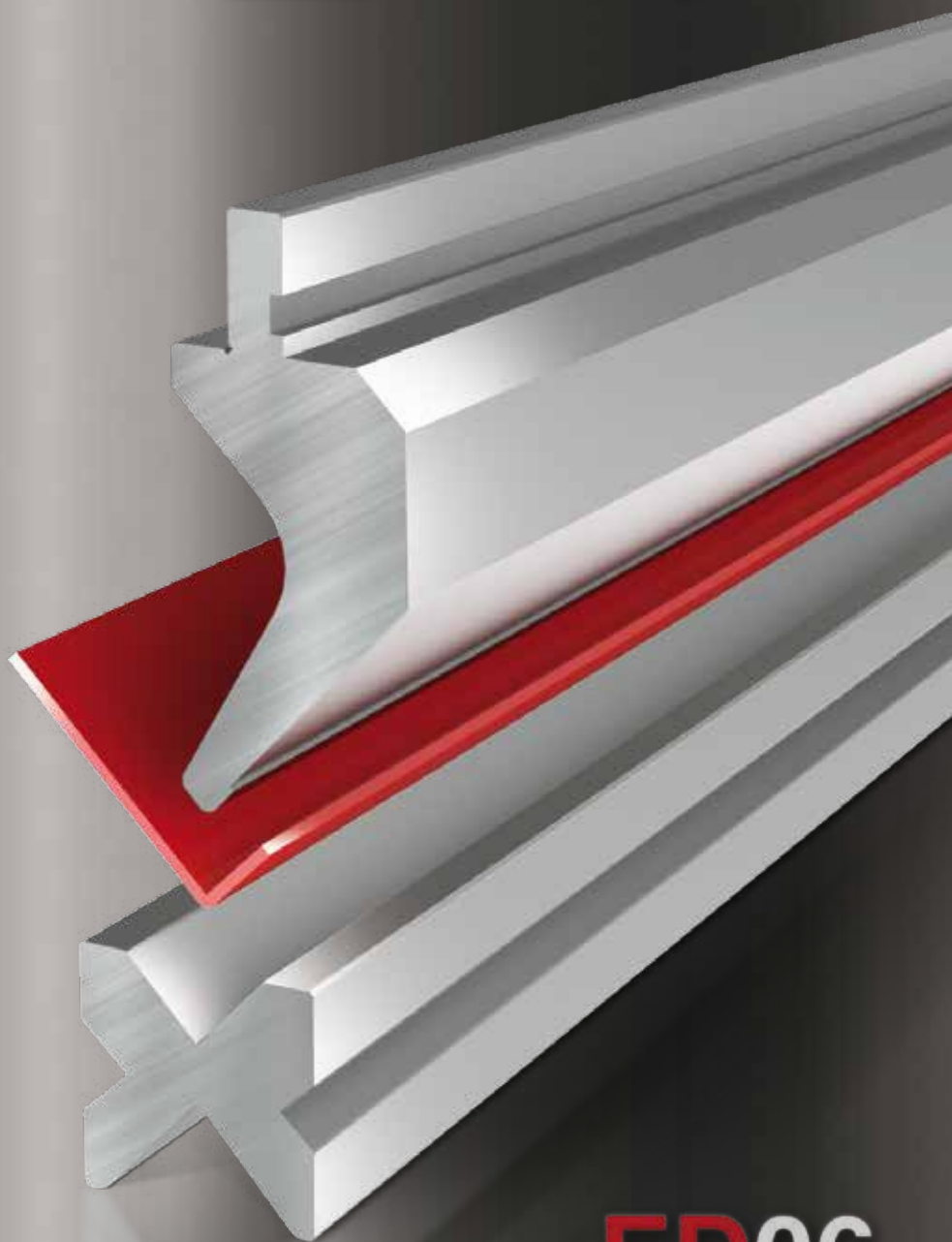




# ***Tecnostamp***



UTENSILI PER PRESSE PIEGATRICI



TOOLING FOR PRESS BRAKES



UTILLAJE PARA PLEGADORA



UTILLAJE PARA DOBRADEIRAS



OUTILS POUR PRESSE PLIEUSE



WERKZEUGE FÜR ABKANTPRESSEN



## **ED06**

## **RED LINE**

**AMADA - PROMECAM STYLE**

[www.tecnostamp.eu](http://www.tecnostamp.eu)



## 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/dobreadeiras 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 schert. 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



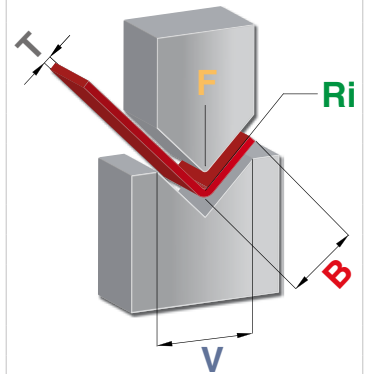
## TABELLA DI PIEGATURA - BENDING CHART

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/mm<sup>q</sup>**

| 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  |     |     |
| 20  |    |     |     |     |     |     |      |    |     |     |     |     | 270 | 215 | 170 | 135 | 108 | F   |
|     |    |     |     |     |     |     |      |    |     |     |     |     |     |     |     |     |     | 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

FORZA IN TON /METRO - FORCE IN TON /METER - FUERZA TON/METRO  
 FORÇA TON/METRO - FORCE EN TON/METRE - PRESSKRAFT IN T/M

RAGGIO INTERNO - INSIDE RADIUS - RADIO INTERIOR - RAO INTERNO - RAYON INTÉRIEUR - INNENRADIUS

BORDO MINIMO POSSIBILE - MINIMUM FLANGE LENGHT - ALA MINIMA  
 ABA MINIMA - BORD MINI POSSIBLE - KÜRZESTE SCHENKELLANGE

LARGHEZZA DEL V - V-OPENING - APERTURA MATRIZ - ABERTURA DO V - LARGEUR DU VE - MATRIZENÖFFNUNGSWEITE V

**T**

**F**

**Ri**

**B**

**V**

CALCOLO DELLA FORZA PER PIEGA IN ARIA

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

$$F = \frac{T^2 \times 2 \times R}{1.4 \times V} = \dots \dots \dots \text{Tons/mt}$$

ALLUMINIO - ALUMINIUM - ALUMINIO - ALUMINIO - ALUMINIUM - ALUMINIUM

**R=20-25 KG/MMQ**

ACCIAIO 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)  | 0.5 - 2.5 | 3 - 8 | 9 - 10 | 12 OR MORE |
|-----------------------------------------------------------------------|-----------|-------|--------|------------|
| ESPESSURA DA CHAPA (mm) - ÉPAISSEUR DE TÔLE (mm) - MATERIALDICKE (mm) |           |       |        |            |
| AMPIEZZA DEL V (mm) - V - WIDTH (mm) - ANCHO V (mm)                   | 6 T       | 8 T   | 10 T   | 12 T       |
| LARGURA V (mm) - LARGEUR DU VE (mm) - MATRIZENÖFFNUNGSWEITE V (mm)    |           |       |        |            |

|                                                                                                                              |    |
|------------------------------------------------------------------------------------------------------------------------------|----|
| INTRODUZIONE .....                                                                                                           | 2  |
| INTRODUCTION - INTRODUCCIÓN - INTRODUÇÃO - INTRODUCTION - EINFÜHRUNG                                                         |    |
| TABELLA DI PIEGATURA .....                                                                                                   | 3  |
| BENDING CHART - TABLA DE PLEGADO - TABELA DE QUINAGEM/DOBRA - ABAQUE DE PLIAGE - PRESSKRAFTTABELLE                           |    |
| TRATTAMENTI TERMICI E TIPO DI MATERIALE .....                                                                                | 5  |
| HARDENED TREATMENT AND TYPE OF MATERIAL - TRATAMIENTOS ENDURECIDOS Y TIPO DE MATERIAL                                        |    |
| TRATAMENTOS TÉRMICOS E TIPO DE MATERIAL - TRAITEMENTS THERMIQUES ET TYPE DE MATÉRIEL - HÄRTEBEHANDLUNG UND ART DES MATERIALS |    |
| PUNZONI .....                                                                                                                | 7  |
| PUNCHES - PUNZONES - PUNÇÕES - POINÇONS - OBERWERKZEUGE                                                                      |    |
| PUNZONE ROTANTE .....                                                                                                        | 27 |
| ROTARY PUNCH - PUNZONES DE ROTACIÓN – PUNÇÕES DE ROTAÇÃO - POINÇON ROTAX - OBERWERKZEUGE ROTAX                               |    |
| SCARPETTE MOBILI .....                                                                                                       | 27 |
| MOVING HORNS - BIGORNIAS MÓVILES - BIGORNAS MÓVEIS - BIGORNES MOBILES - BEWEGLICHE HÖRNER                                    |    |
| SUPPORTI E LAME .....                                                                                                        | 31 |
| HOLDER AND BLADE INSERT - SOPORTES Y CUCHILLAS - SUPORTES E LÂMINAS                                                          |    |
| SUPPORTS ET LAMES - KLINGENHALTER UND KLINGEN                                                                                |    |
| SUPPORTI E INSERTI A ZETA .....                                                                                              | 35 |
| HOLDER AND Z INSERT - CONTENEDORES E INSERTOS PARA Z - SUPORTES E INSERTOS EM Z                                              |    |
| SUPPORTS ET OUTILS EN Z - HALTERPAAR UND Z-WERKZEUGEINSÄTZE                                                                  |    |
| SUPPORTI E INSERTI RAGGIATI .....                                                                                            | 38 |
| HOLDER AND RADIUS INSERT - SOPORTES E INSERTOS DE RADIO/PLANO - SUPORTES E INSERTOS DE RAIOS                                 |    |
| SUPPORTS ET OUTILS À RAYONNER - RADIIENWERKZEUGHALTER UND RADIIENWERKZEUGE                                                   |    |
| MATRICI .....                                                                                                                | 43 |
| DIES - MATRICES - MATRIZES - MATRICES - MATRIZEN                                                                             |    |
| PIEGASCHIACCIA .....                                                                                                         | 63 |
| HEMMING TOOLS - UTILLAJE PLEGAR/APLASTAR - FERRAMENTA DE ESMAGAMENTO - OUTILS À ÉCRASER - ZUDRÜCKWERKZEUGE                   |    |
| INDEX CODE .....                                                                                                             | 71 |
| INDEX CODE - INDEX CODE - INDEX CODE - INDEX CODE - INDEX CODE - INDEX CODE                                                  |    |

