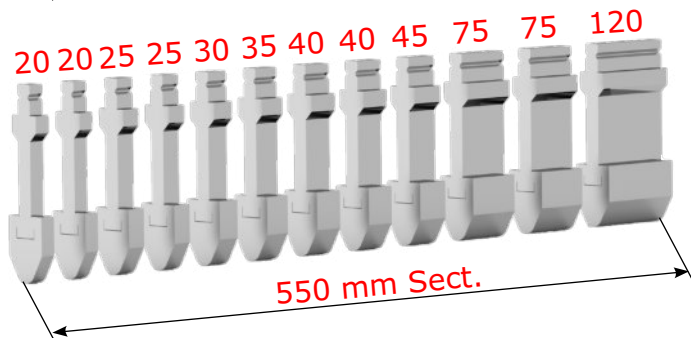
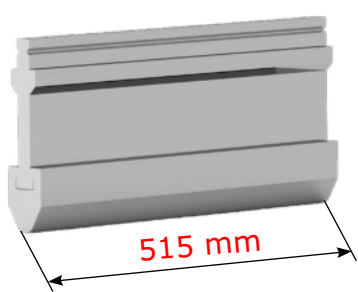
H
107.0
142.0

Kn/m	MT
2000	■

Code	R	Kn/m	MT
TCTP00205LVD	5	2000	■
TCTP00206LVD	6	2400	■
TCTP00207LVD	8	3000	■
TCTP00208LVD	10	3000	■
TCTP00209LVD	12	3000	■
TCTP00210LVD	15	3000	■
TCTP00211LVD	20	3000	■
TCTP00212LVD	25	3000	■
TCTP00213LVD	30	3000	■
TCTP00214LVD	35	3000	■
TCTP00215LVD	40	3000	■
TCTP00216LVD	50	3000	■



LONGITUD ESTÁNDAR  
STANDARD LENGTH



LVD®

# SOPORTES PARA RADIOS / RADIUS HOLDERS

Code	H	MT	Code	H	MT	Code	H	MT
TC314KTR	160.0	■	TC316KTR	103.0	■	TC318STR	220.0	■

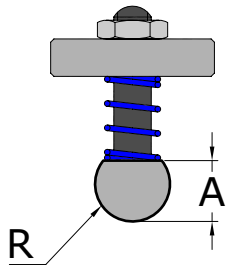
Kn/m	Kn/m	Kn/m
800	800	800

**LONGITUD ESTÁNDAR**  
STANDARD LEGHT  
412mm  
830mm

**LONGITUD ESTÁNDAR**  
STANDARD LEGHT  
412mm  
830mm

**LONGITUD ESTÁNDAR**  
STANDARD LEGHT  
412mm  
830mm

## PARA / FOR TC314KTR / TC316KTR / TC318STR



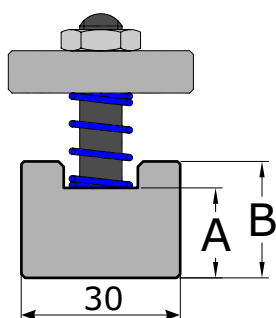
Code	R	A
TC1300AM	7.00	11.5
TC1301AM	7.50	11.5
TC1302AM	8.00	13.0
TC1303AM	9.00	16.0
TC1304AM	10.0	16.0
TC1305AM	11.0	16.0
TC1306AM	11.5	19.0
TC1307AM	12.0	20.0

**MT** \*El código para la versión 42CrMo4 nitrurado añadir una H (ej.: TC1300AMH)

■ \*The code for the version 42CrMo4 nitrided contains an H (ex: TC1300AMH)

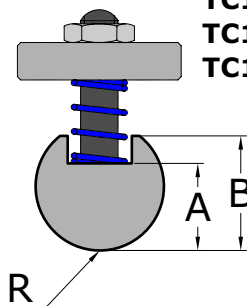
**LONGITUD ESTÁNDAR** 415mm  
STANDARD LEGHT 835mm

Code	A	B
TC1325AM	17.0	22.0



**LONGITUD ESTÁNDAR**  
STANDARD LEGHT  
415mm  
835mm

Code	R	A	B
TC1308AM	12.5	16.0	21.0
TC1309AM	13.0	17.0	23.0
TC1310AM	14.0	19.0	25.0
TC1311AM	15.0	20.0	27.0
TC1312AM	16.0	21.0	28.0
TC1313AM	17.0	21.5	31.5
TC1314AM	17.5	22.0	32.0
TC1315AM	19.0	25.0	32.0
TC1316AM	20.0	24.0	34.0
TC1317AM	22.5	25.0	33.0
TC1318AM	25.0	29.0	39.0
TC1319AM	27.5	34.0	44.0
TC1320AM	30.0	34.0	44.0
TC1321AM	35.0	45.0	55.0
TC1322AM	40.0	45.0	55.0
TC1323AM	45.0	50.0	60.0
TC1324AM	50.0	54.0	64.0



**LONGITUD ESTÁNDAR**  
STANDARD LEGHT  
415mm  
835mm

**MT** \*El código para la versión 42CrMo4 nitrurado añadir una H (ej.: TC1308AMH)

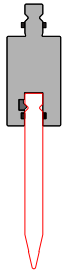
■ \*The code for the version 42CrMo4 nitrided contains an H (ex: TC1308AMH)

# PROLONGADORES / EXTENSIONS

**Kn/m MT**

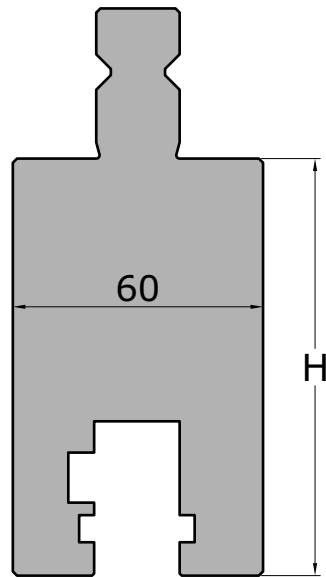
**1000** ■

**PROLONGADOR**  
*EXTENSION*



**Code L H**

<b>TC5410LVD</b>	<b>150</b>	<b>100</b>
<b>TC5415LVD</b>	<b>50</b>	<b>100</b>
<b>TC5440LVD</b>	<b>150</b>	<b>150</b>
<b>TC5445LVD</b>	<b>50</b>	<b>150</b>



**Kn/m MT**

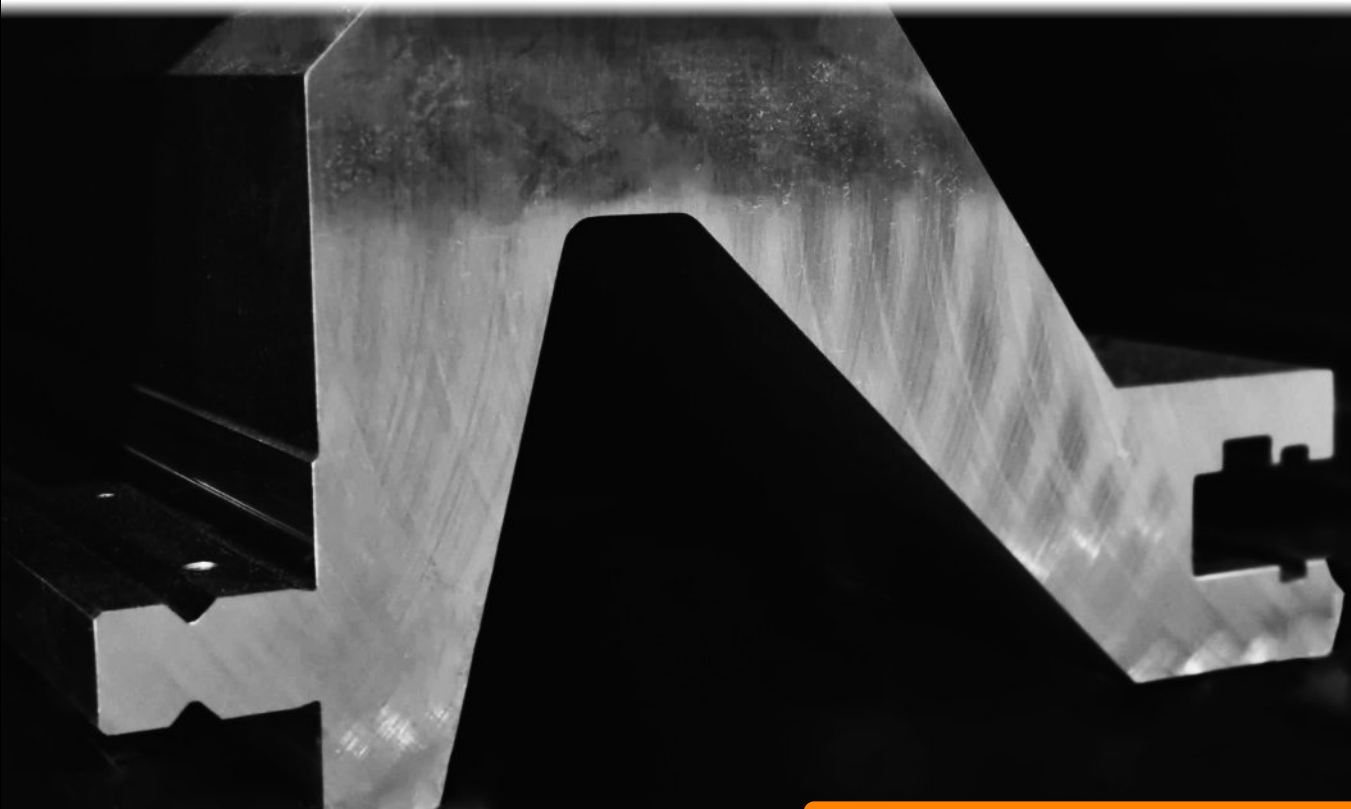
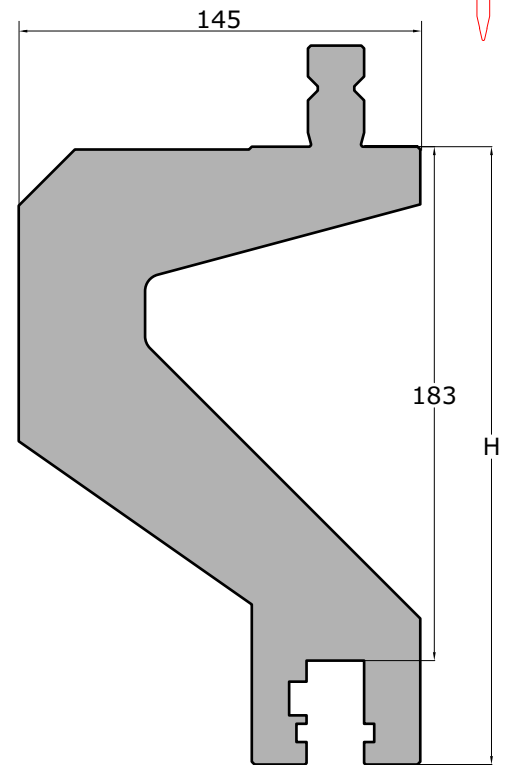
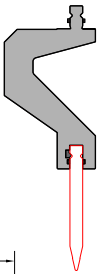
**900** ■

**PROLONGADOR**  
*EXTENSION*

**Longitud disponible:**  
*Available length:*  
**200mm**

**Code H**

**TCMDFXH220TR 220**



**LVD®**

# ADAPTADORES / ADAPTERS

**Code**  
TCAM80TR

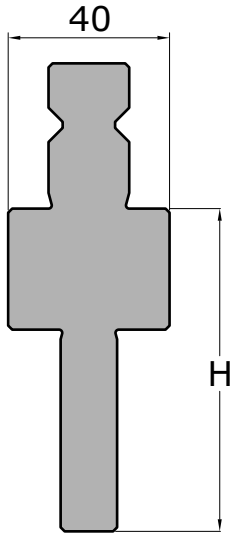
LVD → AMADA

**H**  
80.0

**Kn/m** **MT**  
1000 ■

Mordazas No incluidas  
Clamp plate NOT included

Longitud disponible:  
Available length:  
150mm



**Code**  
TCAM120TR

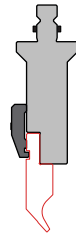
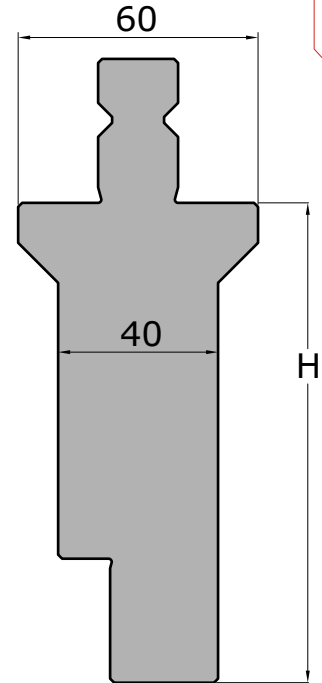
LVD → AMADA

**H**  
120.0

**Kn/m** **MT**  
1000 ■

Mordazas No incluidas  
Clamp plate NOT included

Longitud disponible:  
Available length:  
150mm



**Code**  
TCAM220TR

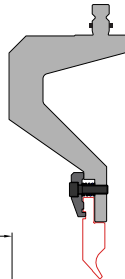
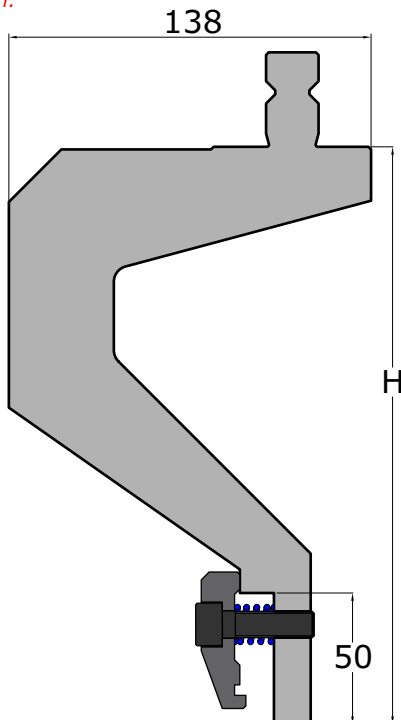
LVD → AMADA

**H**  
220.0

**Kn/m** **MT**  
900 ■

Mordazas No incluidas  
Clamp plate NOT included

Longitud disponible:  
Available length:  
200mm



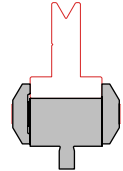
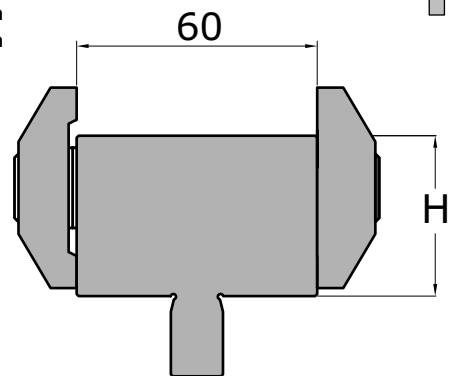
**Code**  
TC6930LVD

LVD → AMADA

**H**  
40.0

**Kn/m** **MT**  
1000 ■

Longitud disponible:  
Available length:  
415mm  
835mm



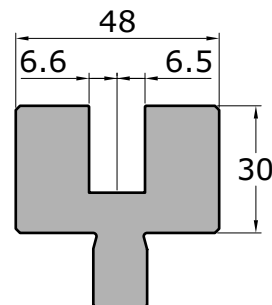
**Code** LVD → WILA/BYSTRONIC  
TC6935LVD

**H**  
30.0

**Kn/m** **MT**  
1000 ■

Longitud disponible:  
Available length:

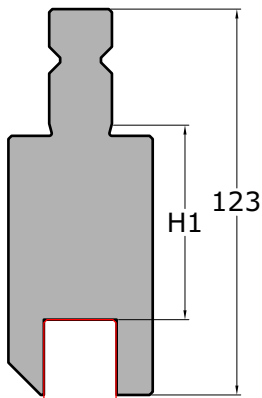
- 50mm
- 100mm
- 200mm
- 300mm
- 500mm
- 1000mm



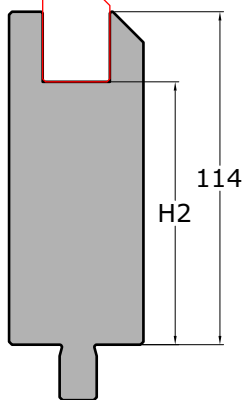
# PLIEGA Z / Z FOLDERS

Code	H1	H2	MT
TC6060LVD	62.0	90.0	■

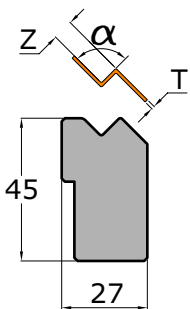
**Kn/m**  
1000



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm



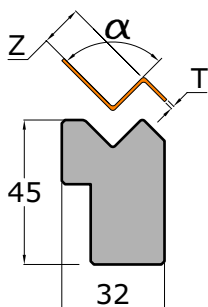
Code	$\alpha$	Z	R	T	MT
TC4585AM	90°	8.5	0.8	2.0	■
TC4590AM	90°	9.0	0.8	2.0	■
TC4610AM	90°	10.0	0.8	2.0	■
TC4611AM	90°	11.0	1.0	2.0	■
TC4612AM	90°	12.0	1.0	2.0	■



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000  
T=ESPESSOR MÁX.  
T=MAX. THICKNESS

