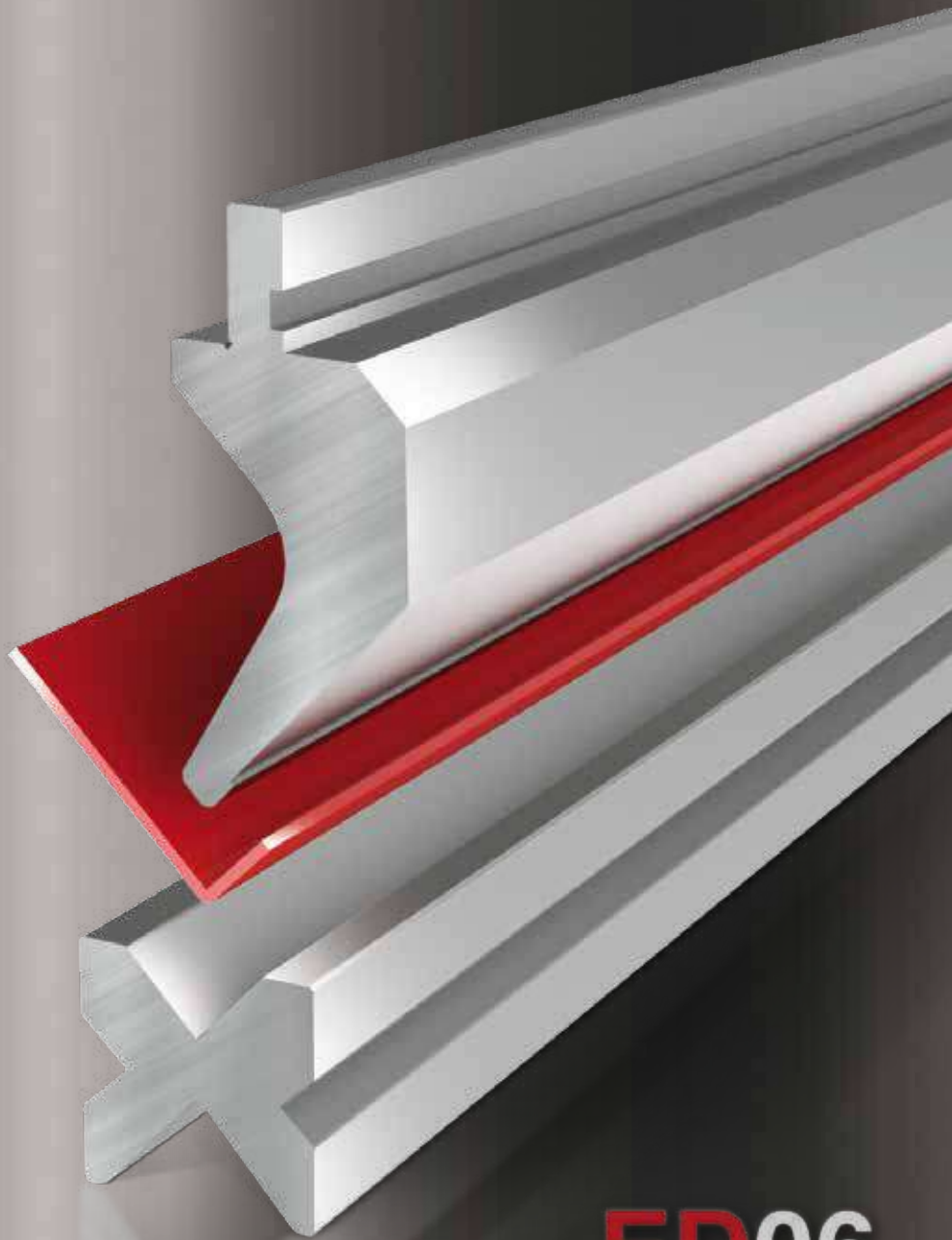


MECOS

DEFORMACIÓN DEL METAL



ED06

UTENSILI PER PRESSE PIEGATRICI



TOOLING FOR PRESS BRAKES



UTILLAJE PARA PLEGADORA



UTILLAJE PARA DOBRADEIRAS



OUTILS POUR PRESSE PLIEUSE



WERKZEUGE FÜR ABKANTPRESSEN



RED LINE

UTILLAJE TIPO AMADA - PROMECAM

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EXPERIENCE & INNOVATION



Da più di 30 anni mettiamo la nostra esperienza al servizio del cliente, progettando e producendo utensili per tutti i tipi di presse piegatrici e cesoie. I prodotti Tecnostamp vengono interamente progettati e costruiti in Italia e commercializzati in tutto il mondo; la nostra azienda offre anche un efficiente servizio post-vendita garantito dalla competenza dei nostri tecnici e dall'assistenza telefonica dell'ufficio commerciale.



For over 30 years Tecnostamp designs and produces tools for all types of press brakes and shears, offering its experience to meet customer requirements. Tecnostamp products are fully designed and produced in Italy and they are sold worldwide; our company also offers an efficient after sales service guaranteed by the experience of our technicians and by the helpline of our sales department.



De más de 30 años, empleamos nuestra experiencia al servicio del cliente, proyectando y produciendo utillajes para todo tipo de prensas plegadoras y cizalladura. Tecnostamp produce en su propia fabrica todos los productos y comercializa en todo el mundo; nuestra empresa también ofrece un servicio post-venta eficiente garantizado por la experiencia de nuestros técnicos y la asistencia telefónica de oficina comercial.



Há mais de 30 anos que colocámos a nossa experiência ao serviço do cliente, projetando e produzindo ferramentas para todos de tipos de quinadoras/dobradeiras e fesoura. Os produtos Tecnostamp são inteiramente projetados e construídos em Itália e comercializados em todo o mundo; a nossa empresa também oferece um serviço pós-venda eficiente garantido pela experiência dos nossos técnicos e pela assistência telefónica de nosso escritório de vendas.



Depuis plus de 30 ans, nous mettons notre expérience au service de la clientèle, avec la conception et la production d'outils pour presses plieuses et cisailles. Les produits Tecnostamp sont entièrement conçus et fabriqués en Italie et vendus dans le monde; notre entreprise offre un service après-vente garanti par la compétence de nos techniciens et l'assistance téléphonique de notre bureau commercial.



Seit mehr als 30 Jahren setzt Tecnostamp seine Erfahrung in der Kundenbetreuung, Entwicklung und der Herstellung von Abkantwerkzeuge für alle Typen von Abkantpressen ein und scher. Unsere Produkte werden komplett in Italien entworfen, hergestellt und weltweit verkauft. Unser Unternehmen bietet Ihnen auch einen effizienten After-Sales-Service durch das Know-How unserer Techniker und die Hotline unseres Vertriebsbüros.



OUR PRODUCT LINES



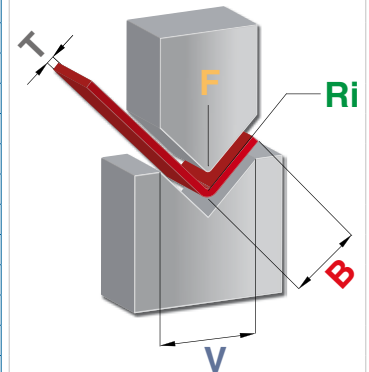
TABELLA DI PIEGATURA - BENDING CHART

FORZA NECESSARIA PER PIEGA A 90° IN ARIA DI LAMIERA CON RESISTENZA
 FORCE REQUIRED FOR 90° AIR BENDING, SHEET RESISTANCE
 FUERZA NECESARIA PARA PLEGAR A 90° CON LA RESISTENCIA
 FORÇA NECESSÁRIA PARA QUINAR/DOBRAR NO AR A 90° COM RESISTÊNCIA
 FORCE NÉCESSAIRE POUR LE PLIAGE EN L'AIR À 90 ° AVEC RÉSISTANCE
 ERFORDERLICHE PRESSKRAFT FÜR 90° FREIBIEGEN, ZUGFESTIGKEIT



R=45 Kg/mmq

T	6	8	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	V
mm	4	5.5	7	8.5	11	14	17.5	22	28	35	45	55	71	89	113	140	175	B
	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	17	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	96	78	60			
15												188	150	120	95	75		F
20													270	215	170	135	108	t/m



SPESSORE LAMIERA IN MM - THICKNESS OF THE SHEET IN MM - ESPESOR DE CHAPA MM ESPESSURA DA CHAPA EM MM - ÉPAISSEUR DE TÔLE EN MM - MATERIALDICKE IN MM	T
FORZA IN TON /METRO - FORCE IN TON /METER - FUERZA TON/METRO FORÇA TON/METRO - FORCE EN TON/METRE - PRESSKRAFT IN T/M	F
RAGGIO INTERNO - INSIDE RADIUS - RADIO INTERIOR - RAO INTERNO - RAYON INTÉRIEUR - INNENRADIUS	Ri
BORDO MINIMO POSSIBILE - MINIMUM FLANGE LENGHT - ALA MINIMA ABA MINIMA - BORD MINI POSSIBLE - KÜRZESTE SCHENKELLANGE	B
LARGHEZZA DEL V - V-OPENING - APERTURA MATRIZ - ABERTURA DO V - LARGEUR DU VE - MATRIZENÖFFNUNGSWEITE V	V

CALCOLO DELLA FORZA PER PIEGA IN ARIA	$F = \frac{T^2 \times 2 \times R}{1.4 \times V} = \dots\dots\dots \text{Tons/mt}$
CALCULATION OF FORCE FOR AIR BENDING	
CÁLCULO DE LA FUERZA DE PLEGADO AL AIRE	
CÁLCULO DE FORÇA DA QUINAGEM/DOBRA NO AR	
CALCUL DE LA FORCE POUR PLIAGE EN L'AIR	
BESTIMMUNG DER PRESSKRAFT	

ALLUMINIO - ALUMINIUM - ALUMINIO - ALUMINIO - ALUMINIUM - ALUMINIUM	R=20-25 KG/MMQ
ACCIAO DOLCE - MILD STEEL - ACERO - AÇO - ACIER - STAHL	R=40-45 KG/MMQ
INOX - STAINLESS STEEL - INOX - INOX - ACIER INOXYDABLE - EDELSTAHL	R=65-70 KG/MMQ

RAPPORTO TRA SPESSORE DI LAMIERA E AMPIEZZA DEL V - SHEET THICKNESS / V- WIDTH				
CHAPA ESPESOR / ANCHO V - ESPESSURA DA CHAPA / LARGURA V				
RAPPORT ÉPAISSEUR DE TÔLE / LARGEUR DU VE - MATERIALDICKE / MATRIZENÖFFNUNGSWEITE V				
SPESSORE LAMIERA (mm) - SHEET THICKNESS (mm) - ESPESOR DE CHAPA (mm) ESPESSURA DA CHAPA (mm) - ÉPAISSEUR DE TÔLE (mm) - MATERIALDICKE (mm)	0.5 - 2.5	3 - 8	9 - 10	12 OR MORE
AMPIEZZA DEL V (mm) - V - WIDTH (mm) - ANCHO V (mm) LARGURA V (mm) - LARGEUR DU VE (mm) - MATRIZENÖFFNUNGSWEITE V (mm)	6 T	8 T	10 T	12 T

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TRATTAMENTI TERMICI E TIPO DI MATERIALE - HARDENED TREATMENT AND TYPE OF MATERIAL

TRATTAMENTI TERMICI - HARDENED TREATMENT - TRATAMIENTOS ENDURECIDOS - TRATAMENTOS TÉRMICOS - TRAITEMENTS THERMIQUES - HÄRTEBEHANDLUNG

GLI UTENSILI STANDARD E SPECIALI SONO TEMPRATI AD INDUZIONE SULLE PARTI USURABILI A 52-55 HRC.

THE STANDARD AND SPECIAL TOOLS ARE INDUCTION HARDENED TO 52-55 HRC ON WEAR PARTS.

LAS HERRAMIENTAS ESTÁNDAR Y ESPECIALES VIENEN TEMPLADAS POR INDUCCIÓN DE 52-55 HRC EN PIEZAS DE DESGASTE.

AS FERRAMENTAS STANDARD E ESPECIAIS SÃO TEMPERADAS POR INDUÇÃO 52-55 HRC NA ZONA DE DESGASTE.

LES OUTILS STANDARDS ET SPÉCIAUX SONT TREMPÉS PAR INDUCTION À 52-55 HRC SUR LES PARTIES TRAVAILLANTES.

DIE VERSCHLEISSTEILE DER STANDARD UND SONDERWERKZEUGE SIND INDUKTIV AUF 52-55HRC GEHÄRTET.

TRATTAMENTI ANTIUSURA - ANTIWEAR TREATMENT - TRATAMIENTOS ANTI-DESGASTE - TRATAMENTOS ANTI-DESGASTE - TRAITEMENTS ANTI-USURE - BEHANDLUNG FÜR VERSCHLEISSCHUTZ

A RICHIESTA DEL CLIENTE, SUGLI UTENSILI COSTRUITI IN 42CRM04, PUÒ ESSERE FATTO UN TRATTAMENTO ANTIUSURA DI NITRURAZIONE.

ON REQUEST ON THE TOOLING IN 42CRM04 TECNOSTAMP CAN MAKE AN ANTIWEAR-NITRIDING TREATMENT.

OPCIONALMENTE, AL UTILLAJE EN 42CRM04, SE LE PUEDE HACER UN TRATAMIENTO ANTI-DESGASTE – NITRURACIÓN.

A PEDIDO DO CLIENTE EM FERRAMENTAS FABRICADAS EM 42CRM04, TECNOSTAMP PODE FAZER UM TRATAMENTO DE NITRETAÇÃO ANTI-DESGASTE.

SUR DEMANDE LES OUTILS EN 42CRM04 PEUVENT SUBIR UN TRAITEMENT ANTI-USURE EN NITRURATION.

AUF ANFRAGE AUF DEM WERKZEUG IN 42CRM04 TECNOSTAMP KANN EINE ANTIWEAR-SCHUTZ - NITRIERBEHANDLUNG ZU MACHEN.

TRATTAMENTI ANTI RUGGINE - RUSTING TREATMENT - TRATAMIENTOS ANTI-OXIDACIÓN - TRATAMENTOS ANTI OXIDACIÓN - TRAITEMENTS ANTIROUILLE - BEHANDLUNG GEGEN ROST

A RICHIESTA DEL CLIENTE SUGLI UTENSILI PUÒ ESSERE FATTO IL TRATTAMENTO ANTI RUGGINE DI ZINCATURA.

AN ANTI RUST-GALVANIZED TREATMENT CAN BE MADE ON TOOLS ON REQUEST.


OPCIONALMENTE, A LOS UTILLAJES SE LES PUEDE DAR UN TRATAMIENTO ANTI-ÓXIDO-GALVANIZADO.


A PEDIDO DO CLIENTE, A TECNOSTAMP PODE FAZER UM TRATAMENTO ANTIFERRUGEM ZINCADO.

SUR DEMANDE UN TRAITEMENT ANTI-ROUILLE PEUT ÊTRE RÉALISÉ EN GALVANISÉ.

AUF ANFRAGE KANN TECNOSTAMP MEINE ANTI-RUST BEHANDLUNG ANBIETEN.

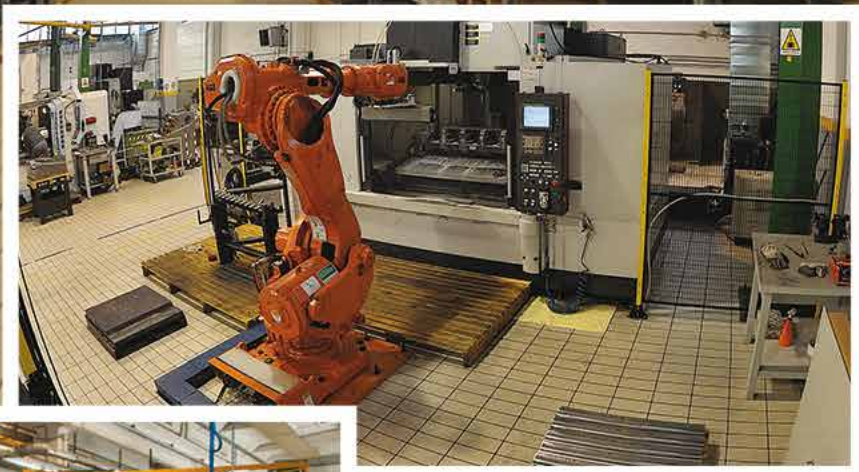
TIPO DI MATERIALE - TYPE OF MATERIAL - TIPO DE MATERIAL UTILIZADO - TIPO DE MATERIAL UTILIZADO - TYPE DE MATÉRIEL - ART DES MATERIALS

 ACCIAIO C45 (UNI EN 10083 W.1. : 1.1191).
STEEL C45 (UNI EN 10083 W.1. : 1.1191).
ACERO C45 (UNI EN 10083 W.1. : 1.1191).
AÇO C45 (UNI EN 10083 W.1. : 1.1191).
ACIER C45 (UNI EN 10083 W.1. : 1.1191).
STAHL C45 (UNI EN 10083 W.1. : 1.1191).

 ACCIAIO C45 (UNI EN 10083 W.1. : 1.1191) TEMPRATO AD INDUZIONE (52/55 HRC) SULLE PARTI USURABILI.
STEEL C45 (UNI EN 10083 W.1. : 1.1191) INDUCTION TEMPERED (52-55 HRC) ON WEAR PARTS.
ACERO C45 (UNI EN 10083 W.1. : 1.1191) TEMPLADO A INDUCCIÓN EN ZONDA DE DESGASTE (52/55 HRC).
AÇO C45 (UNI EN 10083 W.1. : 1.1191) TEMPERADO POR INDUÇÃO NAS ZONAS DE DESGASTE (52-55 HRC).
ACIER C45 (UNI EN 10083 W.1. : 1.1191) TREMPÉ PAR INDUCTION (52-55 HRC) SUR LES PARTIES TRAVAILLANTES.
STAHL C45 (UNI EN 10083 W.1. : 1.1191), VERSCHLEISSTEILE INDUKTIV AUF (52-55HRC) GEHÄRTET.

 ACCIAIO C45 (UNI EN 10083 W.1. : 1.1191) BONIFICATO R=80-85 KG/MMQ TEMPRATO AD INDUZIONE (52/55 HRC) SULLE PARTI USURABILI.
STEEL C45 (UNI EN 10083 W.1. : 1.1191) HARDENED R=80-85 KG/MMQ INDUCTION TEMPERED (52-55 HRC) ON WEAR PARTS.
ACERO C45 (UNI EN 10083 W.1. : 1.1191) BONIFICADO R=80-85 KG/MMQ TEMPLADO A INDUCCIÓN EN ZONDA DE DESGASTE (52/55 HRC).
AÇO C45 (UNI EN 10083 W.1. : 1.1191) BONIFICADO R=80-85 KG/MMQ TEMPERADO POR INDUÇÃO NAS ZONAS DE DESGASTE (52-55 HRC).
ACIER C45 (UNI EN 10083 W.1. : 1.1191) RESISTANCE R = 80-85 KG/MMQ ET TREMPÉ PAR INDUCTION (52-55 HRC) SUR LES PARTIES TRAVAILLANTES.
STAHL C45 (UNI EN 10083 W.1. : 1.1191) VERGÜTET R=80-85 KG/MM2 AN DEN ABNUTZUNGSKANTEN INDUKTIV GEHÄRTET AUF (52/55 HRC).

 ACCIAIO 42CRM04 (UNI EN 10083 W.1. : 1.7225) BONIFICATO R=95-105 KG/MMQ TEMPRATO AD INDUZIONE (52/55 HRC) SULLE PARTI USURABILI.
STEEL 42 CRM04 (UNI EN 10083 W.1. : 1.7225) HARDENED R=95-105 KG/MMQ INDUCTION TEMPERED (52-55 HRC) ON WEAR PART.
ACERO 42CRM04 (UNI EN 10083 W.1. : 1.7225) BONIFICADO R=95-105 KG/MMQ TEMPLADO A INDUCCIÓN EN ZONDA DE DESGASTE (52/55 HRC).
AÇO 42 CRM04 (UNI EN 10083 W.1. : 1.7225) BONIFICADO R=95-105 KG/MMQ TEMPERADO POR INDUÇÃO NAS ZONAS DE DESGASTE (52-55 HRC).
ACIER 42 CRM04 (UNI EN 10083 W.1. : 1.7225) RESISTANCE R=95-105 KG/MMQ ET TREMPÉ PAR INDUCTION (52-55 HRC) SUR LES PARTIES TRAVAILLANTES.
STAHL 42 CRM04 (UNI EN 10083 W.1. : 1.7225) VERGÜTET R=95-105 KG/MM2 AN DEN ABNUTZUNGSKANTEN INDUKTIV GEHÄRTET AUF (52/55 HRC).



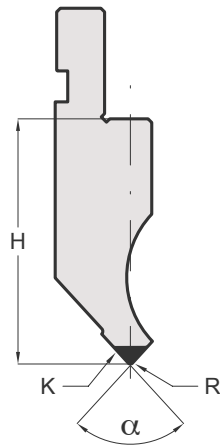
PUNZONI PUNCHES



RED LINE

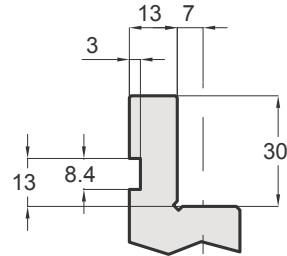
AMADA - PROMECAM STYLE

PUNZONI - PUNCHES - PUNZONES
PUNÇÕES - POINÇONS - OBERWERKZEUGE



CODE

70.946



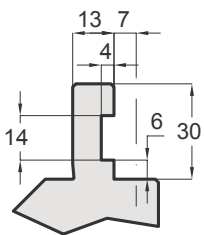
STANDARD

LEGENDA	LEGEND	LEYENDA	LEGENDA	LÉGENDE	LEGENDE
H = ALTEZZA	HEIGHT	ALTURA	ALTURA	HAUTEUR	STEMPELHÖHE
α = ANGOLO	ANGLE	ÁNGULO	ÂNGULO	ANGLE	WINKEL
R = RAGGIO	RADIUS	RADIO	RAIO	RAYON	RADIUS
K = PARTI USURABILI	WEAR PARTS	ZONA DE DESGASTE	ZONA DE DESGASTE	ZONES D'USURE	VERSCHLEISSTEILE

SU RICHIESTA - ON REQUEST - A PETICIÓN - A PEDIDO - SUR DEMANDE - AUF ANFRAGE

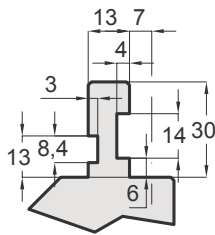
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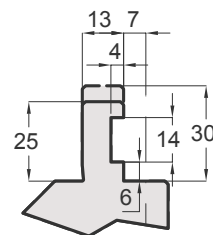
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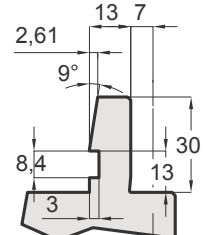
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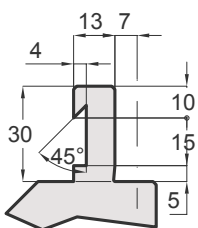
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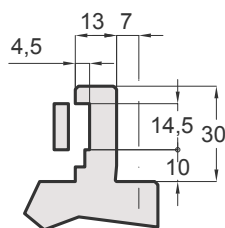
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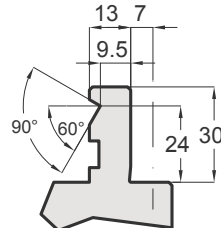
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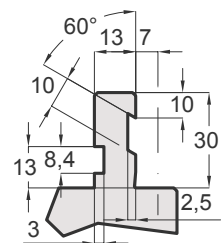
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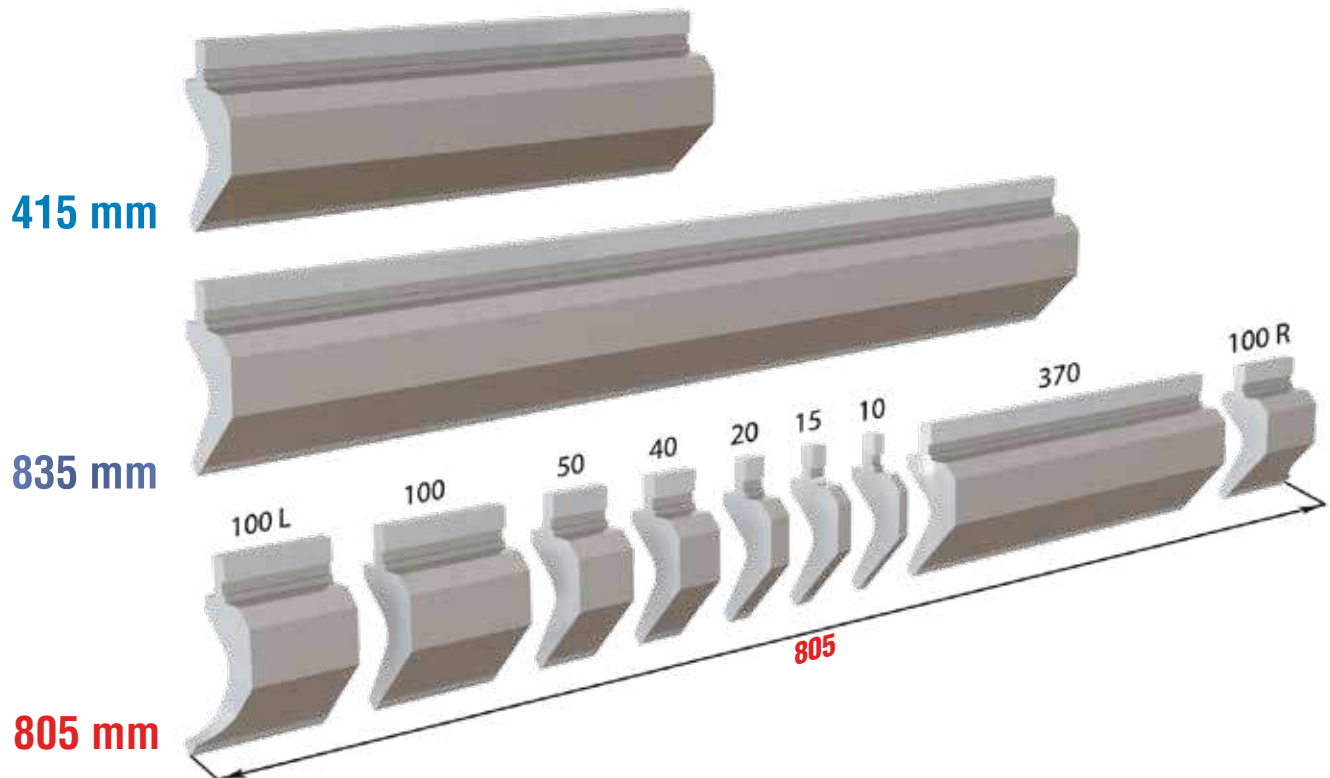
CODE

70.1050



LUNGHEZZE - LENGHTS : 415 mm / 835 mm / 805 mm FRAZ. - SEC.