## 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 ANTIVERSCHLEISS - NITRIERBEHANDLUNG ZU MACHEN.

TRATTAMENTI ANTIRUGGINE - RUSTING TREATMENT - TRATAMIENTOS ANTI-OXIDACIÓN - TRATAMENTOS ANTI OXIDAÇÃO - 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.

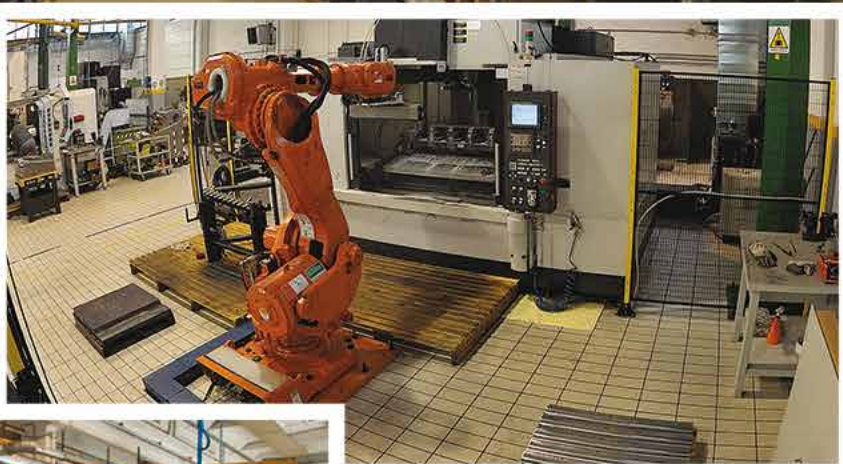
A PEDIDO DO CLIENTE, A TECNOSTAMP PODE FAZER UM TRATAMENTO ANTIFERRUGEM ZINCADO.

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

AUF ANFRAGE KANN TECNOSTAMP MEINE ANTI-ROST BEHANDLUNG ANBIETEN.

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

|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>ACCIAIO C45 (UNI EN 10083 W.1. : 1.1191).</p> <p>STEEL C45 (UNI EN 10083 W.1. : 1.1191).</p> <p>ACERO C45 (UNI EN 10083 W.1. : 1.1191).</p> <p>AÇO C45 (UNI EN 10083 W.1. : 1.1191).</p> <p>ACIER C45 (UNI EN 10083 W.1. : 1.1191).</p> <p>STAHL C45 (UNI EN 10083 W.1. : 1.1191).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|  | <p>ACCIAIO C45 (UNI EN 10083 W.1. : 1.1191) TEMPRATO AD INDUZIONE (52/55 HRC) SULLE PARTI USURABILI.</p> <p>STEEL C45 (UNI EN 10083 W.1. : 1.1191) INDUCTION TEMPERED (52-55 HRC) ON WEAR PARTS.</p> <p>ACERO C45 (UNI EN 10083 W.1. : 1.1191) TEMPLADO A INDUCCIÓN EN ZONA DE DESGASTE (52/55 HRC).</p> <p>AÇO C45 (UNI EN 10083 W.1. : 1.1191) TEMPERADO POR INDUÇÃO NAS ZONAS DE DESGASTE (52-55 HRC).</p> <p>ACIER C45 (UNI EN 10083 W.1. : 1.1191) TREMPÉ PAR INDUCTION (52-55 HRC) SUR LES PARTIES TRAVAILLANTES.</p> <p>STAHL C45 (UNI EN 10083 W.1. : 1.1191), VERSCHLEISSTEILE INDUKTIV AUF (52-55HRC) GEHÄRTET.</p>                                                                                                                                                                                                    |
|  | <p>ACCIAIO C45 (UNI EN 10083 W.1. : 1.1191) BONIFICATO R=80-85 KG/MMQ TEMPRATO AD INDUZIONE (52/55 HRC) SULLE PARTI USURABILI.</p> <p>STEEL C45 (UNI EN 10083 W.1. : 1.1191) HARDENED R=80-85 KG/MMQ INDUCTION TEMPERED (52-55 HRC) ON WEAR PARTS.</p> <p>ACERO C45 (UNI EN 10083 W.1. : 1.1191) BONIFICADO R=80-85 KG/MMQ TEMPLADO A INDUCCIÓN EN ZONA DE DESGASTE (52/55 HRC).</p> <p>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).</p> <p>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.</p> <p>STAHL C45 (UNI EN 10083 W.1. : 1.1191) VERGÜTET R=80-85 KG/MM2 AN DEN ABNUTZUNGSKANTEN INDUKTIV GEHÄRTET AUF (52/55 HRC).</p>                                |
|  | <p>ACCIAIO 42CRM04 (UNI EN 10083 W.1. : 1.7225) BONIFICATO R=95-105 KG/MMQ TEMPRATO AD INDUZIONE (52/55 HRC) SULLE PARTI USURABILI.</p> <p>STEEL 42 CRM04 (UNI EN 10083 W.1. : 1.7225) HARDENED R=95-105 KG/MMQ INDUCTION TEMPERED (52-55 HRC) ON WEAR PART.</p> <p>ACERO 42CRM04 (UNI EN 10083 W.1. : 1.7225) BONIFICADO R=95-105 KG/MMQ TEMPLADO A INDUCCIÓN EN ZONA DE DESGASTE (52/55 HRC).</p> <p>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).</p> <p>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.</p> <p>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).</p> |