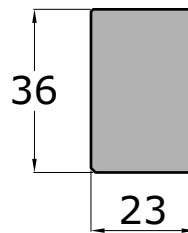
Code	$\alpha$	Z	R	T	MT
TC4613AM	90°	13.0	1.0	2.5	■
TC4614AM	90°	14.0	1.0	2.5	■
TC4615AM	90°	15.0	1.0	3.0	■



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000  
T=ESPESSOR MÁX.  
T=MAX. THICKNESS

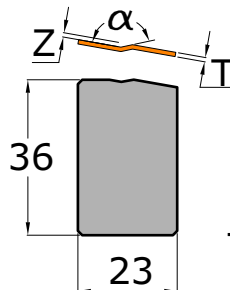
INSERTOS INSERTS					
Code	$\alpha$	Z	R	T	MT
TC4500AM					■



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000

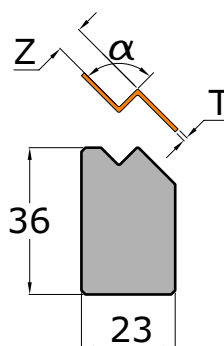
Code	$\alpha$	Z	R	T	MT
TC4510AM	160°	1.0	0.5	1.0	■
TC4515AM	160°	1.5	0.5	1.2	■
TC4520AM	150°	2.0	0.5	1.5	■
TC4525AM	140°	2.5	0.5	1.5	■



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000  
T=ESPESSOR MÁX.  
T=MAX. THICKNESS

Code	$\alpha$	Z	R	T	MT
TC4511AM	90°	1.0	0.3	0.5	■
TC4516AM	90°	1.5	0.3	0.5	■
TC4521AM	90°	2.0	0.5	0.8	■
TC4526AM	90°	2.5	0.5	1.0	■
TC4530AM	90°	3.0	0.5	1.0	■
TC4535AM	90°	3.5	0.5	1.2	■
TC4540AM	90°	4.0	0.5	1.2	■
TC4545AM	90°	4.5	0.5	1.5	■
TC4550AM	90°	5.0	0.5	1.5	■
TC4555AM	90°	5.5	0.5	1.5	■
TC4560AM	90°	6.0	0.5	1.5	■
TC4565AM	90°	6.5	0.5	1.5	■
TC4570AM	90°	7.0	0.5	1.5	■
TC4575AM	90°	7.5	0.5	1.6	■
TC4580AM	90°	8.0	0.5	1.6	■



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
1000  
T=ESPESSOR MÁX.  
T=MAX. THICKNESS



# ARMARIO DE ÚTILES / TOOLING CABINETS

## Leyenda / Description

**L** Máx. longitud del útil en mm.

**L** Máx. length tool in mm.

**N** N° máx. de útiles

**N** N° max. tools

**W** Peso en Kg.

**W** Weigth in Kg.



OTROS COLORES BAJO PEDIDO  
OTHER COLORS ON DEMAND

Code	L	N	W
TC4652TR	1100	55	450

Code	L	N	W
TC4653TR	1100	30	300



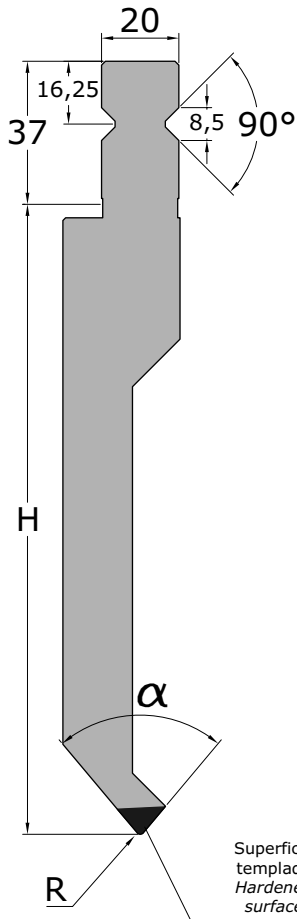
**Estos modelos de armarios de útiles son compatibles con los tipos**

*These tooling cabinets are compatible with type*

**Trumpf / Bystronic / Wila**



LVD®

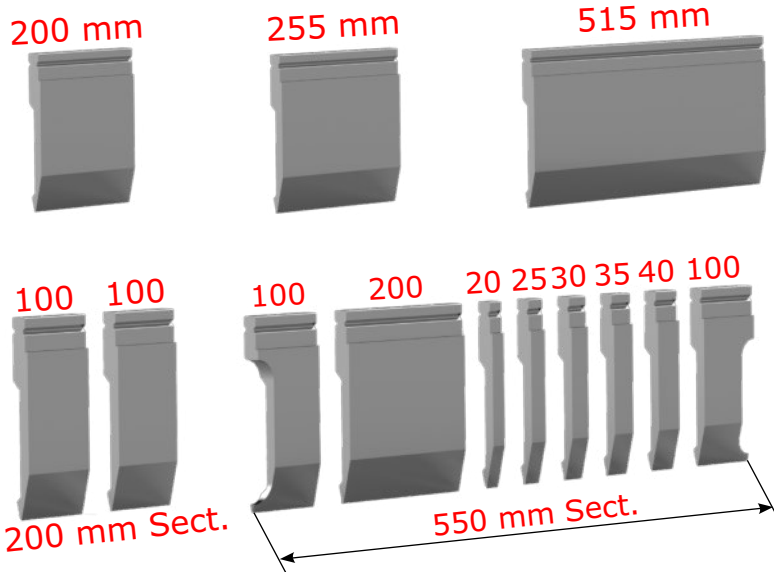


## LEYENDA / DESCRIPTION

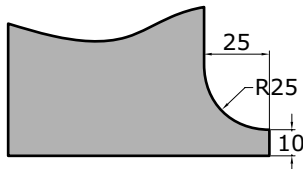
**H** = ALTURA PUNZÓN / PUNCH HEIGHT

**$\alpha$**  = ÁNGULO PUNZÓN / PUNCH DEGREE

**R** = RADIO PUNZÓN / PUNCH RADIUS



## Bigornia estándar Horn Type:



La carga máxima de las bigornias corresponde al 50% de la carga máxima indicada en el punzón.

The horns' max load is 50% of the max load of the punch.

## SISTEMAS DE ANCLAJE CLAMPING TYPE

**Peso del útil >12,5 Kg**  
Tool weight >12,5 Kg



La carga y descarga con el anclaje mediante PINS\* se realiza por el lateral.  
Clamping with PINS\* for side load and unload of the tool.

**Peso del útil ≤12,5 Kg**  
Tool weight ≤12,5 Kg



La carga y descarga con el anclaje SAFETY CLICK\* se realiza frontalmente.  
Clamping with SAFETY CLICK\* front load and unload of the tool.

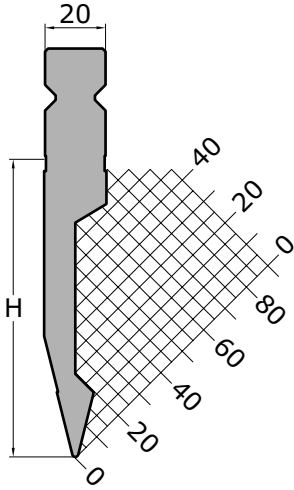
\*Partes de recambio disponibles  
\*Spare parts available