I PUNZONI STANDARD SONO DISPONIBILI A MAGAZZINO NELLE LUNGHEZZE DI: 415 mm - 835 mm E FRAZIONATI (805 mm)
 THE PUNCHES ARE AVAILABLE IN THE FOLLOWING STANDARD LENGTHS: 415 mm - 835 mm AND SECTIONED (805 mm)
 LOS PUNZONES ESTÁN DISPONIBLES EN STOCK Y EN LONGITUDES DE: 415 mm - 835 mm Y FRACCIONADOS (805 mm)
 OS PUNÇÕES ESTÃO DISPONÍVEIS EM STOCK/ESTOQUE E EM COMPRIMENTOS DE: 415 mm - 835 mm E FRACIONADOS (805 mm)
 LES POINÇONS STANDARD SONT DISPONIBLES EN LONGUEURS: 415 mm - 835 mm ET FRACTIONNÉS (805 mm)
 STANDARD-OBERWERKZEUGE SIND IN DEN FOLGENDEN LÄNGEN AB LAGER ERHÄLTICH: 415 mm - 835 mm UND SEKTIONIERTER LÄNGE (805 mm)



IL CARICO MASSIMO DELLE SCARPETTE CORRISPONDE AL 30% DEL CARICO MASSIMO INDICATO SUL PUNZONE.
 THE FMAX OF THE HORN EXTENSIONS IS 30% OF THE FMAX OF THE PUNCH.
 LA CARGA MÁXIMA EN LA BIGORNIAS, ES EL 30% DEL TONELAJE MÁXIMO INDICADO EN LOS PUNZONES.
 A CARGA MÁXIMA NAS BIGORNAS É DE 30% DA TONELAGEM TOTAL MÁXIMA INDICADA PARA O PUNÇÃO.
 LA FMAX DES BIGORNES REPRÉSENTE 30% DE LA FMAX DU POINÇON.
 DIE FMAX DER HORNSTÜCKE BETRÄGT 30% DER FMAX DES STEMPELS

LENGTH	415	835
SECTION	805	

CODE							
10.142	10.262	10.517	11.235	11.228	11.260	11.800	11.858
10.143	10.264	10.520	11.146	11.230	11.270	11.867	11.861
10.153	10.500	10.626	11.147	11.231	11.275	11.868	11.863
10.155	10.502	10.672	11.148	11.232	11.280	11.840	11.864
10.157	10.504	11.101	11.149	11.233	11.650	11.850	11.865
10.170	10.505	11.106	11.151	11.835	11.660	11.853	11.866
10.174	10.506	11.108	11.200	11.240	11.670	11.855	11.869
10.176	10.510	11.145	11.201	11.257	11.680	11.857	11.870

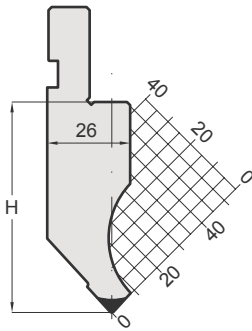
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10.512	11.103	11.258	11.540	11.750	11.830	11.914
10.514	11.104	11.514	11.600	11.780	11.880	11.916

CODE	α	R	H	T/Mt	Mt
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11.145	88°	0.80	66.50	100	■
10.153	88°	0.25	66.50	100	■
11.201	85°	3.00	65.45	100	■
11.200	85°	0.80	66.50	100	■
11.853	85°	0.25	66.50	100	■
11.275	75°	0.80	67.60	100	■

88°

85°

75°

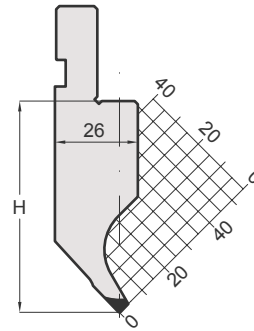


LENGTH | 415 | 835
SECTION | 805 |

CODE	α	R	H	T/Mt	Mt
10.176	88°	0.60	66.74	35	■
10.174	88°	0.25	66.70	35	■
10.170	85°	0.60	66.74	35	■
11.857	85°	0.25	67.00	35	■

88°

85°

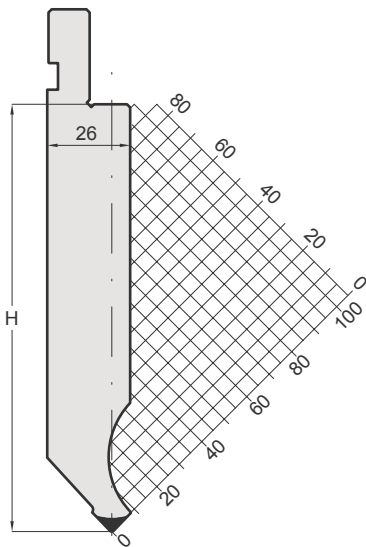


LENGTH | 415 | 835
SECTION | 805 |

CODE	α	R	H	T/Mt	Mt
11.870	88°	0.80	135.00	100	■
11.232	85°	0.80	135.00	100	■

88°

85°

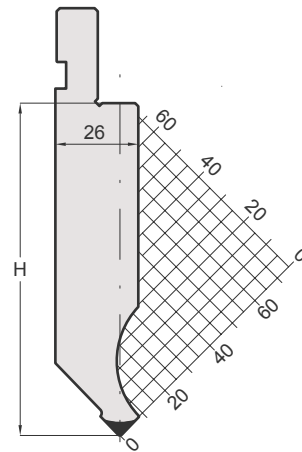


LENGTH | 415 | 835
SECTION | 805 |





CODE	α	R	H	T/Mt	Mt
11.228	88°	0.80	105.00	100	■
11.231	85°	3.00	105.00	100	■
11.230	85°	0.80	105.00	100	■

88°

85°

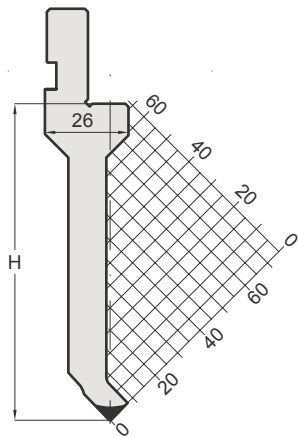


LENGTH | 415 | 835
SECTION | 805 |



CODE	α	R	H	T/Mt	Mt
10.262	88°	0.60	100.00	50	
10.264	88°	0.25	100.00	50	
11.861	85°	0.60	100.00	50	
10.626	85°	0.25	100.00	50	

88°

85°

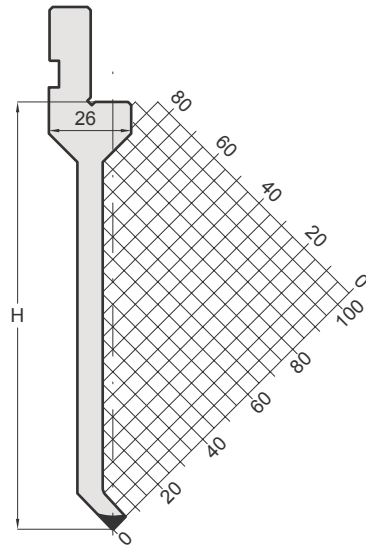


LENGTH | 415 | 835
SECTION | 805 | 




CODE	α	R	H	T/Mt	Mt
11.858	88°	0.60	135.00	40	
11.855	85°	0.60	135.00	40	

88°

85°

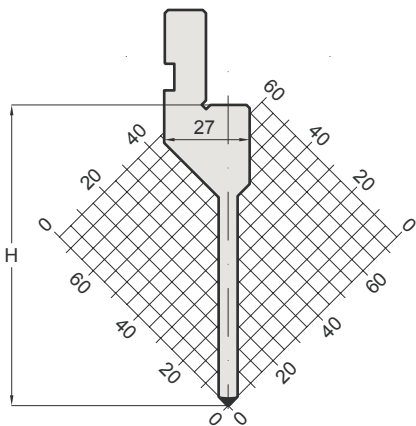


LENGTH | 415 | 835
SECTION | 805 | 



CODE	α	R	H	T/Mt	Mt
11.260	88°	0.60	95.00	50	
11.257	88°	0.25	95.00	50	
11.270	85°	0.60	95.00	50	

88°

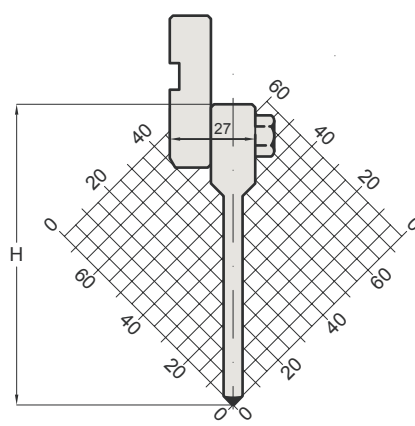
85°



LENGTH | 415 | 835
SECTION | 805 | 

CODE	α	R	H	T/Mt	Mt
10.260	88°	0.60	95.00	50	
10.257	88°	0.25	95.00	50	

88°



LENGTH | 415 | 835


NON FRAZIONABILE
NOT SECTIONABLE
NO FRACCIONABLE
NÃO FRACIONADO
PAS FRACTIONNÉE
NICHT SEKTIONIERT

CODE	α	R	H	T/Mt	Mt
10.504	88°	0.80	104.50	50	
11.650	85°	0.80	104.50	50	
11.868	85°	0.25	104.70	50	

88°
85°

LENGTH | 415 | 835
SECTION | 805 |

CODE	α	R	H	T/Mt	Mt
10.502	88°	0.80	89.70	50	
11.865	85°	0.80	89.70	50	
10.672	85°	0.25	90.00	50	

88°
85°

LENGTH | 415 | 835
SECTION | 805 |

CODE	α	R	H	T/Mt	Mt
11.108	88°	3.00	103.50	50	
11.147	88°	0.80	104.50	50	
10.157	88°	0.25	104.50	50	
11.866	85°	3.00	103.50	50	
11.151	85°	0.80	104.50	50	
11.867	85°	0.25	104.50	50	

88°
85°

LENGTH | 415 | 835
SECTION | 805 |

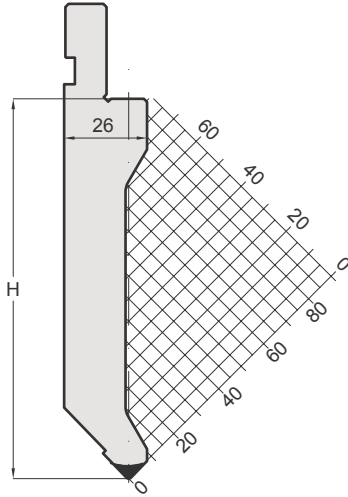
CODE	α	R	H	T/Mt	Mt
11.106	88°	3.00	88.50	60	
11.146	88°	0.80	89.58	60	
10.155	88°	0.25	89.60	60	
11.863	85°	3.00	88.50	60	
11.660	85°	0.80	89.58	60	
11.864	85°	0.25	89.70	60	

88°
85°

LENGTH | 415 | 835
SECTION | 805 |

CODE	α	R	H	T/Mt	Mt
11.235	88°	1.00	120.00	100	

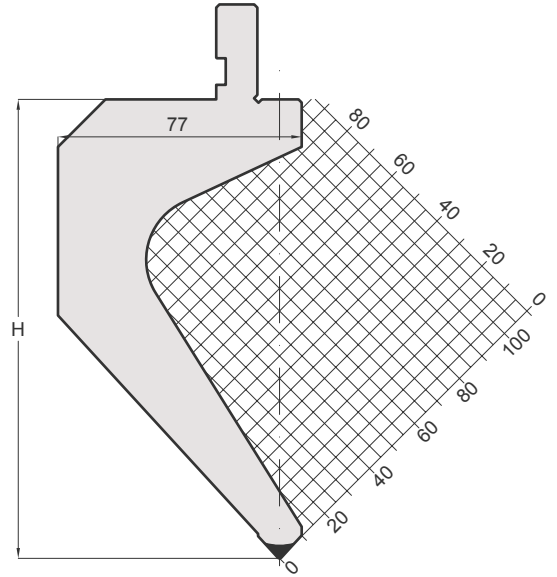
88°



LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.670	85°	0.80	145.00	60	

85°

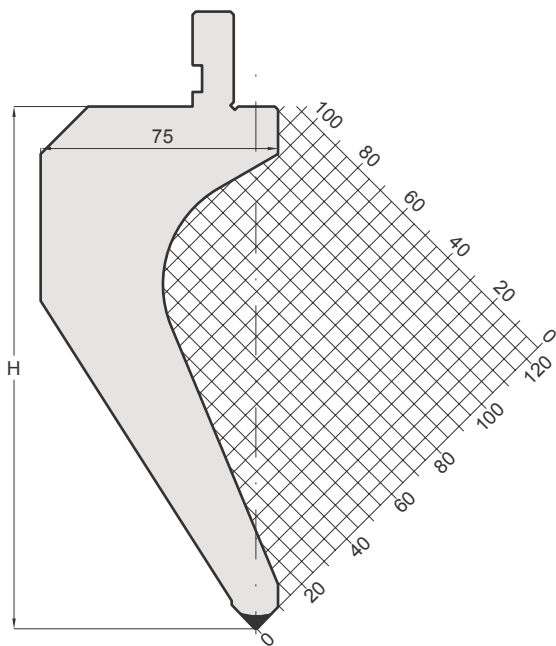


LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.149	88°	0.80	165.00	60	
11.849	85°	0.80	165.00	60	

88°

85°

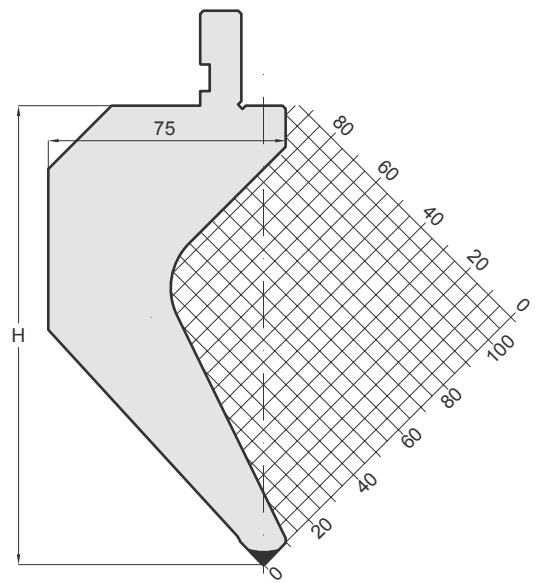


LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.148	88°	0.80	145.00	70	
11.848	85°	0.80	145.00	70	

88°

85°



LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
10.512	88°	0.60	84.13	20	

88°

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.830	88°	0.60	85.00	15	

88°

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
10.505	88°	0.80	120.00	50	
11.835	85°	0.80	120.00	50	

88°
85°

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.820	85°	0.60	115.00	20	

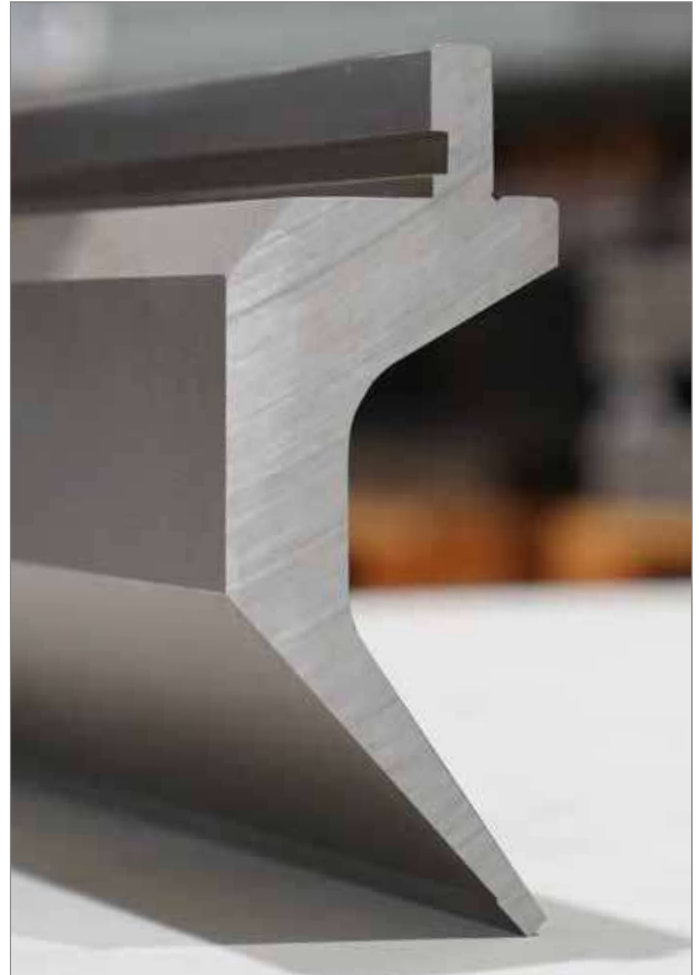
85°

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.680	85°	0.80	145.00	25	

85°

LENGTH	415	835
SECTION	805	



CODE	α	R	H	T/Mt	Mt
11.240	88°	0.80	66.50	80	

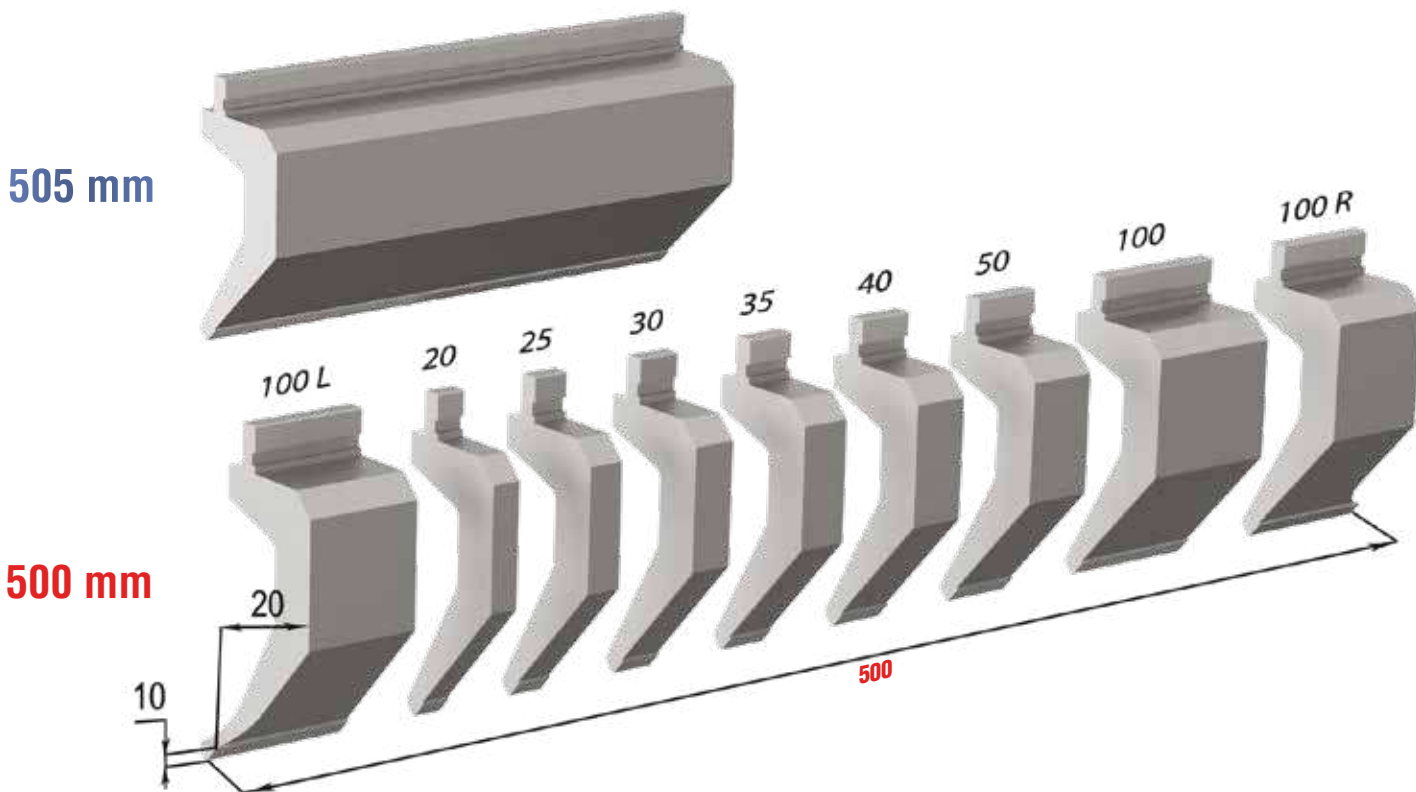
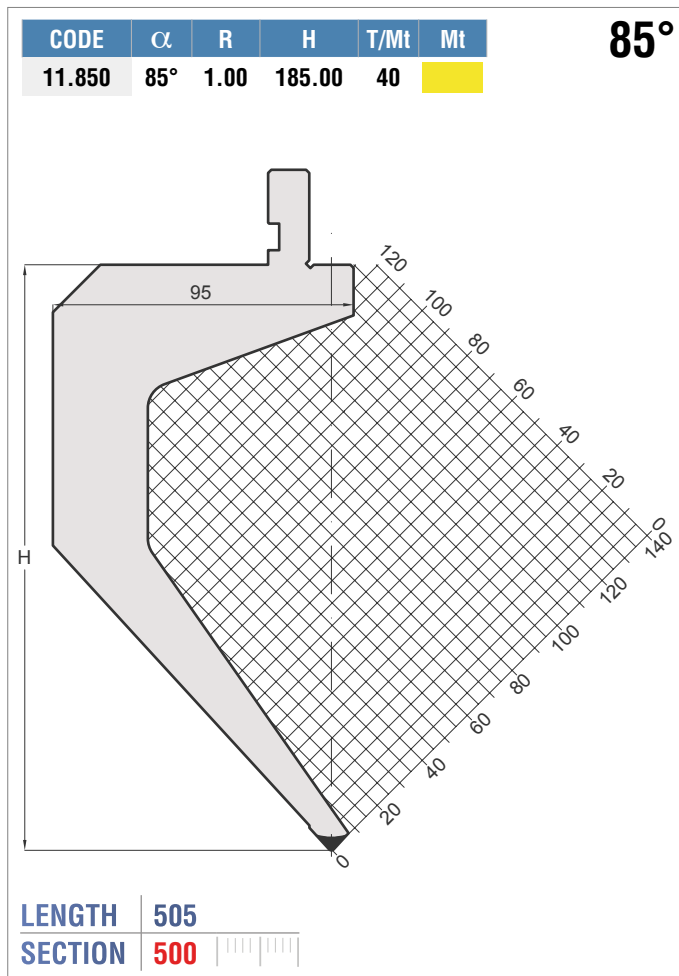
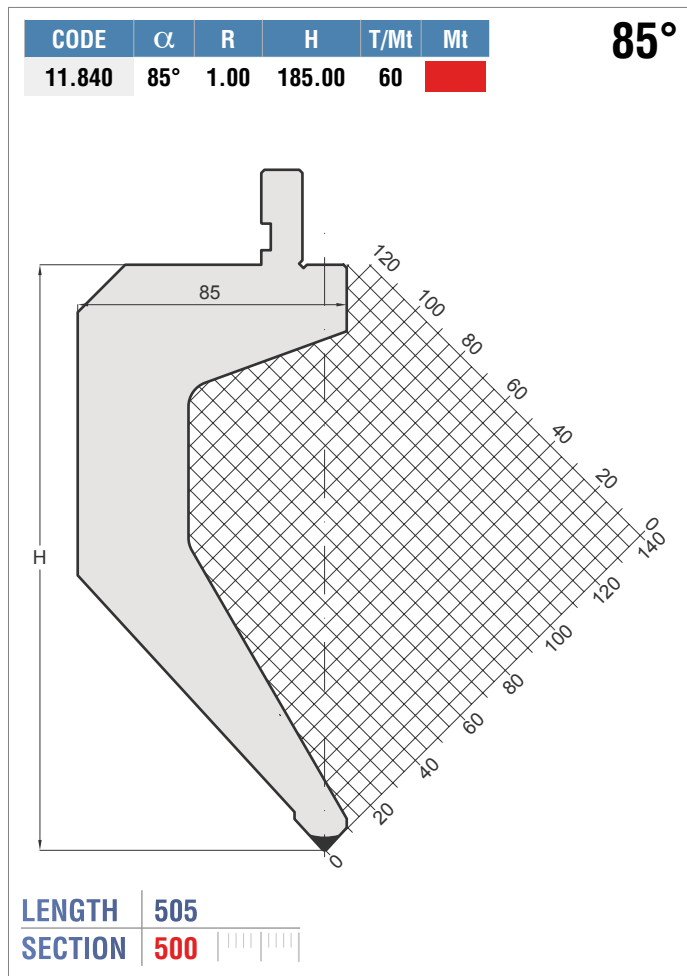
88°

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.233	88°	0.80	105.00	45	
11.869	85°	0.80	105.00	45	

88°
85°

LENGTH	415	835
SECTION	805	



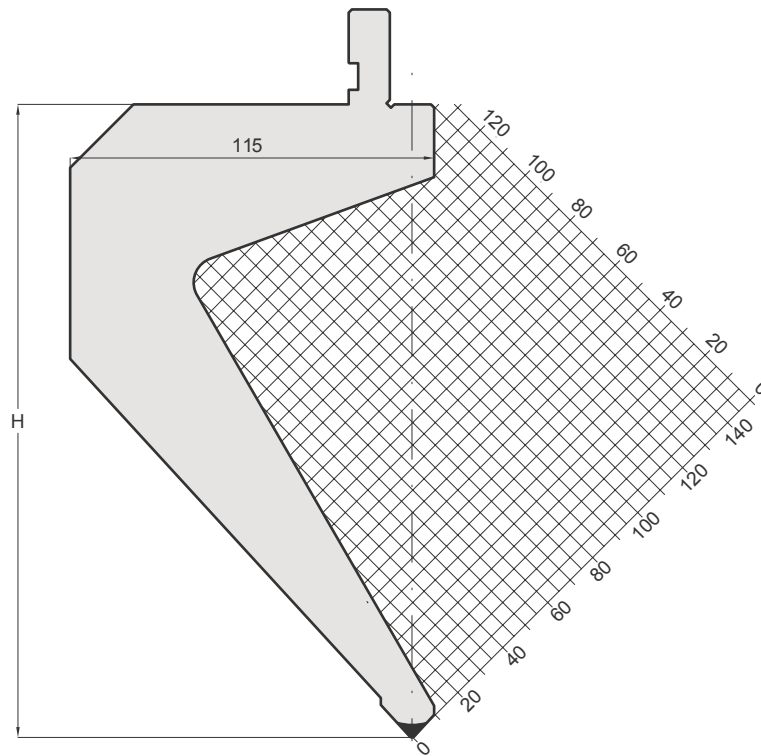
IL CARICO MASSIMO DELLE SCARPETTE CORRISPONDE AL 30% DEL CARICO MASSIMO INDICATO SUL PUNZONE.
 THE FMAX OF THE HORN EXTENSIONS IS 30% OF THE FMAX OF THE PUNCH.
 LA CARGA MÁXIMA EN LA BIGORNIAS, ES EL 30% DEL TONELAJE MÁXIMO INDICADO EN LOS PUNZONES.
 A CARGA MÁXIMA NAS BIGORNAS É DE 30% DA TONELAGEM TOTAL MÁXIMA INDICADA PARA O PUNÇÃO.
 LA FMAX DES BIGORNES REPRESENTÉ 30% DE LA FMAX DU POINÇON.
 DIE FMAX DER HORNSTUCKE BETRÄGT 30% DER FMAX DES STEMPELS

LENGTH	505
SECTION	500

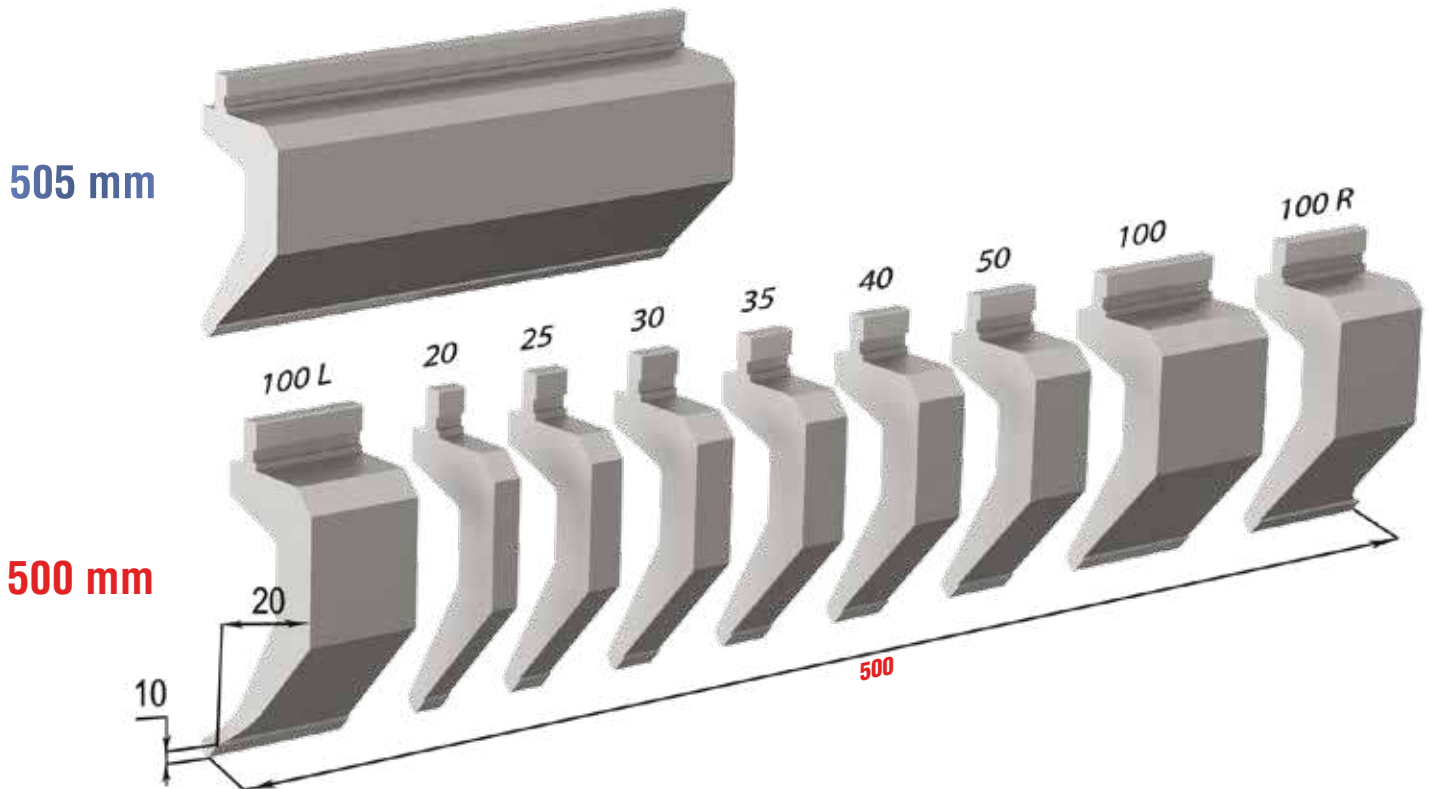
PUNZONI - PUNCHES 85°

85°

CODE	α	R	H	T/Mt	Mt
11.800	85°	1.00	200.00	70	



LENGTH	505
SECTION	500



IL CARICO MASSIMO DELLE SCARPETTE CORRISPONDE AL 30% DEL CARICO MASSIMO INDICATO SUL PUNZONE.
 THE FMAX OF THE HORN EXTENSIONS IS 30% OF THE FMAX OF THE PUNCH.
 LA CARGA MÁXIMA EN LA BIGORNIAS, ES EL 30% DEL TONELAJE MÁXIMO INDICADO EN LOS PUNZONES.
 A CARGA MÁXIMA NAS BIGORNAS É DE 30% DA TONELAGEM TOTAL MÁXIMA INDICADA PARA O PUNÇÃO.
 LA FMAX DES BIGORNES REPRESENTÉ 30% DE LA FMAX DU POINÇON.
 DIE FMAX DER HORNSTÜCKE BETRÄGT 30% DER FMAX DES STEMPELS

LENGTH	505
SECTION	500

CODE	α	R	H	T/Mt	Mt
10.516	60°	0.80	85.00	40	

60°

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
10.143	60°	2.00	65.80	60	
10.142	60°	0.80	67.00	60	

60°

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
10.500	60°	0.80	115.00	40	

60°

LENGTH	415	835
SECTION	805	

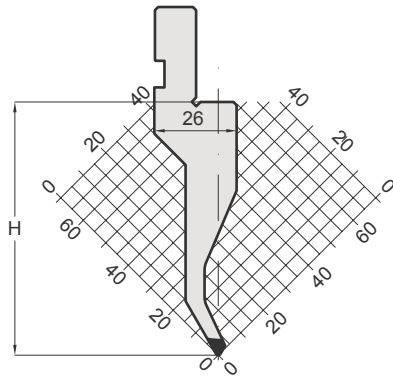
CODE	α	R	H	T/Mt	Mt
10.506	60°	0.80	130.00	40	