# PUNZONI PUNCHES

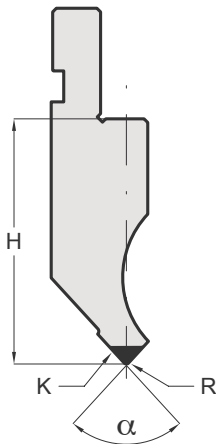


## RED LINE

***AMADA - PROMECAM STYLE***

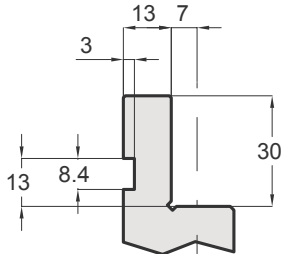
PUNZONI - PUNCHES - PUNZONES

PUNÇÕES - POINÇONS - OBERWERKZEUGE



CODE

70.946



STANDARD

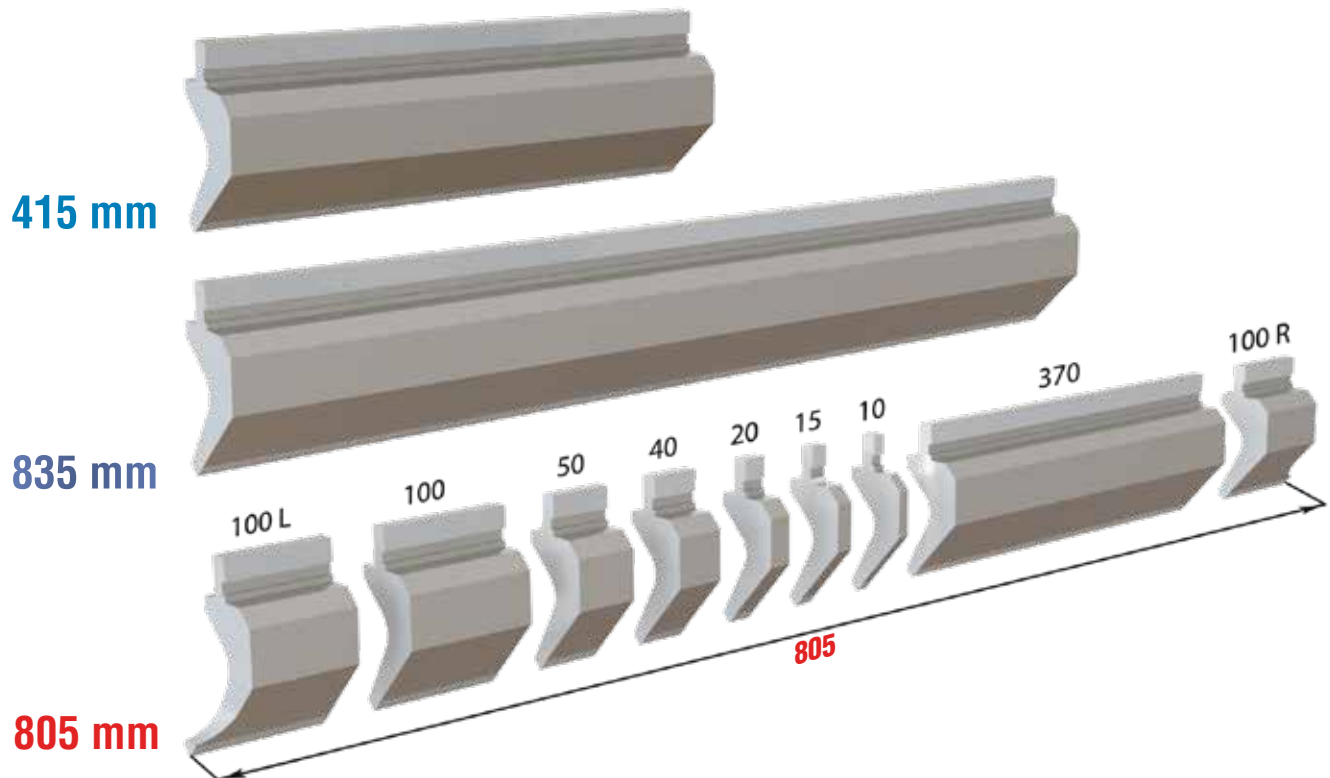
| LEGENDA             | LEGEND     | LEYENDA          | LEGENDA          | LÉGENDE       | LEGENDE          |
|---------------------|------------|------------------|------------------|---------------|------------------|
| H = ALTEZZA         | HEIGHT     | ALTURA           | ALTURA           | HAUTEUR       | 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

|                           |                           |                           |                            |
|---------------------------|---------------------------|---------------------------|----------------------------|
| <p>CODE</p> <p>70.500</p> | <p>CODE</p> <p>70.501</p> | <p>CODE</p> <p>70.502</p> | <p>CODE</p> <p>70.504</p>  |
| <p>CODE</p> <p>70.600</p> | <p>CODE</p> <p>70.948</p> | <p>CODE</p> <p>70.949</p> | <p>CODE</p> <p>70.1050</p> |

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

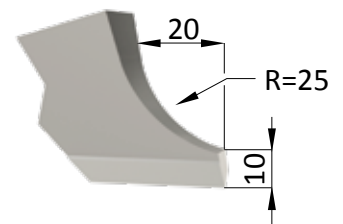
I PUNZONI STANDARD SONO DISPONIBILI A MAGAZZINO NELLE LUNGHEZZE DI: 415 mm - 835 mm E FRAZIONATI (805 mm)  
 THE PUNCHES ARE AVAILABLE IN THE FOLLOWING STANDARD LENGTHS: 415 mm - 835 mm AND SECTIONED (805 mm)  
 LOS PUNZONES ESTÁN DISPONIBLES EN STOCK Y EN LONGITUDES DE: 415 mm - 835 mm Y FRACCIONADOS (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 SEKTIONIERT LÄNGE (805 mm)



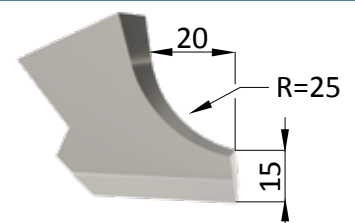
IL CARICO MASSIMO DELLE SCARPETTE CORRISPONDE AL 30% DEL CARICO MASSIMO INDICATO SUL PUNZONE.  
 THE FMAX OF THE HORN EXTENSIONS IS 30% OF THE FMAX OF THE PUNCH.  
 LA CARGA MÁXIMA EN LA BIGORNIAS, ES EL 30% DEL TONELAJE MÁXIMO INDICADO EN LOS PUNZONES.  
 A CARGA MÁXIMA NAS BIGORNAS É DE 30% DA TONELAGEM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



| CODE   |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| 10.136 | 10.515 | 11.134 | 11.528 | 11.710 | 11.810 | 11.904 |
| 10.511 | 11.102 | 11.158 | 11.530 | 11.720 | 11.820 | 11.911 |
| 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 |

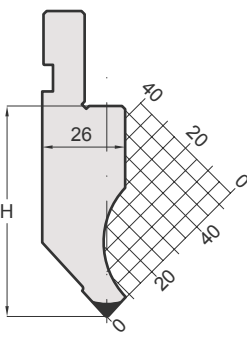


| CODE   | $\alpha$ | R    | H     | T/Mt | Mt |
|--------|----------|------|-------|------|----|
| 11.101 | 88°      | 3.00 | 65.45 | 100  |    |
| 11.145 | 88°      | 0.80 | 66.50 | 100  |    |
| 10.153 | 88°      | 0.25 | 66.50 | 100  |    |
| 11.201 | 85°      | 3.00 | 65.45 | 100  |    |
| 11.200 | 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°

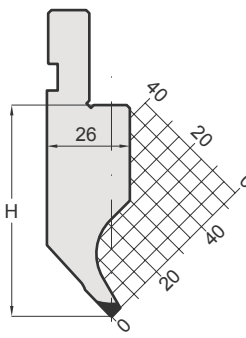


|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | 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°

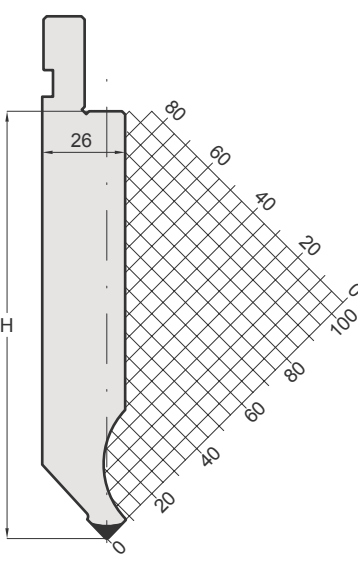


|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.870 | 88°      | 0.80 | 135.00 | 100  |    |
| 11.232 | 85°      | 0.80 | 135.00 | 100  |    |

88°

85°

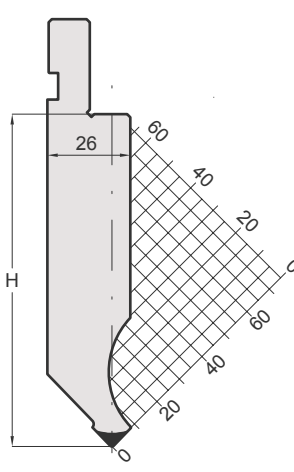


|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | 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°

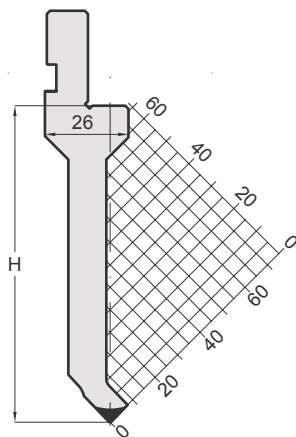


|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | 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°

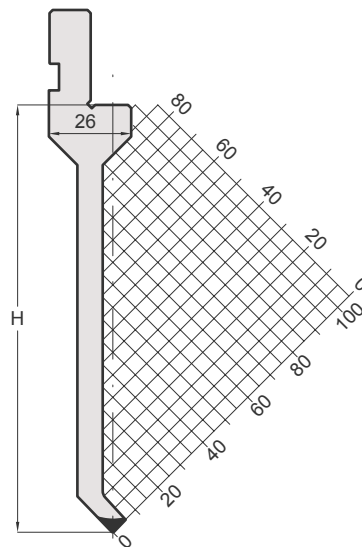


|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.858 | 88°      | 0.60 | 135.00 | 40   |    |
| 11.855 | 85°      | 0.60 | 135.00 | 40   |    |

88°

85°

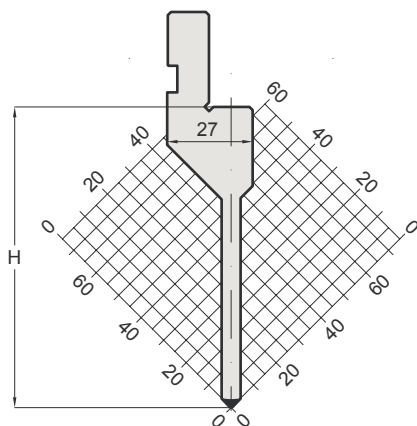


|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | 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°

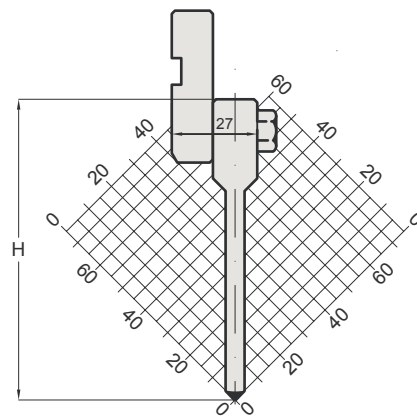
85°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H     | T/Mt | Mt |
|--------|----------|------|-------|------|----|
| 10.260 | 88°      | 0.60 | 95.00 | 50   |    |
| 10.257 | 88°      | 0.25 | 95.00 | 50   |    |