# PUNZONES / PUNCHES

**Code**  
TC001FTP

**$\alpha$**  **R** **H**  
28° 1.00 98.0

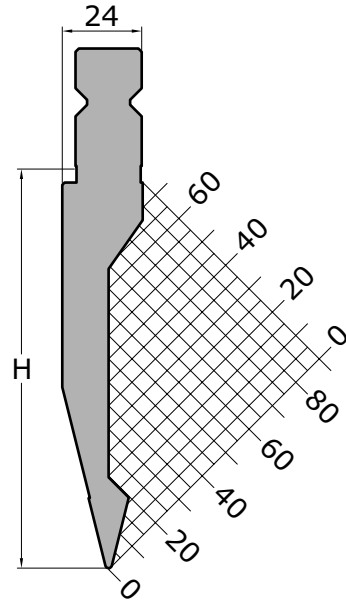
**Kn/m** **MT**  
1000 ■



**Code**  
TC011FTP

**$\alpha$**  **R** **H**  
28° 1.00 120.0

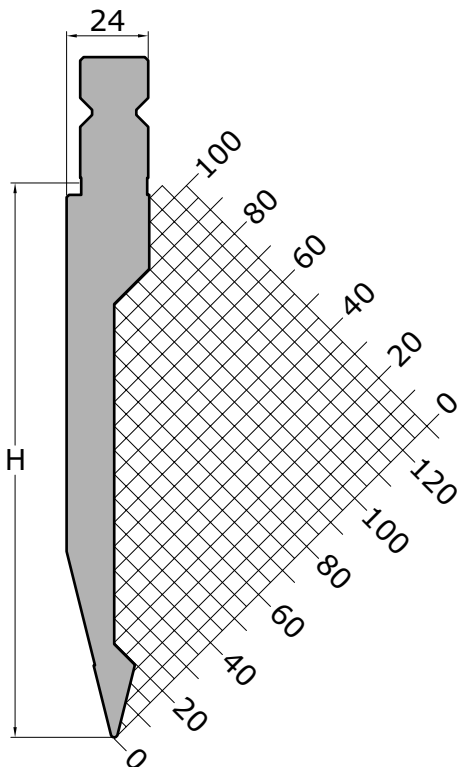
**Kn/m** **MT**  
1000 ■



**Code**  
TC021FTP

**$\alpha$**  **R** **H**  
28° 1.00 163.0

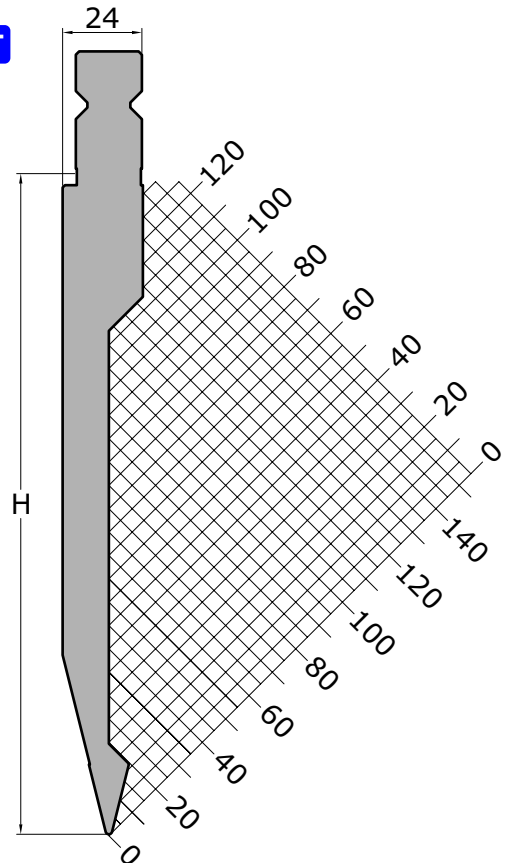
**Kn/m** **MT**  
700 ■



**Code**  
TC031FTP

**$\alpha$**  **R** **H**  
28° 1.00 200.0

**Kn/m** **MT**  
600 ■



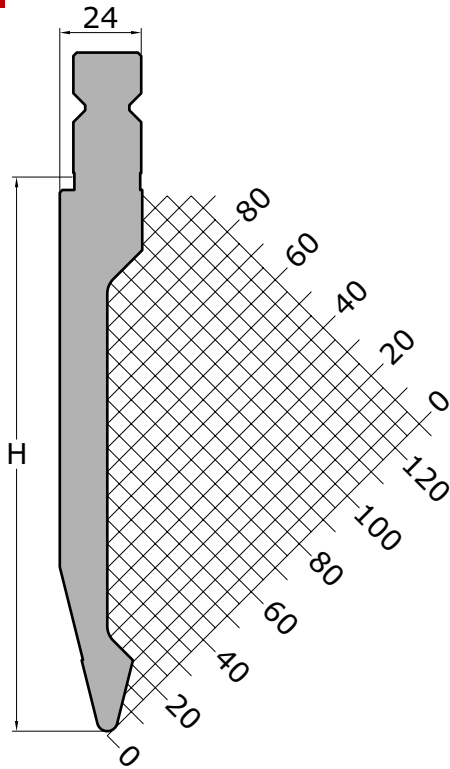
**WILLA**®

# PUNZONES / PUNCHES

**Code**  
TC221FTP

**$\alpha$**  28° **R** 3.00 **H** 163.0

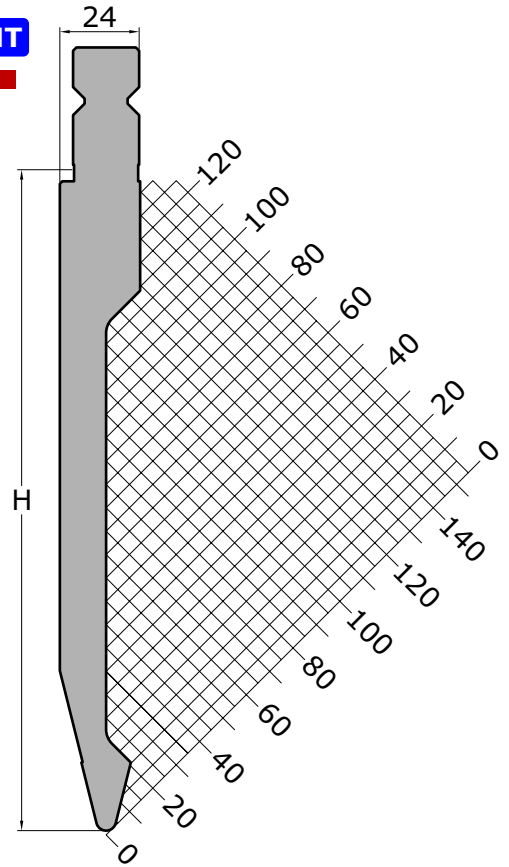
**Kn/m** 1000 **MT** ■



**Code**  
TC231FTP

**$\alpha$**  28° **R** 3.00 **H** 200.0

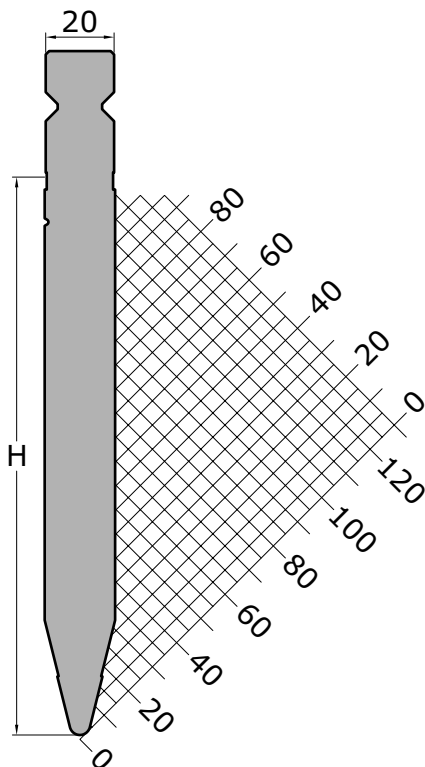
**Kn/m** 1000 **MT** ■



**Code**  
TC029FTP

**$\alpha$**  28° **R** 3.00 **H** 163.0

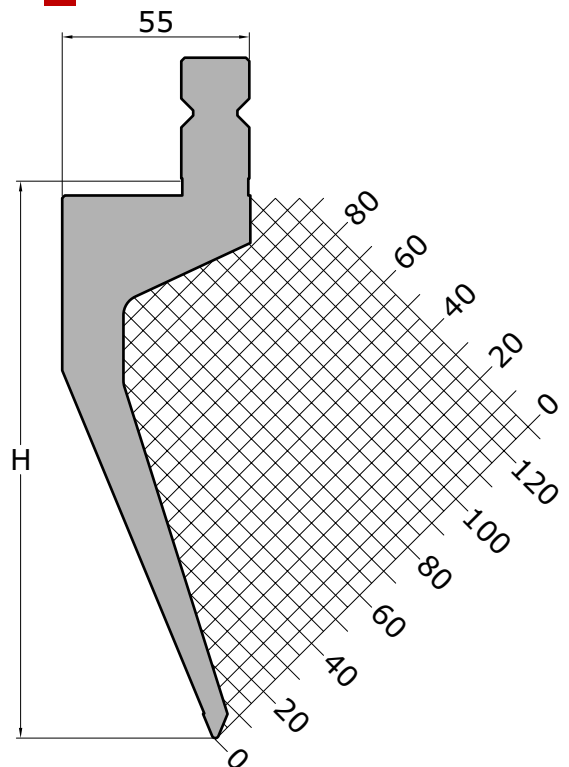
**Kn/m** 1600 **MT** ■



**Code**  
TC226FTP

**$\alpha$**  45° **R** 1.00 **H** 163.0

**Kn/m** 400 **MT** ■

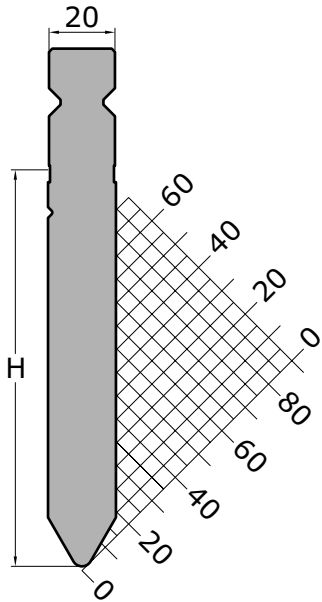


# PUNZONES / PUNCHES

**Code**  
TC014FTP

**$\alpha$**  **R** **H**  
60° 3.00 120.0

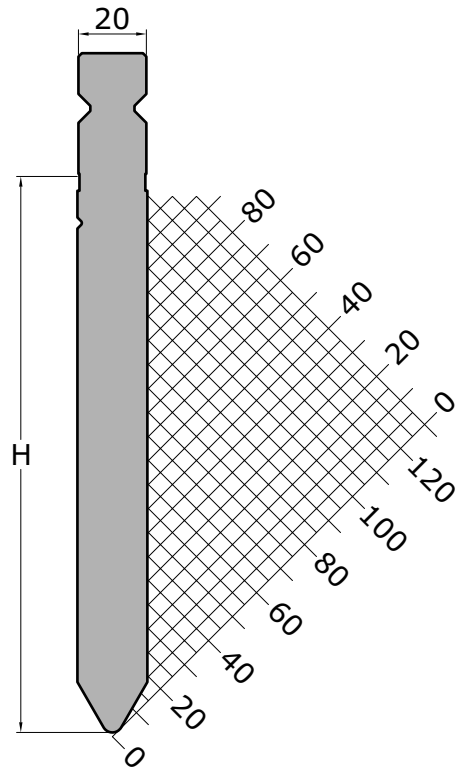
**Kn/m** **MT**  
1600 ■



**Code**  
TC024FTP  
TC222FTP

**$\alpha$**  **R** **H**  
60° 3.00 163.0  
60° 6.00 163.0

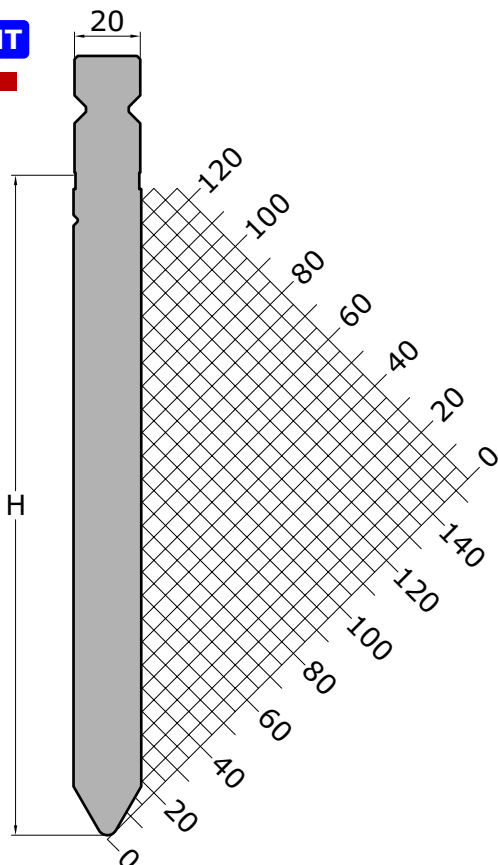
**Kn/m** **MT**  
1600 ■



**Code**  
TC034FTP  
TC037FTP

**$\alpha$**  **R** **H**  
60° 3.00 200.0  
60° 6.00 200.0

**Kn/m** **MT**  
1600 ■



**WILLA**®

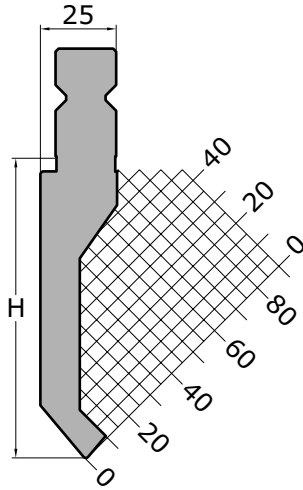


# PUNZONES / PUNCHES

**Code**  
TC002FTP

**$\alpha$**  **R** **H**  
80° 1.00 98.0

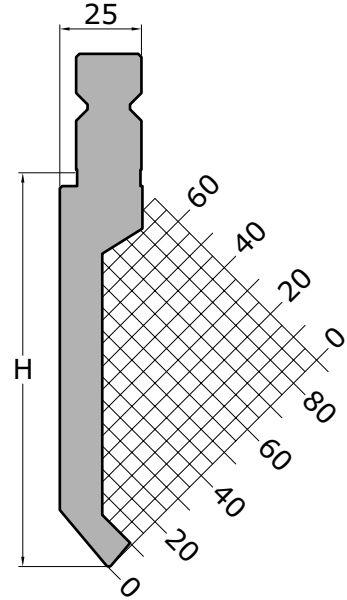
**Kn/m** **MT**  
1000 ■



**Code**  
TC012FTP

**$\alpha$**  **R** **H**  
80° 1.00 120.0

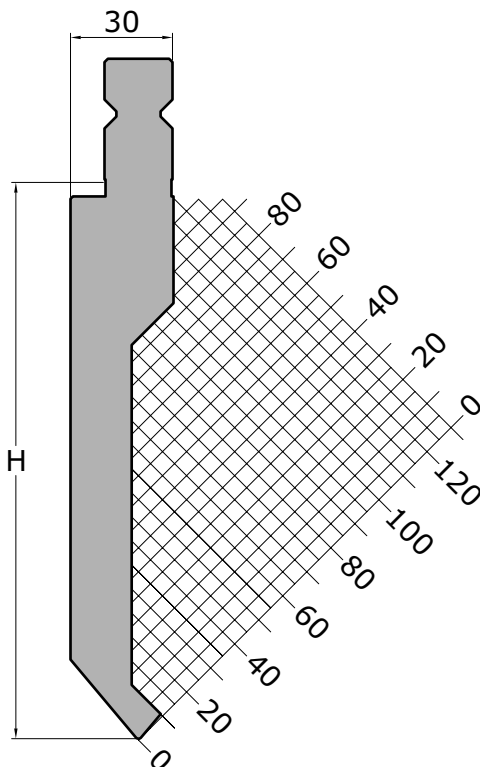
**Kn/m** **MT**  
1000 ■



**Code**  
TC022FTP

**$\alpha$**  **R** **H**  
80° 1.00 163.0

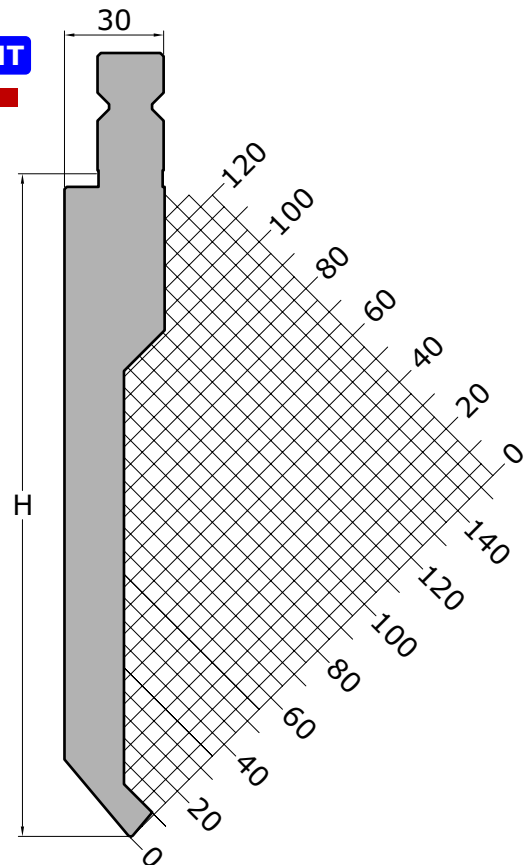
**Kn/m** **MT**  
800 ■



**Code**  
TC032FTP

**$\alpha$**  **R** **H**  
80° 1.00 200.0

**Kn/m** **MT**  
800 ■

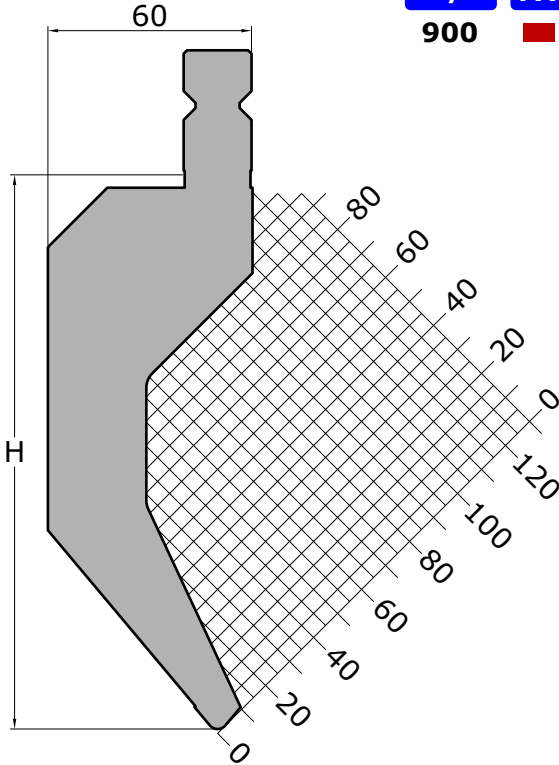


# PUNZONES / PUNCHES

**Code**  
TC225FTP

**$\alpha$**  **R** **H**  
80° 3.00 163.0

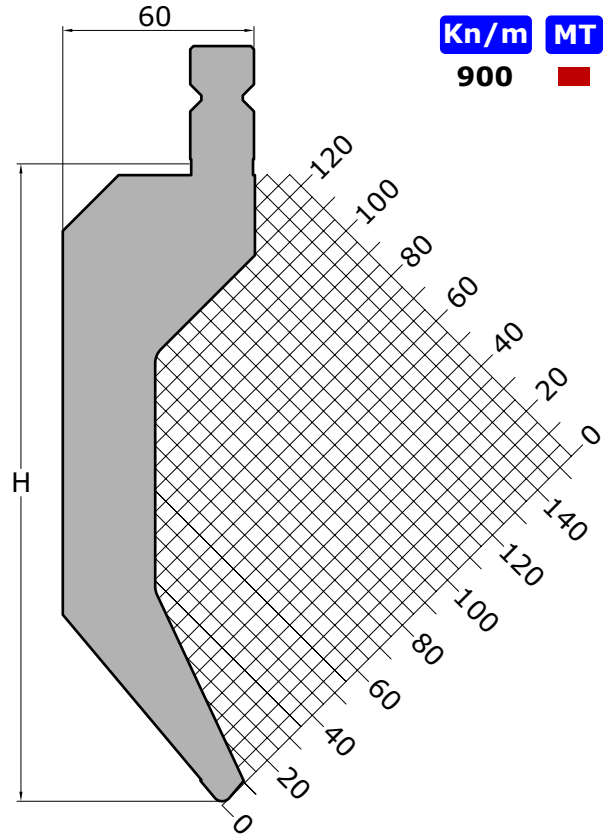
**Kn/m** **MT**  
900 ■



**Code**  
TC233FTP

**$\alpha$**  **R** **H**  
80° 3.00 200.0

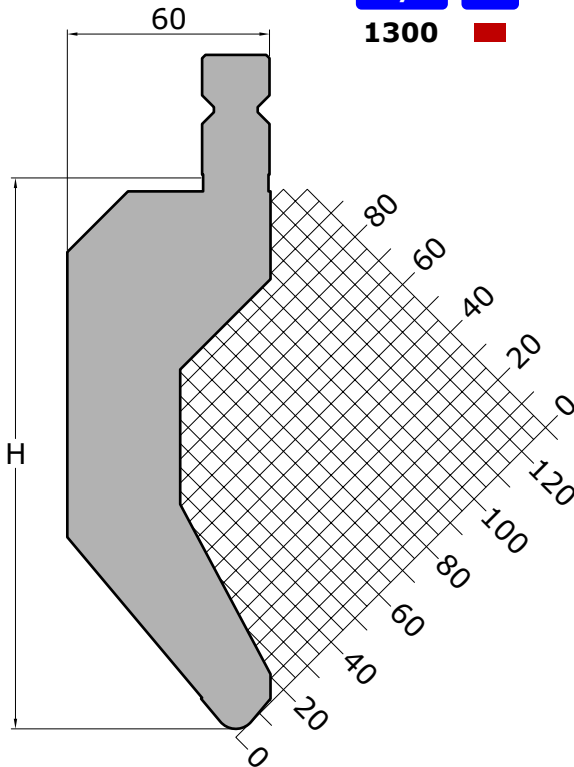
**Kn/m** **MT**  
900 ■



**Code**  
TC025FTP

**$\alpha$**  **R** **H**  
80° 6.00 163.0

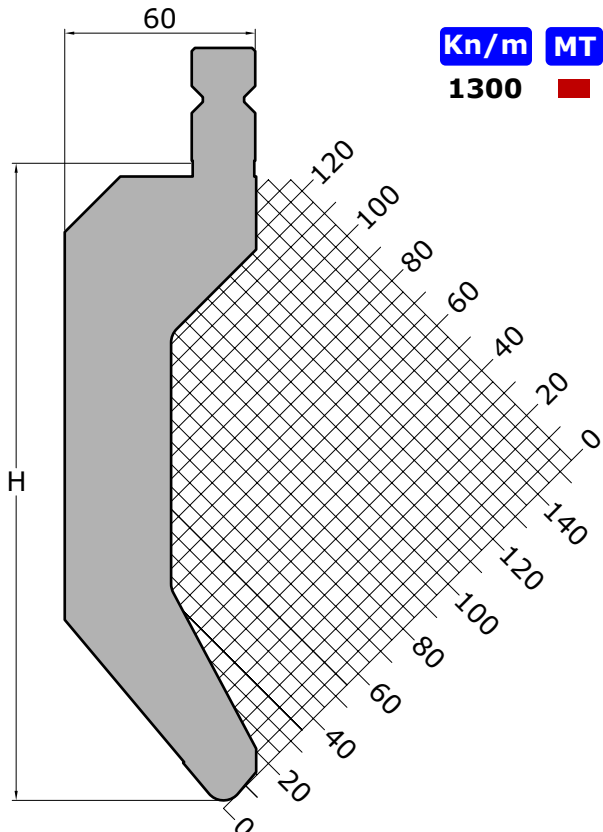
**Kn/m** **MT**  
1300 ■



**Code**  
TC235FTP

**$\alpha$**  **R** **H**  
80° 6.00 200.0

**Kn/m** **MT**  
1300 ■



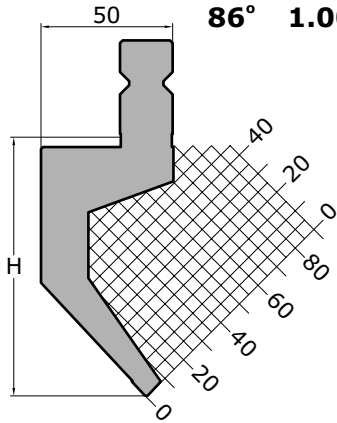
WILLA®

# PUNZONES / PUNCHES

**Code**  
TC003FTP

**$\alpha$**  **R** **H**  
86° 1.00 98.0

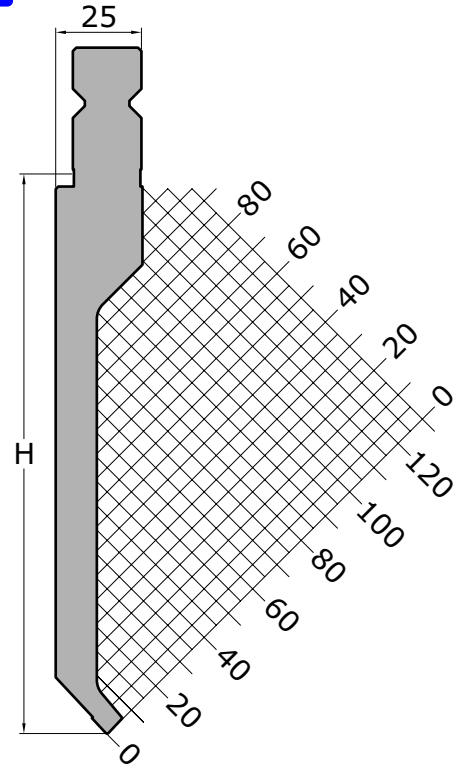
**Kn/m** **MT**  
650 ■



**Code**  
TC224FTP

**$\alpha$**  **R** **H**  
86° 0.60 163.0

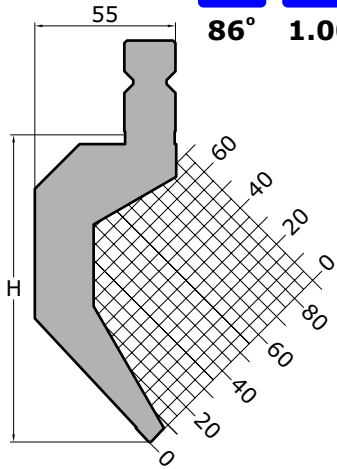
**Kn/m** **MT**  
450 ■



**Code**  
TC013FTP

**$\alpha$**  **R** **H**  
86° 1.00 120.0

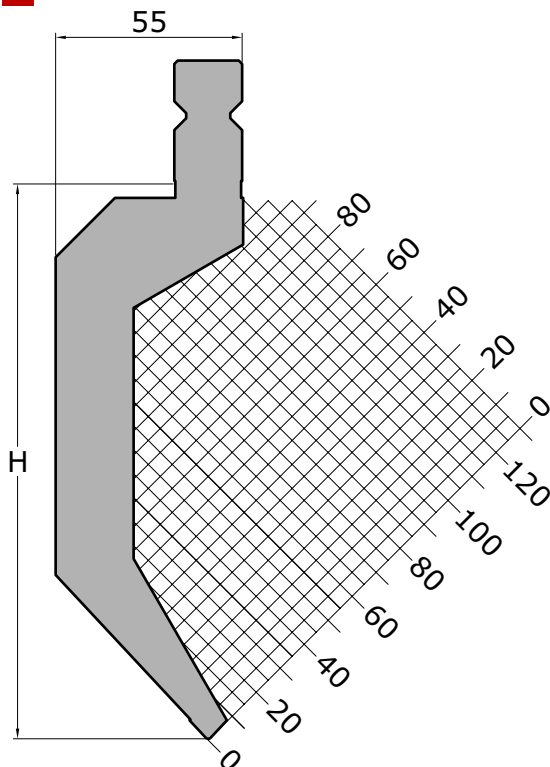
**Kn/m** **MT**  
650 ■



**Code**  
TC023FTP

**$\alpha$**  **R** **H**  
86° 1.00 163.0

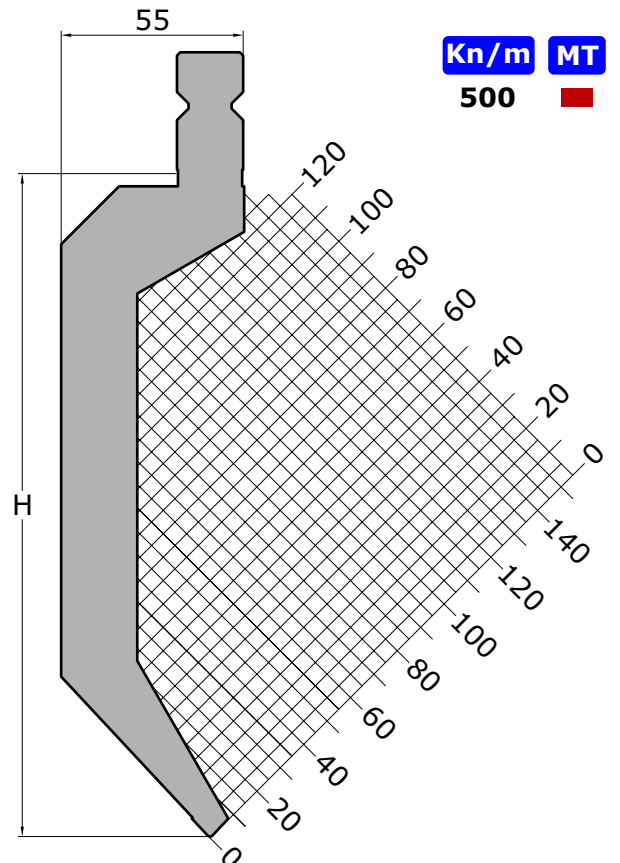
**Kn/m** **MT**  
650 ■



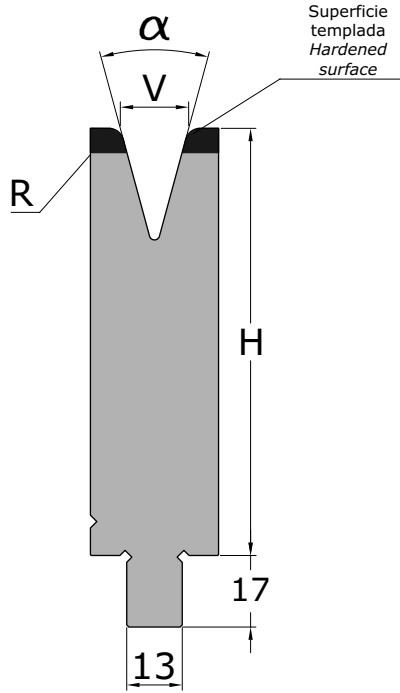
**Code**  
TC033FTP

**$\alpha$**  **R** **H**  
86° 1.00 200.0

**Kn/m** **MT**  
500 ■

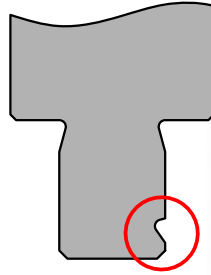






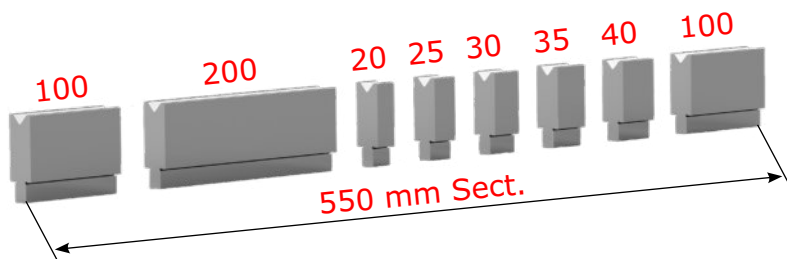
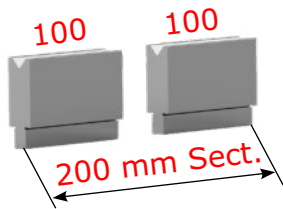
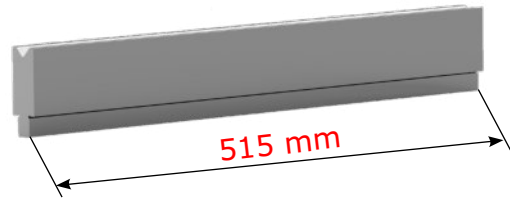
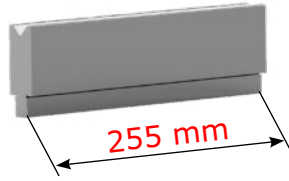
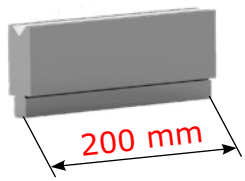
**Bajo pedido, es posible realizar el anclaje de matriz con el nuevo sistema «V-LOCK»**

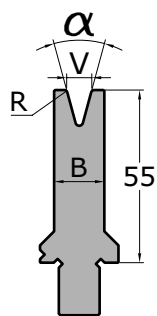
*On demand, is available clamping die with new «V-LOCK» system*



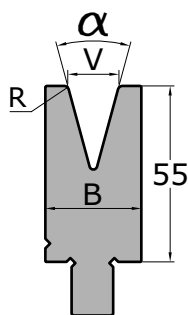