60°

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
10.517	60°	0.80	80.00	25	

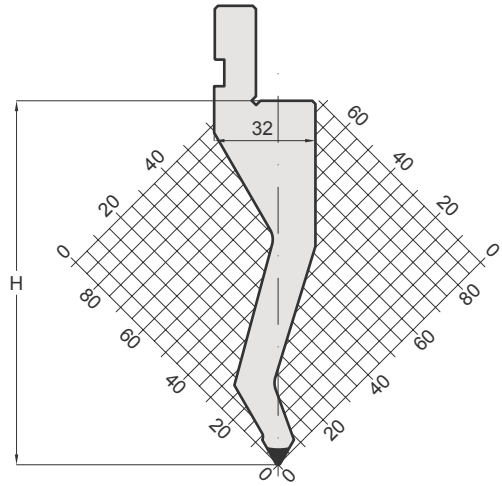
60°



LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
10.510	60°	0.80	115.00	60	

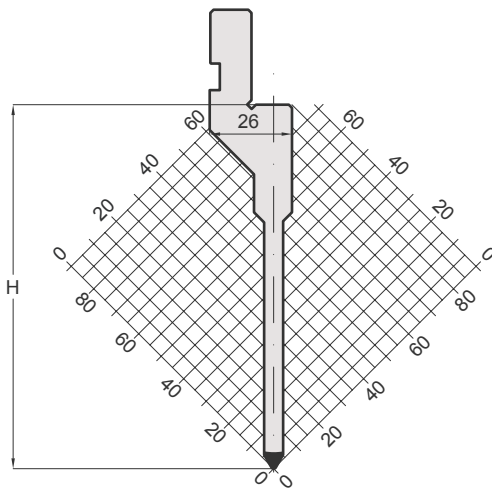
60°



LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
10.520	60°	0.80	115.00	50	

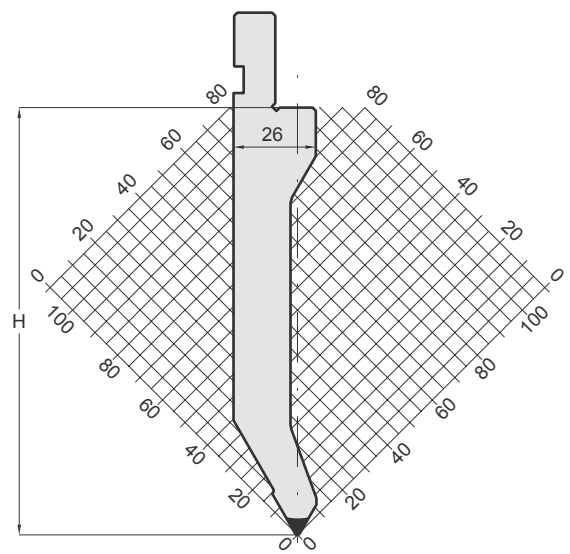
60°



LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.750	60°	0.80	135.00	70	

60°



LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
10.136	60°	6.00	65.00	100	

60°

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.710	60°	5.00	115.00	100	

60°

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.720	60°	10.00	115.00	100	

60°

LENGTH	415	835
SECTION	805	



45°

CODE	α	R	H	T/Mt	Mt
11.134	45°	0.60	66.30	80	
11.102	45°	1.00	65.20	80	

LENGTH	415	835
SECTION	805	

35°

CODE	α	R	H	T/Mt	Mt
11.104	35°	1.50	86.00	70	
11.600	35°	0.80	90.00	70	
11.103	35°	0.60	86.00	70	

LENGTH	415	835
SECTION	805	

30°

CODE	α	R	H	T/Mt	Mt
10.514	30°	0.60	80.00	50	

LENGTH	415	835
SECTION	805	

30°

CODE	α	R	H	T/Mt	Mt
11.514	30°	0.60	104.00	50	

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.258	30°	0.60	104.00	100	

30°

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.158	30°	0.60	80.00	100	

30°

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
10.511	30°	3.00	80.00	100	

30°

LENGTH	415	835
SECTION	805	

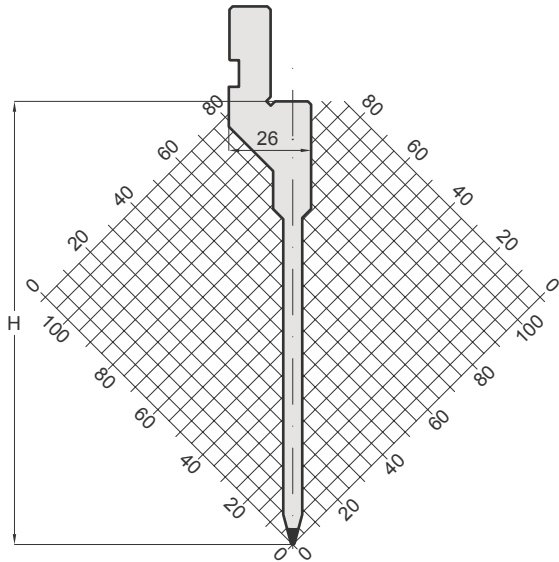
CODE	α	R	H	T/Mt	Mt
11.530	30°	5.00	104.00	100	
11.528	30°	3.00	104.00	100	

30°

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
10.515	30°	0.60	140.00	50	

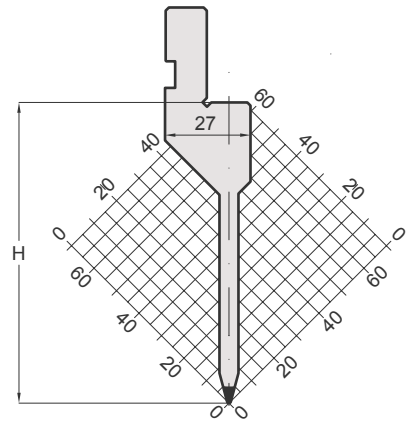
30°



LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.280	30°	0.60	95.00	50	

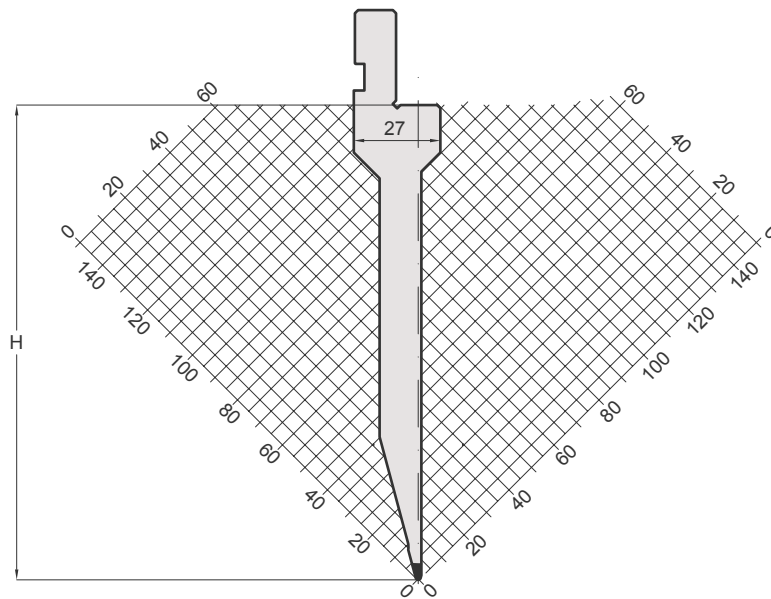
30°



LENGTH	415	835
SECTION	805	

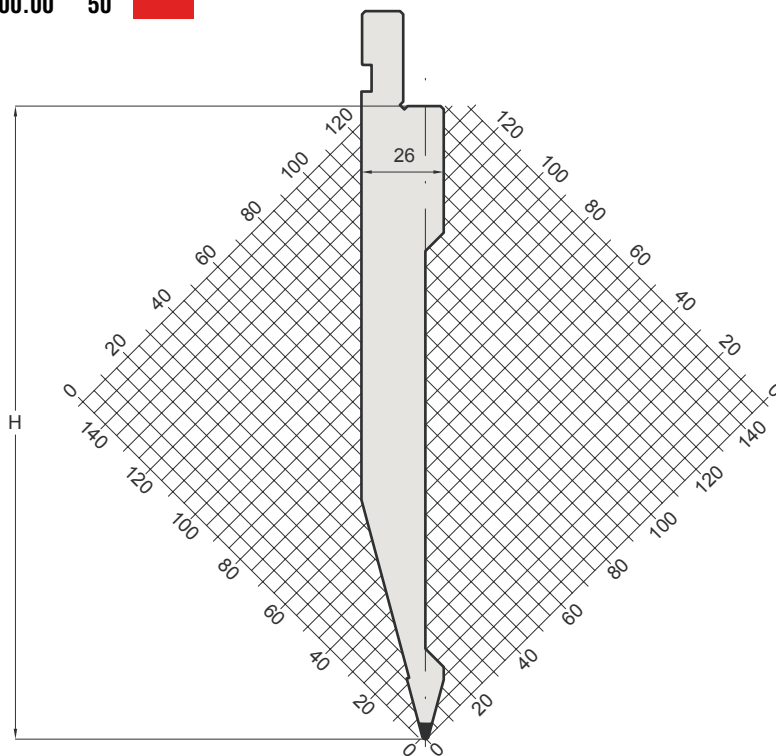
CODE	α	R	H	T/Mt	Mt
11.880	30°	0.80	150.00	40	

30°

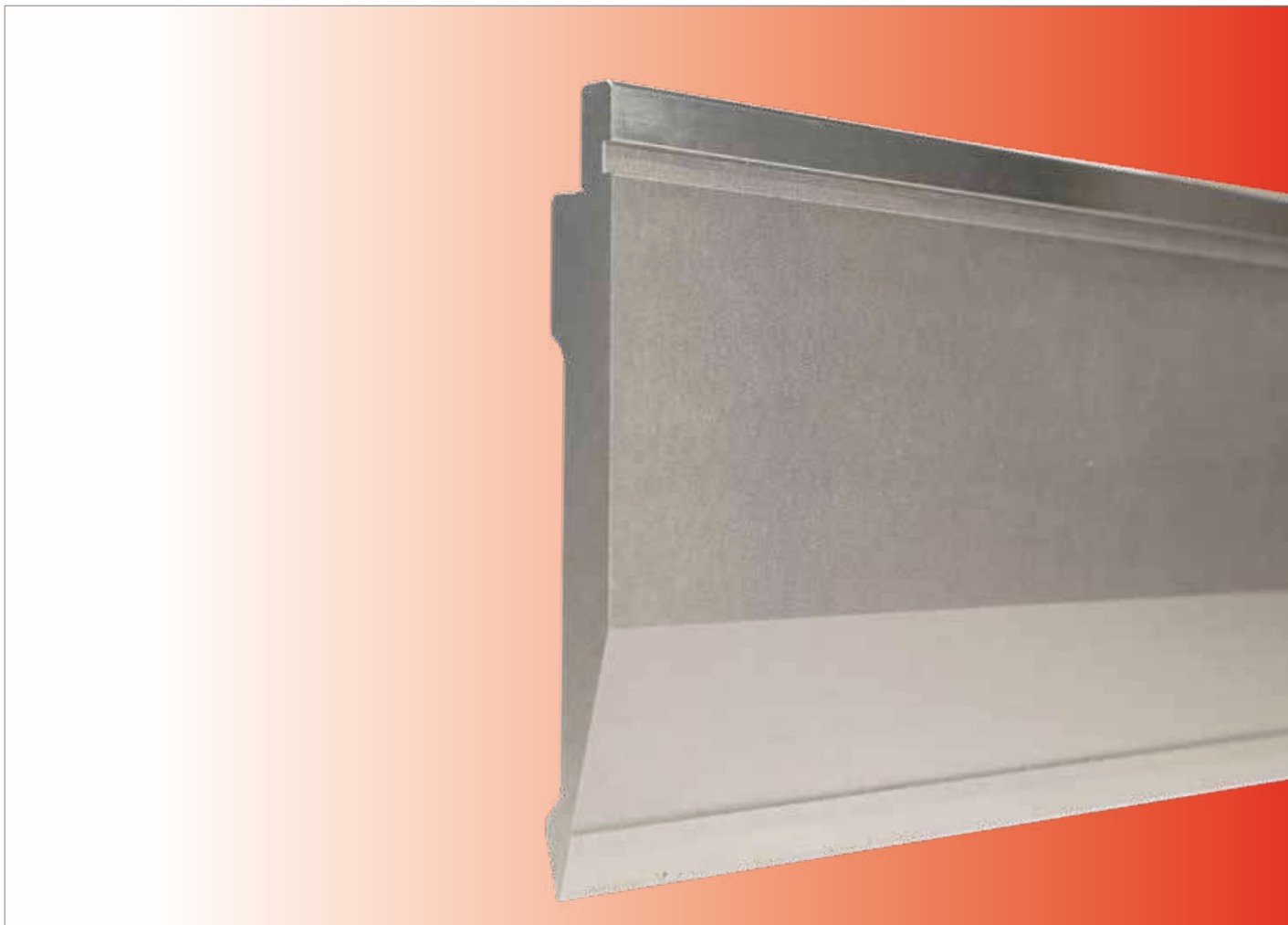


LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.810	30°	1.00	200.00	50	



LENGTH	415	835
SECTION	805	



CODE	α	R	H	T/Mt	Mt
11.904	30°	10.00	83.00	100	

30°

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.911	30°	15.00	87.00	100	

30°

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.914	30°	17.50	89.00	100	

30°

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.916	30°	20.00	91.00	100	

30°

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.780	30°	0.50	135.00	80	

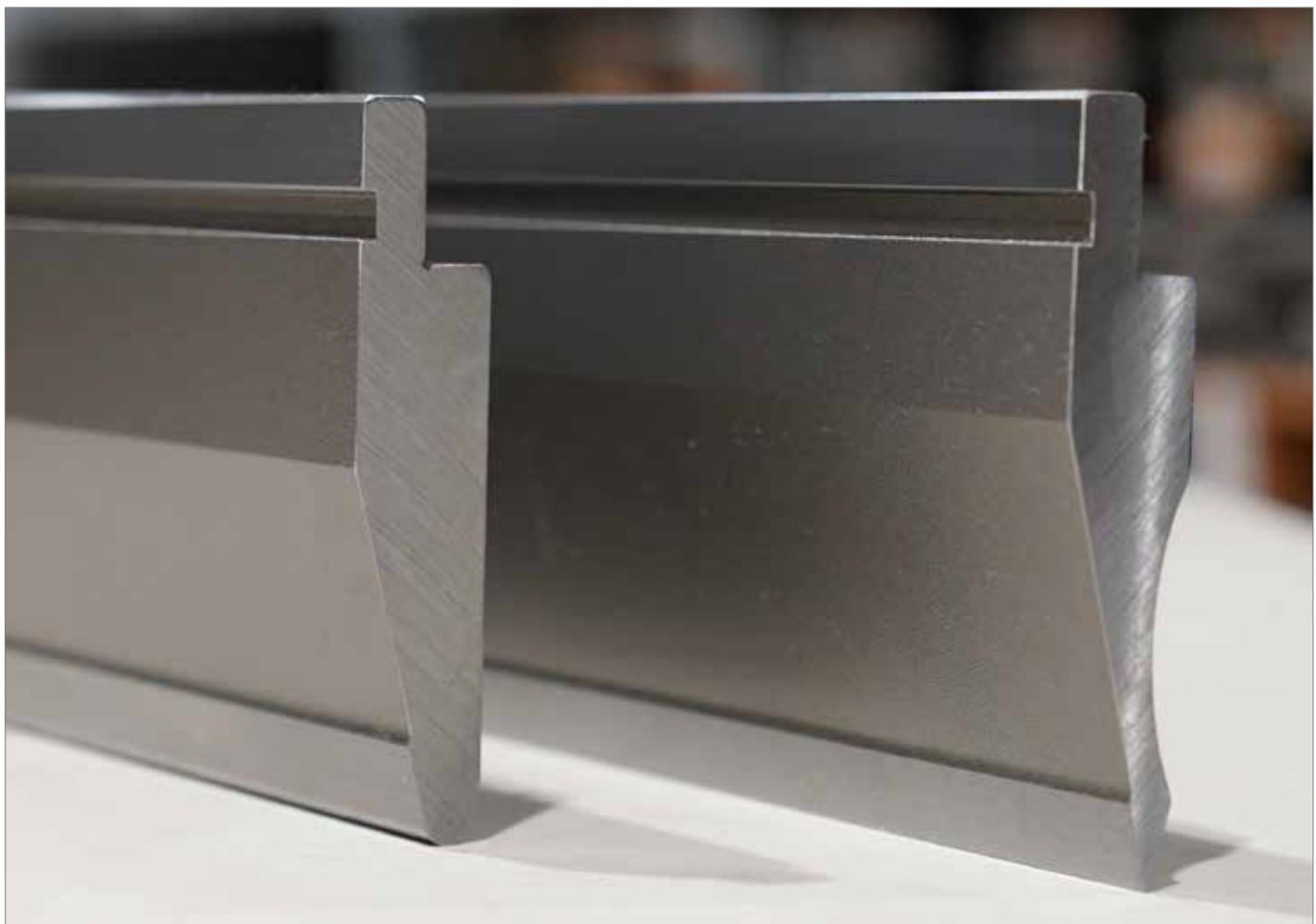
30°

LENGTH	415	835
SECTION	805	

CODE	α	R	H	T/Mt	Mt
11.540	26°	0.80	117.00	100	

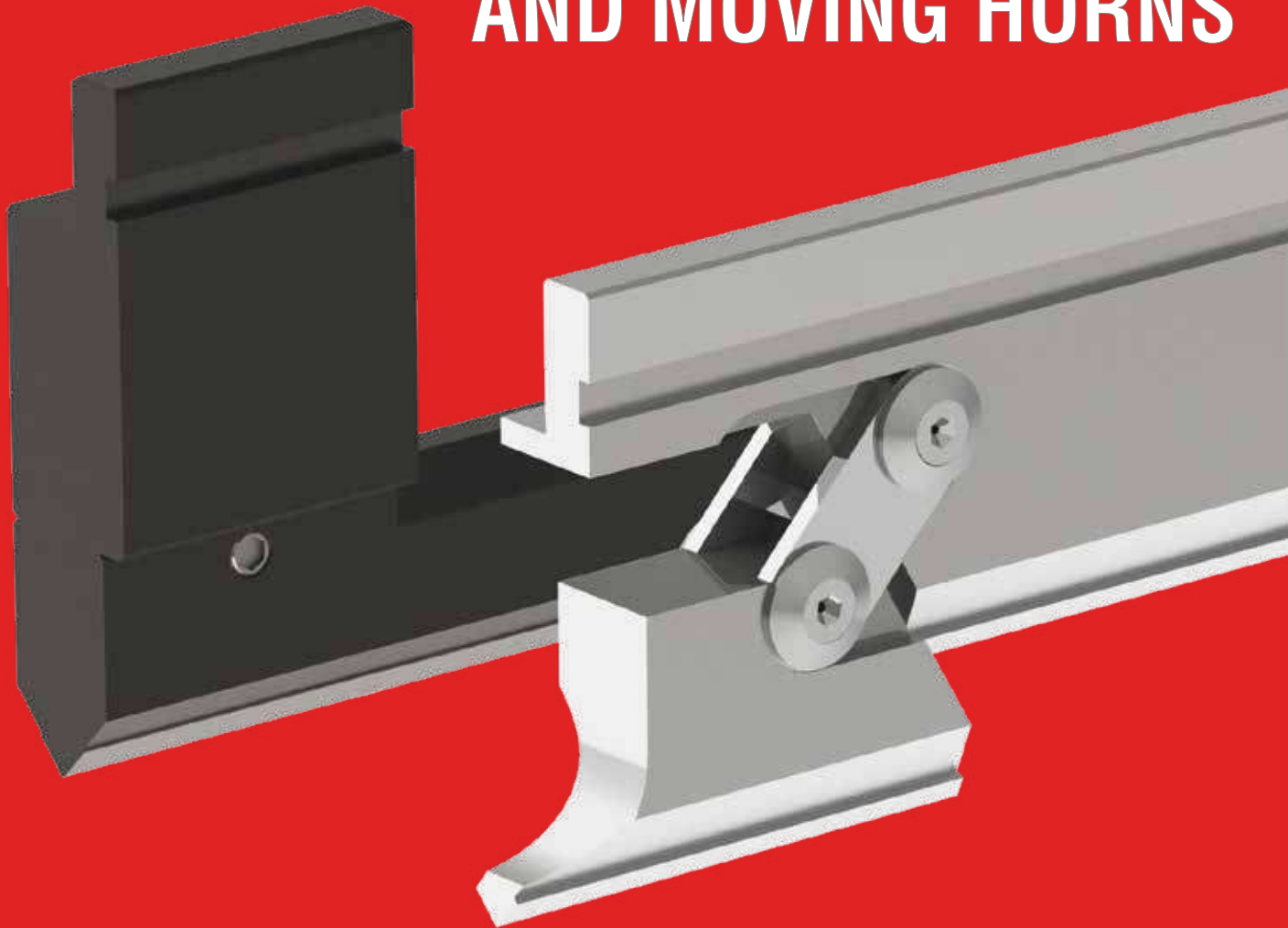
26°

LENGTH	415	835
SECTION	805	



PUNZONE ROTANTE E SCARPETTA MOBILE

ROTARY PUNCH AND MOVING HORNS



RED LINE

AMADA - PROMECAM STYLE

PUNZONE ROTANTE E SCARPETTA MOBILE

ROTARY PUNCH AND MOVING HORNS

PUNZONES DE ROTACIÓN Y BIGORNIAS MÓVILES

PUNÇÕES DE ROTAÇÃO E BIGORNAS MÓVEIS

POINÇON ROTAX ET BIGORNE MOBILE

OBERWERKZEUGE ROTAX UND BEWEGLICHE HÖRNER

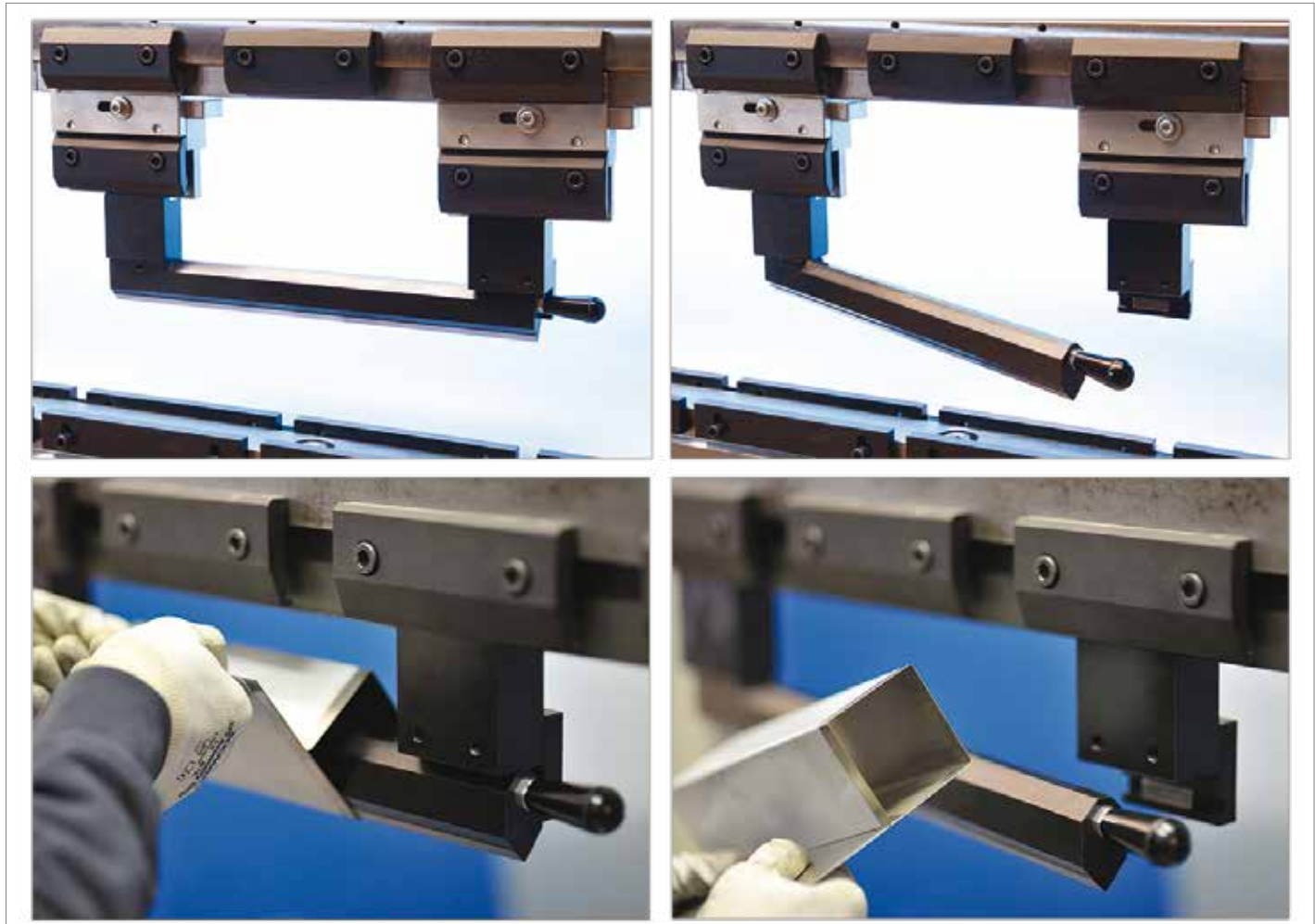
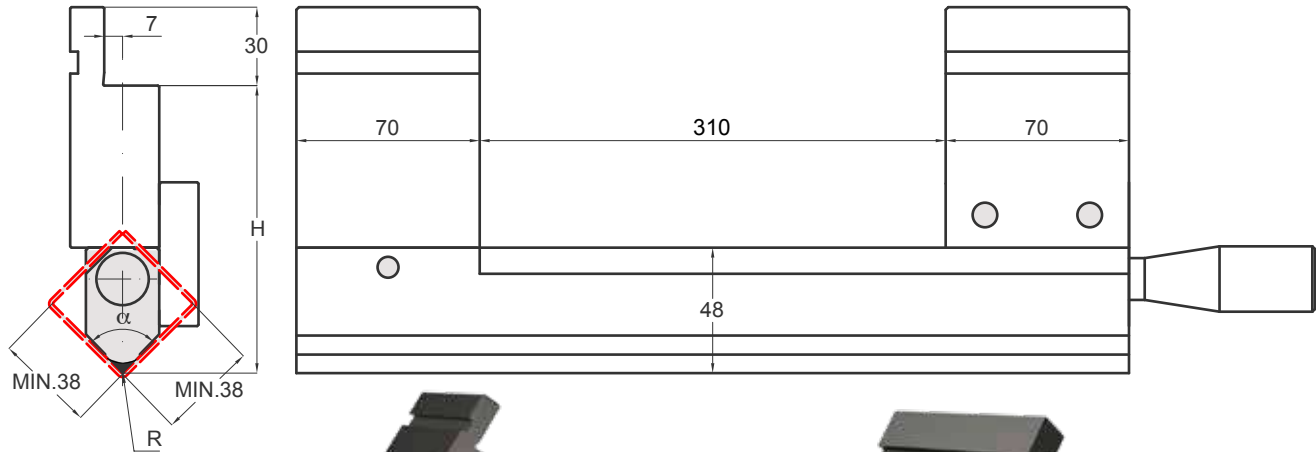
PUNZONE ROTANTE - ROTARY PUNCH