88°



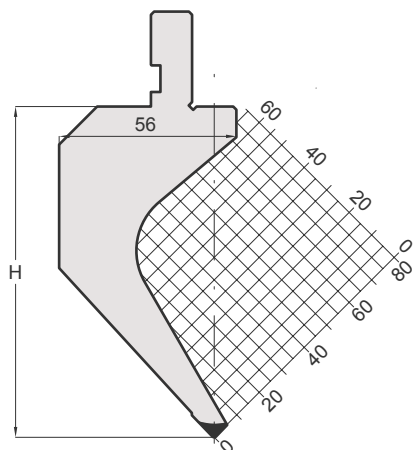
|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

NON FRAZIONABILE  
NOT SECTIONABLE  
NÃO FRACIONÁVEL  
PAS FRACTIONNÉE  
NICHT SEKTIONIERT

| CODE   | $\alpha$ | 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°

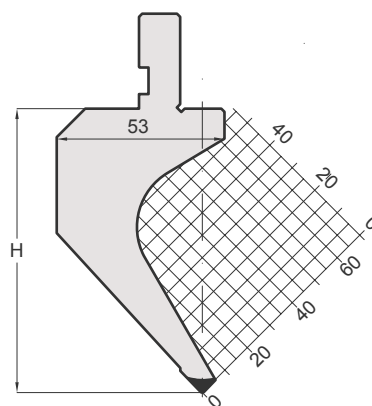


|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | 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°

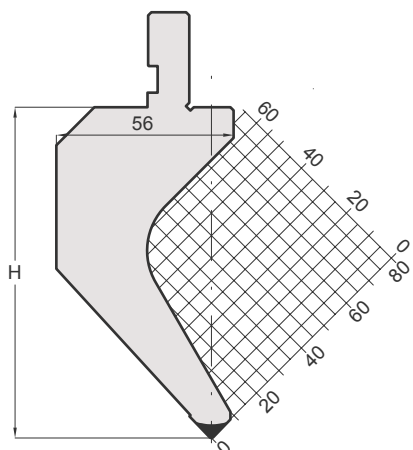


|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | 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°

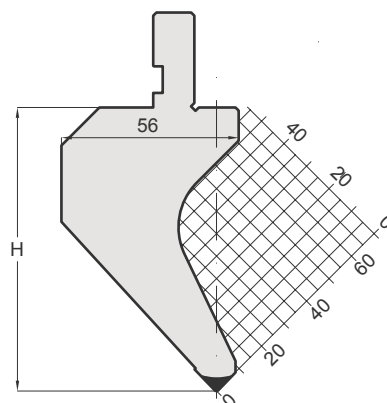


|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | 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°

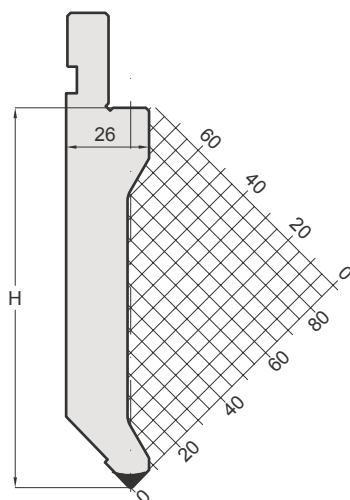
85°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.235 | 88°      | 1.00 | 120.00 | 100  |    |

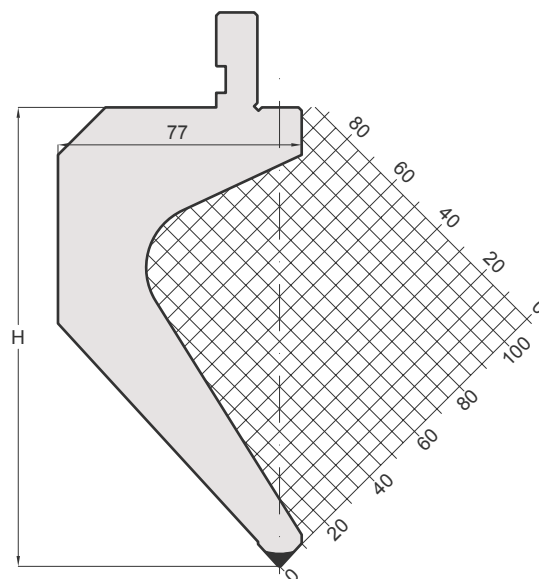
88°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.670 | 85°      | 0.80 | 145.00 | 60   |    |

85°

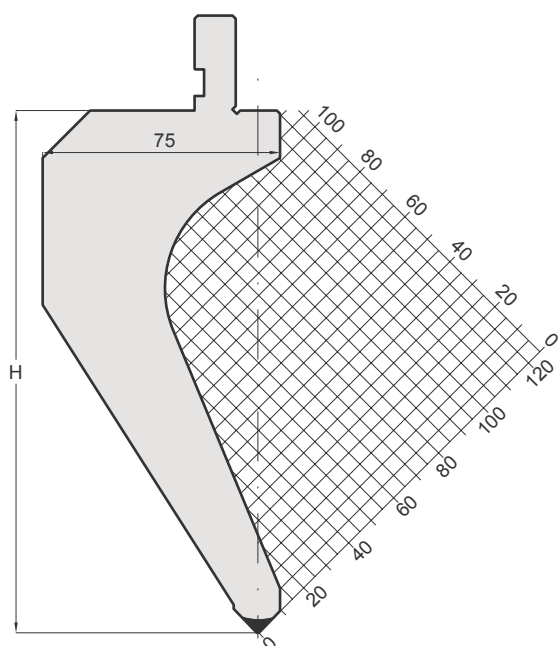


|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.149 | 88°      | 0.80 | 165.00 | 60   |    |
| 11.849 | 85°      | 0.80 | 165.00 | 60   |    |

88°

85°

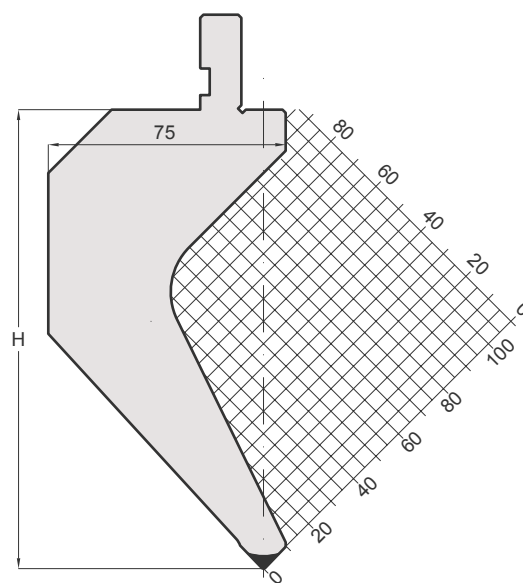


|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.148 | 88°      | 0.80 | 145.00 | 70   |    |
| 11.848 | 85°      | 0.80 | 145.00 | 70   |    |

88°

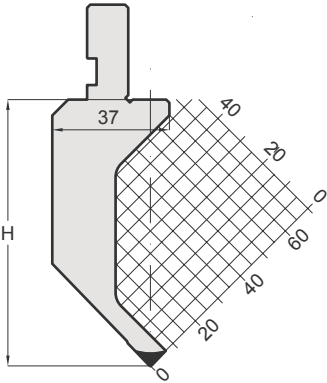
85°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H     | T/Mt | Mt |
|--------|----------|------|-------|------|----|
| 10.512 | 88°      | 0.60 | 84.13 | 20   |    |

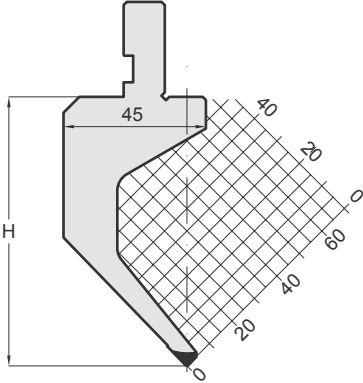
88°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H     | T/Mt | Mt |
|--------|----------|------|-------|------|----|
| 11.830 | 88°      | 0.60 | 85.00 | 15   |    |

88°

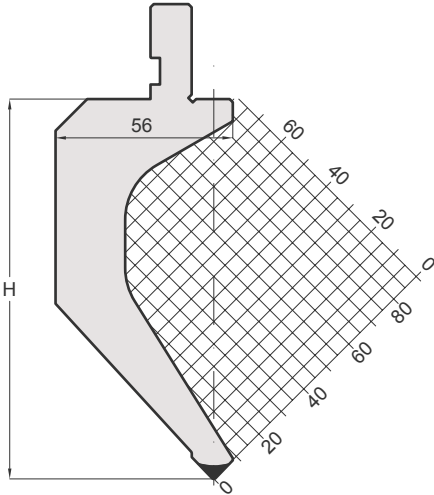


|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 10.505 | 88°      | 0.80 | 120.00 | 50   |    |
| 11.835 | 85°      | 0.80 | 120.00 | 50   |    |