**Amarre estándar**  
*Standard clamp*

## LONGITUD ESTÁNDAR STANDARD LENGTHS

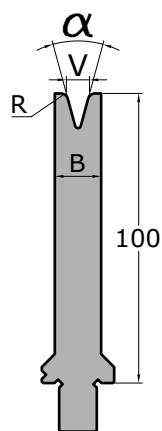




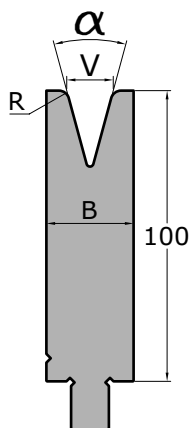
Code	$\alpha$	V	R	H	B	Kn/m	MT
TC061FLD	30°	6	1.00	55	16.0	800	■
TC051FLD	30°	8	1.00	55	16.0	800	■
TC062FLD	30°	10	1.00	55	20.0	800	■
TC052FLD	30°	12	1.00	55	20.0	800	■



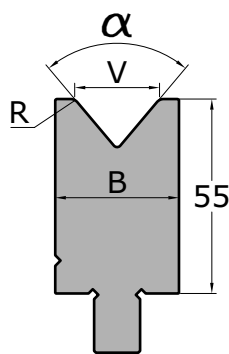
Code	$\alpha$	V	R	H	B	Kn/m	MT
TC053FLD	30°	16	1.50	55	30.0	800	■
TC063FLD	30°	20	2.00	55	35.0	800	■
TC054FLD	30°	24	2.50	55	40.0	800	■



Code	$\alpha$	V	R	H	B	Kn/m	MT
TC361FLD	30°	6	2.00	100	16.0	800	■
TC351FLD	30°	8	2.50	100	16.0	800	■
TC362FLD	30°	10	2.50	100	20.0	800	■
TC352FLD	30°	12	3.00	100	20.0	800	■



Code	$\alpha$	V	R	H	B	Kn/m	MT
TC353FLD	30°	16	3.50	100	30.0	800	■
TC363FLD	30°	20	4.00	100	35.0	800	■
TC354FLD	30°	24	5.00	100	40.0	800	■
TC330FLD	30°	50	10.0	100	80.0	1500	■



Code	$\alpha$	V	R	H	B	Kn/m	MT
TC013FLD	80°	24	2.50	55	35.0	1250	■
TC014FLD	80°	30	3.00	55	40.0	1250	■
TC015FLD	80°	40	4.00	55	50.0	1250	■
TC035FLD	80°	50	5.00	55	75.0	1500	■
TC017FLD	80°	80	8.00	55	100.0	1500	■
TC018FLD	80°	100	10.0	55	125.0	1500	■

Para TC017FLD y TC018FLD:

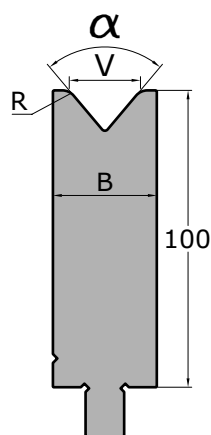
For TC017FLD and TC018FLD:

**No disponible como estándar:**

Not available as standard:

200mm

550mm sect.



Code	$\alpha$	V	R	H	B	Kn/m	MT
TC313FLD	80°	24	5.00	100	35.0	1250	■
TC324FLD	80°	30	6.00	100	40.0	1250	■
TC325FLD	80°	40	8.00	100	55.0	1250	■
TC326FLD	80°	50	10.0	100	65.0	1500	■
TC317FLD	80°	80	16.0	100	105.0	1500	■
TC318FLD	80°	100	20.0	100	130.0	1500	■

Para TC317FLD y TC318FLD:

For TC317FLD and TC318FLD:

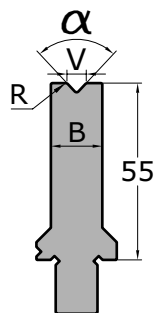
**No disponible como estándar:**

Not available as standard:

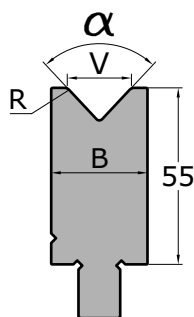
200mm

550mm sect.

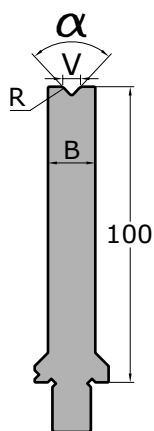




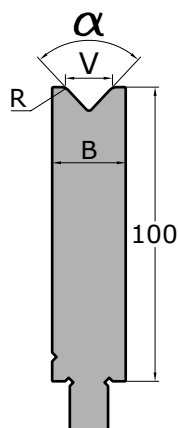
Code	$\alpha$	V	R	H	B	Kn/m	MT
TC024FLD	86°	4	0.50	55	10.0	450	■
TC021FLD	86°	6	1.00	55	16.0	1200	■
TC010FLD	86°	8	1.00	55	16.0	1200	■
TC022FLD	86°	10	1.00	55	20.0	1200	■
TC011FLD	86°	12	1.00	55	20.0	1200	■



Code	$\alpha$	V	R	H	B	Kn/m	MT
TC012FLD	86°	16	1.50	55	25.0	1200	■
TC023FLD	86°	20	2.00	55	30.0	1200	■



Code	$\alpha$	V	R	H	B	Kn/m	MT
TC336FLD	86°	4	0.80	100	10.0	450	■
TC321FLD	86°	6	2.00	100	16.0	1200	■
TC310FLD	86°	8	2.50	100	16.0	1200	■
TC322FLD	86°	10	2.50	100	20.0	1200	■
TC311FLD	86°	12	3.00	100	20.0	1200	■



Code	$\alpha$	V	R	H	B	Kn/m	MT
TC312FLD	86°	16	3.50	100	25.0	1200	■
TC323FLD	86°	20	4.00	100	30.0	1200	■

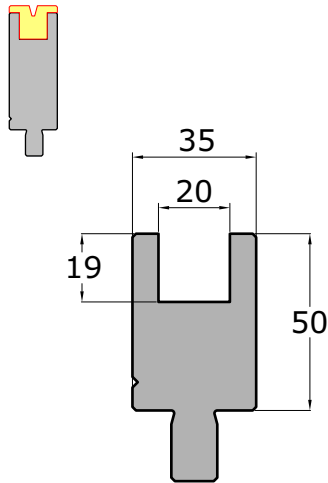
# SOPORTES E INSERTOS DE NYLON / HOLDERS AND NYLON INSERTS



**LONGITUD ESTÁNDAR**  
STANDARD LENGTH **415mm / 835mm**

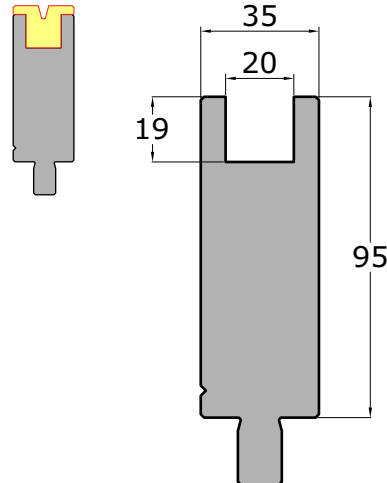
**Code**  
**TCN50TR**

**MT**  
■

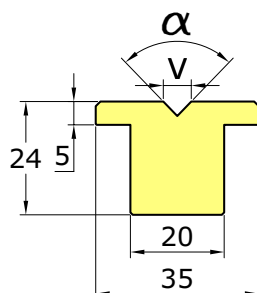


**Code**  
**TCN95TR**

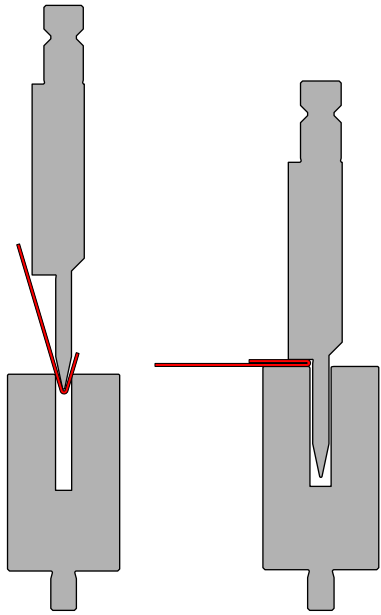
**MT**  
■



<b>Kn/m</b>	<b>Code</b>	<b><math>\alpha</math></b>	<b>V</b>
<b>200</b>	<b>TC306AMM</b>	<b>30°</b>	<b>6</b>
	<b>TC308AMM</b>	<b>30°</b>	<b>8</b>
	<b>TC310AMM</b>	<b>30°</b>	<b>10</b>
	<b>TC406AMM</b>	<b>45°</b>	<b>6</b>
	<b>TC408AMM</b>	<b>45°</b>	<b>8</b>
	<b>TC410AMM</b>	<b>45°</b>	<b>10</b>
	<b>TC412AMM</b>	<b>45°</b>	<b>12</b>
	<b>TC606AMM</b>	<b>60°</b>	<b>6</b>
	<b>TC608AMM</b>	<b>60°</b>	<b>8</b>
	<b>TC610AMM</b>	<b>60°</b>	<b>10</b>
	<b>TC612AMM</b>	<b>60°</b>	<b>12</b>
	<b>TC616AMM</b>	<b>60°</b>	<b>16</b>



**WILLA**®



200 mm



255 mm



515 mm



100 100



200 mm Sect.

100

200

20

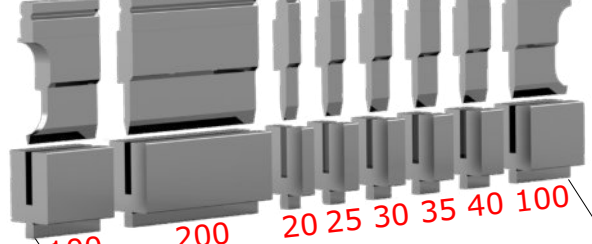
25

30

35

40

100



100

200

20

25

30

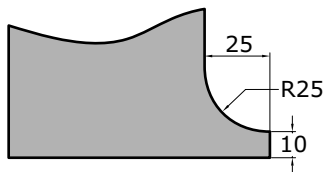
35

40

100

550 mm Sect.

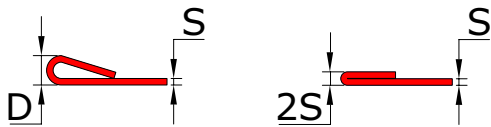
**Bigornia estándar**  
Horn Type:



**LONGITUD ESTÁNDAR**  
STANDARD LENGTH

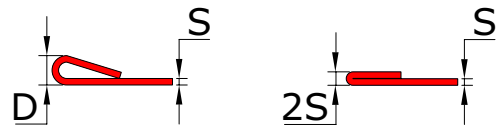
La carga máxima de las bigornias corresponde al 50% de la carga máxima indicada en el punzón.  
The horns' max load is 50% of the max load of the punch.