PUNZONE ROTANTE - ROTARY PUNCH - PUNZONES DE ROTACIÓN - PUNÇÕES DE ROTAÇÃO - POINÇON ROTAX - OBERWERKZEUGE ROTAX

CODE	α	R	H	T/Mt	Mt
40.670	88°	0.80	110.00	15	
40.680	85°	0.80	110.00	15	

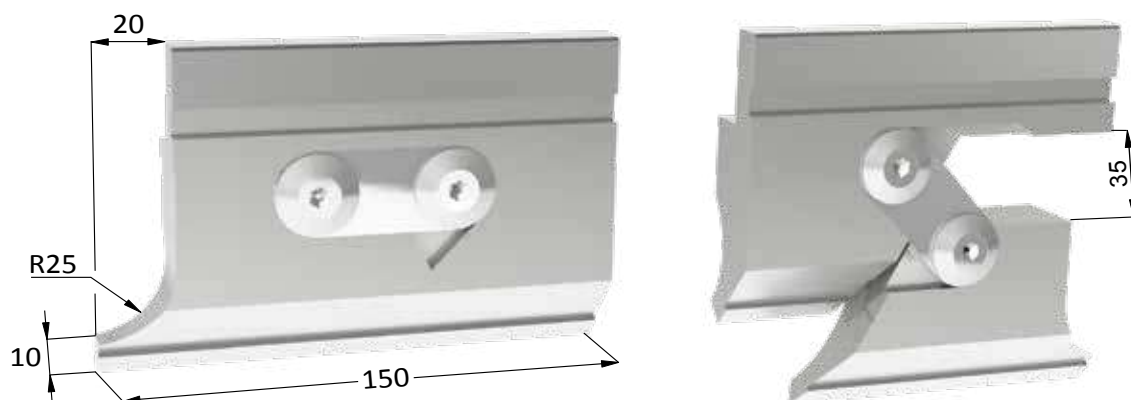
88°

85°



SCARPETTA MOBILE - MOVING HORNS

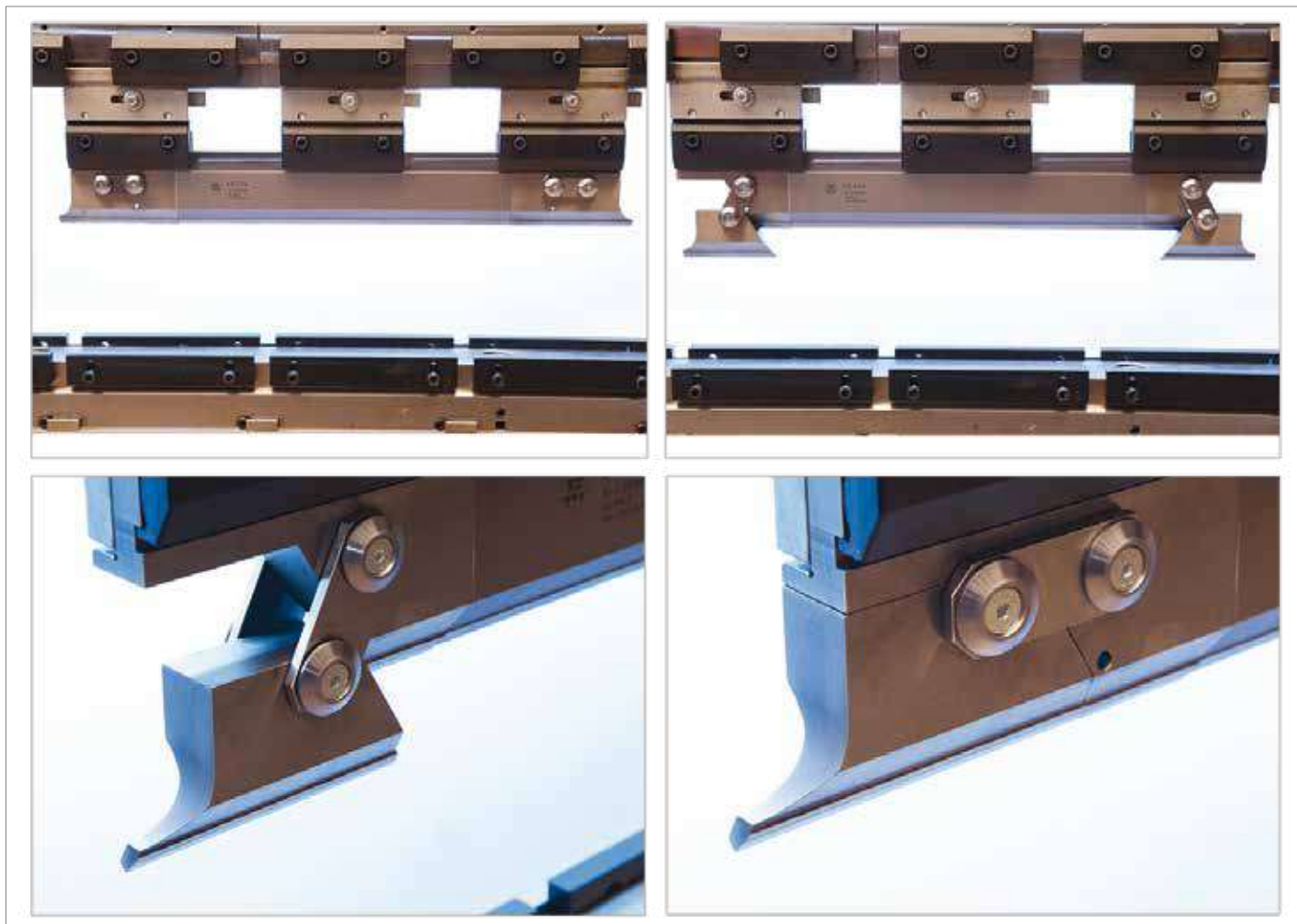
ADATTE ALL'ESECUZIONE DI SCATOLE - SUITABLE TO BOXES PRODUCTION - ADAPTADO A LA EJECUCIÓN DE LA CAJA
 ADAPTADO PARA FAZER CAIXA - ADAPTÉ A LA RÉALISATION DE BOITES - GEEIGNET ZUR HERSTELLUNG VON SCHACHTELN

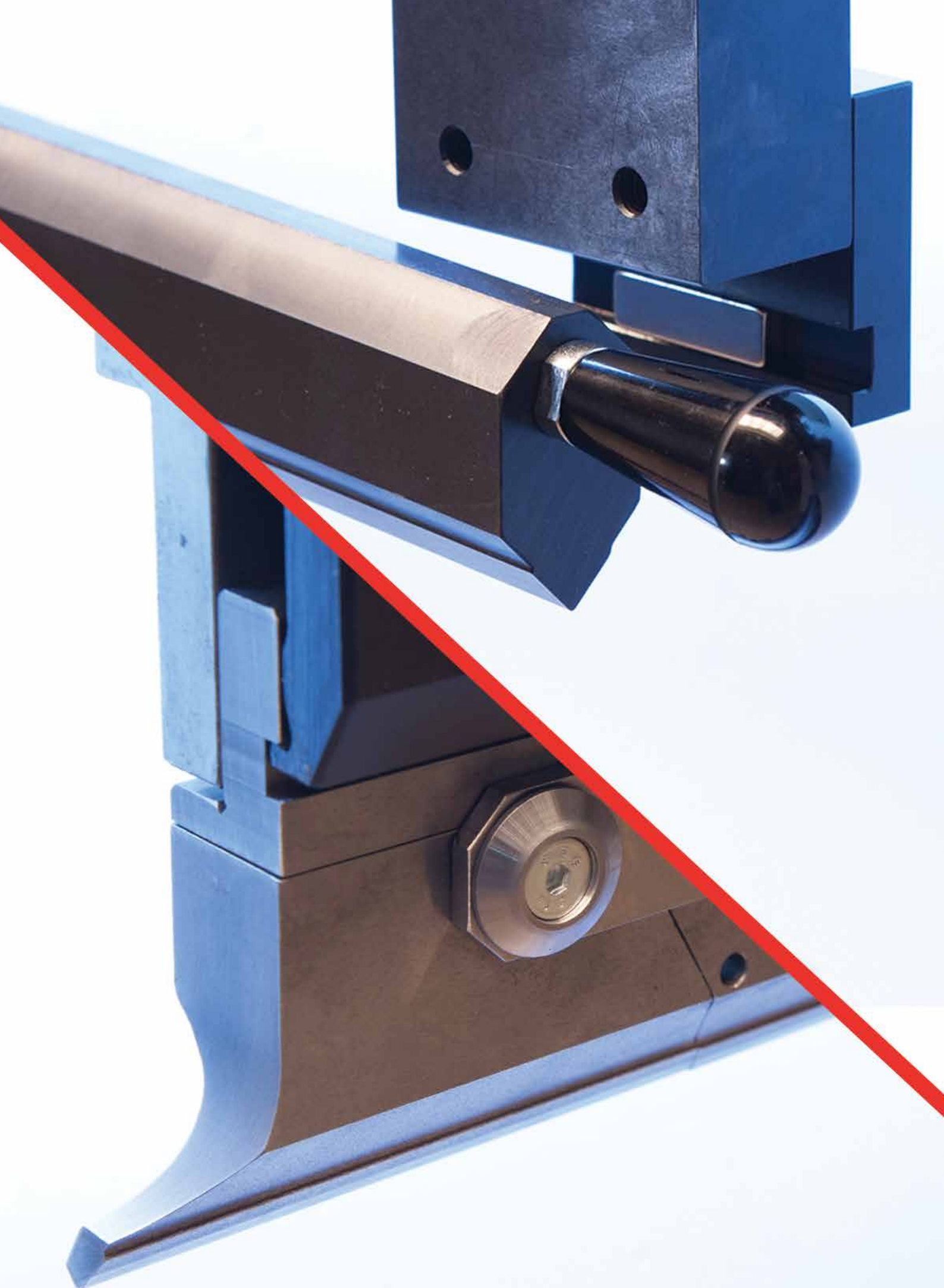


SCARPETTA MOBILE - MOVING HORNS - BIGORNIAS MÓVILES - BIGORNAS MÓVEIS - BIGORNE MOBILE - BEWEGLICHE HÖRNER

CODE	40.111	40.113	40.114	40.115	40.116	40.121	40.122	40.124
	↓	↓	↓	↓	↓	↓	↓	↓
	PUNZONE - PUNCHES - PUNZONES - PUNÇÕES - POINÇONS - OBERWERKZEUGE							
CODE	10.153	11.145	11.200	11.101	11.201	10.176	10.170	10.174

IDONEE PER LE ISOLE ROBOTIZZATE - SUITABLE TO ROBOT BENDING CELLS - IDÓNEO PARA LAS CÉLULAS ROBOTIZADAS
 ADEQUADO PARA CÉLULAS ROBOTIZADAS - ADAPTÉ AUX ILOTS ROBOTISÉS - GEEIGNET FÜR BIEGEROBOTER-INSELN





LAME E SUPPORTO PER LAME BLADES AND HOLDERS BLADES



RED LINE

AMADA - PROMECAM STYLE

LAME E SUPPORTO PER LAME - BLADES AND BLADES HOLDER

CUCHILLAS Y SOPORTES - SOPORTES E LÂMINAS

LAMES ET SUPPORTS LAMES - KLINGENHALTER UND KLINGEN

SUPPORTO PER LAME - BLADES HOLDER

CODE	α	R	H	T/Mt	Mt
10.400			60.00		

Diagram showing the cross-section of the blade holder with dimensions: 13, 1, and H.

LENGTH	100	200	300	500
SECTION	488			

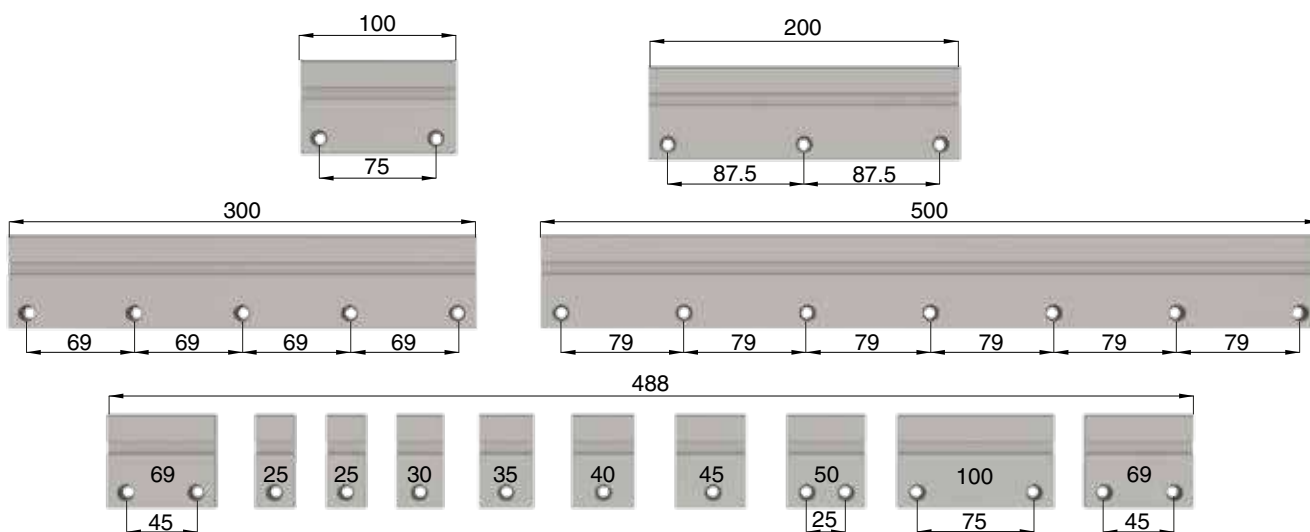
SCHEMA DI MONTAGGIO - ASSEMBLY SCHEME
 ESQUEMA DE MONTAJE - ESQUEMA DE MONTAGEM
 SCHÉMA DE MONTAGE - MONTAGESCHEMA

Diagram showing the assembly of the blade holder and blade with dimensions: 7, 30, and 100.

LAMA
 BLADE
 CUCHILLA
 LÂMINAS
 LAMES
 KLINGEN










LUNGHEZZA STANDARD - STANDARD LENGTH - LONGITUD STANDARD - COMPRIMENTO PADRÃO - LONGUEUR STANDARD - STANDARD - LÄNGE

LUNGHEZZA FRAZIONATO - SECTIONED LENGTH - LONGITUD FRACCIONADO - COMPRIMENTO FRACIONADO - LONGUEUR FRACTIONNÉE - SEKTIONIERT LÄNGE

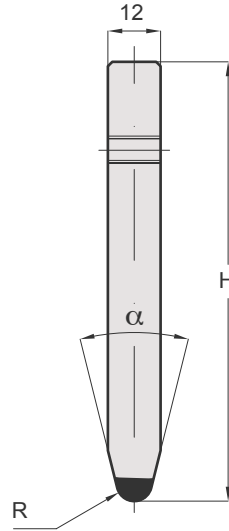


LAME - BLADES 28° / 84° / 86°

LAMA - BLADE - CUCHILLAS - LÂMINAS - LAMES - KLINGEN

CODE	α	R	H	T/Mt	Mt
15.776	86°	1.00	100.00	100	
15.774	84°	1.00	100.00	100	
15.769	28°	6.00	100.00	100	
15.768	28°	5.00	100.00	100	
15.767	28°	4.00	100.00	100	
15.766	28°	3.00	100.00	100	
15.765	28°	2.00	100.00	100	
15.763	28°	1.00	100.00	100	
15.761	28°	0.50	100.00	100	

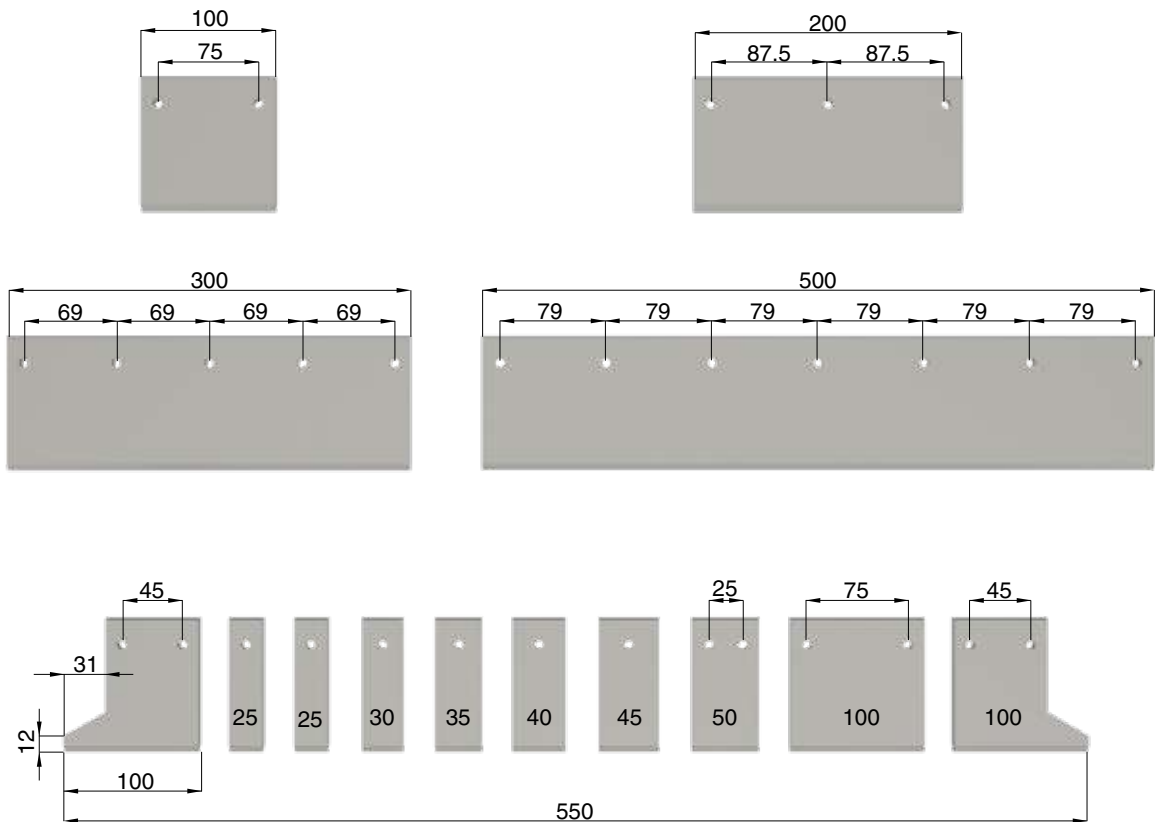
86°
84°
28°



LENGTH	100	200	300	500
SECTION	550			

LUNGHEZZA STANDARD - STANDARD LENGTH - LONGITUD STANDARD - COMPRIMENTO PADRÃO - LONGUEUR STANDARD - STANDARD - LÄNGE

LUNGHEZZA FRAZIONATO - SECTIONED LENGTH - LONGITUD FRACCIONADO - COMPRIMENTO FRACIONADO - LONGUEUR FRACTIONNÉE - SEKTIONIERTE LÄNGE





SUPPORTI E INSERTI A ZETA Z TOOL HOLDERS AND Z TOOL INSERTS

SUPPORTI E INSERTI RAGGIATI HOLDERS AND RADIUS INSERTS



RED LINE

AMADA - PROMECAM STYLE

SUPPORTI PER INSERTI A Z - HOLDER FOR Z INSERT

CONTENEDORES PARA Z - SUPORTES PARA INSERTOS EM Z

SUPPORTS POUR OUTILS EN Z - HALTERPAAR FÜR Z-WERKZEUGEINSÄTZE

INSERTI A Z E INSERTI RAGGIATI - RADIUS AND Z INSERTS

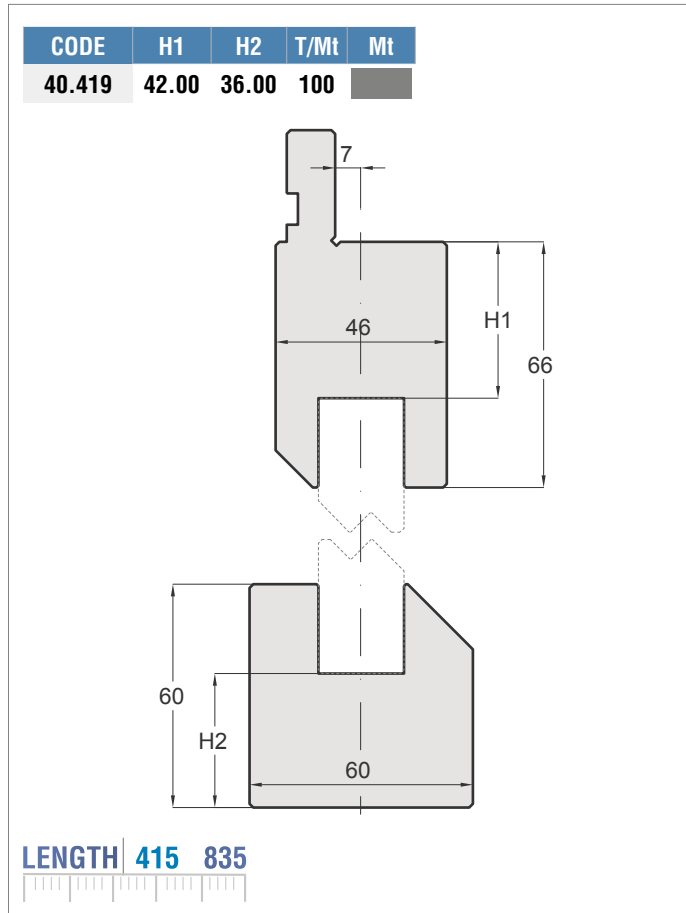
INSERTOS PARA Z E INSERTOS DE RADIO - INSERTOS DE RAIOS E EM Z

OUTILS EN Z ET INSERTS RAYON - Z-WERKZEUGEINSÄTZE UND RADIENLINEALE

SUPPORTI PER INSERTI A (Z) - Z TOOL HOLDERS

SUPPORTI PER INSERTI A Z - HOLDER FOR Z INSERT - CONTENEDORES PARA INSERTOS PARA Z

SUPTOTES PARA INSERTOS EM Z - SUPPORTS POUR OUTILS EN Z - HALTERPAAR FÜR Z-WERKZEUGEINSÄTZE



	LEGENDA	LEGEND	LEYENDA	LEGENDA	LÉGENDE	LEGENDE
Z	= SALTO A Z	Z OFFSET	SALTO DE Z	DEGRAU DO Z	TAILLE DU Z	Z-GRÖSSE
α	= ANGOLO	ANGLE	ÂNGULO	ÂNGULO	ANGLE	WINKEL
T	= SPESSORE MAX	MAX THICKNESS	ESPEJOR MÁXIMO	ESPESSURA MÁXIMA	EPAISSEUR MAX	MAX. BLECHSTÄRKE
T/mt	= CARICO MAX	MAX LOAD	TONELAJE MÁXIMO	TONELAGEM MÁXIMA	TONNAGE MAX	MAX. BELASTBARKEIT
Mt	= MATERIALE	MATERIAL	MATERIAL	MATERIAL	MATÉRIEL	MATERIAL



INSERTI A (Z) - Z TOOL INSERTS

INSERTI A Z - JOGGLE (Z) INSERTS - INSERTOS PARA Z
 INSERTOS EM Z - OUTILS EN Z - Z-WERKZEUGEINSÄTZE

CODE	Z	α	T	T/Mt	Mt
40.500				100	<input checked="" type="checkbox"/>

LENGTH | 415 835

CODE	Z	α	T	T/Mt	Mt
40.510	1.00	160°	1 mm	100	<input checked="" type="checkbox"/>
40.515	1.50	160°	1,2 mm	100	<input checked="" type="checkbox"/>
40.520	2.00	150°	1,5 mm	100	<input checked="" type="checkbox"/>
40.525	2.50	140°	1,5 mm	100	<input checked="" type="checkbox"/>

160°
150°
140°

LENGTH | 415 835

CODE	Z	α	T	T/Mt	Mt
40.511	1.00	90°	0,5 mm	100	<input checked="" type="checkbox"/>
40.516	1.50	90°	0,5 mm	100	<input checked="" type="checkbox"/>
40.521	2.00	90°	0,5 mm	100	<input checked="" type="checkbox"/>
40.526	2.50	90°	0,8 mm	100	<input checked="" type="checkbox"/>
40.530	3.00	90°	1 mm	100	<input checked="" type="checkbox"/>
40.535	3.50	90°	1 mm	100	<input checked="" type="checkbox"/>
40.540	4.00	90°	1,2 mm	100	<input checked="" type="checkbox"/>
40.545	4.50	90°	1,2 mm	100	<input checked="" type="checkbox"/>
40.550	5.00	90°	1,5 mm	100	<input checked="" type="checkbox"/>
40.555	5.50	90°	1,5 mm	100	<input checked="" type="checkbox"/>
40.560	6.00	90°	1,5 mm	100	<input checked="" type="checkbox"/>
40.565	6.50	90°	1,5 mm	100	<input checked="" type="checkbox"/>
40.570	7.00	90°	1,5 mm	100	<input checked="" type="checkbox"/>
40.575	7.50	90°	1,6 mm	100	<input checked="" type="checkbox"/>
40.580	8.00	90°	1,6 mm	100	<input checked="" type="checkbox"/>

90°

LENGTH | 415 835

CODE	Z	α	T	T/Mt	Mt
40.585	8.50	90°	2 mm	100	<input checked="" type="checkbox"/>
40.590	9.00	90°	2 mm	100	<input checked="" type="checkbox"/>
40.610	10.00	90°	2 mm	100	<input checked="" type="checkbox"/>
40.611	11.00	90°	2 mm	100	<input checked="" type="checkbox"/>
40.612	12.00	90°	2 mm	100	<input checked="" type="checkbox"/>

90°

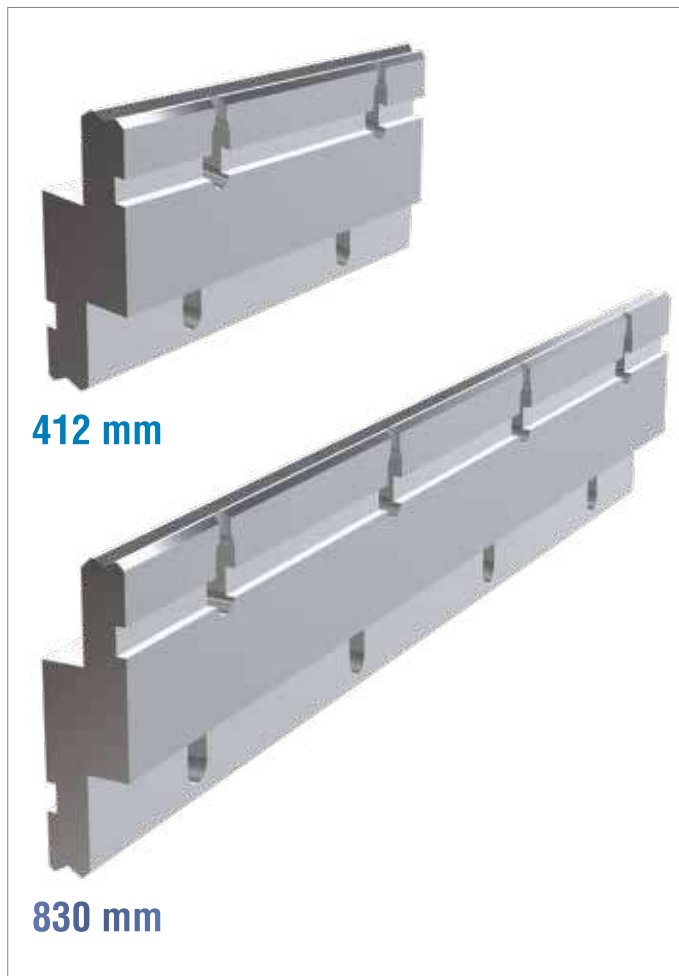
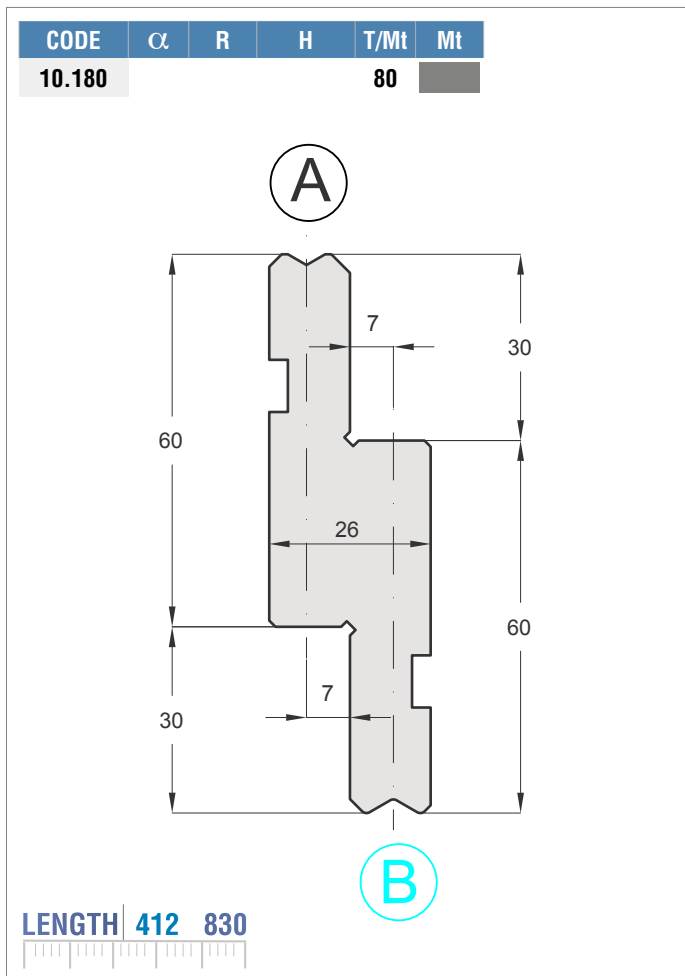
LENGTH | 415 835

CODE	Z	α	T	T/Mt	Mt
40.613	13.00	90°	2,5 mm	100	<input checked="" type="checkbox"/>
40.614	14.00	90°	2,5 mm	100	<input checked="" type="checkbox"/>
40.615	15.00	90°	3 mm	100	<input checked="" type="checkbox"/>