88°

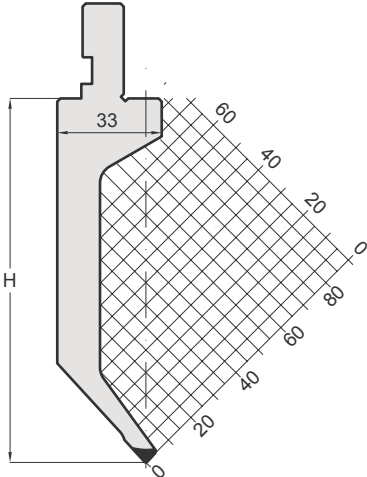
85°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.820 | 85°      | 0.60 | 115.00 | 20   |    |

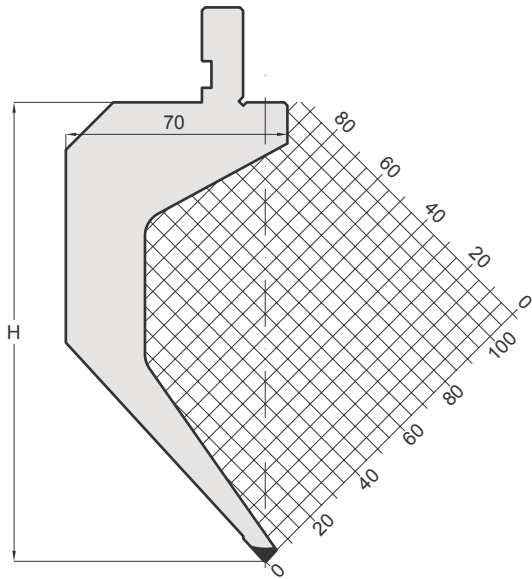
85°



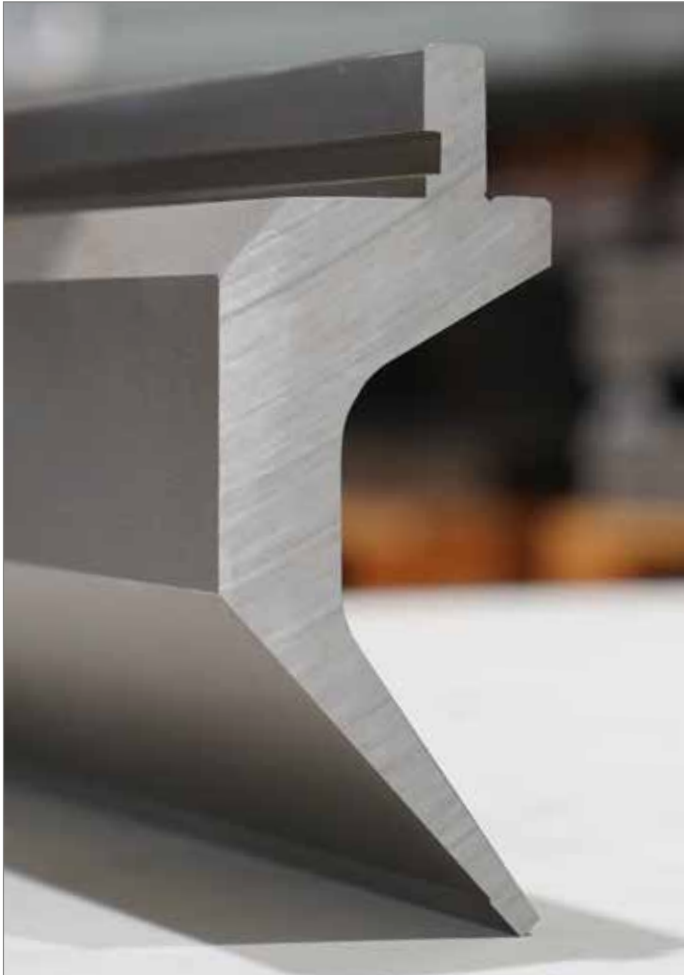
|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.680 | 85°      | 0.80 | 145.00 | 25   |    |

85°

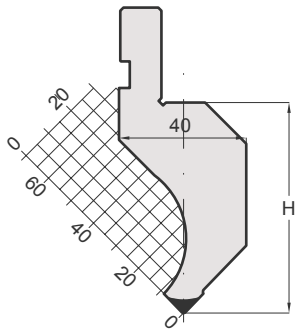


|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |



| CODE   | $\alpha$ | R    | H     | T/Mt | Mt |
|--------|----------|------|-------|------|----|
| 11.240 | 88°      | 0.80 | 66.50 | 80   |    |