$\sigma \approx 450 \text{ N/mm}^2$



S <sub>[mm]</sub>	F <sub>[kN/m]</sub>	D <sub>[mm]</sub>	F <sub>[kN/m]</sub>	2S <sub>[mm]</sub>
0.60	90	3.0	230	1.2
0.80	120	3.0	320	1.6
1.00	150	3.5	400	2.0
1.25	170	3.5	500	2.5
1.50	220	4.6	630	3.0
2.00	300	5.5	800	4.0
2.50	550	6.5	900	5.0
3.00	700	8.0	1000	6.0

$\sigma \approx 700 \text{ N/mm}^2$



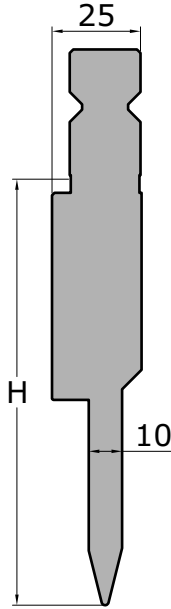
S <sub>[mm]</sub>	F <sub>[kN/m]</sub>	D <sub>[mm]</sub>	F <sub>[kN/m]</sub>	2S <sub>[mm]</sub>
0.60	150	3.0	350	1.2
0.80	200	3.0	500	1.6
1.00	250	3.5	600	2.0
1.25	260	3.5	800	2.5
1.50	380	4.6	950	3.0
2.00	500	5.5	1300	4.0

# PLEGADO Y MACHACADO / HEMMING TOOLS

**Code**  
TC051FTP

**$\alpha$**  **R** **H**  
28° 1.00 120.0

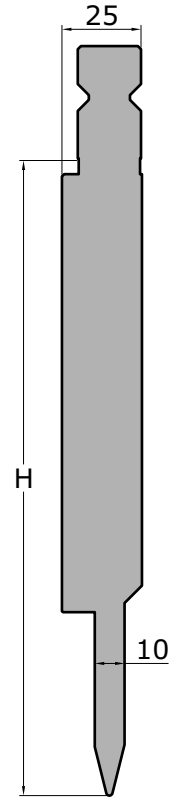
**Kn/m** **MT**  
1000 ■



**Code**  
TC053FTP

**$\alpha$**  **R** **H**  
28° 1.00 200.0

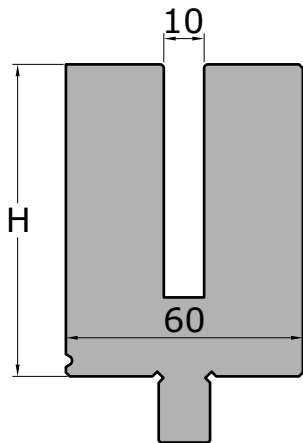
**Kn/m** **MT**  
1000 ■



**Code**  
TC083FLD

**V** **R** **H**  
10 1.00 79.0

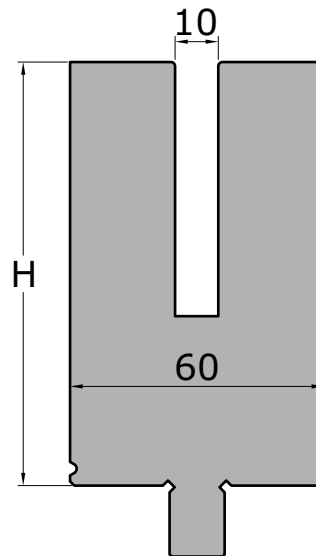
**Kn/m** **MT**  
1000 ■



**Code**  
TC381FLD

**V** **R** **H**  
10 1.00 100.0

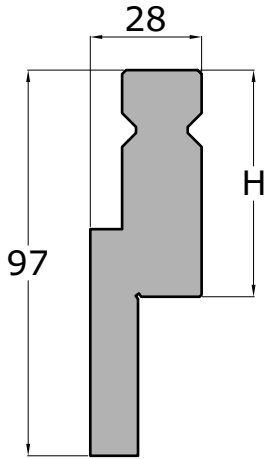
**Kn/m** **MT**  
1000 ■



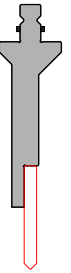
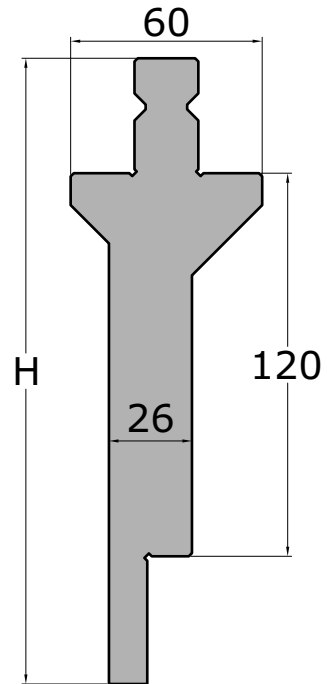
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# PORTACUCHILLAS / BLADE HOLDER

**Code** **MT** **Kn/m** **H**  
**TCK57TR** ■ **1000** **57.0**



**Code** **MT** **Kn/m** **H**  
**TCK120TR** ■ **1000** **196.0**



## PARA / FOR TCK57TR - TCK120TR

Kn/m	Code	$\alpha$	R	H	MT
1000	TC776TR	86°	1.00	100.0	■
	TC774TR	84°	1.00	100.0	■
	TC769TR	28°	6.00	100.0	■
	TC768TR	28°	5.00	100.0	■
	TC767TR	28°	4.00	100.0	■
	TC766TR	28°	3.00	100.0	■
	TC765TR	28°	2.00	100.0	■
	TC763TR	28°	1.00	100.0	■
	TC761TR	28°	0.50	100.0	■

100 mm



200 mm



300 mm



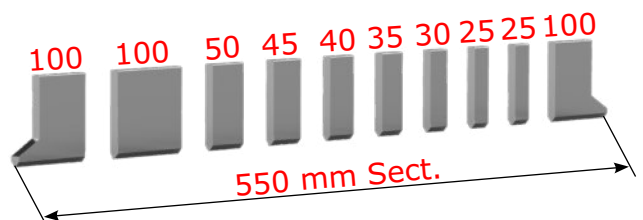
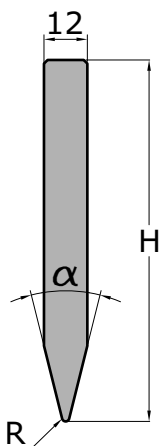
500 mm



LONGITUD ESTÁNDAR  
 STANDARD LENGTH

- 100mm
- 200mm
- 300mm
- 500mm
- 550mm Sect.

Bigornia incluida  
 Horns included





# SOPORTES PARA RADIOS / RADIUS HOLDERS

**Code**  
TC004FTP

**Kn/m** **MT**  
1600 ■

Longitud disponible :  
Available leght: 515mm

**H**  
106.0

**Code**  
TC024FTP

**Kn/m** **MT**  
1600 ■

Longitud disponible :  
Available leght: 515mm

20

H

**H**  
163.0

**Code**  
TC124FTP

**Kn/m** **MT**  
2500 ■

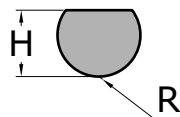
Longitud disponible :  
Available leght: 515mm

50

H

Kn/m	MT	Code	R	H
1000	<span style="color: green;">■</span>	TC070FLR	7.0	11.5
1750	<span style="color: red;">■</span> (H)	TC075FLR	7.5	11.5
		TC080FLR	8.0	13.0
		TC090FLR	9.0	16.0
		TC100FLR	10.0	16.0

Longitud disponible :  
Available leght: 515mm

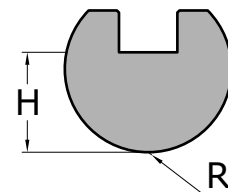


\*El código para la versión 42CrMo4 templado añadir una H (ej.: TC070FLRH)

\*The code for the version 42CrMo4 hardened contains an H (ex: TC070FLRH)

Kn/m	MT	Code	R	H
1000	<span style="color: green;">■</span>	TC125FLR	12.5	16.0
2250	<span style="color: red;">■</span> (H)	TC150FLR	15.0	20.0
		TC175FLR	17.5	22.0
		TC200FLR	20.0	24.0

Longitud disponible :  
Available leght: 515mm

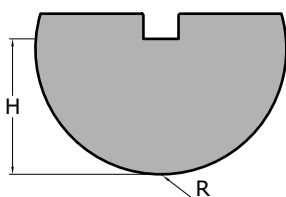


\*El código para la versión 42CrMo4 templado añadir una H (ej.: TC125FLRH)

\*The code for the version 42CrMo4 hardened contains an H (ex: TC125FLRH)

Kn/m	MT	Code	R	H
1000	<span style="color: green;">■</span>	TC250FLR	25.0	29.0
2500	<span style="color: red;">■</span> (H)	TC300FLR	30.0	34.0
		TC400FLR	40.0	45.0
		TC500FLR	50.0	54.0

Longitud disponible :  
Available leght: 515mm

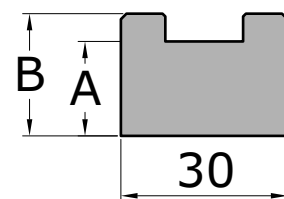


\*El código para la versión 42CrMo4 templado añadir una H (ej.: TC250FLRH)

\*The code for the version 42CrMo4 hardened contains an H (ex: TC250FLRH)

Kn/m	MT	Code	B	A
1000	<span style="color: green;">■</span>	TC900FLR	22.0	17.0
1000	<span style="color: red;">■</span> (H)			

Longitud disponible :  
Available leght: 515mm



\*El código para la versión 42CrMo4 templado añadir una H (ej.: TC900FLRH)

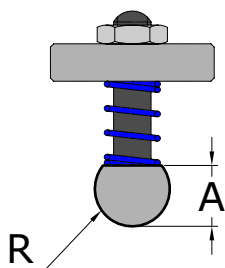
\*The code for the version 42CrMo4 hardened contains an H (ex: TC900FLRH)

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# SOPORTES PARA RADIOS / RADIUS HOLDERS

Code	H	MT	Code	H	MT	Code	H	MT
TC314KTR	160.0	■	TC316KTR	103.0	■	TC318STR	220.0	■
<b>Kn/m</b> 800			<b>Kn/m</b> 800			<b>Kn/m</b> 800		
<b>LONGITUD ESTÁNDAR</b> STANDARD LEGHT 412mm 830mm			<b>LONGITUD ESTÁNDAR</b> STANDARD LEGHT 412mm 830mm			<b>LONGITUD ESTÁNDAR</b> STANDARD LEGHT 412mm 830mm		

## PARA / FOR TC314KTR / TC316KTR / TC318STR

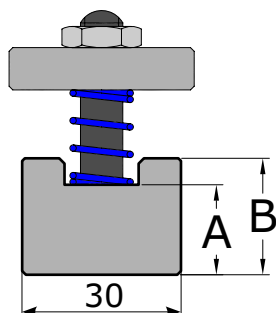


Code	R	A
TC1300AM	7.00	11.5
TC1301AM	7.50	11.5
TC1302AM	8.00	13.0
TC1303AM	9.00	16.0
TC1304AM	10.0	16.0
TC1305AM	11.0	16.0
TC1306AM	11.5	19.0
TC1307AM	12.0	20.0

**MT** \*El código para la versión 42CrMo4 nitrurado añadir una H (ej.: TC1300AMH)  
 ■ \*The code for the version 42CrMo4 nitrided contains an H (ex: TC1300AMH)

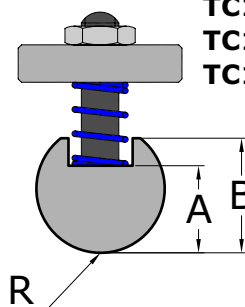
**LONGITUD ESTÁNDAR** 415mm  
STANDARD LEGHT 835mm

Code	A	B
TC1325AM	17.0	22.0



**LONGITUD ESTÁNDAR** 415mm  
STANDARD LEGHT 835mm

Code	R	A	B
TC1308AM	12.5	16.0	21.0
TC1309AM	13.0	17.0	23.0
TC1310AM	14.0	19.0	25.0
TC1311AM	15.0	20.0	27.0
TC1312AM	16.0	21.0	28.0
TC1313AM	17.0	21.5	31.5
TC1314AM	17.5	22.0	32.0
TC1315AM	19.0	25.0	32.0
TC1316AM	20.0	24.0	34.0
TC1317AM	22.5	25.0	33.0
TC1318AM	25.0	29.0	39.0
TC1319AM	27.5	34.0	44.0
TC1320AM	30.0	34.0	44.0
TC1321AM	35.0	45.0	55.0
TC1322AM	40.0	45.0	55.0
TC1323AM	45.0	50.0	60.0
TC1324AM	50.0	54.0	64.0



**LONGITUD ESTÁNDAR** 415mm  
STANDARD LEGHT 835mm

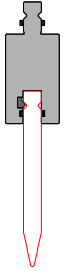
**MT** \*El código para la versión 42CrMo4 nitrurado añadir una H (ej.: TC1308AMH)  
 ■ \*The code for the version 42CrMo4 nitrided contains an H (ex: TC1308AMH)

# PROLONGADORES / EXTENSIONS

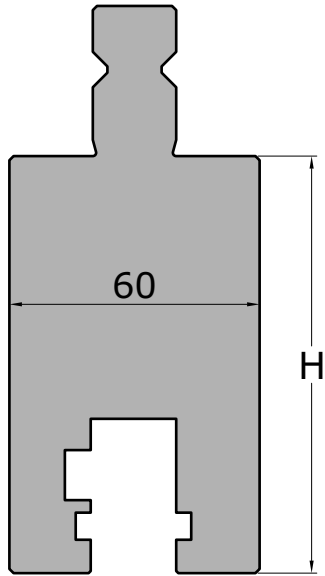
**Kn/m MT**

**1000** ■

**PROLONGADOR  
EXTENSION**



Code	L	H
TC5410LVD	150	100
TC5415LVD	50	100
TC5440LVD	150	150
TC5445LVD	50	150



**Code**

**TCMDFXH220TR**

**Kn/m MT**

**900** ■

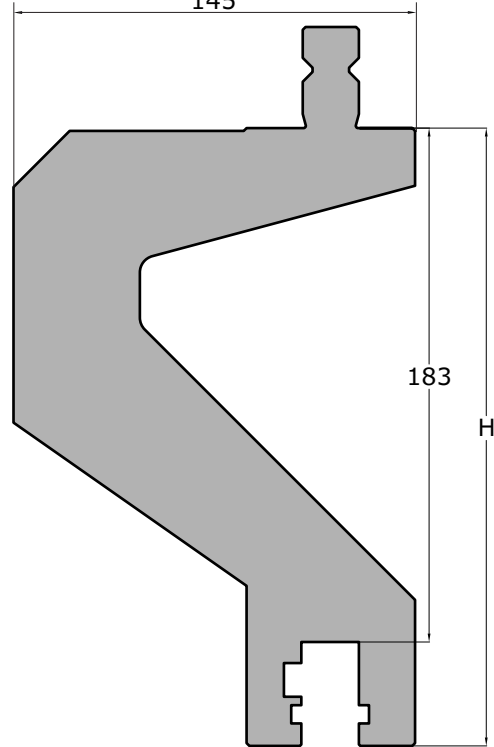
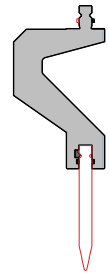
**Longitud disponible:**  
*Available length:*

**200mm**

**PROLONGADOR  
EXTENSION**

**H**

**220.0**



**Code**  
**TCMDFXVTR**

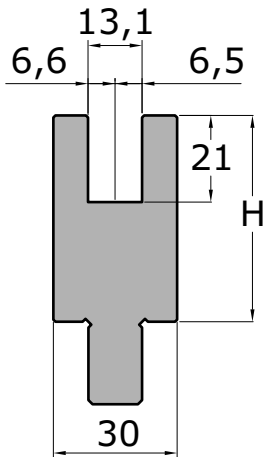
**Kn/m MT**

**1000** ■

**Longitud disponible:**  
*Available length:*  
**500mm**

**PORTA MATRIZ  
DIE HOLDER**

**H**  
**50.0**



**Code**  
**TCMDFXVLTR**

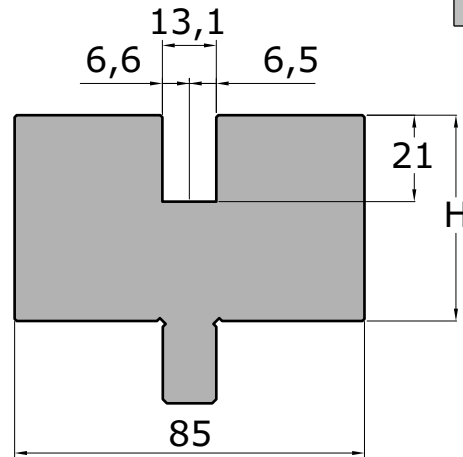
**Kn/m MT**

**1000** ■

**Longitud disponible:**  
*Available length:*  
**500mm**

**PORTA MATRIZ  
DIE HOLDER**

**H**  
**50.0**



**WILLA®**

# ADAPTADORES / ADAPTERS

**Code**  
TCAM80TR

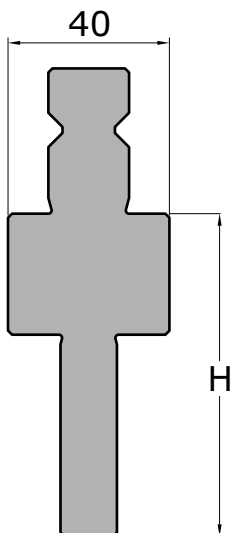
WILA → AMADA

**H**  
80.0

**Kn/m** **MT**  
1000

Mordazas No incluidas  
Clamp plate NOT included

**Longitud disponible:**  
Available length:  
150mm



**Code**  
TCAM120TR

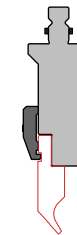
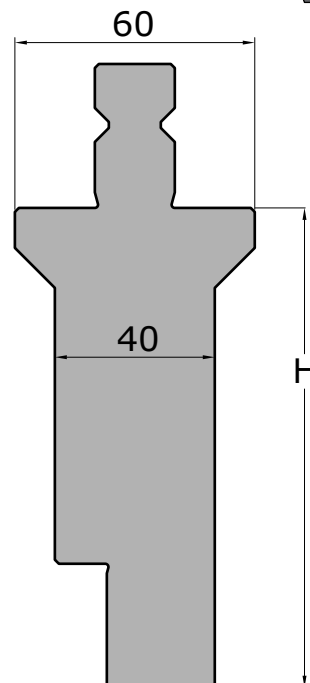
WILA → AMADA