90°

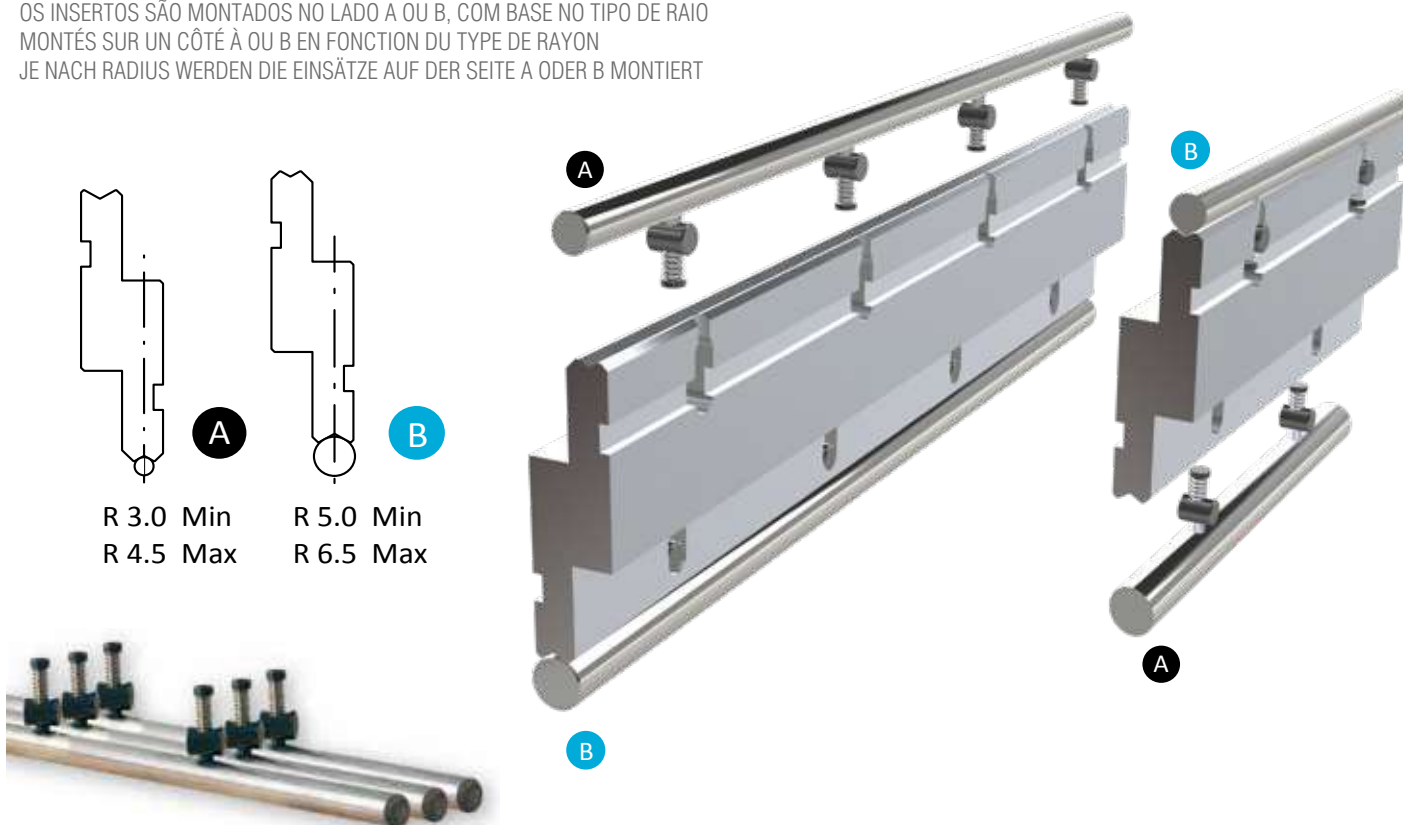
LENGTH | 415 835

SUPPORTI PER INSERTI RAGGIATI - RADIUS INSERT HOLDERS



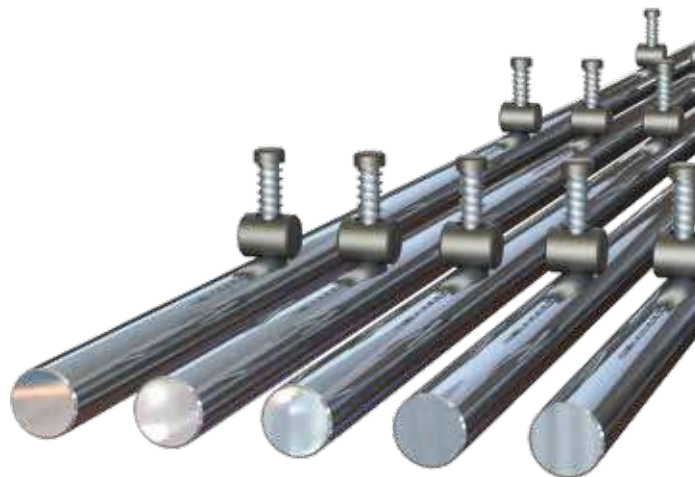
SCHEMA DI MONTAGGIO - ASSEMBLY SCHEME - ESQUEMA DE MONTAJE - ESQUEMA DE MONTAGEM - SCHÉMA DE MONTAGE - MONTAGESCHEMA

GLI INSERTI VENGONO MONTATI SUL LATO A O B IN BASE AL TIPO DI RAGGIO
 THE INSERTS ARE MOUNTED ON A OR B SIDE DEPENDING ON THE TYPE OF RADIUS
 LOS INSERTOS SE MONTAN EN LADO A o B, EN BASE AL TIPO DE RADIO
 OS INSERTOS SÃO MONTADOS NO LADO A OU B, COM BASE NO TIPO DE RAIIO
 MONTÉS SUR UN CÔTÉ À OU B EN FONCTION DU TYPE DE RAYON
 JE NACH RADIUS WERDEN DIE EINSÄTZE AUF DER SEITE A ODER B MONTIERT



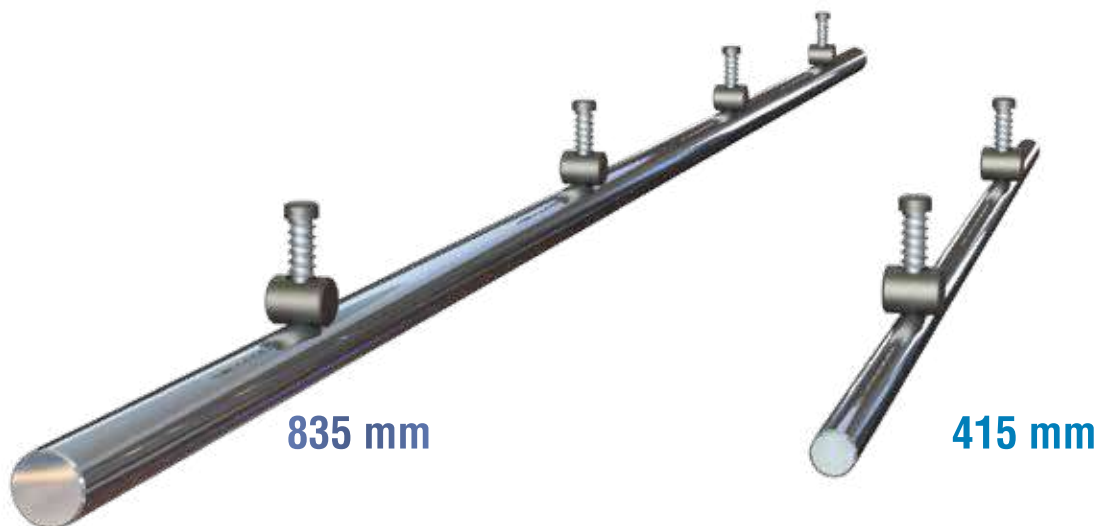
INSERTI RAGGIATI - RADIUS INSERTS

CODE	R	L	Mt
10.181	3.00	A	
10.182	3.50	A	
10.183	4.00	A	
10.184	4.50	A	
10.185	5.00	B	
10.186	5.50	B	
10.187	6.00	B	
10.188	6.50	B	



LENGTH | 415 835

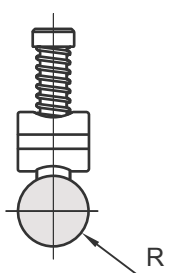
	LEGENDA	LEGEND	LEYENDA	LEGENDA	LÉGENDE	LEGENDE
L	= LATO	SIDE	LADO	LADO	CÔTÉ	SEITE
R	= RAGGIO	RADIUS	RADIO	RAIO	RAYON	RADIUS



PARTI DI RICAMBIO - SPARE PARTS - RECAMBIOS - PEÇAS DE SUBSTITUIÇÃO - PIÈCES DE RECHANGE - ERSATZTEILE

CODE

40.003



SUPPORTI PER INSERTI RAGGIATI / PIANI - RADIUS / FLAT INSERT HOLDERS

CODE	H	T/Mt	Mt
10.115	67.00	80	

LENGTH | 412 | 830

CODE	H	T/Mt	Mt
10.116	115.00	80	

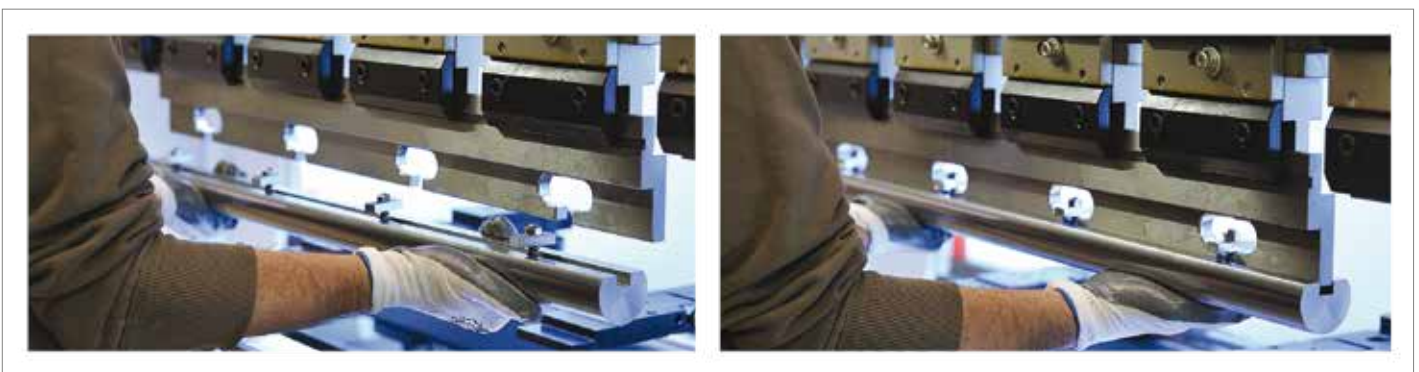
LENGTH | 412 | 830

CODE	H	T/Mt	Mt
10.190	87.00	50	

LENGTH | 412 | 830

CODE	H	T/Mt	Mt
10.191	115.00	50	

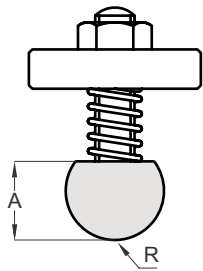
LENGTH | 412 | 830



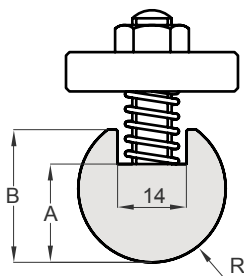
INSERTI RAGGIATI - RADIUS INSERTS

INSERTI RAGGIATI/PIANI - RADIUS/PLAN INSERTS - INSERTOS DE RADIO/PLANO - INSERTOS DE RAI/O/PLANO - INSERTS A RAYONNER/ECRASER - WERKZEUGTRÄGER FÜR RADIIENLINEALE/ZUDRÜCKEINSÄTZE

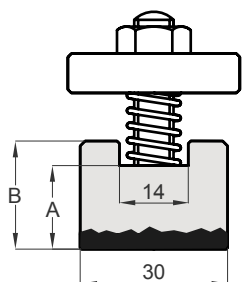
ACCIAIO - STEEL C45



LENGTH | 415 | 835



LENGTH | 415 | 835



LENGTH | 415 | 835

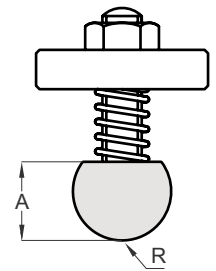
CODE	Mt	R	A	B
10.300		7.00	11.50	
10.301		7.50	11.50	
10.302		8.00	13.00	
10.303		9.00	16.00	
10.304		10.00	16.00	
10.305		11.00	16.00	
10.306		11.50	19.00	
10.307		12.00	20.00	

10.308		12.50	16.00	21.00
10.309		13.00	17.00	23.00
10.310		14.00	19.00	25.00
10.311		15.00	20.00	27.00
10.312		16.00	21.00	28.00
10.313		17.00	21.50	31.50
10.314		17.50	22.00	32.00
10.315		19.00	25.00	32.00
10.316		20.00	24.00	34.00
10.317		22.50	25.00	33.00
10.318		25.00	29.00	39.00
10.319		27.50	34.00	44.00
10.320		30.00	34.00	44.00
10.321		35.00	45.00	55.00
10.322		40.00	45.00	55.00
10.323		45.00	50.00	60.00
10.324		50.00	54.00	64.00

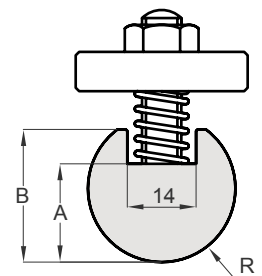
10.325  17.00 22.00

CODE	Mt
11.300	
11.301	
11.302	
11.303	
11.304	
11.305	
11.306	
11.307	

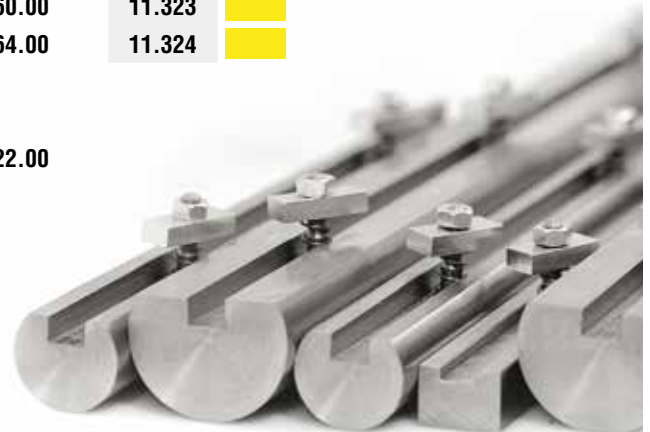
STEEL 42CrMo4 (UNI EN 10083-93)
NITRIDED 60-62 HRC



LENGTH | 415 | 835



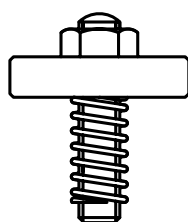
LENGTH | 415 | 835

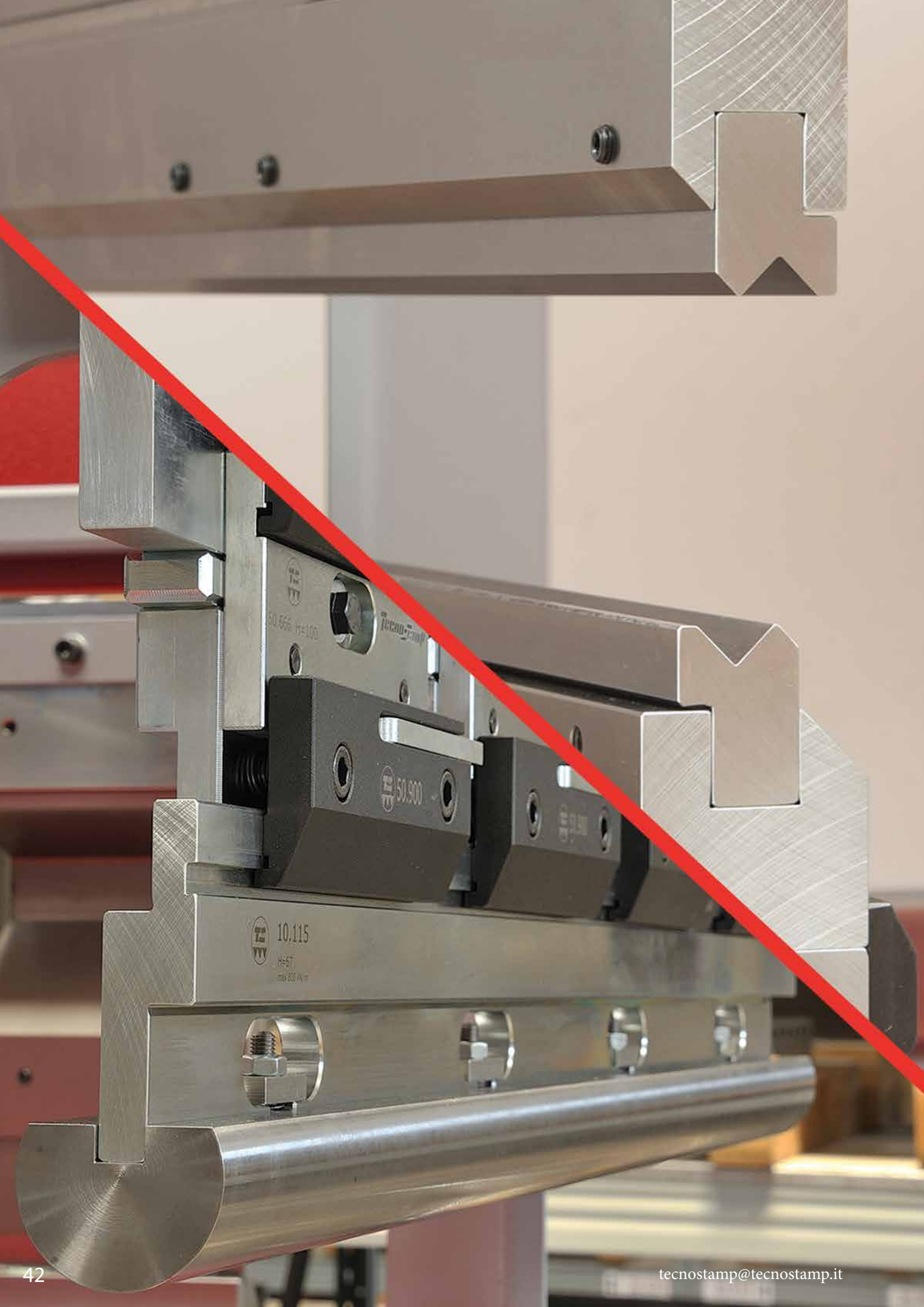


PARTI DI RICAMBIO - SPARE PARTS - RECAMBIOS - PEÇAS DE SUBSTITUIÇÃO - PIÈCES DE RECHANGE - ERSATZTEILE

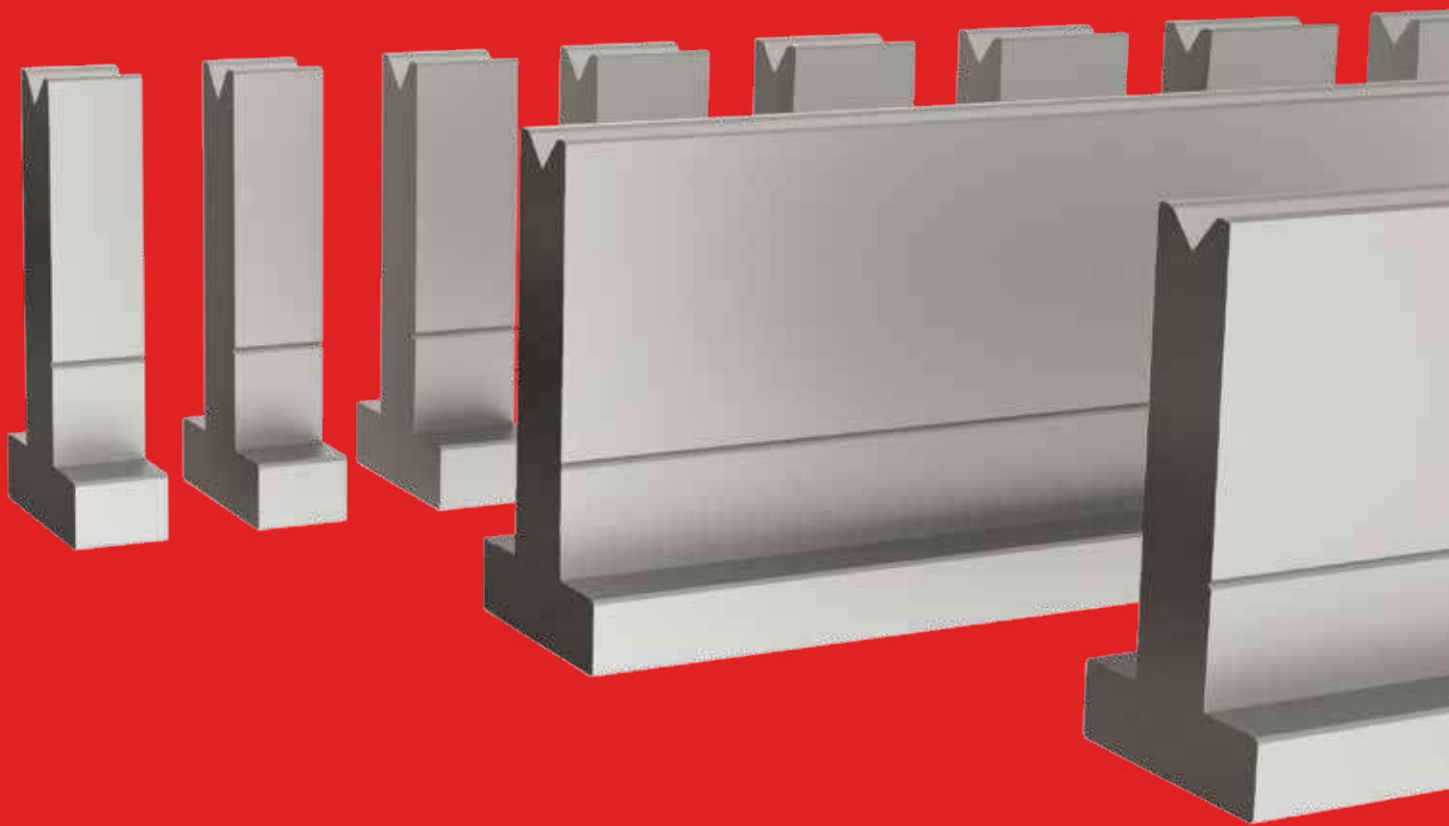
CODE

40.002





MATRICI DIES



RED LINE

AMADA - PROMECAM STYLE

MATRICI - DIES

MATRICES - MATRIZES

MATRICES - MATRIZEN

MATRICI - DIES

LE MATRICI STANDARD SONO DISPONIBILI A MAGAZZINO NELLE LUNGHEZZE DI: 415 mm - 835 mm E FRAZIONATI (805 mm)

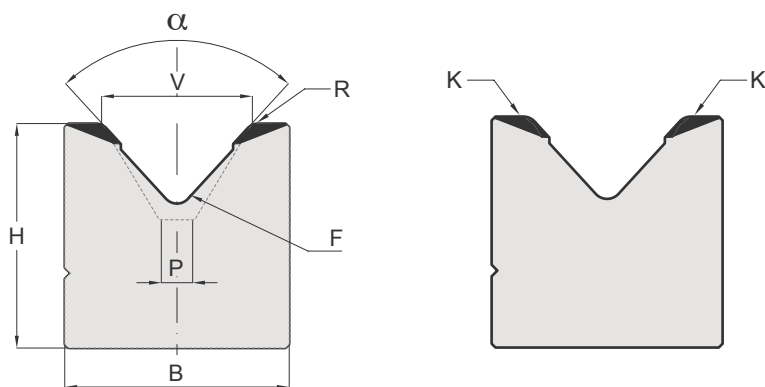
THE DIES ARE AVAILABLE IN THE FOLLOWING STANDARD LENGTHS: 415 mm - 835 mm AND SECTIONED (805 mm)

LAS MATRICES ESTÁN DISPONIBLES EN STOCK Y EN LONGITUDES DE: 415 mm - 835 mm Y FRACCIONADOS (805 mm)

AS MATRIZES ESTÃO DISPONÍVEIS EM STOCK/ESTOQUE NOS COMPRIMENTOS: 415 mm - 835 mm E FRACIONADOS (805mm)

LES MATRICES STANDARDS SONT DISPONIBLES EN LONGUEURS: 415 mm - 835 mm ET FRACTIONNÉES (805mm)

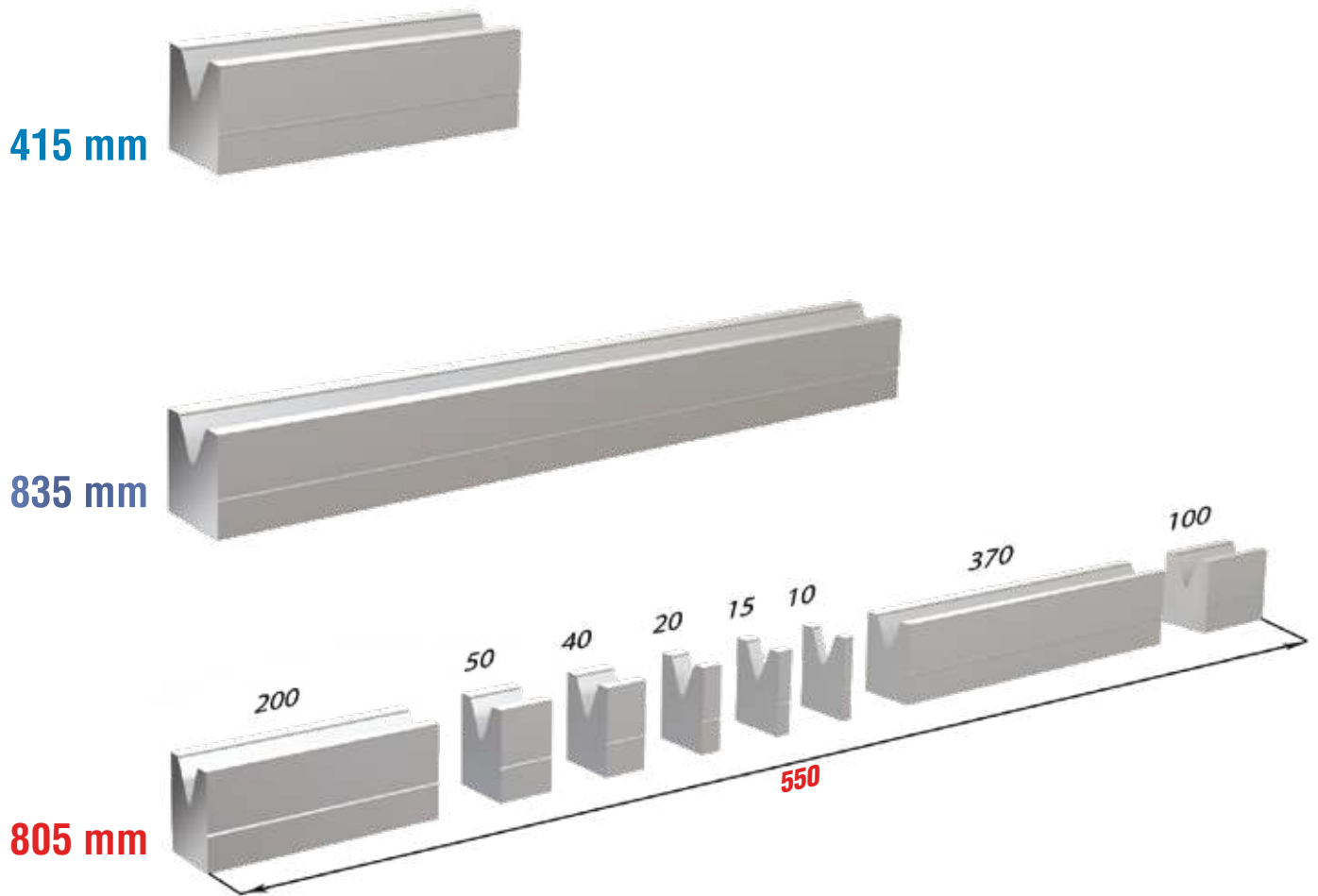
DIE AB LAGER LIEFERBAREN STANDARD-MATRIZEN SIND IN FOLGENDEN LÄNGEN ERHÄLTICH: 415 mm - 835 mm UND SEKTIONIERT LÄNGE (805 mm)



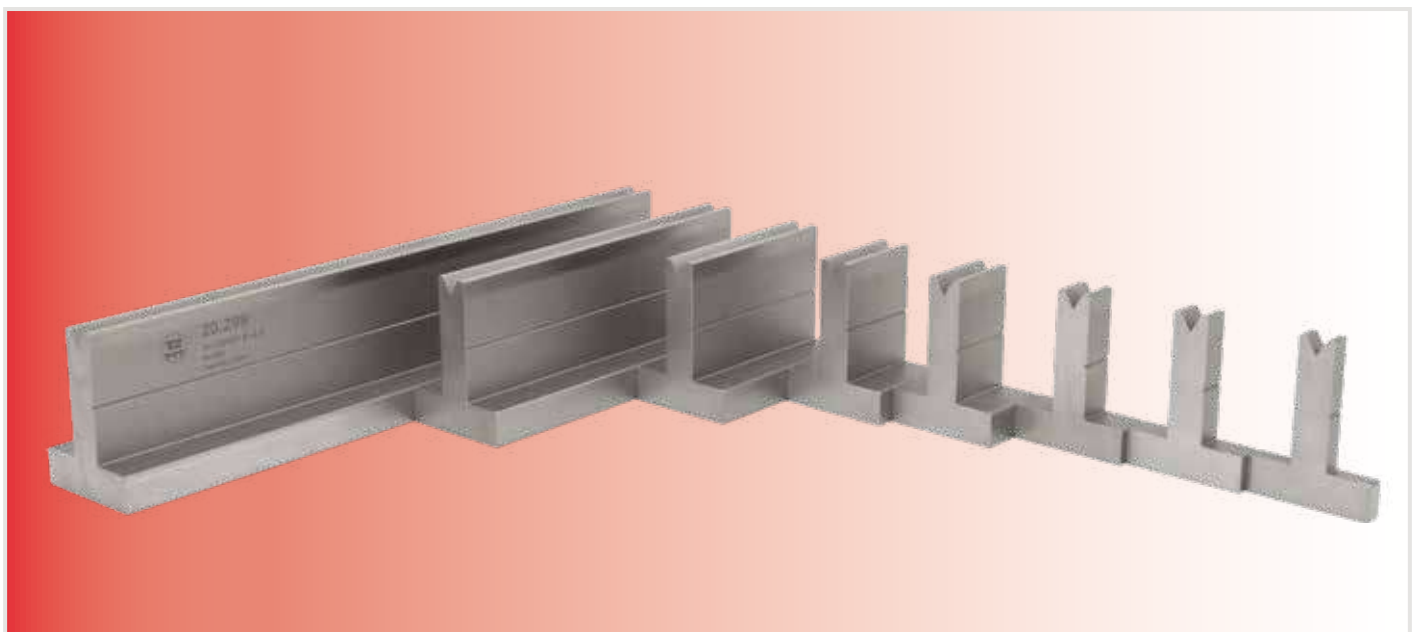
	LEGENDA	LEGEND	LEYENDA	LEGENDA	LÉGENDE	LEGENDE	
H	=	ALTEZZA	HEIGHT	ALTURA	ALTURA	HAUTEUR	STEMPELHÖHE
α	=	ANGOLO	ANGLE	ÁNGULO	ÂNGULO	ANGLE	WINKEL
R	=	RAGGIO	RADIUS	RADIO	RAIO	RAYON	RADIUS
K	=	PARTI USURABILI	WEAR PARTS	ZONA DE DESGASTE	ZONA DE DESGASTE	ZONES D'USURE	VERSCHLEISSTEILE
B	=	BASE	WIDTH	BASE	BASE	BASE	BREITE
V	=	AMPIEZZA CAVA	DIE OPENING	APERTURA DE V	ABERTURA DO V	LARGEUR DU VE	ÖFFNUNGSWEITE
F	=	FONDO MATRICE	BOTTOM DIES	FONDO MATRIZ	FUNDO DA MATRIZ	FOND DU MATRICE	MATRIZENGRUND
P	=	PIANO	FLAT	PLANO	PLANO	PLAN	FLÄCHE



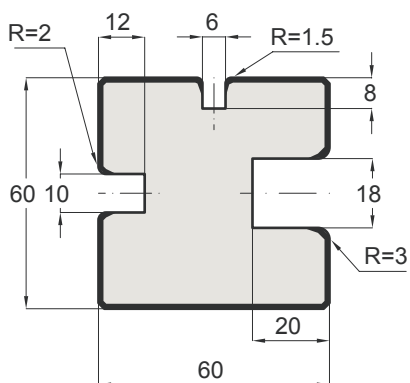
LUNGHEZZE - LENGHTS : 415 mm / 835 mm / 805 mm FRAZ. - SEC.