88°

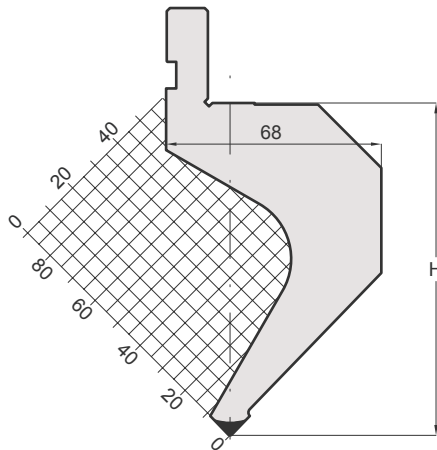


|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

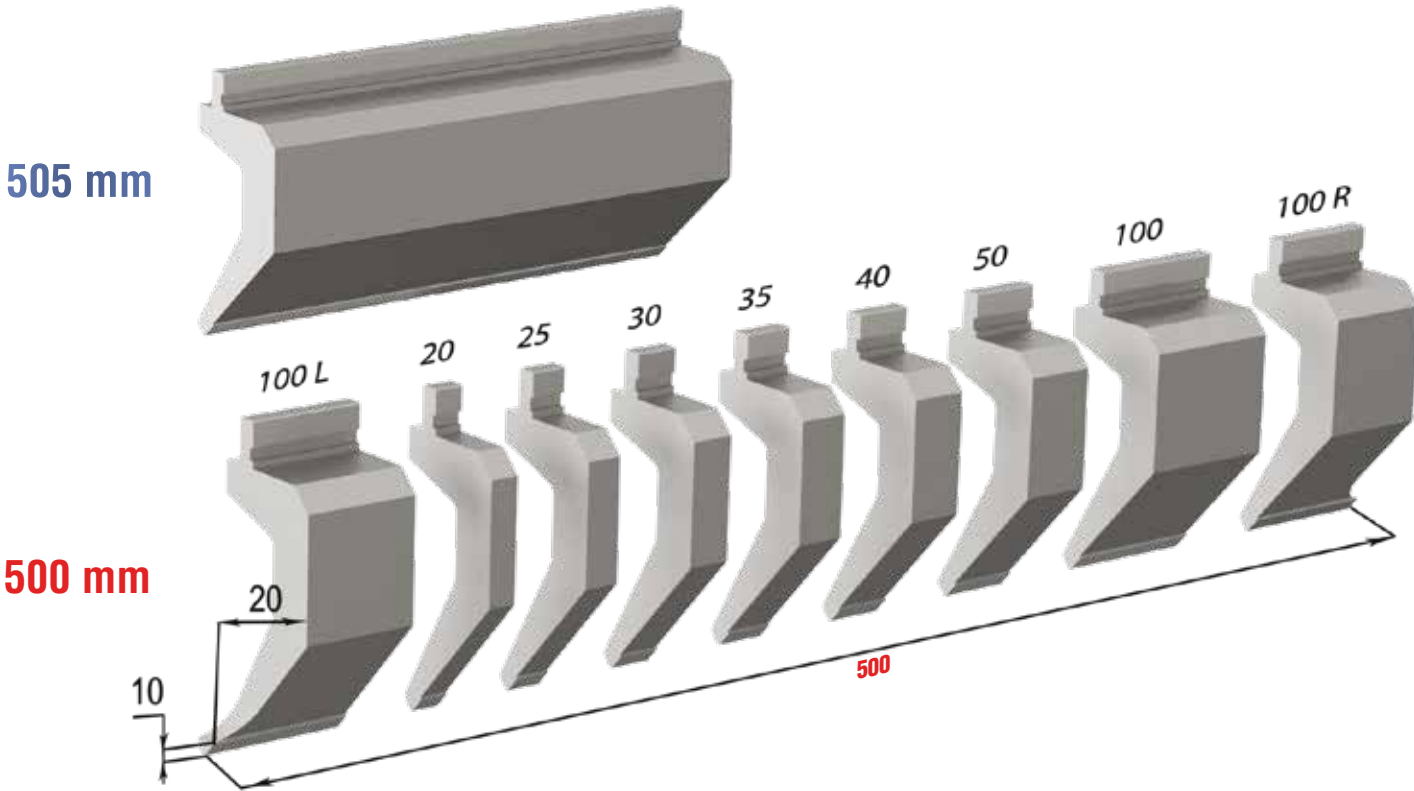
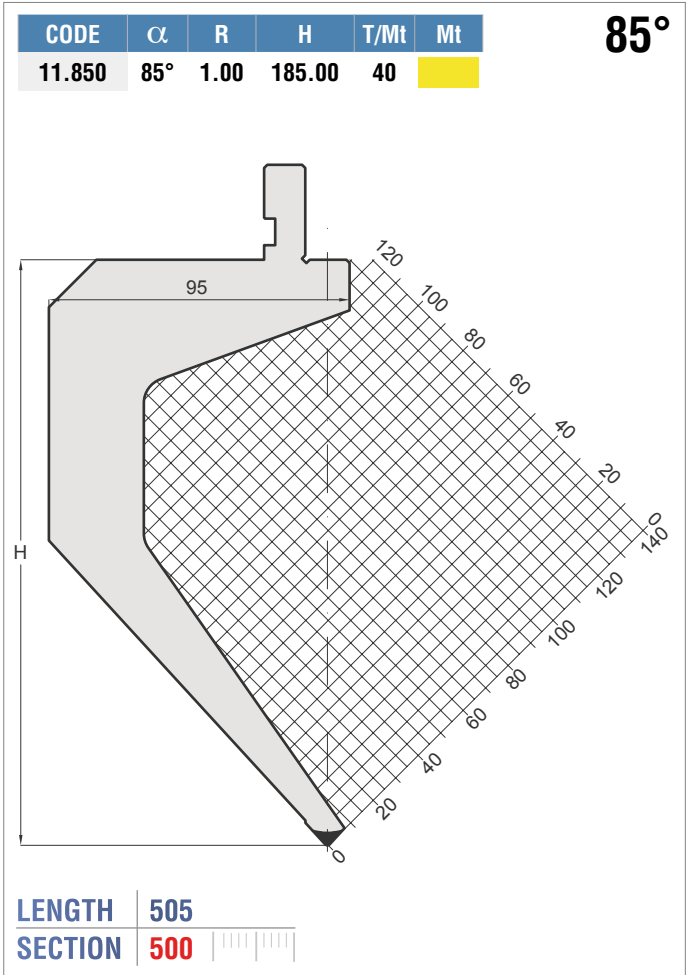
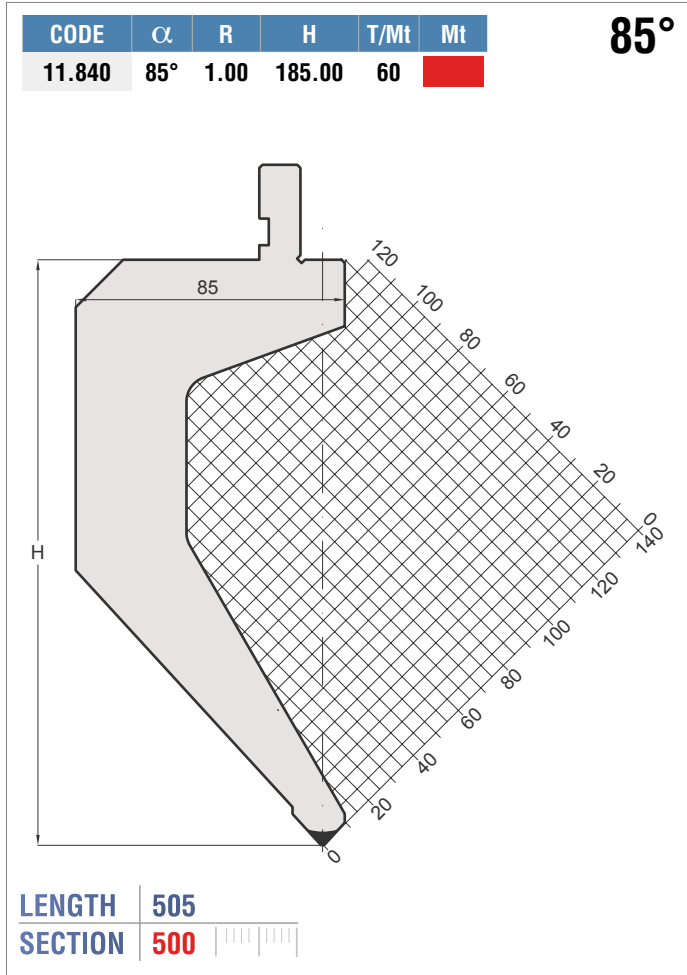
| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.233 | 88°      | 0.80 | 105.00 | 45   |    |
| 11.869 | 85°      | 0.80 | 105.00 | 45   |    |

88°

85°



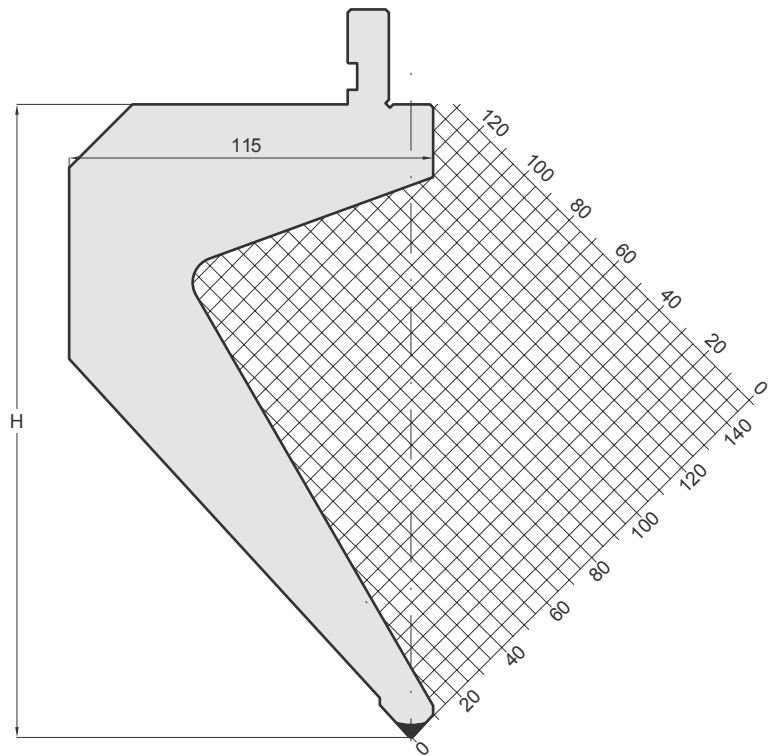
|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |



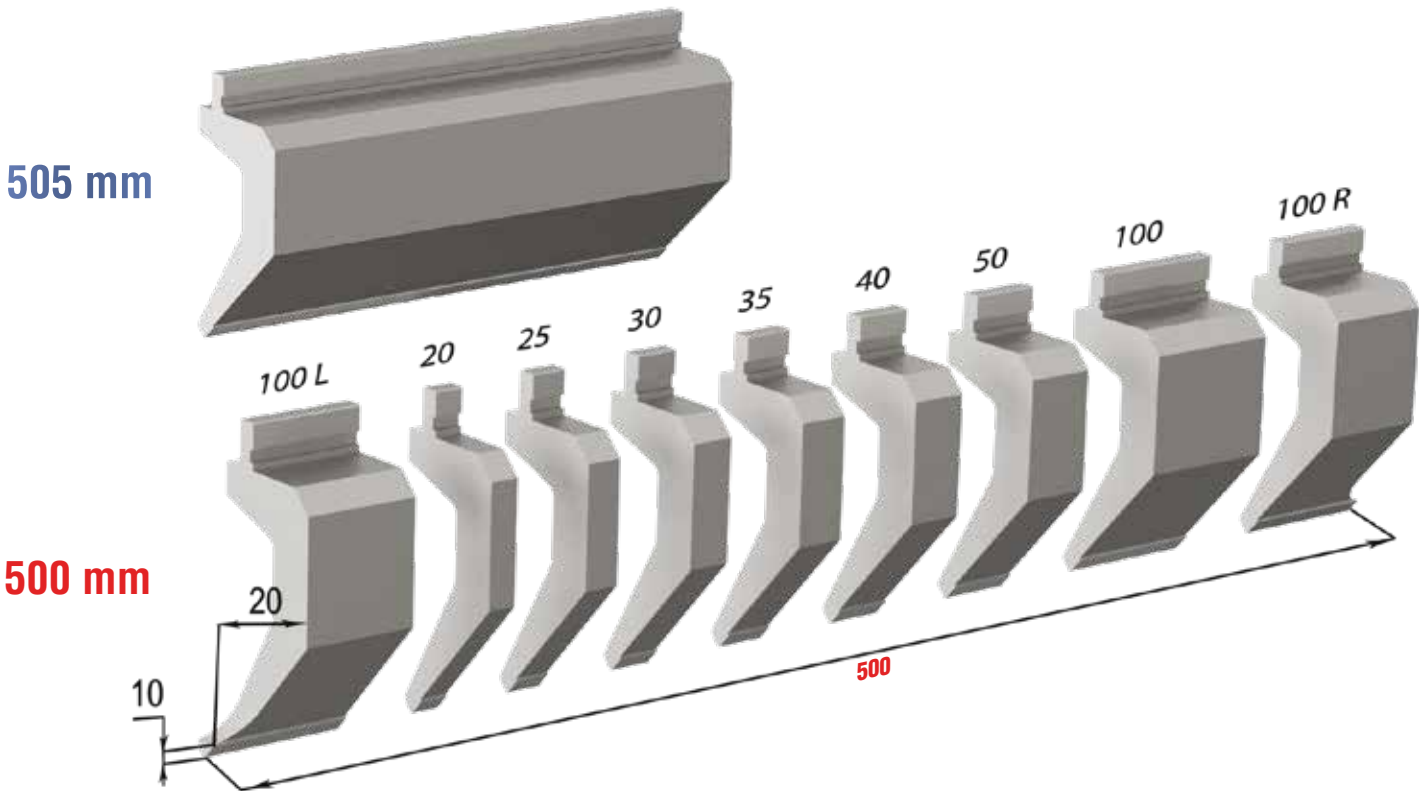
IL CARICO MASSIMO DELLE SCARPETTE CORRISPONDE AL 30% DEL CARICO MASSIMO INDICATO SUL PUNZONE.  
THE FMAX OF THE HORN EXTENSIONS IS 30% OF THE FMAX OF THE PUNCH.  
LA CARGA MÁXIMA EN LA BIGORNIAS, ES EL 30% DEL TONELAJE MÁXIMO INDICADO EN LOS PUNZONES.  
A CARGA MÁXIMA NAS BIGORNAS É DE 30% DA TONELAGEM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