**H**  
120.0

**Kn/m** **MT**  
1000

Mordazas No incluidas  
Clamp plate NOT included

**Longitud disponible:**  
Available length:  
150mm



**Code**  
TCAM220TR

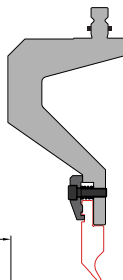
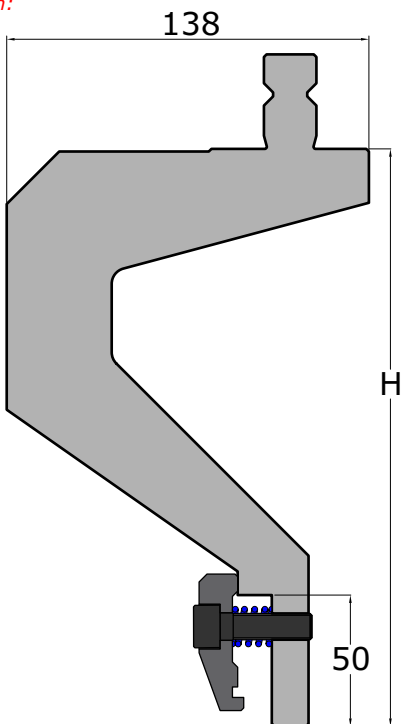
WILA → AMADA

**H**  
220.0

**Kn/m** **MT**  
900

Mordazas No incluidas  
Clamp plate NOT included

**Longitud disponible:**  
Available length:  
200mm



**Code**  
TCAMV40TR

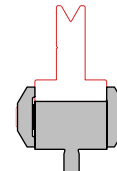
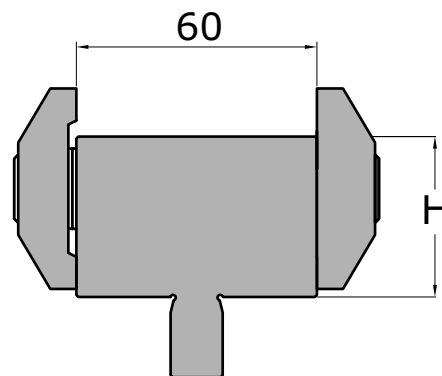
WILA → AMADA

**H**  
40.0

**Kn/m** **MT**  
1000

Mordazas No incluidas  
Clamp plate NOT included

**Longitud disponible:**  
Available length:  
415mm  
835mm

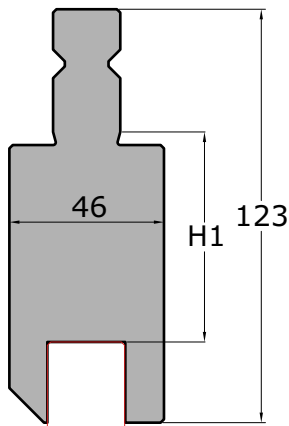


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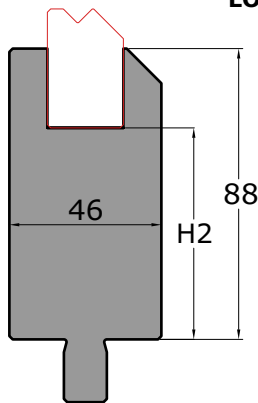
# PLIEGA Z / Z FOLDERS

Code	H1	H2	MT
TCZK62TR	62.0	90.0	<span style="color: green;">■</span>

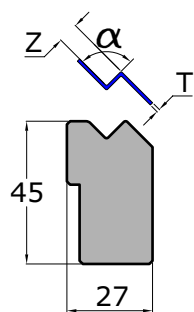
**Kn/m**  
**1000**



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm



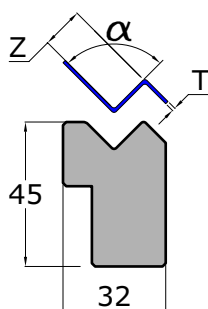
Code	$\alpha$	Z	R	T	MT
TC4585AM	90°	8.5	0.8	2.0	<span style="color: yellow;">■</span>
TC4590AM	90°	9.0	0.8	2.0	<span style="color: yellow;">■</span>
TC4610AM	90°	10.0	0.8	2.0	<span style="color: yellow;">■</span>
TC4611AM	90°	11.0	1.0	2.0	<span style="color: yellow;">■</span>
TC4612AM	90°	12.0	1.0	2.0	<span style="color: yellow;">■</span>



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
**1000**  
T=ESPESSOR MÁX.  
T=MAX. THICKNESS

Code	$\alpha$	Z	R	T	MT
TC4613AM	90°	13.0	1.0	2.5	<span style="color: yellow;">■</span>
TC4614AM	90°	14.0	1.0	2.5	<span style="color: yellow;">■</span>
TC4615AM	90°	15.0	1.0	3.0	<span style="color: yellow;">■</span>

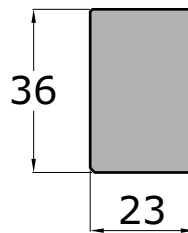


LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
**1000**  
T=ESPESSOR MÁX.  
T=MAX. THICKNESS

## INSERTOS INSERTS

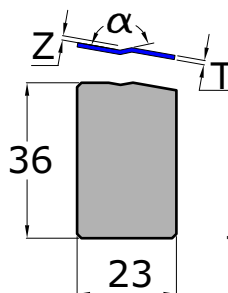
Code	$\alpha$	Z	R	T	MT
TC4500AM					<span style="color: yellow;">■</span>



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
**1000**

Code	$\alpha$	Z	R	T	MT
TC4510AM	160°	1.0	0.5	1.0	<span style="color: yellow;">■</span>
TC4515AM	160°	1.5	0.5	1.2	<span style="color: yellow;">■</span>
TC4520AM	150°	2.0	0.5	1.5	<span style="color: yellow;">■</span>
TC4525AM	140°	2.5	0.5	1.5	<span style="color: yellow;">■</span>

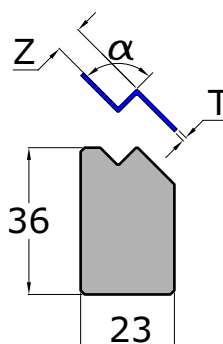


LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
**1000**

T=ESPESSOR MÁX.  
T=MAX. THICKNESS

Code	$\alpha$	Z	R	T	MT
TC4511AM	90°	1.0	0.3	0.5	<span style="color: yellow;">■</span>
TC4516AM	90°	1.5	0.3	0.5	<span style="color: yellow;">■</span>
TC4521AM	90°	2.0	0.5	0.8	<span style="color: yellow;">■</span>
TC4526AM	90°	2.5	0.5	1.0	<span style="color: yellow;">■</span>
TC4530AM	90°	3.0	0.5	1.0	<span style="color: yellow;">■</span>
TC4535AM	90°	3.5	0.5	1.2	<span style="color: yellow;">■</span>
TC4540AM	90°	4.0	0.5	1.2	<span style="color: yellow;">■</span>
TC4545AM	90°	4.5	0.5	1.5	<span style="color: yellow;">■</span>
TC4550AM	90°	5.0	0.5	1.5	<span style="color: yellow;">■</span>
TC4555AM	90°	5.5	0.5	1.5	<span style="color: yellow;">■</span>
TC4560AM	90°	6.0	0.5	1.5	<span style="color: yellow;">■</span>
TC4565AM	90°	6.5	0.5	1.5	<span style="color: yellow;">■</span>
TC4570AM	90°	7.0	0.5	1.5	<span style="color: yellow;">■</span>
TC4575AM	90°	7.5	0.5	1.6	<span style="color: yellow;">■</span>
TC4580AM	90°	8.0	0.5	1.6	<span style="color: yellow;">■</span>



LONGITUD ESTÁNDAR  
STANDARD LEGHT  
415mm  
835mm

**Kn/m**  
**1000**

T=ESPESSOR MÁX.  
T=MAX. THICKNESS

# ARMARIO DE ÚTILES / TOOLING CABINETS

## Leyenda / Description

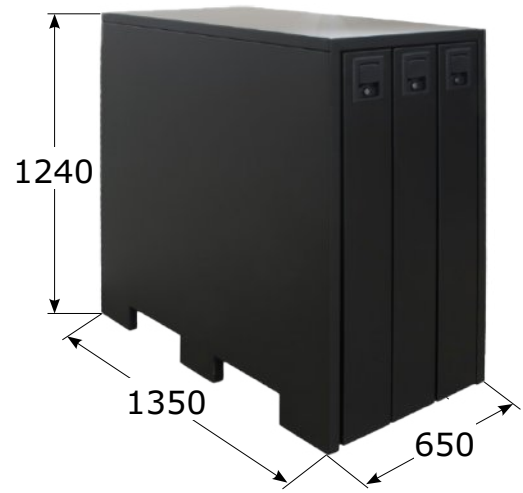
- L** Máx. longitud del útil en mm.
- L** Máx. length tool in mm.
- N** N° máx. de útiles
- N** N° max. tools
- W** Peso en Kg.
- W** Weigth in Kg.

OTROS COLORES BAJO PEDIDO  
OTHER COLORS ON DEMAND



Code	L	N	W
TC4652TR	1100	55	450

Code	L	N	W
TC4653TR	1100	30	300



**Estos modelos de armarios de útiles son compatibles con los tipos**

*These tooling cabinets are compatible with type*

**Bystronic / LVD / Trumpf**



# PUNZONES / PUNCHES

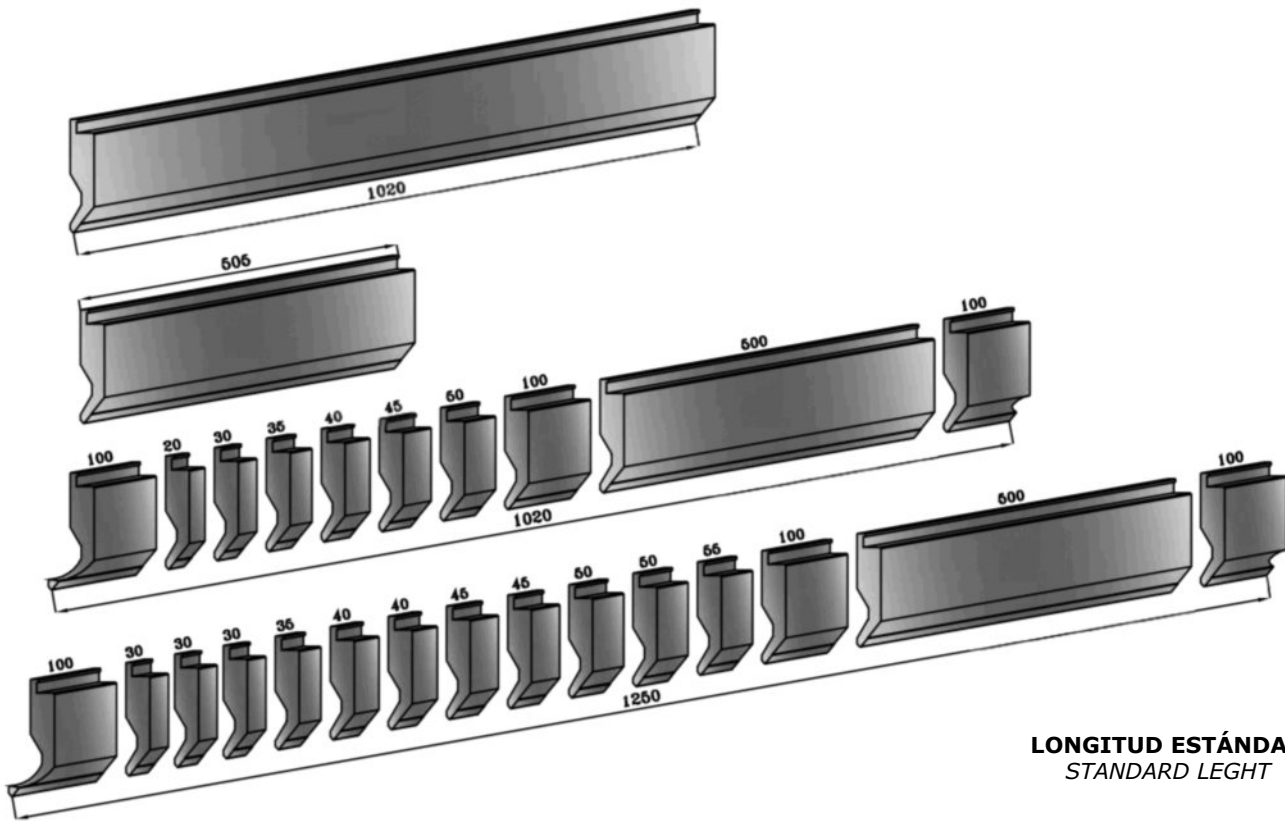
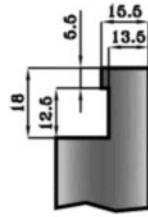
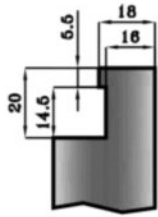
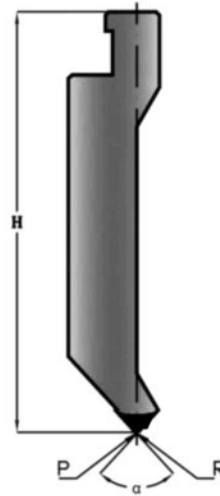
LOS PUNZONES ESTÁNDAR ESTAN DISPONIBLES EN LARGOS 1020mm, 505mm Y FRACCIONADO DE 1020mm, 1250mm  
 STANDARD PUNCHES ARE AVAILABLE LENGTHS IN 1020mm, 505mm AND 1020mm, 1250mm SEGMENTATION

## LEYENDA / DESCRIPTION

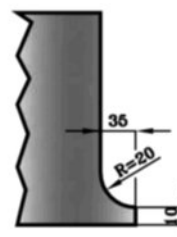
**H** = ALTURA PUNZÓN / PUNCH HEIGHT

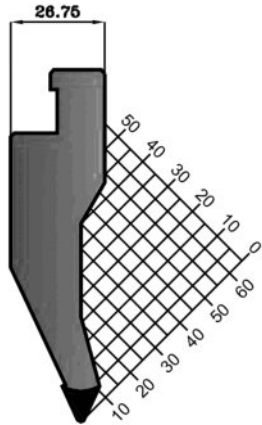
**$\alpha$**  = ÁNGULO PUNZÓN / PUNCH DEGREE

**R** = RADIO PUNZÓN / PUNCH RADIUS

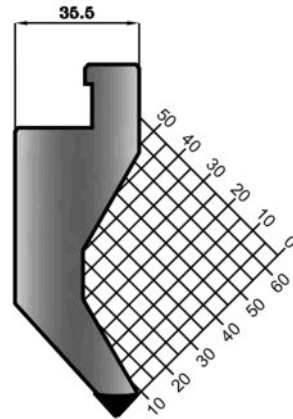


## Bigornia estándar Horn Type:

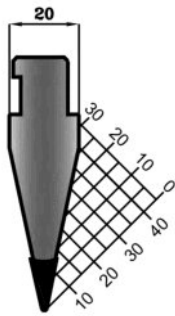




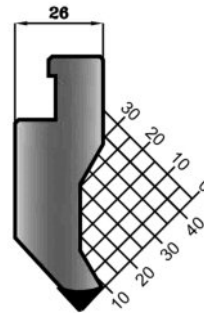
COD	EQV.	$\alpha$	R	H	MAX Tn/mt
15.100		50°	1.00	100.00	100



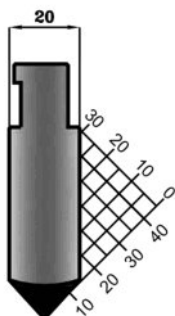
COD	EQV.	$\alpha$	P	H	MAX Tn/mt
15.101	U-14401	90°	0.80	100.00	100
15.102		88°	0.80	100.00	100
15.103		85°	0.70	100.00	100



COD	EQV.	$\alpha$	R	H	MAX Tn/mt
10.104	U-14418	24°	0.60	72.00	80



COD	EQV.	$\alpha$	P	H	MAX Tn/mt
15.105	U-14411	90°	0.80	72.00	80
15.106		88°	0.80	72.00	80
15.107	U-14412	85°	0.70	72.00	80

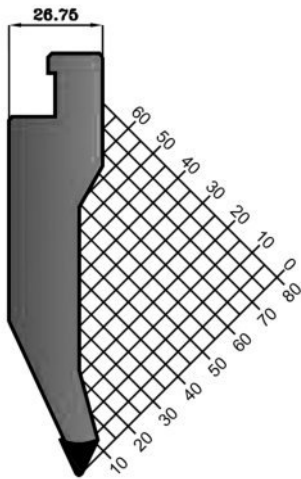


COD	EQV.	$\alpha$	P	H	MAX Tn/mt
15.108		90°	0.80	72.00	80
15.126		88°	0.80	72.00	80
15.127	U-14420	85°	0.70	72.00	80