LENGTH	415	835
SECTION	805	



CODE	T/Mt	Mt
21.209	100	

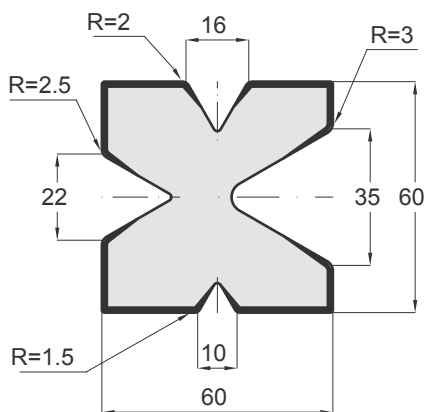


LENGTH	415	835
SECTION	805	



CODE	α	T/Mt	Mt
20.350	60°	60	

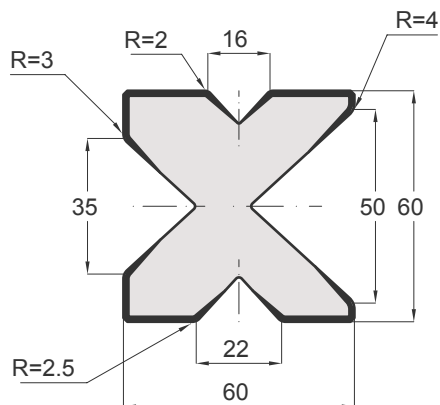
60°



LENGTH	415	835
SECTION	805	

CODE	α	T/Mt	Mt
21.207	85°	80	

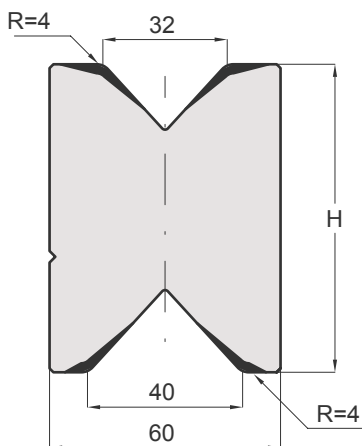
85°



LENGTH	415	835
SECTION	805	

CODE	α	H	T/Mt	Mt
20.820	85°	80.00	100	

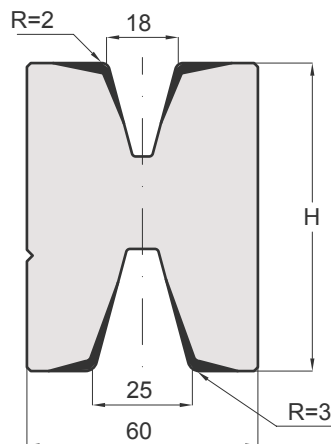
85°



LENGTH	415	835
SECTION	805	

CODE	α	H	T/Mt	Mt
20.830	30°	80.00	100	

30°



LENGTH	415	835
SECTION	805	

CODE	α	V	R	H	T/Mt	Mt	30°
20.494	30°	18	2.00	60.00	100		

LENGTH	415	835
SECTION	805	

CODE	α	V	R	H	T/Mt	Mt	30°
20.325	30°	25	3.00	60.00	100		

LENGTH	415	835
SECTION	805	

CODE	α	V	R	H	T/Mt	Mt	85°
20.210	85°	32	4.00	60.00	100		

LENGTH	415	835
SECTION	805	

CODE	α	V	R	H	T/Mt	Mt	85°
20.211	85°	40	4.00	60.00	100		

LENGTH	415	835
SECTION	805	

CODE	α	V	R	H	T/Mt	Mt	85°
20.212	85°	50	4.00	60.00	100		

LENGTH	415	835
SECTION	805	

CODE	α	V	R	H	T/Mt	Mt	45°
20.484	45°	32	4.00	80.00	100		

LENGTH	415	835
SECTION	805	

CODE	α	V	R	H	T/Mt	Mt	
20.440	45°	40	4.00	75.00	100		45°

LENGTH | 415 | 835
SECTION | 805 |

CODE	α	V	R	H	T/Mt	Mt	
20.650	60°	50	5.00	75.00	100		60°

LENGTH | 415 | 835
SECTION | 805 |

CODE	α	V	R	H	T/Mt	Mt	
20.370	60°	63	5.00	86.00	100		60°

LENGTH | 415 | 835
SECTION | 805 |

CODE	α	V	R	H	T/Mt	Mt	
20.213	85°	63	5.00	75.00	100		85°

LENGTH | 415 | 835
SECTION | 805 |

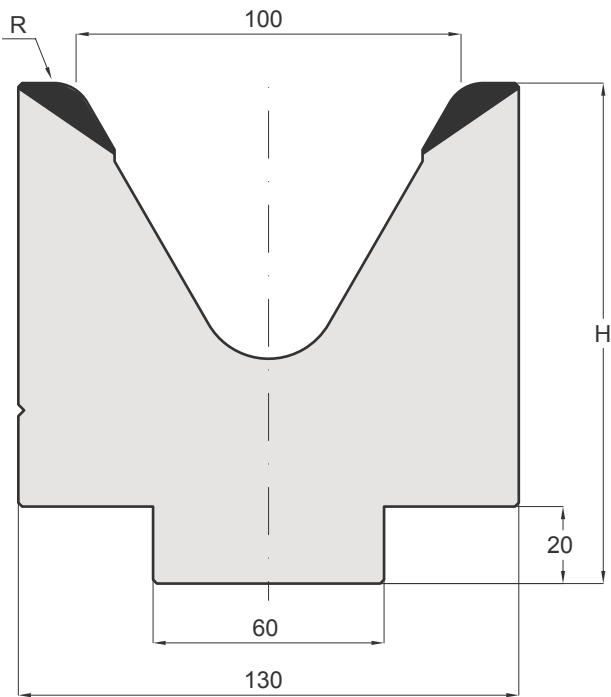
CODE	α	V	R	H	T/Mt	Mt	
20.214	85°	80	6.00	80.00	100		85°

LENGTH | 415 | 835
SECTION | 805 |

CODE	α	V	R	H	T/Mt	Mt	
20.680	60°	80	6.00	115.00	100		60°

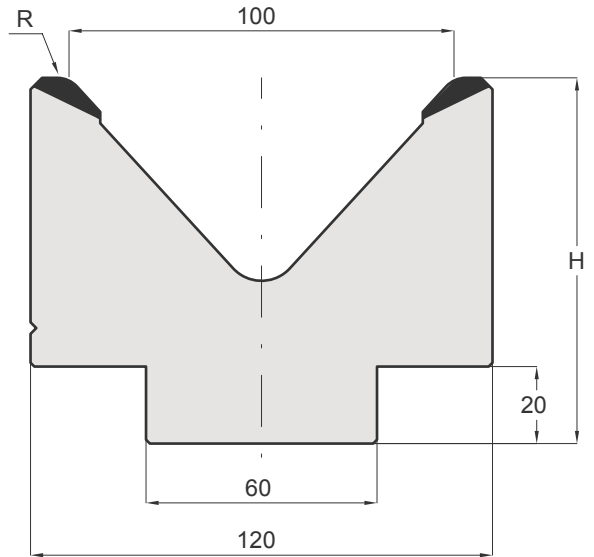
LENGTH | 415 | 835
SECTION | 805 |

CODE	α	V	R	H	T/Mt	Mt	60°
20.610	60°	100	10.00	130.00	100		



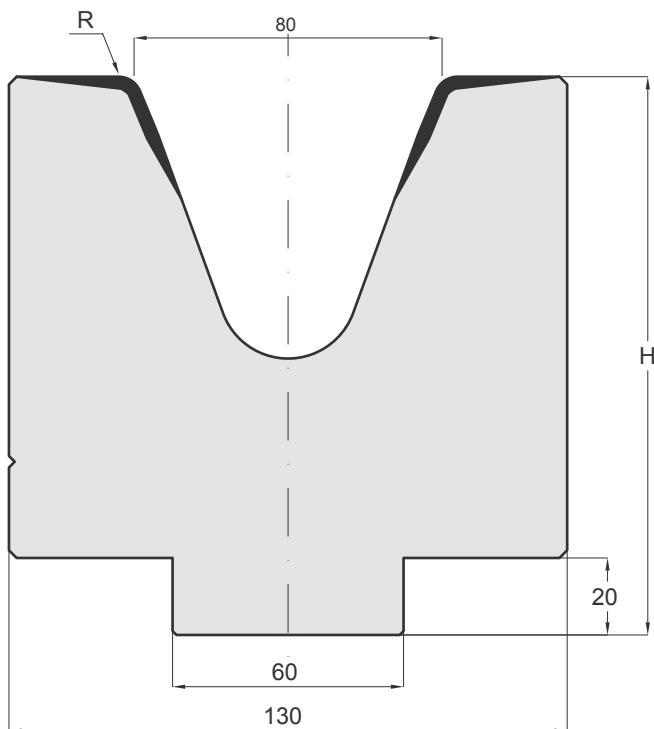
LENGTH	415	835
SECTION	805	

CODE	α	V	R	H	T/Mt	Mt	85°
20.215	85°	100	7.00	95.00	100		



LENGTH	415	835
SECTION	805	

CODE	α	V	R	H	T/Mt	Mt	45°
20.380	45°	80	6.00	145.00	100		



LENGTH	200	415
SECTION	805	



CODE	α	V	R	H	T/Mt	Mt
20.216	80°	125	9.00	103.00	150	

80°

LENGTH | 200 | 415
SECTION | 805 |

CODE	α	V	R	H	T/Mt	Mt
20.217	80°	160	10.00	130.00	150	

80°

LENGTH | 200 | 415
SECTION | 805 |

CODE	α	V	R	H	T/Mt	Mt
21.125	80°	125	9.00	103.00	150	

80°

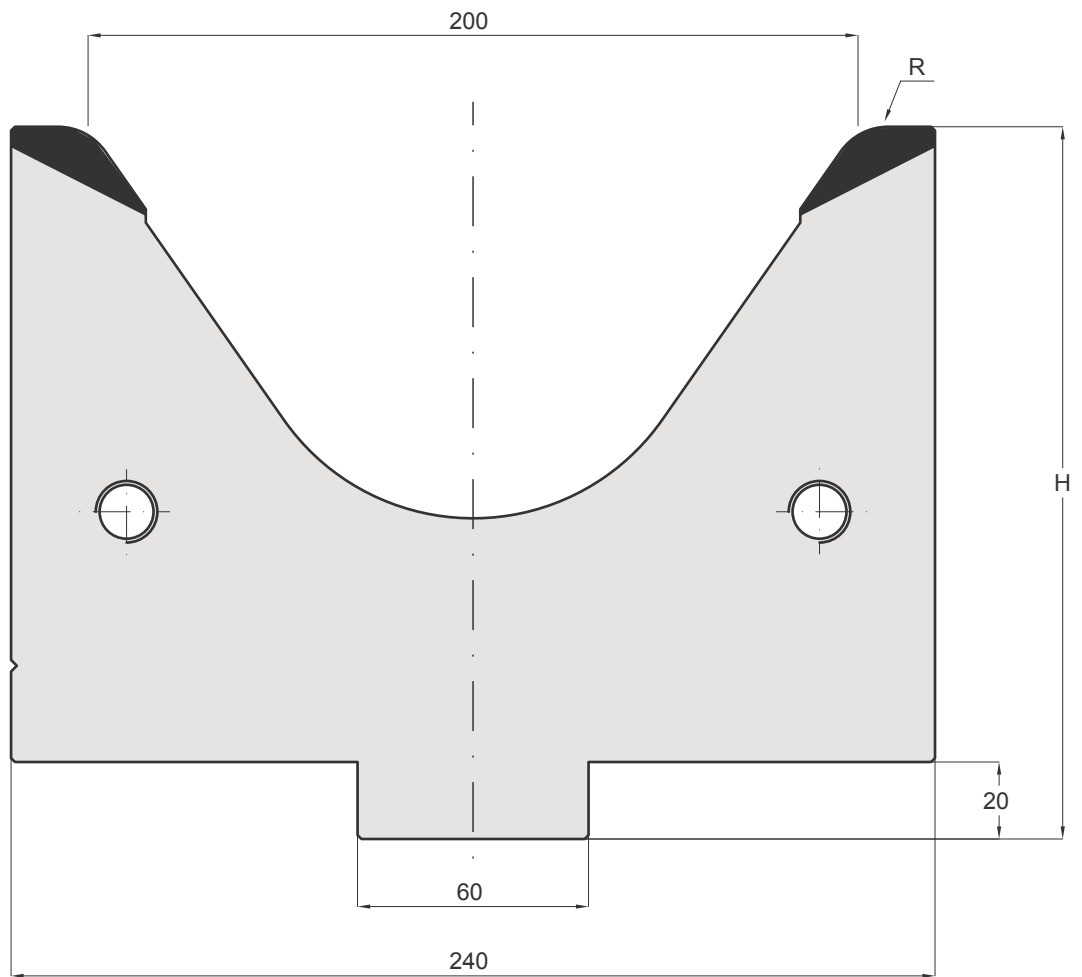
LENGTH | 200 | 415
SECTION | 805 |

CODE	α	V	R	H	T/Mt	Mt
21.160	80°	160	10.00	130.00	150	

80°

LENGTH | 200 | 415
SECTION | 805 |

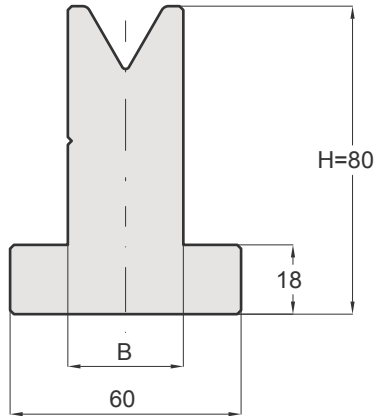
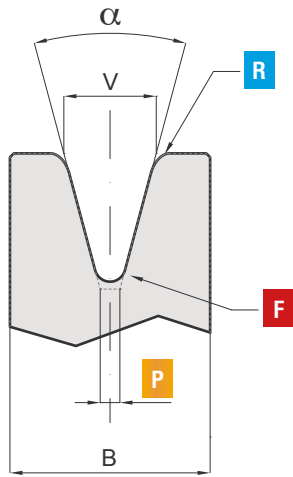
CODE	α	V	R	H	T/Mt	Mt
21.200	70°	200	15.00	185.00	200	



LENGTH | 200 415

MATRICI - DIES H=80

MATRICI - DIES - MATRICES - MATRIZES - MATRICES - MATRIZEN



88°
85°
60°
45°
35°
30°

	LEGENDA	LEGEND	LEYENDA	LEGENDA	LÉGENDE	LEGENDE
F	= FONDO MATRICE	= BOTTOM DIE	= FONDO MATRIZ	= FUNDO DA MATRIZ	= FOND MATRICE	= MATRIZENGRUND
R	= RAGGIO	= RADIUS	= RADIO	= RAIÓ	= RAYON	= RADIUS
P	= PIANO	= FLAT	= PLANO	= PLANO	= PLAN	= FLÄCHE

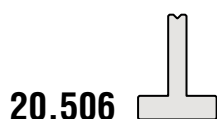
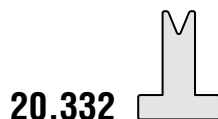
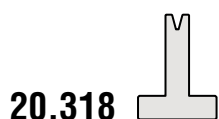
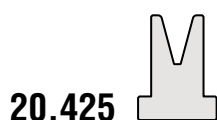
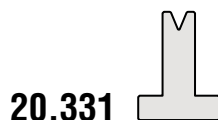
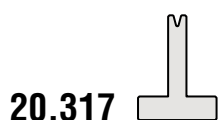
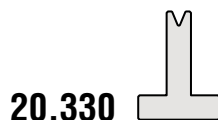
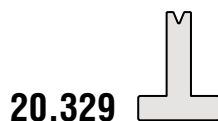
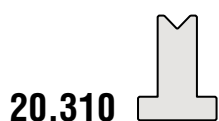
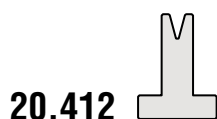
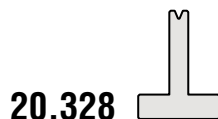
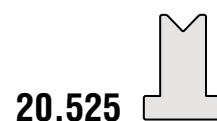
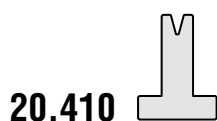
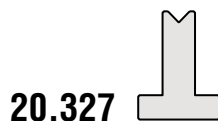
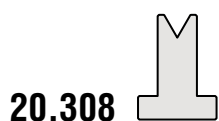
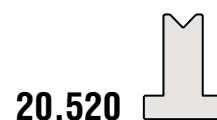
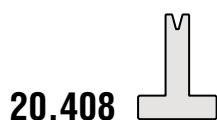
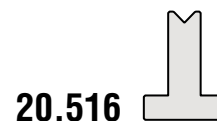
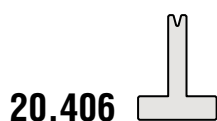
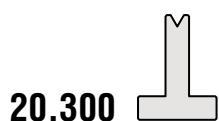
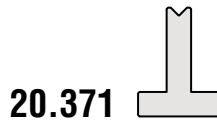
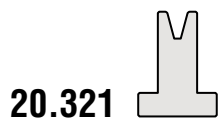
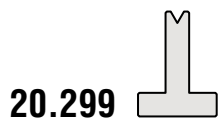
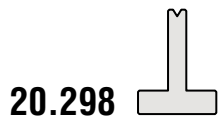
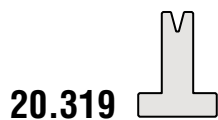
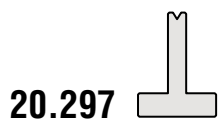
LENGTH	415	835
SECTION	805	

CODE	α	V	R	H	B	F	T/mt	Mt
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20.808	88°	8	1.00	80	14	R0.5	100	
20.810	88°	10	1.20	80	18	R0.5	100	
20.371	88°	12	1.50	80	18	R0.5	100	
20.327	88°	16	2.00	80	24	R0.5	100	
20.310	88°	20	2.00	80	30	R1.0	100	
20.309	88°	25	3.00	80	35	R1.0	100	
20.506	85°	6	1.50	80	14	R0.5	100	
20.508	85°	8	2.00	80	14	R0.5	100	
20.510	85°	10	2.50	80	18	R0.5	100	
20.512	85°	12	3.00	80	18	R0.5	100	
20.516	85°	16	3.50	80	24	R0.5	100	
20.520	85°	20	4.00	80	30	R1.0	100	
20.525	85°	25	5.00	80	35	R1.0	100	
20.297	60°	6	0.40	80	14	R0.5	60	
20.298	60°	8	0.50	80	14	R0.5	60	
20.299	60°	10	0.60	80	18	R0.5	60	
20.300	60°	12	0.80	80	18	R0.5	60	
20.301	60°	16	1.60	80	24	R0.7	60	
20.308	60°	20	2.00	80	30	R1.0	60	
20.311	60°	25	3.00	80	35	R1.0	60	
20.328	45°	6	0.60	80	14	R0.8	50	
20.329	45°	8	0.80	80	18	R0.8	50	

CODE	α	V	R	H	B	F	T/mt	Mt
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20.331	45°	12	1.50	80	24	R0.8	50	
20.332	45°	16	2.00	80	24	R1.5	50	
20.333	45°	20	2.50	80	30	R1.5	50	
20.334	45°	25	3.00	80	35	R1.5	50	
20.406	35°	6	1.50	80	14	R1.0	40	
20.408	35°	8	2.00	80	18	P2.0	40	
20.410	35°	10	2.50	80	24	P2.0	55	
20.412	35°	12	3.00	80	24	P2.0	45	
20.416	35°	16	3.50	80	30	P2.0	50	
20.420	35°	20	4.00	80	35	P5.0	60	
20.425	35°	25	5.00	80	40	P5.0	60	
20.317	30°	6	0.60	80	14	R1.0	35	
20.318	30°	8	0.80	80	18	P2.0	35	
20.319	30°	10	1.00	80	24	P2.0	50	
20.320	30°	12	1.50	80	24	P2.0	40	
20.321	30°	16	2.00	80	30	P5.0	45	
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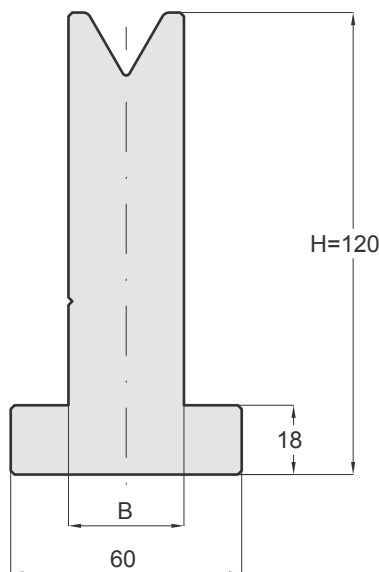
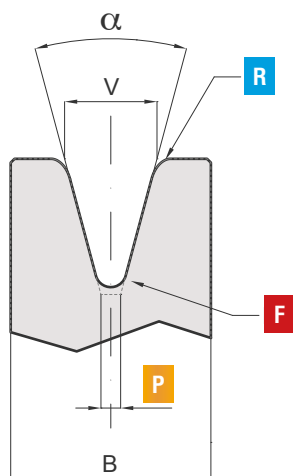
ELENCO MATRICI - LIST DIES

ELENCO - LIST - LISTADO - LISTA - LISTE - LISTE



MATRICI - DIES H=120

MATRICI - DIES - MATRICES - MATRIZES - MATRICES - MATRIZEN



88°
85°
60°
45°
35°
30°

LEGENDA	LEGEND	LEYENDA	LEGENDA	LÉGENDE	LEGENDE
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F	= FONDO MATRICE	BOTTOM DIE	FONDO MATRIZ	FUNDO DA MATRIZ	FOND. MATRICE	MATRIZENGRUND
R	= RAGGIO	RADIUS	RADIO	RAIO	RAYON	RADIUS
P	= PIANO	FLAT	PLANO	PLANO	PLAN	FLÄCHE

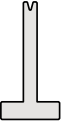
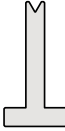
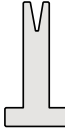
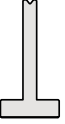
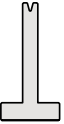
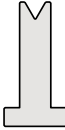
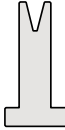
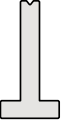
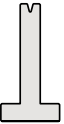
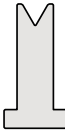
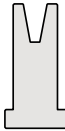
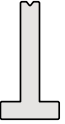
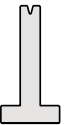
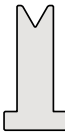
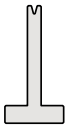
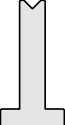
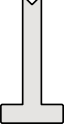
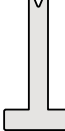
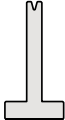
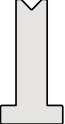
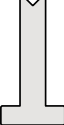
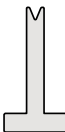
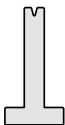
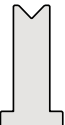
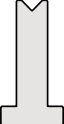
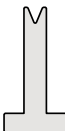
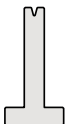
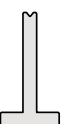
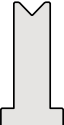
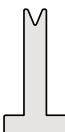
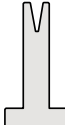
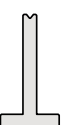
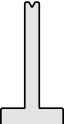
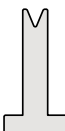
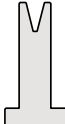
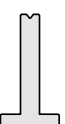
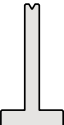
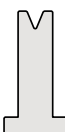
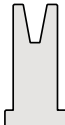
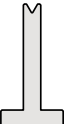
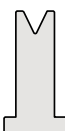
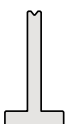
LENGTH | 415 835
SECTION | 805

CODE	α	V	R	H	B	F	T/mt	Mt
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21.808	88°	8	1.00	120	14	R0.5	100	■
21.810	88°	10	1.20	120	18	R0.5	100	■
20.382	88°	12	1.50	120	18	R0.5	100	■
20.383	88°	16	2.00	120	24	R0.5	100	■
20.384	88°	20	2.00	120	30	R1.0	100	■
20.385	88°	25	3.00	120	35	R1.0	100	■
21.506	85°	6	1.50	120	14	R0.5	100	■
21.508	85°	8	2.00	120	14	R0.5	100	■
21.510	85°	10	2.50	120	18	R0.5	100	■
21.512	85°	12	3.00	120	18	R0.5	100	■
21.516	85°	16	3.50	120	24	R0.5	100	■
21.520	85°	20	4.00	120	30	R1.0	100	■
21.525	85°	25	5.00	120	35	R1.0	100	■
20.386	60°	6	0.40	120	14	R0.5	60	■
20.387	60°	8	0.50	120	14	R0.5	60	■
20.388	60°	10	0.60	120	18	R0.5	60	■
20.389	60°	12	0.80	120	18	R0.5	60	■
20.390	60°	16	1.60	120	24	R0.7	60	■
20.391	60°	20	2.00	120	30	R1.0	60	■
20.392	60°	25	3.00	120	35	R1.0	60	■
20.393	45°	6	0.60	120	14	R0.8	50	■
20.394	45°	8	0.80	120	18	R0.8	50	■

CODE	α	V	R	H	B	F	T/mt	Mt
20.395	45°	10	1.00	120	18	R0.8	50	■
20.396	45°	12	1.50	120	24	R0.8	50	■
20.397	45°	16	2.00	120	24	R1.5	50	■
20.398	45°	20	2.50	120	30	R1.5	50	■
20.399	45°	25	3.00	120	35	R1.5	50	■
21.406	35°	6	1.50	120	14	R1.0	40	■
21.408	35°	8	2.00	120	18	P2.0	40	■
21.410	35°	10	2.50	120	24	P2.0	55	■
21.412	35°	12	3.00	120	24	P2.0	45	■
21.416	35°	16	3.50	120	30	P2.0	50	■
21.420	35°	20	4.00	120	35	P5.0	60	■
21.425	35°	25	5.00	120	40	P5.0	60	■
20.351	30°	6	0.60	120	14	R1.0	35	■
20.352	30°	8	0.80	120	18	P2.0	35	■
20.353	30°	10	1.00	120	24	P2.0	50	■
20.354	30°	12	1.50	120	24	P2.0	40	■
20.401	30°	16	2.00	120	30	P5.0	45	■
20.402	30°	20	2.50	120	35	P5.0	50	■
20.403	30°	25	3.00	120	40	P5.0	50	■

ELENCO MATRICI - LIST DIES

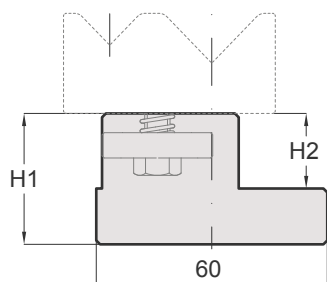
ELENCO - LIST - LISTADO - LISTA - LISTE - LISTE

20.351		20.389		20.401		21.508	
20.352		20.390		20.402		21.510	
20.353		20.391		20.403		21.512	
20.354		20.392		21.406		21.516	
20.382		20.393		21.408		21.520	
20.383		20.394		21.410		21.525	
20.384		20.395		21.412		21.806	
20.385		20.396		21.416		21.808	
20.386		20.397		21.420		21.810	
20.387		20.398		21.425			
20.388		20.399		21.506			

SUPPORTI MATRICE - DIE HOLDERS

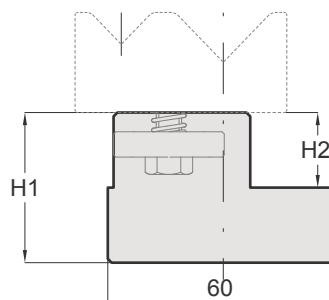
SUPPORTI - HOLDERS - SOPORTES - SUPORTE - SUPPORTS - HALTER