LENGTH 505  
SECTION 500

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.800 | 85°      | 1.00 | 200.00 | 70   |    |



|         |     |
|---------|-----|
| LENGTH  | 505 |
| SECTION | 500 |

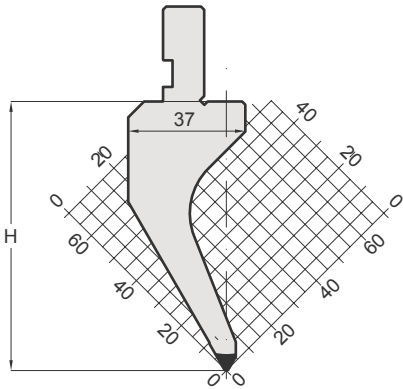


IL CARICO MASSIMO DELLE SCARPETTE CORRISPONDE AL 30% DEL CARICO MASSIMO INDICATO SUL PUNZONE.  
THE FMAX OF THE HORN EXTENSIONS IS 30% OF THE FMAX OF THE PUNCH.  
LA CARGA MÁXIMA EN LA BIGORNIAS, ES EL 30% DEL TONELAJE MÁXIMO INDICADO EN LOS PUNZONES.  
A CARGA MÁXIMA NAS BIGORNAS É DE 30% DA TONELAGEM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

|         |     |
|---------|-----|
| LENGTH  | 505 |
| SECTION | 500 |

| CODE   | $\alpha$ | R    | H     | T/Mt | Mt |
|--------|----------|------|-------|------|----|
| 10.516 | 60°      | 0.80 | 85.00 | 40   |    |

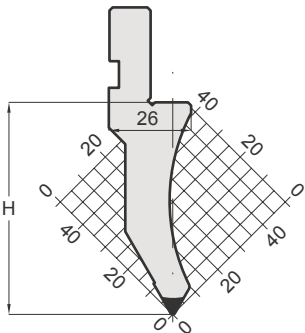
60°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H     | T/Mt | Mt |
|--------|----------|------|-------|------|----|
| 10.143 | 60°      | 2.00 | 65.80 | 60   |    |
| 10.142 | 60°      | 0.80 | 67.00 | 60   |    |

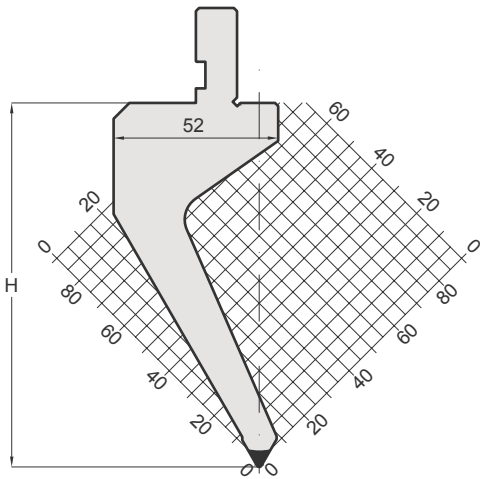
60°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 10.500 | 60°      | 0.80 | 115.00 | 40   |    |

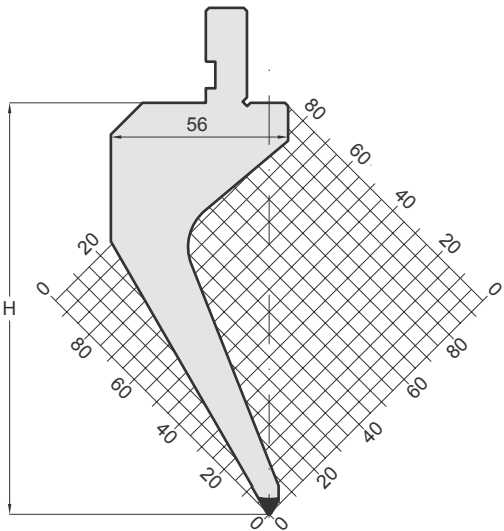
60°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 10.506 | 60°      | 0.80 | 130.00 | 40   |    |

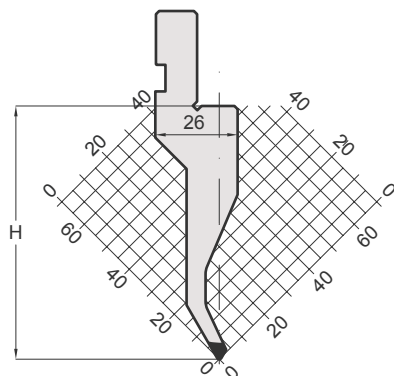
60°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H     | T/Mt | Mt |
|--------|----------|------|-------|------|----|
| 10.517 | 60°      | 0.80 | 80.00 | 25   |    |

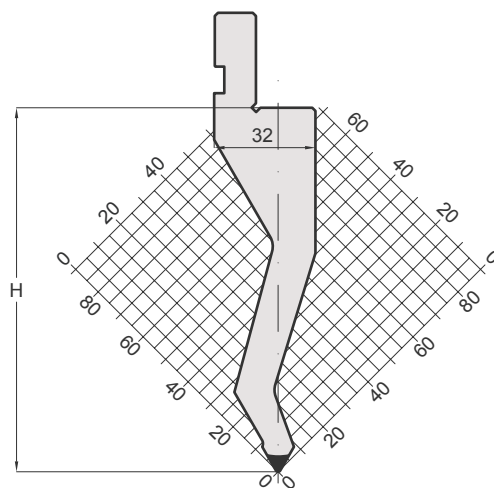
60°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 10.510 | 60°      | 0.80 | 115.00 | 60   |    |

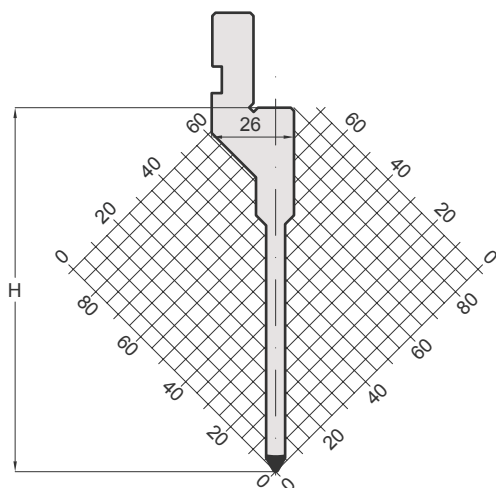
60°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 10.520 | 60°      | 0.80 | 115.00 | 50   |    |

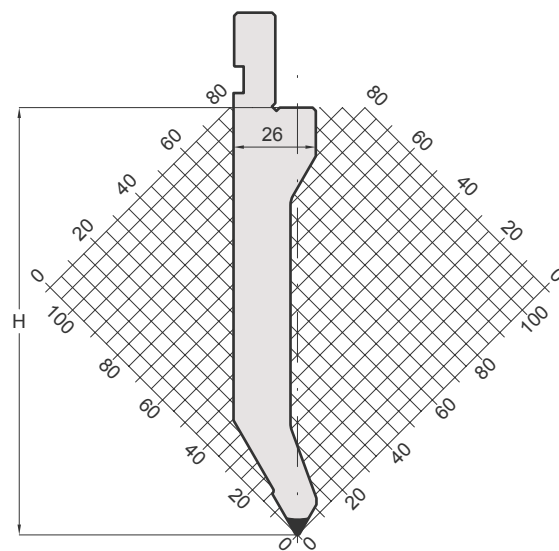
60°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.750 | 60°      | 0.80 | 135.00 | 70   |    |

60°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H     | T/Mt | Mt |
|--------|----------|------|-------|------|----|
| 10.136 | 60°      | 6.00 | 65.00 | 100  |    |

60°

|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.710 | 60°      | 5.00 | 115.00 | 100  |    |

60°

|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R     | H      | T/Mt | Mt |
|--------|----------|-------|--------|------|----|
| 11.720 | 60°      | 10.00 | 115.00 | 100  |    |