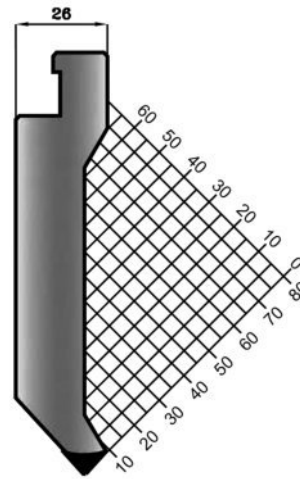


COD	EQV.	$\alpha$	P	H	MAX Tn/mt
15.109	U-14419	180°	20	82.00	100

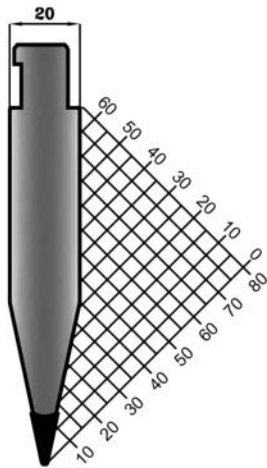




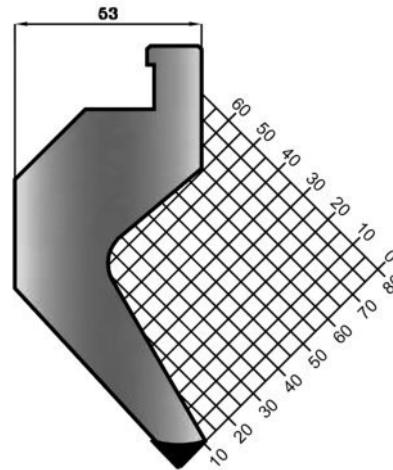
COD	EQV.	$\alpha$	R	H	MAX Tn/mt
15.110	U-14697	50°	1.00	120.00	100



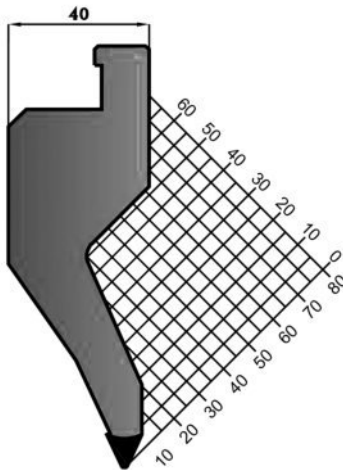
COD	EQV.	$\alpha$	P	H	MAX Tn/mt
15.111	U-14715	90°	0.80	120.00	80
15.112		88°	0.80	120.00	80
15.113	U-14716	85°	0.70	120.00	80



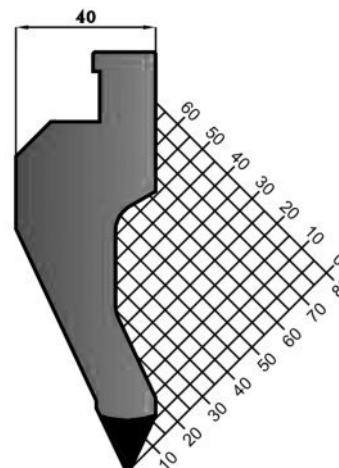
COD	EQV.	$\alpha$	R	H	MAX Tn/mt
15.114	U-14526	24°	0.60	120.00	100



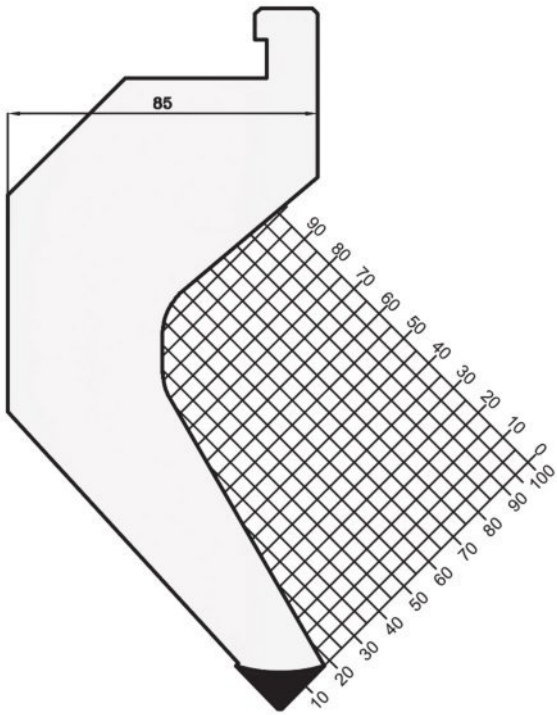
COD	EQV.	$\alpha$	P	H	MAX Tn/mt
15.115	U-14515	90°	0.80	120.00	80
15.116		88°	0.80	120.00	80
15.117	U-14516	85°	0.70	120.00	80



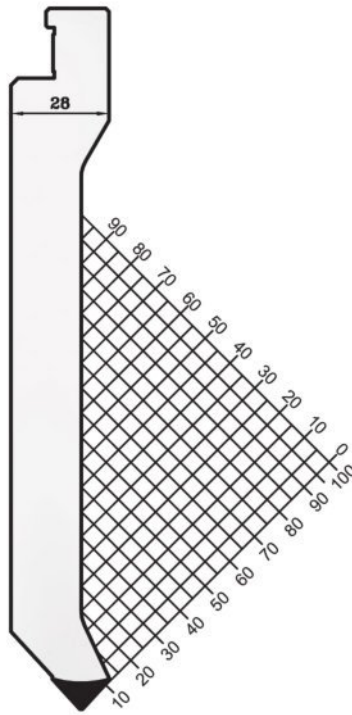
COD	EQV.	$\alpha$	R	H	MAX Tn/mt
15.118	U-14705	50°	1.00	120.00	80



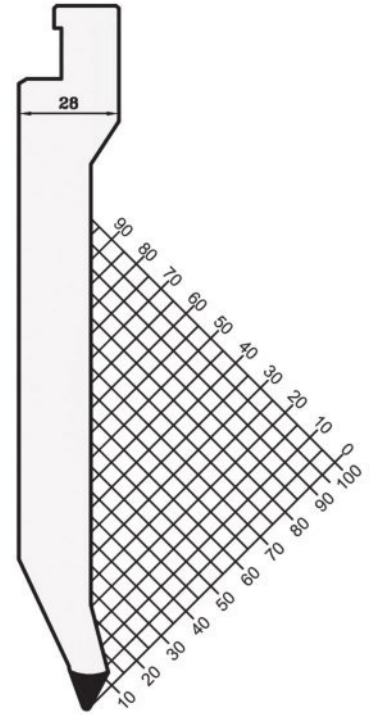
COD	EQV.	$\alpha$	R	H	MAX Tn/mt
15.119		50°	1.00	120.00	100



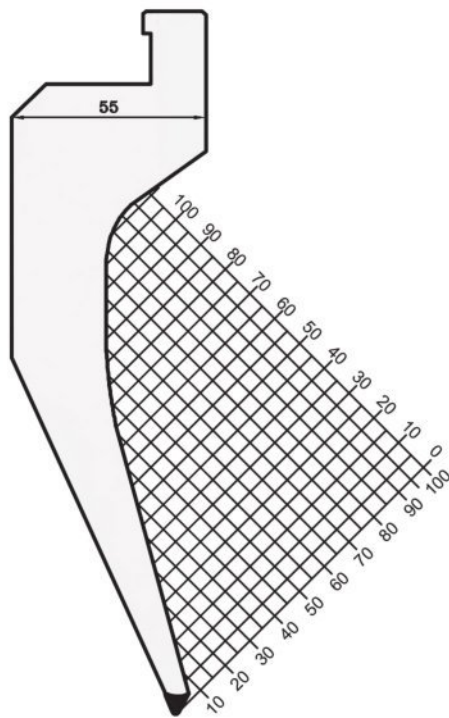
COD	EQV.	$\alpha$	P	H	MAX Tn/mt
15.120		85°	0.70	200.00	100



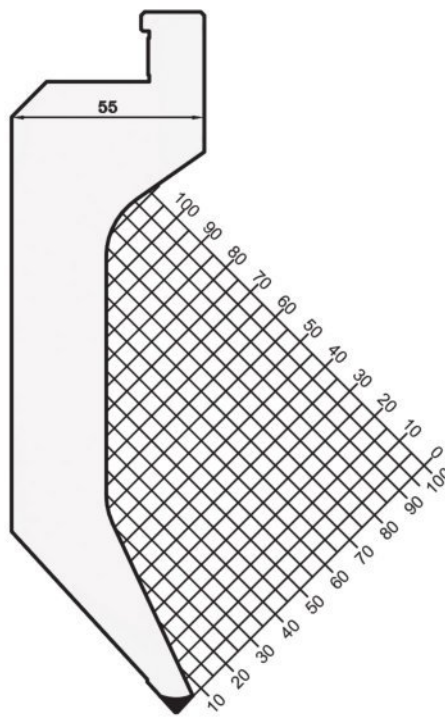
COD	EQV.	$\alpha$	P	H	MAX Tn/mt
15.121		85°	0.70	200.00	100



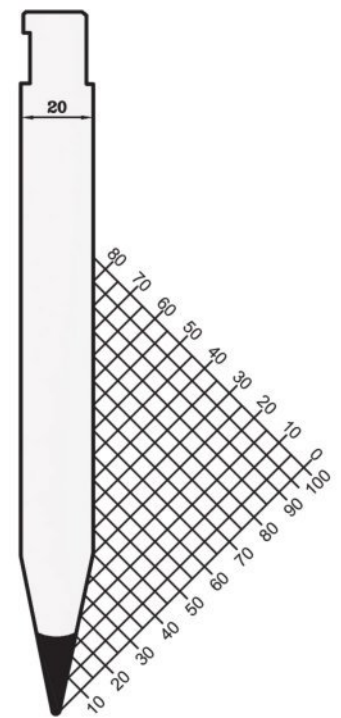
COD	EQV.	$\alpha$	R	H	MAX Tn/mt
15.122	U-14700	50°	1.00	200.00	100



COD	EQV.	$\alpha$	R	H	MAX Tn/mt
15.123		50°	1.00	200.00	100



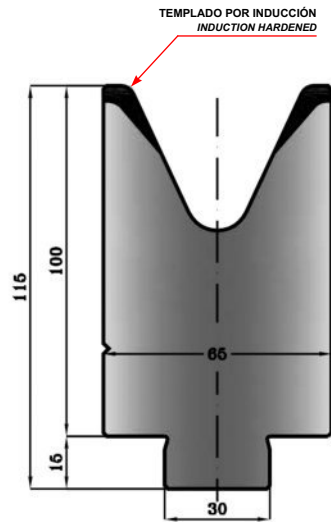
COD	EQV.	$\alpha$	P	H	MAX Tn/mt
15.124		85°	0.70	200.00	100



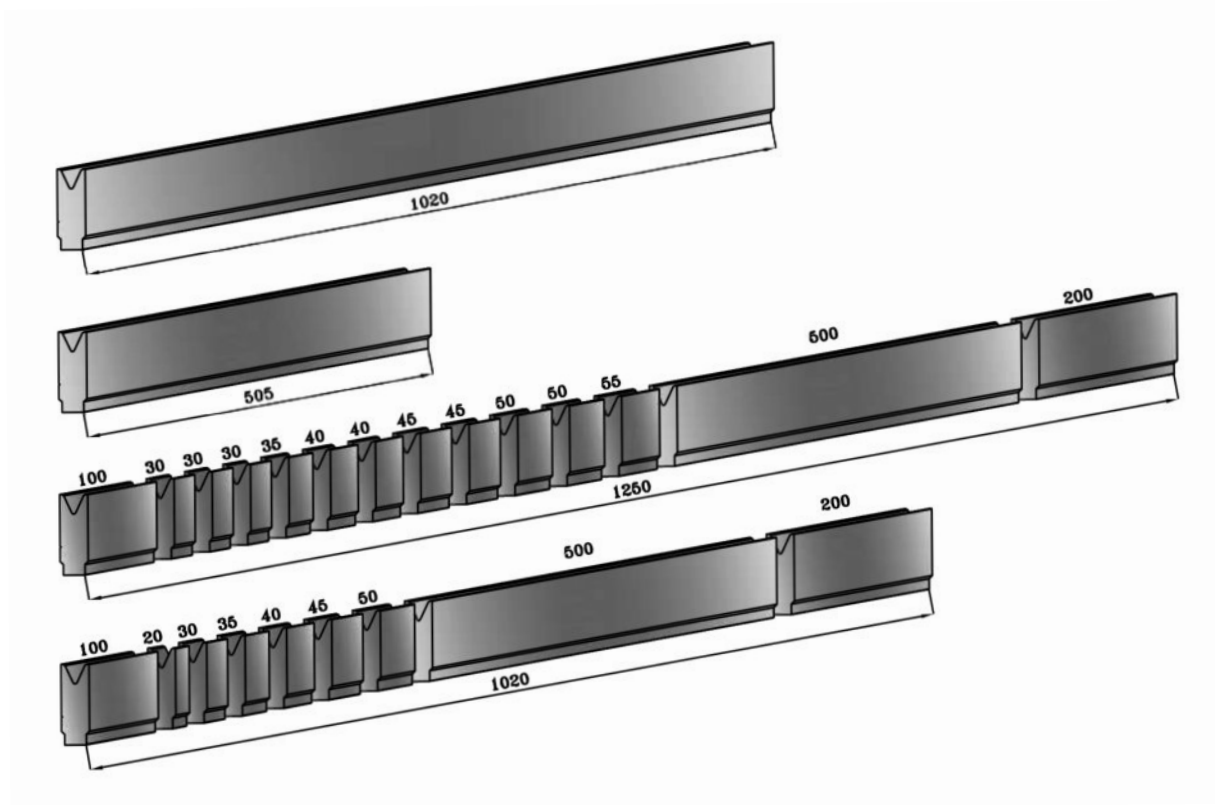
COD	EQV.	$\alpha$	R	H	MAX Tn/mt
15.125		24°	1.00	200.00	100

# MATRICES / DIES

LAS MATRICES ESTÁNDAR ESTAN DISPONIBLES EN LARGOS 1020mm, 505mm Y FRACCIONADO DE 1020mm, 1250mm  
STANDARD DIES ARE AVAILABLE LENGTHS IN 1020mm, 505mm AND 1020mm, 1250mm SEGMENTATION