CODE	H1	H2	T/Mt	Mt
20.200	34.00	20.00	100	



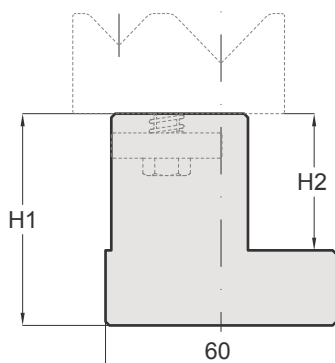
LENGTH | 412 830

CODE	H1	H2	T/Mt	Mt
20.316	39.00	20.00	100	



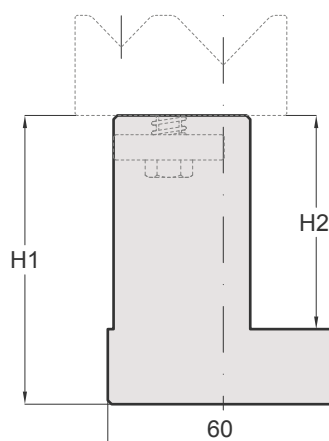
LENGTH | 412 830

CODE	H1	H2	T/Mt	Mt
20.201	55.00	35.00	100	



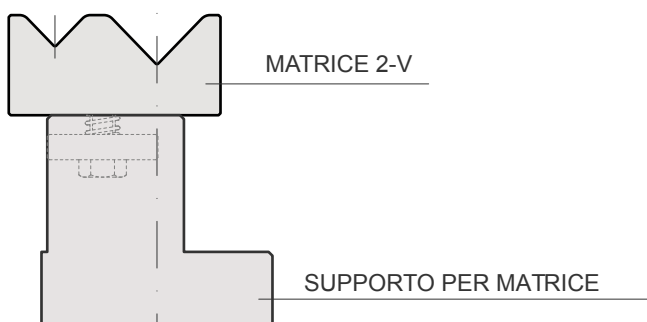
LENGTH | 412 830

CODE	H1	H2	T/Mt	Mt
20.306	75.00	55.00	100	



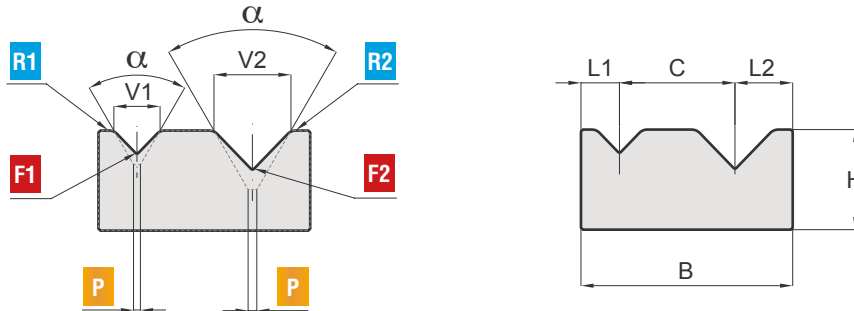
LENGTH | 412 830

SCHEMA DI MONTAGGIO - ASSEMBLY SCHEME - ESQUEMA DE MONTAJE - ESQUEMA DE MONTAGEM - SCHÉMA DE MONTAGE - MONTAGESCHEMA



MATRICI - DIES 2V H=26 / H=46

LE MATRICI STANDARD SONO DISPONIBILI A MAGAZZINO NELLE LUNGHEZZE DI: 415 mm - 835 mm (NON FRAZIONABILE)
 THE DIES ARE AVAILABLE IN THE FOLLOWING STANDARD LENGTHS: 415 mm - 835 mm (NOT SECTIONABLE)
 LAS MATRICES ESTÁN DISPONIBLES EN STOCK Y EN LONGITUDES DE: 415 mm - 835 mm (NO FRACCIONABLE)
 AS MATRIZES ESTÃO DISPONÍVEIS EM STOCK/ESTOQUE NOS COMPRIMENTOS: 415 mm - 835 mm (NÃO FRACIONADO)
 LES MATRICES STANDARDS SONT DISPONIBLES EN LONGUEURS: 415 mm - 835 mm (NON FRACTIONNABLE)
 DIE AB LAGER LIEFERBAREN STANDARD-MATRIZEN SIND IN FOLGENDEN LÄNGEN ERHÄLTICH: 415 mm - 835 mm (NICHT SEKTIONIERT)



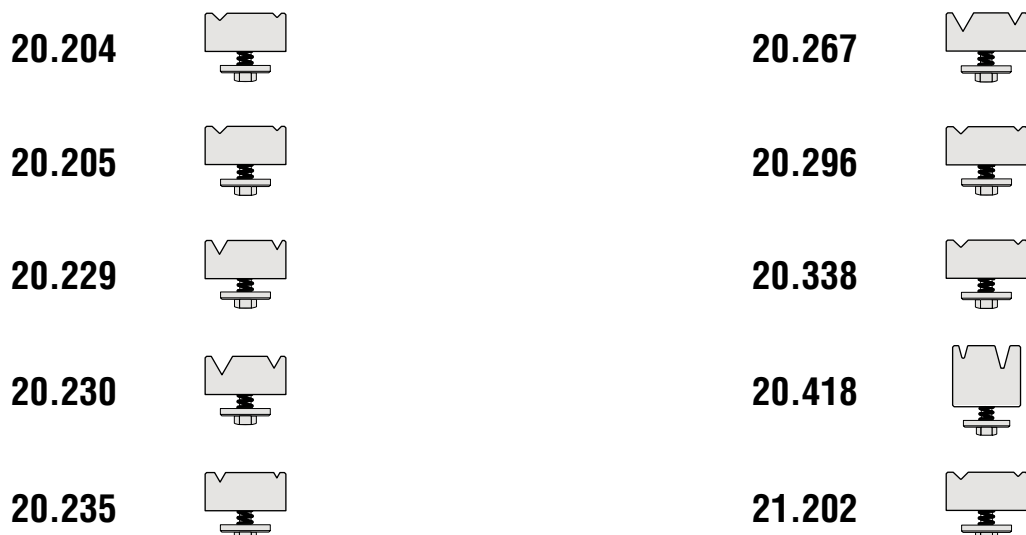
88°
60°
30°

F1 / F2	R1 / R2	P
FONDO MATRICE	RAGGIO	PIANO
BOTTOM DIE	RADIUS	FLAT
FONDO MATRIZ	RADIO	PLANO
FUNDO DA MATRIZ	RAIO	PLANO
FOND MATRICE	RAYON	PLAN
MATRIZENGRUND	RADIUS	FLÄCHE

LENGTH | 415 | 835

CODE	α	V1	V2	R1	R2	F1	F2	L1	L2	H	B	C	T/Mt	Mt
21.202	88°	6	10	0.80	1.20	R0.5	R0.5	6	10	26	55	39	100	
20.338	88°	8	12	1.00	1.50	R0.5	R0.5	8	10	26	55	37	100	
20.204	88°	12	20	2.75	3.00	R0.5	R0.5	10	15	26	55	30	100	
20.296	88°	14	18	2.75	3.00	R0.5	R0.5	11	13	26	55	31	100	
20.205	88°	16	25	2.75	3.00	R0.5	R0.5	12	16.5	26	55	26.5	100	
20.235	60°	6	10	0.4	0.60	R0.5	R0.5	6	10	26	55	39	60	
20.229	60°	8	12	0.5	0.80	R0.5	R0.5	8	10	26	55	37	60	
20.230	60°	12	20	0.8	1.50	R0.5	R0.5	10	15	26	55	30	60	
20.267	60°	16	20	1.6	2.00	R0.7	R0.7	12	15	26	55	28	60	
20.418	30°	8	12	0.80	1.50	P2.0	P2.0	9.5	14.5	46	50	26	40	

ELENCO - LIST - LISTADO - LISTA - LISTE - LISTE



SUPPORTI MATRICE - DIE HOLDERS

SUPPORTI - HOLDERS - SOPORTES - SUPORTE - SUPPORTS - HALTER

CODE	H1	H2	T/Mt	Mt
20.287	10.00	15.00	100	

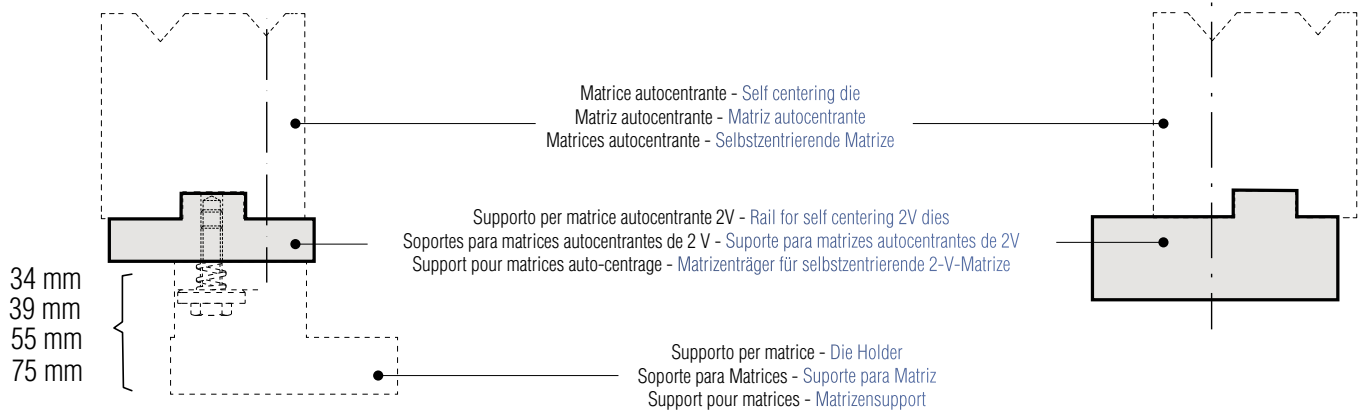
LENGTH | 415 835

CODE	H1	H2	T/Mt	Mt
20.400	20.00	25.00	100	

LENGTH | 415 835

CODE	H1	H2	T/Mt	Mt
20.336	20.00	25.00	100	

SCHEMA DI MONTAGGIO - ASSEMBLY SCHEME - ESQUEMA DE MONTAJE - ESQUEMA DE MONTAGEM - SCHÉMA DE MONTAGE - MONTAGESCHEMA



MATRICI - DIES 2V H=46

LE MATRICI STANDARD SONO DISPONIBILI A MAGAZZINO NELLE LUNGHEZZE DI: 415 mm - 835 mm E FRAZIONATI (805 mm)

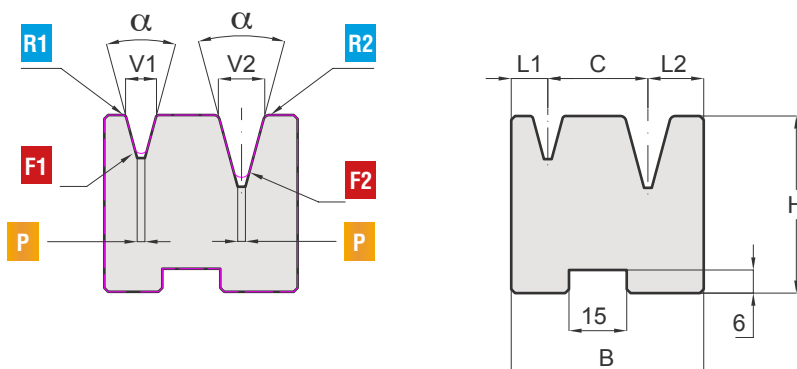
THE DIES ARE AVAILABLE IN THE FOLLOWING STANDARD LENGTHS: 415 mm - 835 mm AND SECTIONED (805 mm)

LAS MATRICES ESTÁN DISPONIBLES EN STOCK Y EN LONGITUDES DE: 415 mm - 835 mm Y FRACCIONADOS (805 mm)

AS MATRIZES ESTÃO DISPONÍVEIS EM STOCK/ESTOQUE NOS COMPRIMENTOS: 415 mm - 835 mm E FRACIONADOS (805mm)

LES MATRICES STANDARDS SONT DISPONIBLES EN LONGUEURS: 415 mm - 835 mm ET FRACTIONNÉES (805mm)

DIE AB LAGER LIEFERBAREN STANDARD-MATRIZEN SIND IN FOLGENDEN LÄNGEN ERHÄLTlich: 415 mm - 835 mm UND SEKTIONIERT E LÄNGE (805 mm)



88°
85°
30°

LEGENDA	LEGEND	LEYENDA	LEGENDA	LÉGENDE	LEGENDE	
F1 / F2	= FONDO MATRICE	BOTTOM DIE	FONDO MATRIZ	FUNDO DA MATRIZ	FOND MATRICE	MATRIZENGRUND
R1 / R2	= RAGGIO	RADIUS	RADIO	RAIO	RAYON	RADIUS
P	= PIANO	FLAT	PLANO	PLANO	PLAN	FLÄCHE

LENGTH	415	835
SECTION	805	

CODE	α	V1	V2	R1	R2	F1	F2	L1	L2	H	B	C	T/Mt	Mt
21.275	88°	4	7	0.60	1.00	R0.5	R0.5	3.5	5	46	34.5	26	80	
21.276	88°	6	10	0.80	1.20	R0.5	R0.5	4.5	6.5	46	37	26	80	
20.339	88°	8	12	1.00	1.50	R0.5	R0.5	5.5	7.5	46	39	26	80	
20.279	88°	12	20	0.80	1.75	R0.5	R0.5	7.5	12	46	45.5	26	80	
20.278	88°	14	18	1.25	1.50	R0.5	R0.5	8.5	10.5	46	45	26	80	
20.280	88°	16	25	1.50	1.75	R0.5	R0.5	9.5	14.5	46	50	26	80	
20.344	85°	4	7	0.60	1.00	R0.5	R0.5	3.5	5	46	34.5	26	80	
20.345	85°	6	10	1.00	1.50	R0.5	R0.5	4.5	6.5	46	37	26	80	
20.346	85°	8	12	1.20	1.75	R0.5	R0.5	5.5	7.5	46	39	26	80	
20.347	85°	12	20	1.75	2.50	R0.5	R0.5	7.5	12	46	45.5	26	80	
20.349	85°	14	18	1.50	2.00	R0.5	R0.5	8.5	10.5	46	45	26	80	
20.348	85°	16	25	2.00	3.00	R0.5	R1.0	9.5	14.5	46	50	26	80	
20.438	30°	6	10	0.60	1.00	R1.0	P2.0	7	12	46	45	26	40	
20.478	30°	8	12	0.80	1.50	P2.0	P2.0	9.5	14.5	46	50	26	40	

ELENCO - LIST - LISTADO - LISTA - LISTE - LISTE

20.278



20.345



20.438



20.279



20.346



20.478



20.280



20.347



21.275



20.339



20.348



21.276



20.344



20.349

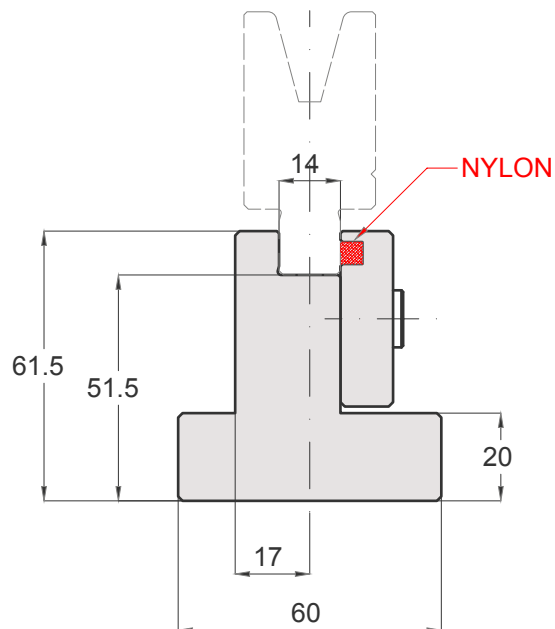


SUPPORTI MATRICE - DIE HOLDERS

SUPPORTI - HOLDERS - SOPORTES - SUPORTE - SUPPORTS - HALTER

CODE	Mt
22.010	

BLOCCAGGIO STANDARD - 8 VITI NORMAL LOCKING - 8 SCREWS

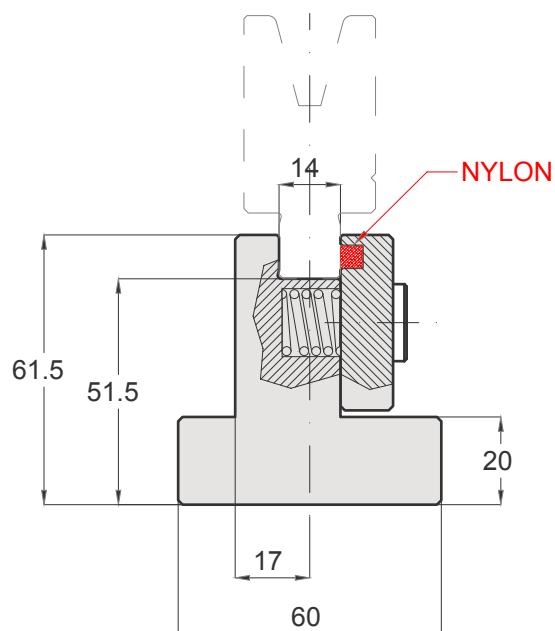


LENGTH 415 835



CODE	Mt
22.020	

BLOCCAGGIO VELOCE - 2 VITI FAST LOCKING, 2 SCREWS



LENGTH 415 835



INSERTI MATRICE - DIE INSERTS

LE MATRICI STANDARD SONO DISPONIBILI A MAGAZZINO NELLE LUNGHEZZE DI: 415 mm - 835 mm E FRAZIONATI (805 mm)

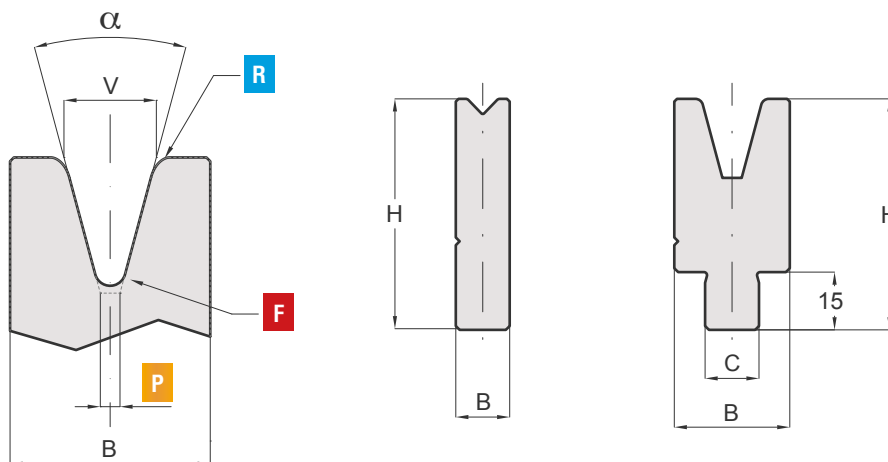
THE DIES ARE AVAILABLE IN THE FOLLOWING STANDARD LENGTHS: 415 mm - 835 mm AND SECTIONED (805 mm)

LAS MATRICES ESTÁN DISPONIBLES EN STOCK Y EN LONGITUDES DE: 415 mm - 835 mm Y FRACCIONADOS (805 mm)

AS MATRIZES ESTÃO DISPONÍVEIS EM STOCK/ESTOQUE NOS COMPRIMENTOS: 415 mm - 835 mm E FRACIONADOS (805 mm)

LES MATRICES STANDARDS SONT DISPONIBLES EN LONGUEURS: 415 mm - 835 mm ET FRACTIONNÉES (805 mm)

DIE AB LAGER LIEFERBAREN STANDARD-MATRIZEN SIND IN FOLGENDEN LÄNGEN ERHÄLTlich: 415 mm - 835 mm UND SEKTIONIERT E LÄNGE (805 mm)



88°
84°
60°
45°
30°

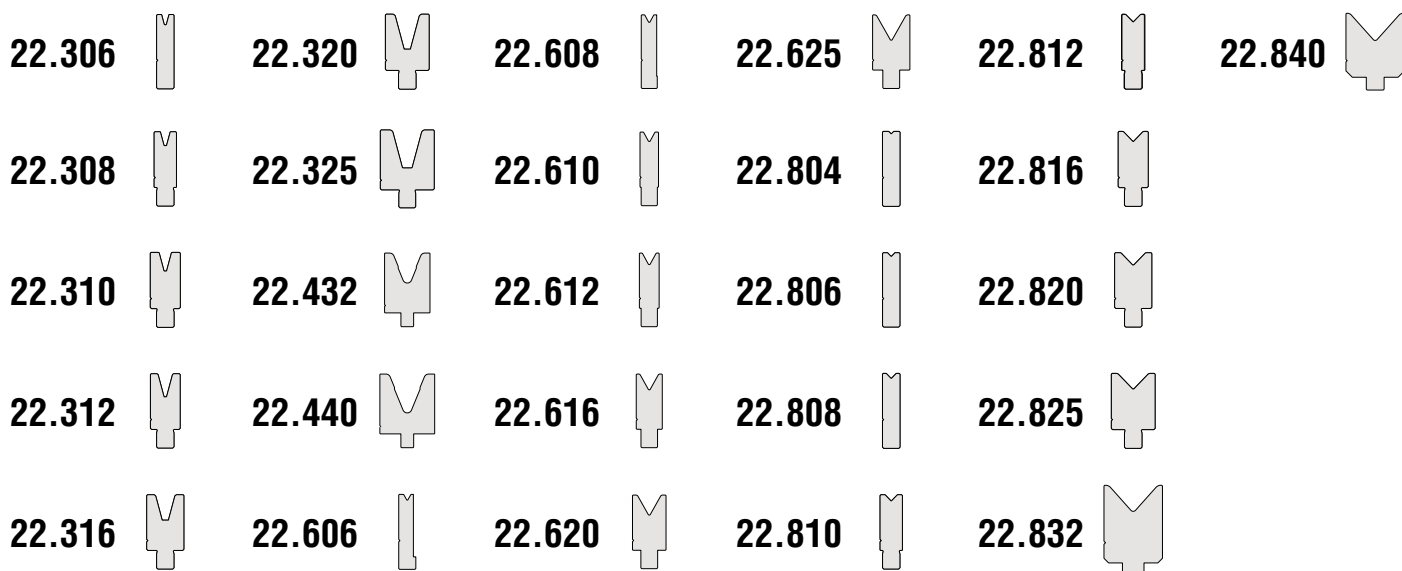
LEGENDA	LEGEND	LEYENDA	LEGENDA	LÉGENDE	LEGENDE
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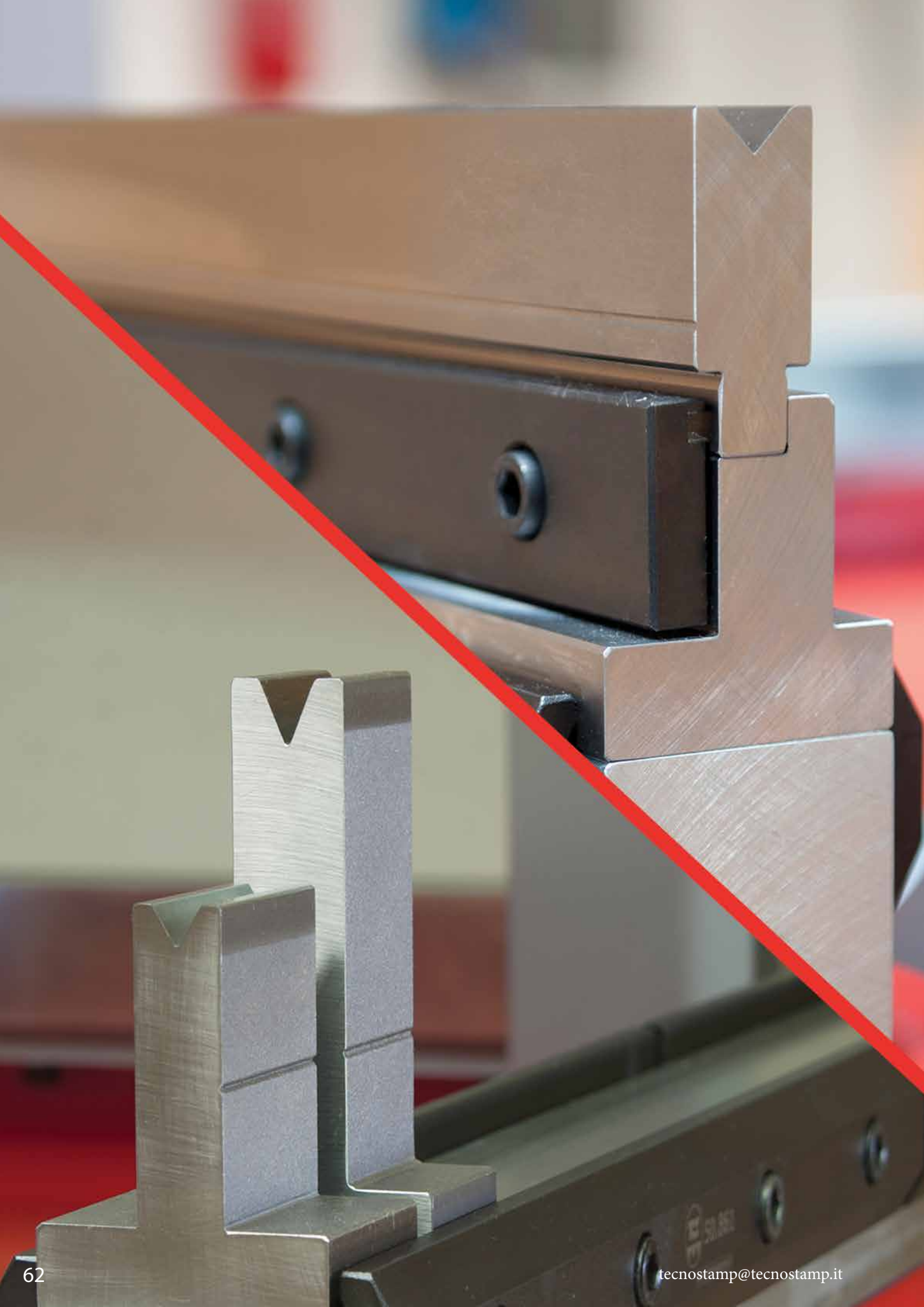
F	= FONDO MATRICE	BOTTOM DIE	FONDO MATRIZ	FUNDO DA MATRIZ	FOND MATRICE	MATRIZENGRUND
R	= RAGGIO	RADIUS	RADIO	RAIO	RAYON	RADIUS
P	= PIANO	FLAT	PLANO	PLANO	PLAN	FLÄCHE

LENGTH	415	835
SECTION	805	

CODE	α	V	R	H	B	C	F	T/mt	Mt	CODE	α	V	R	H	B	C	F	T/mt	Mt
22.804	88°	4	0.60	60	14	/	R0.5	100	■	22.612	60°	12	1.20	60	17	14	R1.0	55	■
22.806	88°	6	0.80	60	14	/	R0.5	100	■	22.616	60°	16	1.60	60	22	14	R1.0	65	■
22.808	88°	8	1.00	60	14	/	R0.5	100	■	22.620	60°	20	2.00	60	28	14	R1.0	85	■
22.810	88°	10	1.20	60	18	14	R0.5	100	■	22.625	60°	25	2.50	60	31	14	R1.0	85	■
22.812	88°	12	1.50	60	18	14	R0.5	100	■	22.432	45°	32	5.00	80	50	14	R5.0	100	■
22.816	88°	16	2.00	60	24	14	R0.5	100	■	22.440	45°	40	5.00	80	60	14	R5.0	100	■
22.820	88°	20	2.00	60	30	14	R1.0	100	■	22.306	30°	6	0.60	60	14	/	R1.0	35	■
22.825	88°	25	3.00	60	35	14	R1.0	100	■	22.308	30°	8	0.80	60	18	14	P2.0	35	■
22.832	84°	32	4.00	60	38	14	R2.0	100	■	22.310	30°	10	1.00	60	24	14	P2.0	50	■
22.840	84°	40	4.00	60	46	14	R2.0	100	■	22.312	30°	12	1.50	60	24	14	P2.0	40	■
22.606	60°	6	0.60	60	12	14	R0.6	38	■	22.316	30°	16	2.00	60	30	14	P5.0	45	■
22.608	60°	8	0.80	60	13.5	14	R0.8	45	■	22.320	30°	20	2.50	60	35	14	P5.0	50	■
22.610	60°	10	1.00	60	16	14	R1.0	55	■	22.325	30°	25	3.00	65	45	14	P8.0	50	■

ELENCO - LIST - LISTADO - LISTA - LISTE - LISTE





PIEGASCHIACCIA HEMMING TOOLS



RED LINE

AMADA - PROMECAM STYLE

PIEGASCHIACCIA - HEMMING TOOLS

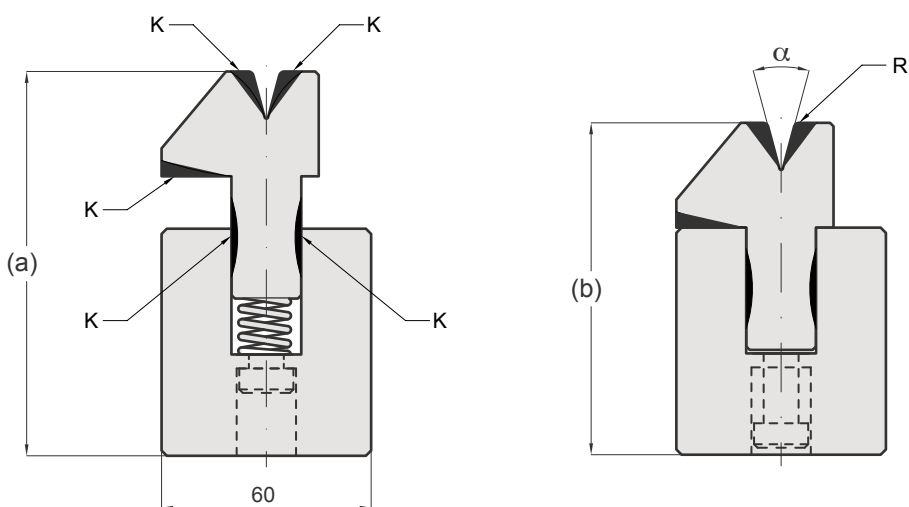
UTILLAJE PLEGAR/APLASTAR - FERRAMENTA ESMAGAMENTO/AMASSAMENTO

OUTIL À ÉCRASER - ZUDRÜCKWERKZEUGE

MATRICE PIEGASCHIACCIA - HEMMING DIE

MATRICE PIEGASCHIACCIA - HEMMING DIE - MATRICES PLEGAR Y APLASTAR

MATRIZ DE ESMAGAMENTO/AMASSAMENTO PNEUMÁTICA - MATRICES OUTIL À ÉCRASER - PNEUMATISCHE ZUDRÜCKWERKZEUGE



	LEGENDA	LEGEND	LEYENDA	LEGENDA	LÉGENDE	LEGENDE
(a)	= APERTO	OPEN	ABIERTO	ABERTO	OUVERT	OFFEN
(b)	= CHIUSO	CLOSED	CERRADO	FECHADO	FERMÉ	GESCHLOSSEN
R	= RAGGIO	RADIUS	RADIO	RAIO	RAYON	RADIUS
K	= PARTI USURABILI	WEAR PARTS	ZONA DE DESGASTE	ZONA DE DESGASTE	ZONES D'USURE	VERSCHLEISSTEILE