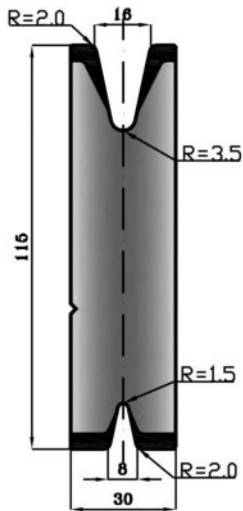
LONGITUD ESTÁNDAR  
STANDARD LENGTH



GOLLY / AJIAL®

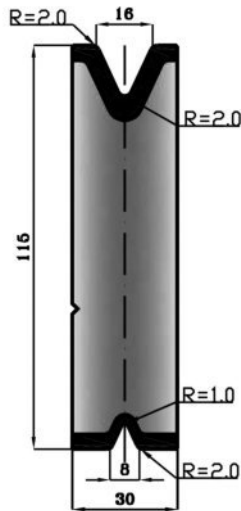
**COD 26.100**

$\alpha 24^\circ$  | Max. Tn/mt 50



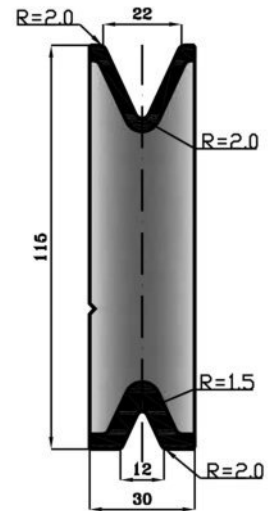
**COD 26.101**

$\alpha 50^\circ$  | Max. Tn/mt 50



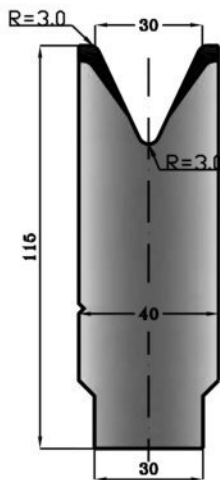
**COD 26.102**

$\alpha 50^\circ$  | Max. Tn/mt 50



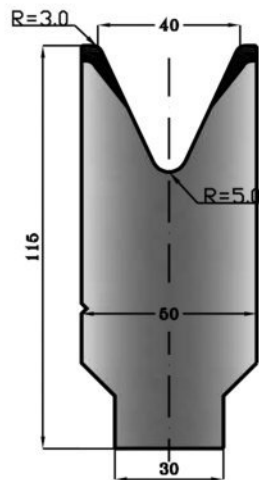
**COD 26.103**

$\alpha 50^\circ$  | Max. Tn/mt 50



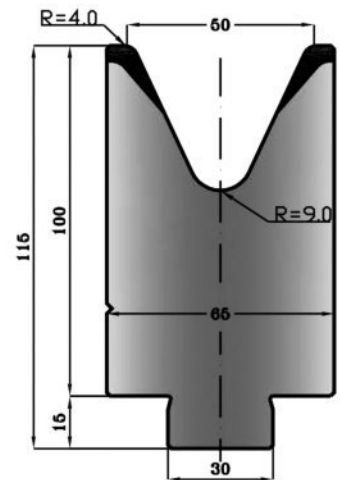
**COD 26.104**

$\alpha 50^\circ$  | Max. Tn/mt 50



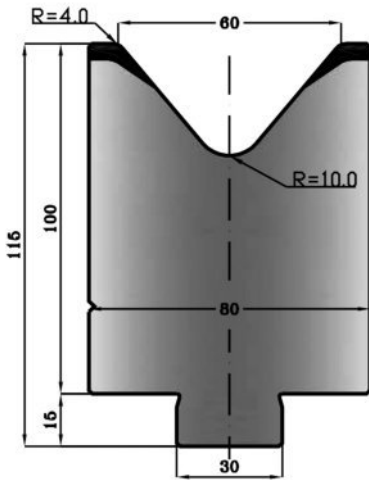
**COD 26.105**

$\alpha 50^\circ$  | Max. Tn/mt 50



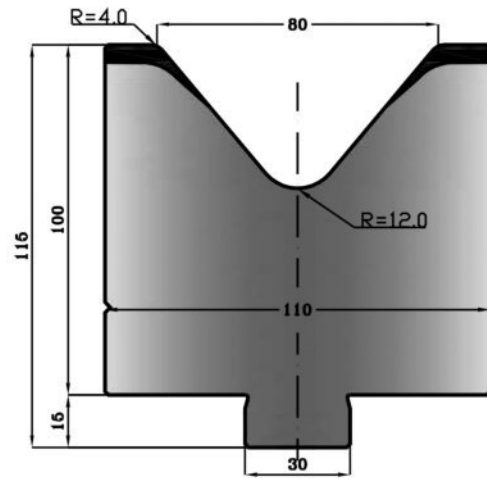
**COD 26.106**

$\alpha 80^\circ$  | Max. Tn/mt 50



**COD 26.107**

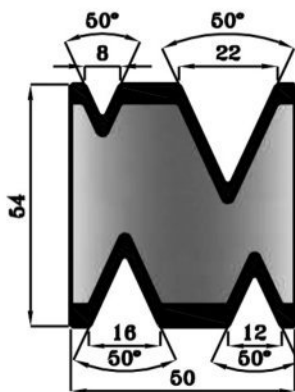
$\alpha 80^\circ$  | Max. Tn/mt 50



**COD 26.109**

EQV. U-14767

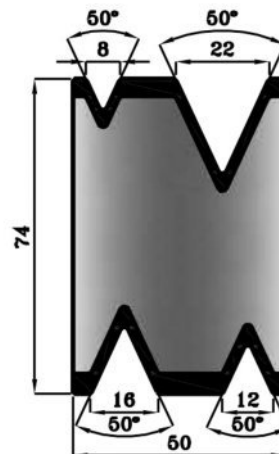
$\alpha 50^\circ$  | Max. Tn/mt 50



**COD 26.110**

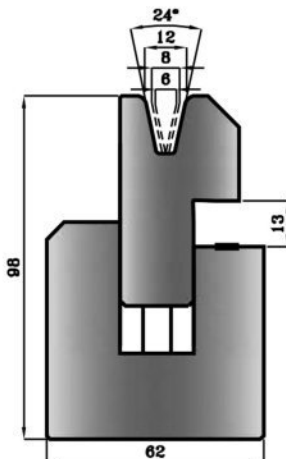
EQV. U-14768

$\alpha 50^\circ$  | Max. Tn/mt 50



**COD 26.108**

$\alpha 24^\circ$  | Max. Tn/mt 50



Material ~ 40Kg/mm<sup>2</sup>

S (mm)	Tn/mt	A(mm)	Tn/mt	2S (mm)
0.6	9	3	23	1.2
0.8	12	3	32	1.6
1.0	15	3.5	40	2.0
1.25	17	3.5	50	2.5
1.5	22	4.6	63	3.0
2.0	30	5.5	80	4.0
2.5	55	6.5	90	5.0
3.0	70	8.0	100	6.0

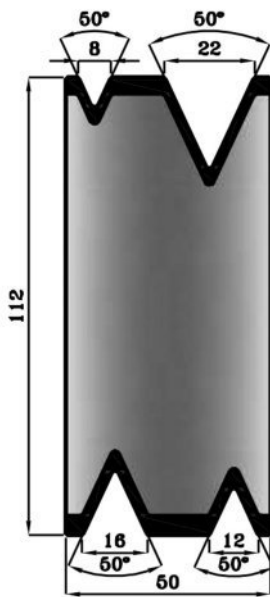
Material ~ 70Kg/mm<sup>2</sup>

S (mm)	Tn/mt	A(mm)	Tn/mt	2S (mm)
0.6	15	3	35	1.2
0.8	20	3	50	1.6
1.0	25	3.5	60	2.0
1.25	26	3.5	80	2.5
1.5	38	4.6	95	3.0
2.0	50	5.5	130	4.0

COD 26.112

EQV. U-14770

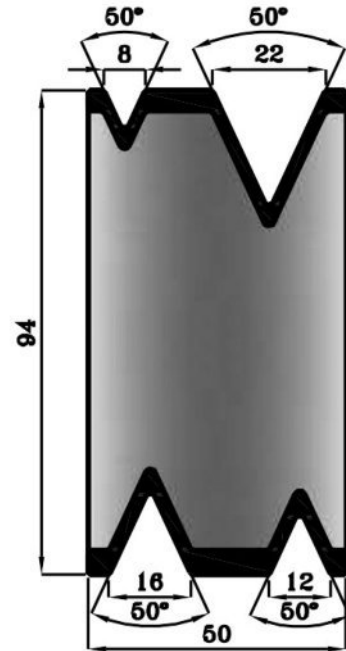
$\alpha 50^\circ$  | Max. Tn/mt 50



COD 26.111

EQV. U-14769

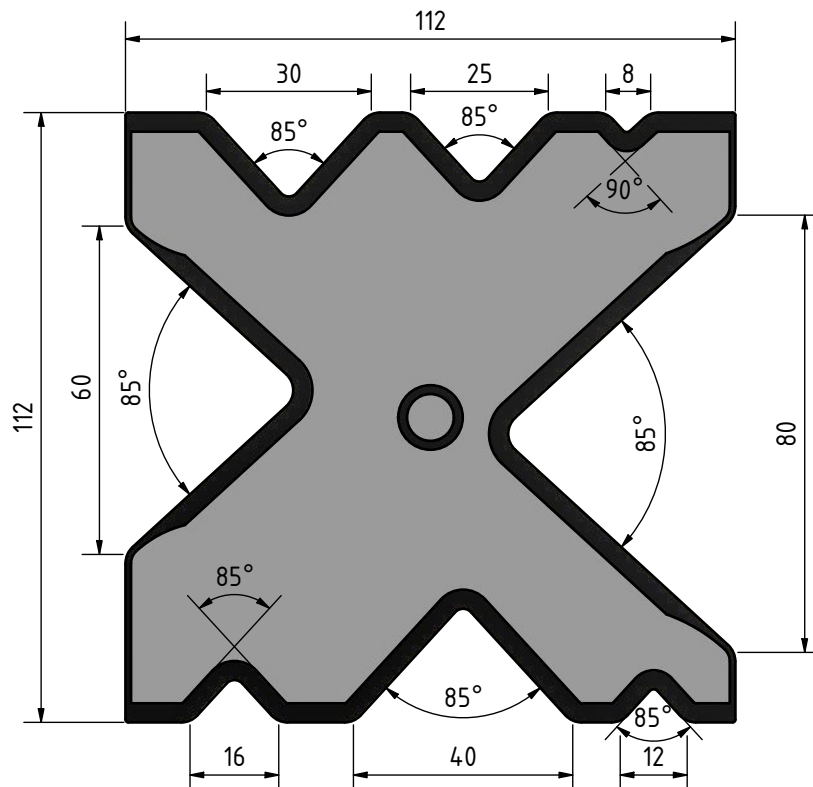
$\alpha 50^\circ$  | Max. Tn/mt 50



COD 26.115

EQV. U-14518

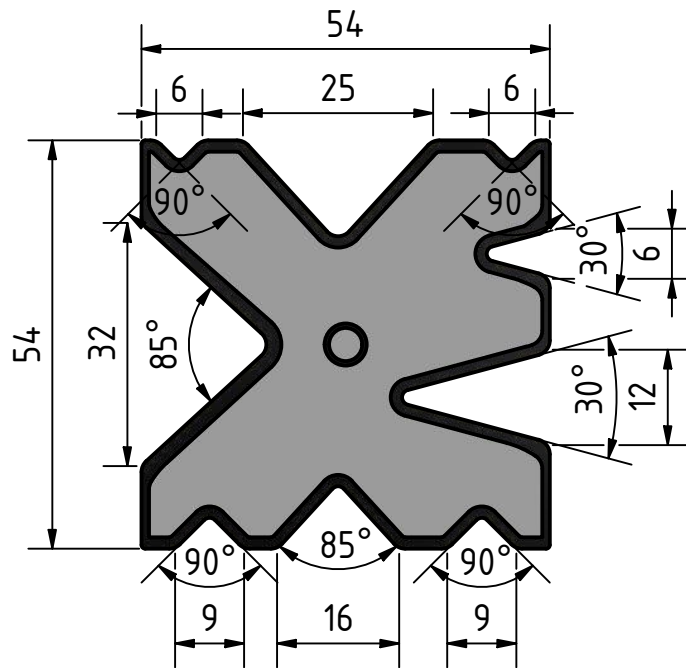
$\alpha 90^\circ \alpha 85^\circ$  | Max. Tn/mt 50



COD 26.113

EQV. U-14319

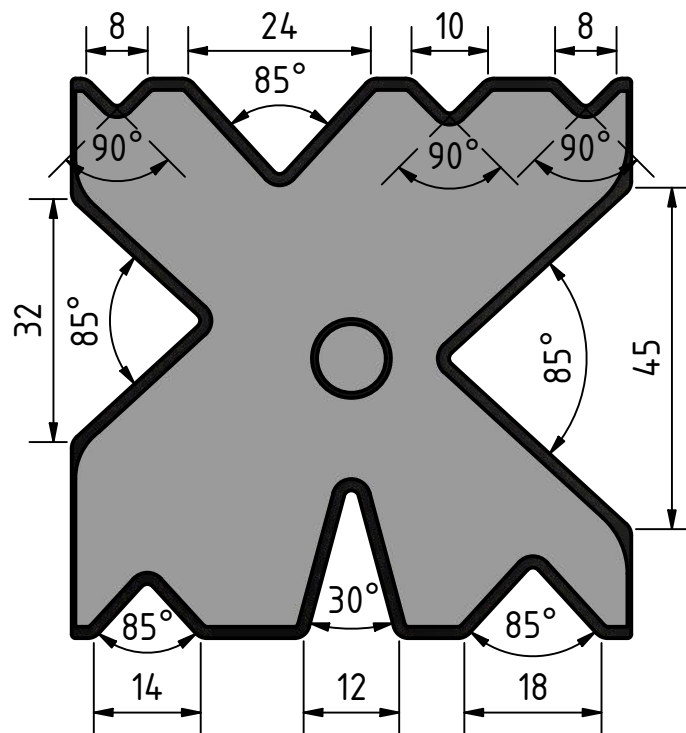
$\alpha 90^\circ \alpha 85^\circ \alpha 30^\circ$  | Max. Tn/mt 50



COD 26.114

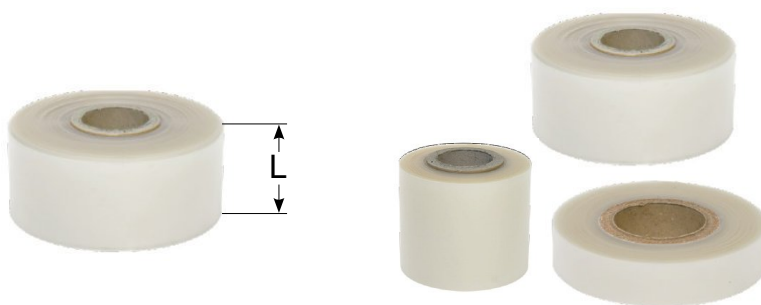
EQV. U-14318

$\alpha 90^\circ \alpha 85^\circ \alpha 30^\circ$  | Max. Tn/mt 50



LEYENDA / DESCRIPTION

<b>L</b> = ANCHURA / WIDTH
<b>S</b> = ESPESOR DE PELÍCULA / FILM THICKNESS
<b>T</b> = ESPESOR DE CHAPA / SHEET THICKNESS



**Code** **L** **S**  
**BROCOFILM 100 0.5**



**Code** **L** **S**  
**TC4810AP 95 0.8**



TABLA DE PLEGADO / BENDING CHART

Code	S (mm)	T (mm)
TC4810AP	0.8	1 - 3
TC4815AP	0.3	0.2 - 1
TC4820AP	0.5	0.5 - 1.5
TC4830AP	0.5	0.5 - 1.5
TC4835AP	1.5	2 - 4
TC4840AP	0.5	0.5 - 1.5
TC4845AP	2.0	3 - 6

**Longitud disponible:**  
 Available length:  
 30 m

**Code** **L** **S**  
**TC4815AP 95 0.3**



**Longitud disponible:**  
 Available length:  
 33 m

**Code** **L** **S**  
**TC4820AP 95 0.5**



**Code** **L** **S**  
**TC4830AP 35 0.5**



**Longitud disponible:**  
 Available length:  
 33 m

**Code** **L** **S**  
**TC4835AP 200 1.5**



**Longitud disponible:**  
 Available length:  
 33 m

**Code** **L** **S**  
**TC4840AP 150 0.5**



**Longitud disponible:**  
 Available length:  
 33 m

**Code** **L** **S**  
**TC4845AP 250 2**



**Longitud disponible:**  
 Available length:  
 15 m

**Longitud disponible:**  
 Available length:  
 33 m

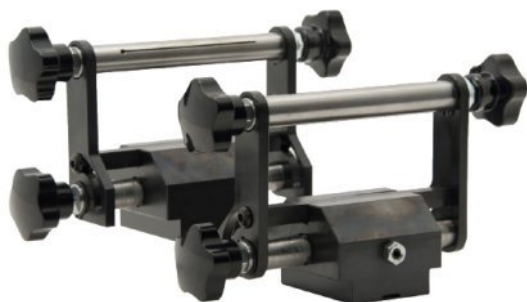
**Longitud disponible:**  
 Available length:  
 10 m



# Soportes para película de poliuretano / Film Holder

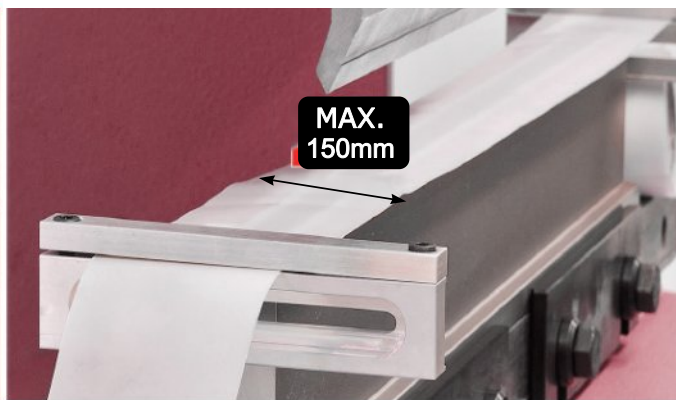
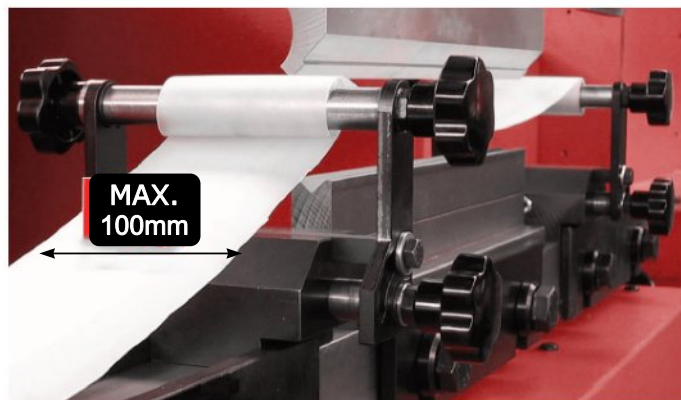
**Code**  
**TC4800TP**

**Sistema estándar**  
*Standard System*



**Code**  
**TC4850TP**

**Sistema magnético**  
*Magnetic System*



## Accesorios para todas las plegadoras / accessories for all press brake

**Code**  
**TC4740AC**



**Brazo magnético de escuadrado 0° - 90°**  
**Izquierda**  
*Magnetic squaring arm 0° - 90°*  
*Left*

**Code**  
**TC4745AC**



**Brazo magnético de escuadrado 0° - 90°**  
**Derecha**  
*Magnetic squaring arm 0° - 90°*  
*Right*

**Code**  
**TC4660AC**



**Brazo estándar fija 90°**  
*Standard not adjustable squaring*  
*90°*

**Code**  
**TC4700AC**



**Brazo de escuadrado estándar**  
**ajustable 60° - 120°**  
*Adjustable squaring arm*  
*60° - 120°*

**Code**  
**TC4750AC**



**Brazo magnético de escuadrado**  
**30° - 90°**  
*Magnetic squaring arm*  
*30° - 90°*





*Solutions for Metalworking*

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**AMADA PROMECAM<sup>®</sup> system**

**TRUMPF<sup>®</sup> system**

**BYSTRONIC<sup>®</sup> system**

**LVD<sup>®</sup> system**

**WILA<sup>®</sup> system**

**COLLY<sup>®</sup> AJIAL<sup>®</sup> AXIAL<sup>®</sup> system**

**ACCESORIOS**

**Tlf. +34 934 228 023**  
**[info@tcpunzones.com](mailto:info@tcpunzones.com)**