PARTI DI RICAMBIO - SPARE PARTS - RECAMBIOS - PEÇAS DE SUBSTITUIÇÃO - PIÈCES DE RECHANGE - ERSATZTEILE

CODE

70.100



CODE

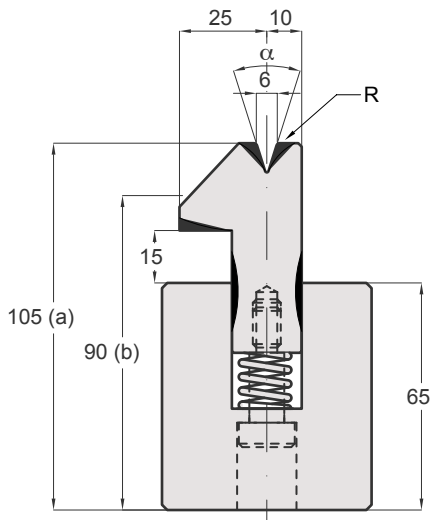
70.102



MATRICE PIEGASCHIACCIA - HEMMING DIE

CODE	α	R	T/Mt	Mt
20.264	35°	1.00	60	

35°



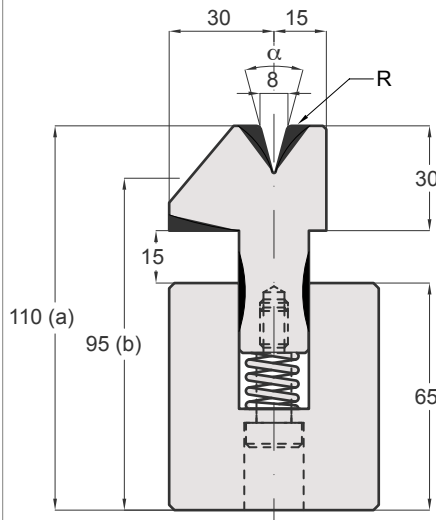
Max sp 1mm	Max tk 1mm	Máx. esp 1mm
Max esp 1mm	Max t 1mm	Max t 1mm

LENGTH | 415 | 835



CODE	α	R	T/Mt	Mt
20.303	30°	1.50	80	

30°



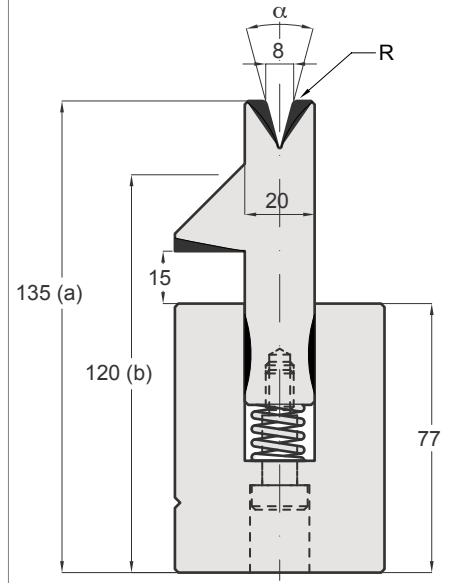
Max sp 1.5mm	Max tk 1.5mm	Máx. esp 1.5mm
Max esp 1.5mm	Max t 1.5mm	Max t 1.5mm

LENGTH | 415 | 835



CODE	α	R	T/Mt	Mt
20.450	30°	1.50	60	

30°



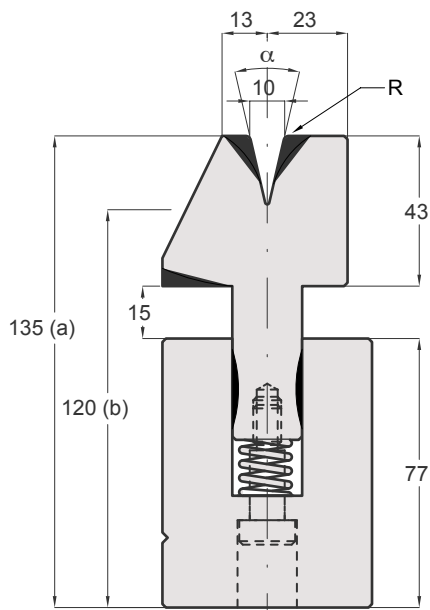
Max sp 1.5mm	Max tk 1.5mm	Máx. esp 1.5mm
Max esp 1.5mm	Max t 1.5mm	Max t 1.5mm

LENGTH | 415 | 835



CODE	α	R	T/Mt	Mt
20.231	26°	1.50	100	

26°



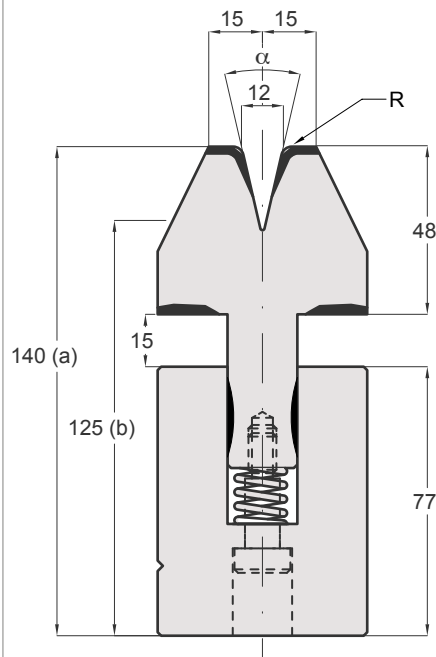
Max sp 2mm	Max tk 2mm	Máx. esp 2mm
Max esp 2mm	Max t 2mm	Max t 2mm

LENGTH | 415 | 835



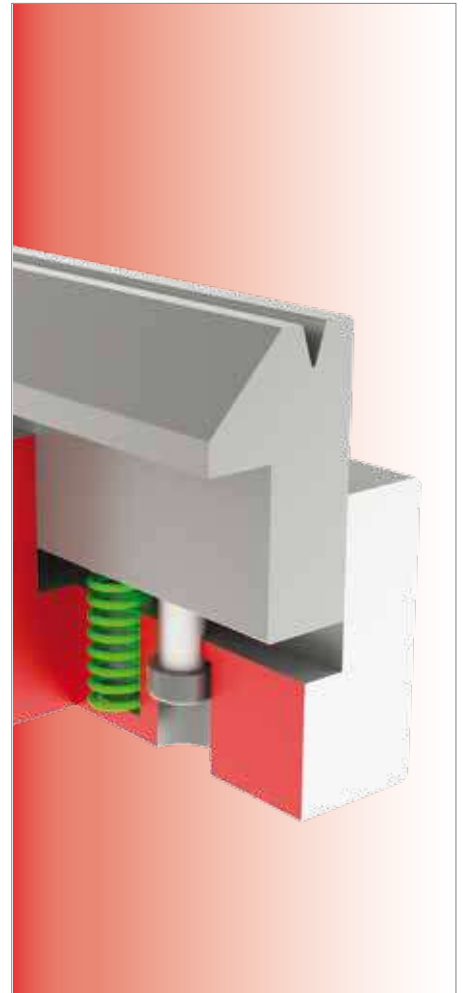
CODE	α	R	T/Mt	Mt
20.305	26°	3.00	100	

26°



Max sp 3mm	Max tk 3mm	Máx. esp 3mm
Max esp 3mm	Max t 3mm	Max t 3mm

LENGTH | 415 | 835



PIEGASCHIACCIA PNEUMATICO - PNEUMATIC HEMMING DIE

MATRICI PIEGASCHIACCIA - PNEUMATIC HEMMING DIES - MATRICES DE PLEGAR Y APLASTAR NEUMATICAS - MATRIZ DE ESMAGAMENTO/AMASSAMENTO PNEUMÁTICA
MATRICES MOBILES A FONTIONNEMENT PNEUMATIQUE - PNEUMATISCHE ZUDRÜCKWERKZEUGE



PIEGASCHIACCIA PNEUMATICO

possono essere fornite di cilindri anziché di molle ricavandone rilevanti vantaggi:

- A) minor usura degli utensili;
- B) maggior precisione di piega;
- C) recupero di 15 mm di luce e quindi di corsa con conseguente riduzione dei tempi di lavorazione.

PNEUMATIC FLATTENING DIES

can be supplied with pneumatic cylinder instead of springs getting the following benefits:

- A) Less wear
- B) More precise bending
- C) Saving 15 mm light and stroke with reduction of working time.

MATRICES DE PLEGAR Y APLASTAR NEUMATICAS

se pueden suministrar con cilindros neumáticos en lugar de muelles, con la siguientes ventajas:

- A) Menor desgaste de los utilajes
- B) Mayor precisión de plegado
- C) Recuperar 15 mm de luz, es decir de carrera con el consiguiente ahorro de tiempos en el plegado.

MATRIZ DE ESMAGAMENTO/AMASSAMENTO PNEUMÁTICA

podem ser fornecidas com cilindros pneumáticos no lugar das molas, com as seguintes vantagens:

- A) Menor desgaste das ferramentas
- B) Maior precisão de quinagem/dobra.
- C) poupa 15mm de abertura e curso, reduzindo o tempo de trabalho.

MATRICES MOBILES A FONTIONNEMENT PNEUMATIQUE

peuvent être équipées de vérins au lieu de ressorts ce qui donne les avantages suivants:

- A) moins d'usure des outils
- B) meilleure précision de pliage
- C) récupération de 15mm de passage donc de course par conséquent une réduction des temps de travail.

PNEUMATISCHE ZUDRÜCKWERKZEUGE

können mit Zylindern ausgestattet werden anstatt mit Federn und bieten deswegen folgende Vorteile:

- A) Die Abnutzung der Werkzeuge wird reduziert
- B) Höhere Biegegenauigkeit
- C) 15mm weniger Hub, dadurch kürzere Produktionszeiten.

PARTI DI RICAMBIO - SPARE PARTS - RECAMBIOS - PEÇAS DE SUBSTITUIÇÃO - PIÈCE DE RECHANGE - ERSATZTEILE

CODE

50.720



CODE

70.121



CODE

70.123



CODE

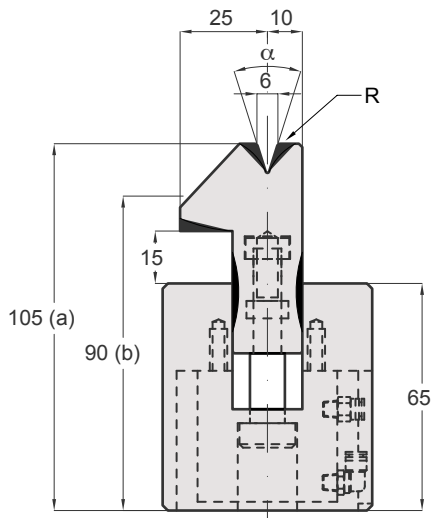
70.120



PIEGASCHIACCIA PNEUMATICO - PNEUMATIC HEMMING DIE

CODE	α	R	T/Mt	Mt
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35°



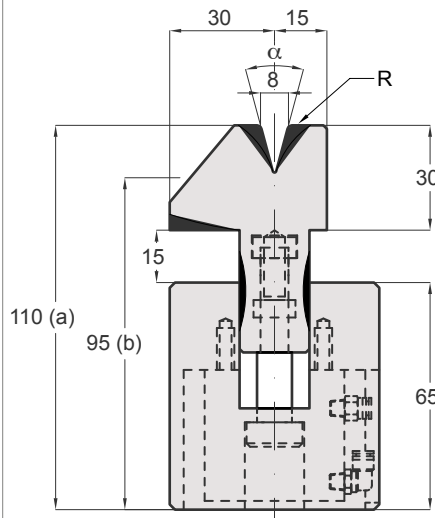
Max sp 1mm	Max tk 1mm	Máx. esp 1mm
Max esp 1mm	Max t 1mm	Max t 1mm

LENGTH | 415 | 835



CODE	α	R	T/Mt	Mt
21.303	30°	1.50	80	

30°



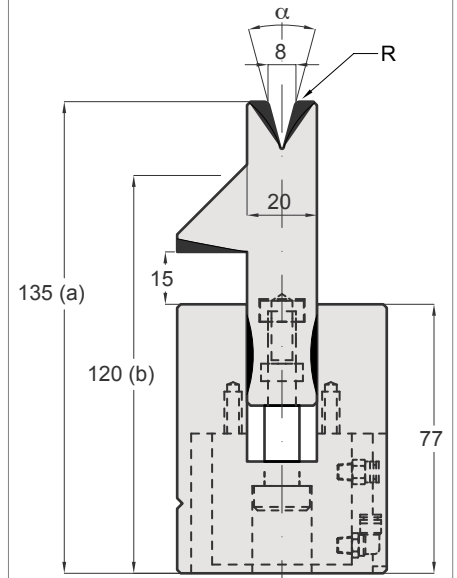
Max sp 1.5mm	Max tk 1.5mm	Máx. esp 1.5mm
Max esp 1.5mm	Max t 1.5mm	Max t 1.5mm

LENGTH | 415 | 835



CODE	α	R	T/Mt	Mt
21.450	30°	1.50	60	

30°



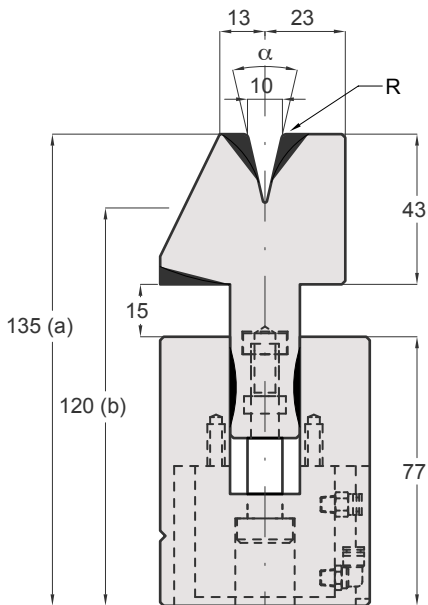
Max sp 1.5mm	Max tk 1.5mm	Máx. esp 1.5mm
Max esp 1.5mm	Max t 1.5mm	Max t 1.5mm

LENGTH | 415 | 835



CODE	α	R	T/Mt	Mt
21.231	26°	1.50	100	

26°



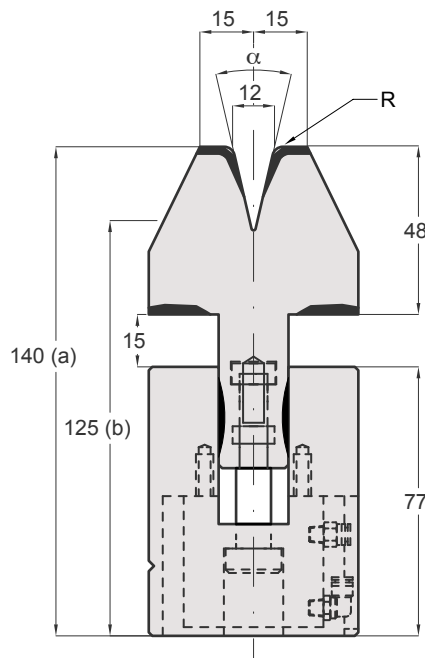
Max sp 2mm	Max tk 2mm	Máx. esp 2mm
Max esp 2mm	Max t 2mm	Max t 2mm

LENGTH | 415 | 835



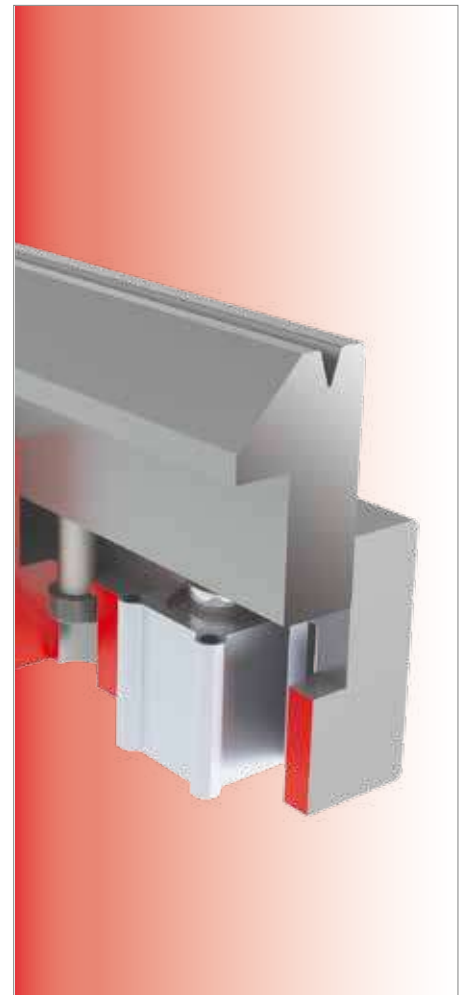
CODE	α	R	T/Mt	Mt
21.305	26°	3.00	100	

26°



Max sp 3mm	Max tk 3mm	Máx. esp 3mm
Max esp 3mm	Max t 3mm	Max t 3mm

LENGTH | 415 | 835

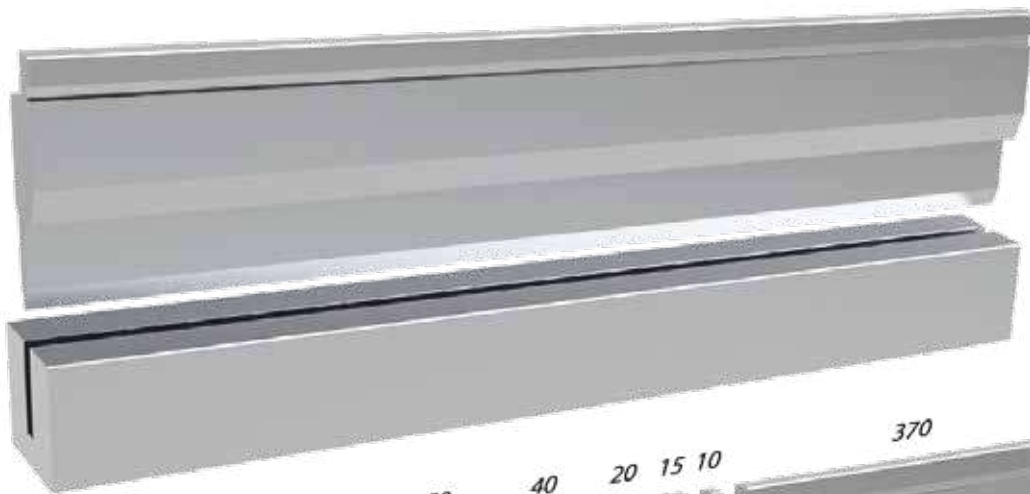


PIEGASCHIACCIA - HEMMING TOOLS

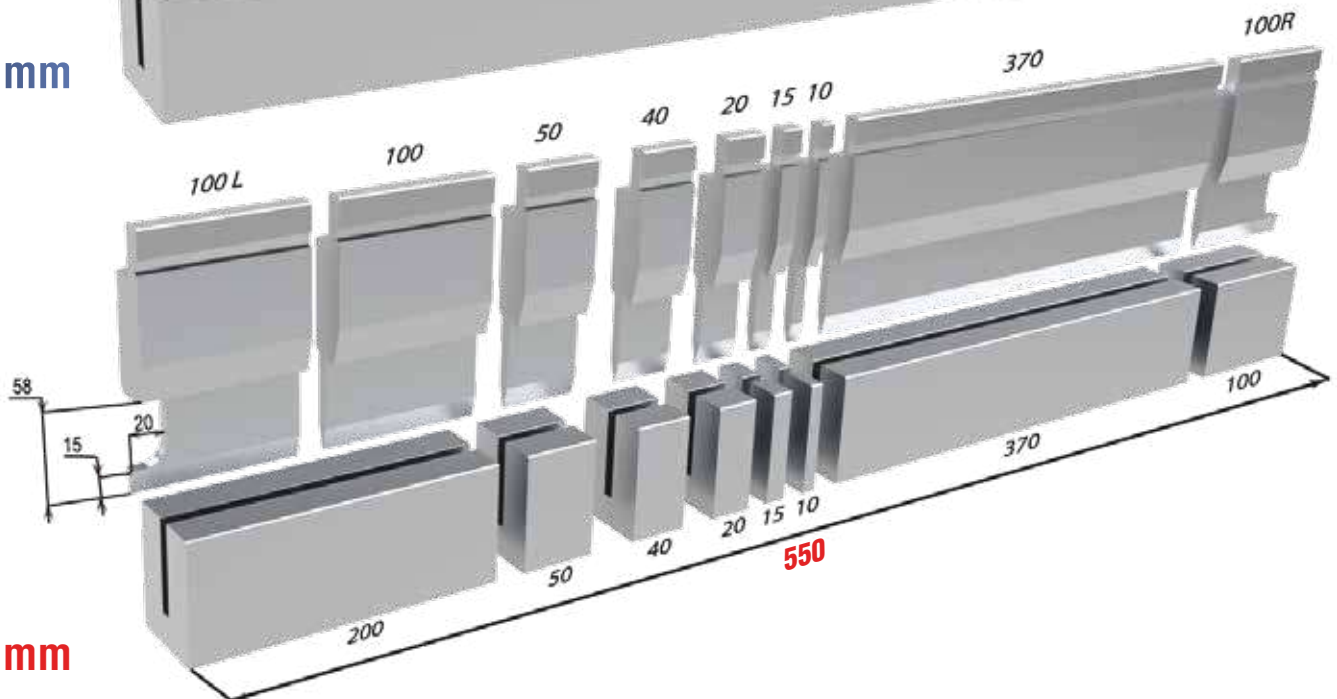
PIEGASCHIACCIA - HEMMING TOOLS - UTILLAJE PLEGAR/APLSTAR - FERRAMENTA ESMAGAMENTO/AMASSAMENTO - OUTIL À ÉCRASER - ZUDRÜCKWERKZEUGE



415 mm



835 mm



805 mm

IL CARICO MASSIMO DELLE SCARPETTE CORRISPONDE AL 30% DEL CARICO MASSIMO INDICATO SUL PUNZONE.
 THE FMAX OF THE HORN EXTENSIONS IS 30% OF THE FMAX OF THE PUNCH.
 LA CARGA MÁXIMA EN LA BIGORNIAS, ES EL 30% DEL TONELAJE MÁXIMO INDICADO EN LOS PUNZONES.
 A CARGA MÁXIMA NAS BIGORNAS É DE 30% DA TONELAGEM TOTAL MÁXIMA INDICADA PARA O PUNÇÃO.
 LA FMAX DES BIGORNES REPRÉSENTE 30% DE LA FMAX DU POINÇON.
 DIE FMAX DER HORNSTÜCKE BETRÄGT 30% DER FMAX DES STEMPELS

LENGTH	415	835
SECTION	805	

PIEGASCHIACCIA - HEMMING TOOLS

PIEGASCHIACCIA - HEMMING TOOLS - UTILLAJE PLEGAR/APLSTAR - FERRAMENTA ESMAGAMENTO/AMASSAMENTO - OUTIL À ÉCRASER - ZUDRÜCKWERKZEUGE

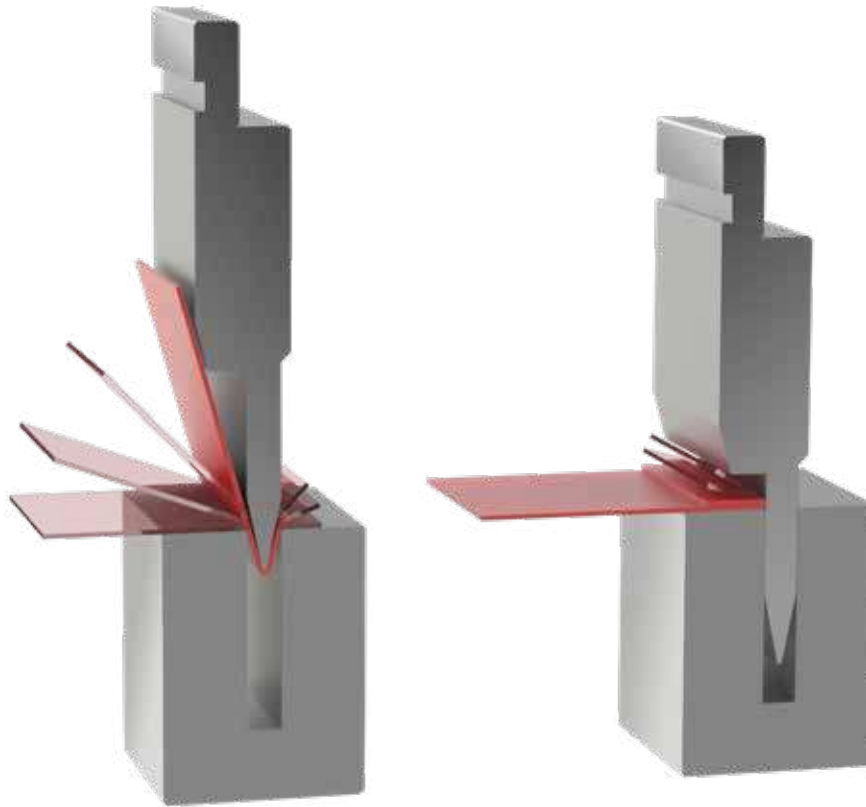
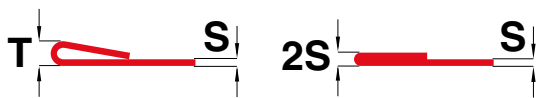


TABELLA DI PIEGATURA - BENDING CHART - TABLA DE PLEGADO - TABELA DE QUINAGEM/DOBRA - ABAQUE DE PLIAGE - PRESSKRAFTTABELLE

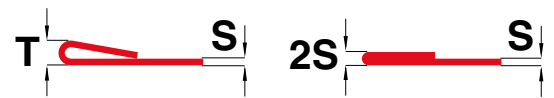
MATERIAL ACC.R ~ 40 Kg/MM²



MATERIAL ACC.R ~ 40 Kg/MM²

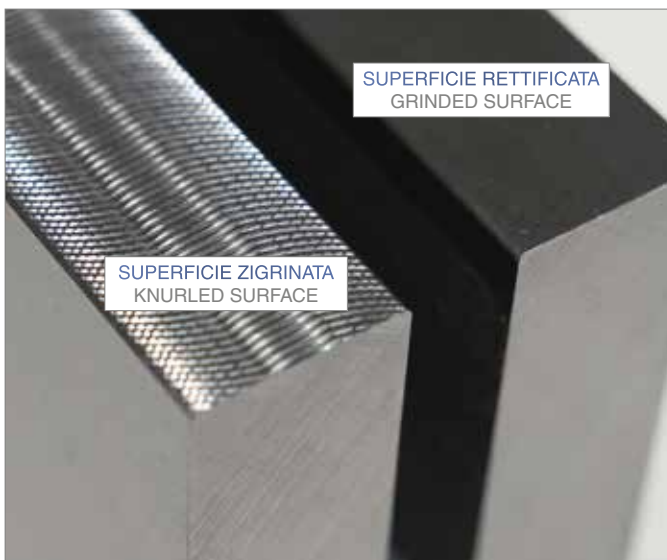
S (mm)	(t/m)	T (mm)	(t/m)	2S(mm)
0,6	9	3	23	1,2
0,8	12	3	32	1,6
1,0	15	3,5	40	2,0
1,25	17	3,5	50	2,5
1,5	22	4,6	63	3,0
2,0	30	5,5	80	4,0
2,5	55	6,5	90	5,0
3,0	70	8,0	100	6,0

MATERIAL ACC.R ~ 70 Kg/MM²



MATERIAL ACC.R ~ 70 Kg/MM²

S (mm)	(t/m)	T (mm)	(t/m)	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



CODE	α	R	H	T/Mt	Mt
11.550	24°	0.60	128.00	80	

LENGTH | 415 | 835
SECTION | 805 |

CODE	α	R	H	T/Mt	Mt
11.554	24°	0.60	128.00	80	

LENGTH | 415 | 835
SECTION | 805 |

CODE	α	R	H	T/Mt	Mt
11.560	24°	0.60	128.00	80	

LENGTH | 415 | 835
SECTION | 805 |

CODE	R	H	T/Mt	Mt
20.550	1.00	80.00	50	

SUPERFICIE ZIGRINATA
KNURLED SURFACE

SUPERFICIE RETTIFICATA
GRINDED SURFACE

Max sp 1mm Max tk 1mm Máx. esp 1mm
Max esp 1mm Max t 1mm Max t 1mm

LENGTH | 415 | 835
SECTION | 805 |

CODE	R	H	T/Mt	Mt
20.554	1.00	80.00	50	

SUPERFICIE ZIGRINATA
KNURLED SURFACE

SUPERFICIE RETTIFICATA
GRINDED SURFACE

Max sp 1,5mm Max tk 1,5mm Máx. esp 1,5mm
Max esp 1,5mm Max t 1,5mm Max t 1,5mm

LENGTH | 415 | 835
SECTION | 805 |

CODE	R	H	T/Mt	Mt
20.560	1.00	80.00	50	

SUPERFICIE ZIGRINATA
KNURLED SURFACE

SUPERFICIE RETTIFICATA
GRINDED SURFACE

Max sp 2mm Max tk 2mm Máx. esp 2mm
Max esp 2mm Max t 2mm Max t 2mm

LENGTH | 415 | 835
SECTION | 805 |

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70.949		28
70.1050		28

I NOSTRI CATALOGHI - OUR CATALOGS

**AMADA
PROMECAM**



RED LINE

TRUMPF



BLUE LINE

WILA



PLATINUM LINE

**BYSTRONIC
BEYELER**



ORANGE LINE

LVD



BLACK LINE

**AJIAL
AMERICAN
COLGAR
COLLY
HÄMMERLE
EHT
NEWTON
WEINBRENNER**



RAINBOW LINE

**NO
MARKING
TOOLS**



CORAL LINE

**ADAPTERS
FOR ALL
PRESS
BRAKES**



MAGENTA LINE

**SHEAR
BLADES**



YELLOW LINE

**ACCESSORIES
FOR ALL
PRESS
BRAKES**



GREEN LINE

**WORKING
MODIFICATION
REFURBISHED
TOOLING**



SILVER LINE

**SPECIAL
TOOLING
FOR ALL PRESS
BRAKES**



GOLD LINE

I CATALOGHI SONO DISPONIBILI SUL SITO WEB
THE CATALOGS ARE AVAILABLE ON THE WEBSITE
LOS CATÁLOGOS ESTÁN DISPONIBLES EN EL SITIO WEB
OS CATÁLOGOS ESTÃO DISPONÍVEIS NO SITE
LES CATALOGUES SONT DISPONIBLES SUR LE SITE WEB
DIE KATALOGE SIND AUF DER WEBSITE VERFÜGBAR



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TecnosTamp



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