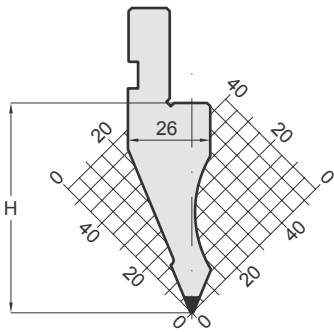
60°

|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |



**45°**

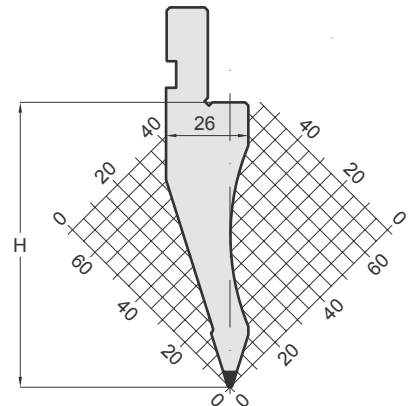
| CODE   | $\alpha$ | R    | H     | T/Mt | Mt |
|--------|----------|------|-------|------|----|
| 11.134 | 45°      | 0.60 | 66.30 | 80   |    |
| 11.102 | 45°      | 1.00 | 65.20 | 80   |    |



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

**35°**

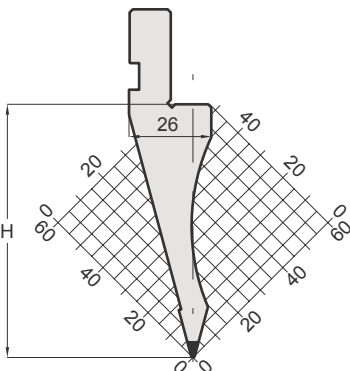
| CODE   | $\alpha$ | R    | H     | T/Mt | Mt |
|--------|----------|------|-------|------|----|
| 11.104 | 35°      | 1.50 | 86.00 | 70   |    |
| 11.600 | 35°      | 0.80 | 90.00 | 70   |    |
| 11.103 | 35°      | 0.60 | 86.00 | 70   |    |



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

**30°**

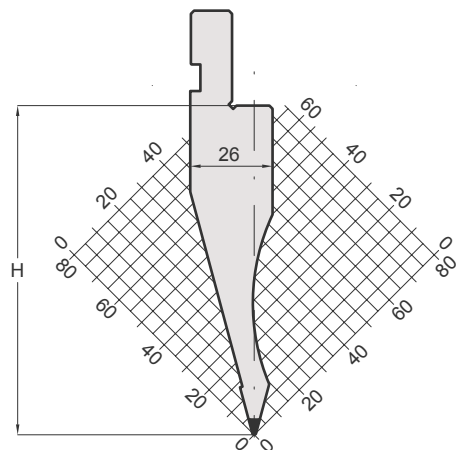
| CODE   | $\alpha$ | R    | H     | T/Mt | Mt |
|--------|----------|------|-------|------|----|
| 10.514 | 30°      | 0.60 | 80.00 | 50   |    |



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

**30°**

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.514 | 30°      | 0.60 | 104.00 | 50   |    |



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.258 | 30°      | 0.60 | 104.00 | 100  |    |

30°

LENGTH 415 835  
SECTION 805

| CODE   | $\alpha$ | R    | H     | T/Mt | Mt |
|--------|----------|------|-------|------|----|
| 11.158 | 30°      | 0.60 | 80.00 | 100  |    |

30°

LENGTH 415 835  
SECTION 805

| CODE   | $\alpha$ | R    | H     | T/Mt | Mt |
|--------|----------|------|-------|------|----|
| 10.511 | 30°      | 3.00 | 80.00 | 100  |    |

30°

LENGTH 415 835  
SECTION 805

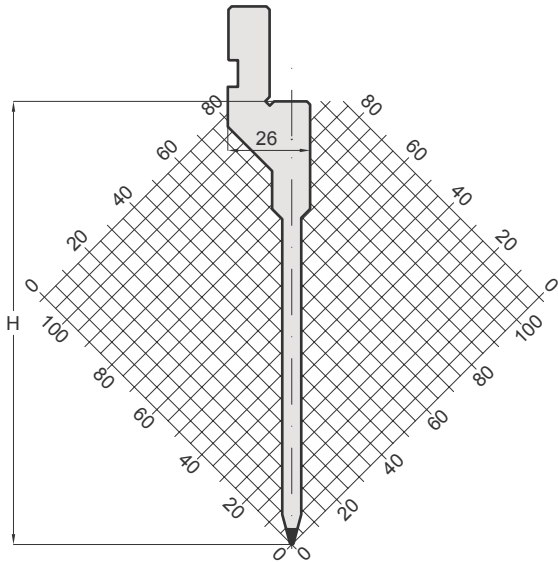
| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.530 | 30°      | 5.00 | 104.00 | 100  |    |
| 11.528 | 30°      | 3.00 | 104.00 | 100  |    |

30°

LENGTH 415 835  
SECTION 805

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 10.515 | 30°      | 0.60 | 140.00 | 50   |    |

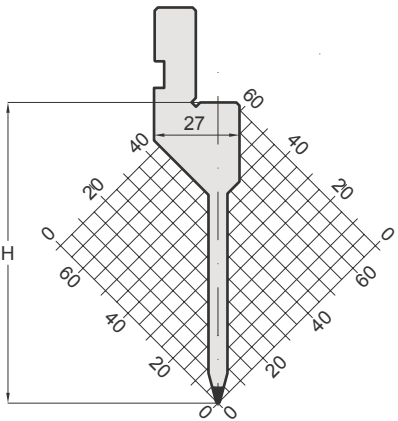
30°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H     | T/Mt | Mt |
|--------|----------|------|-------|------|----|
| 11.280 | 30°      | 0.60 | 95.00 | 50   |    |

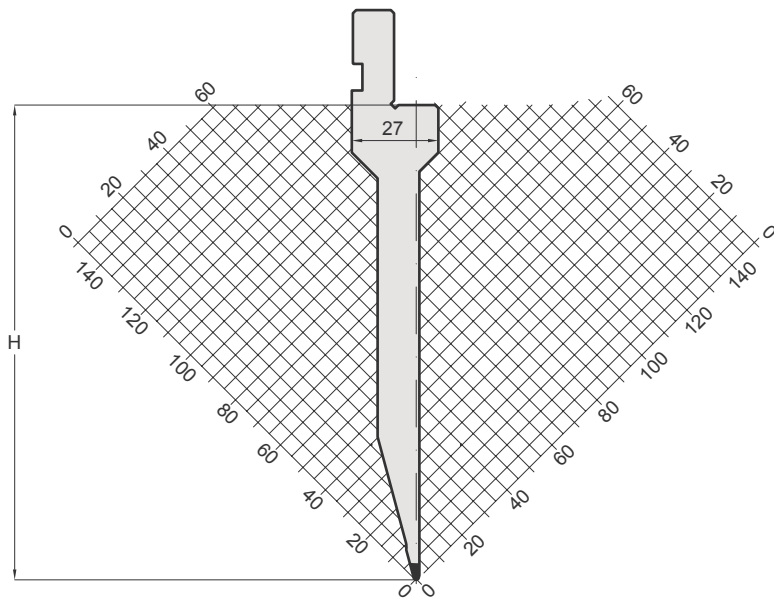
30°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.880 | 30°      | 0.80 | 150.00 | 40   |    |

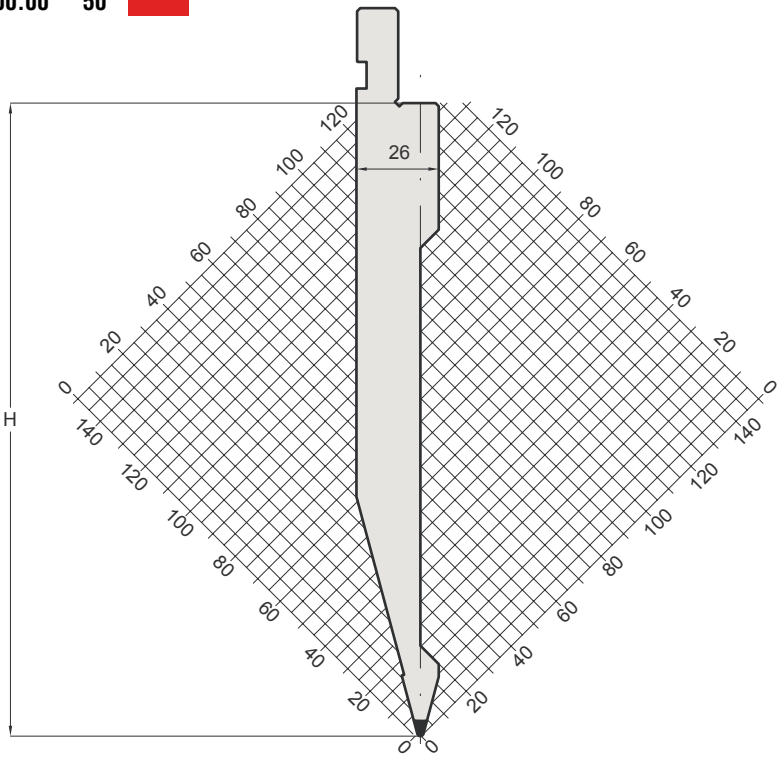
30°



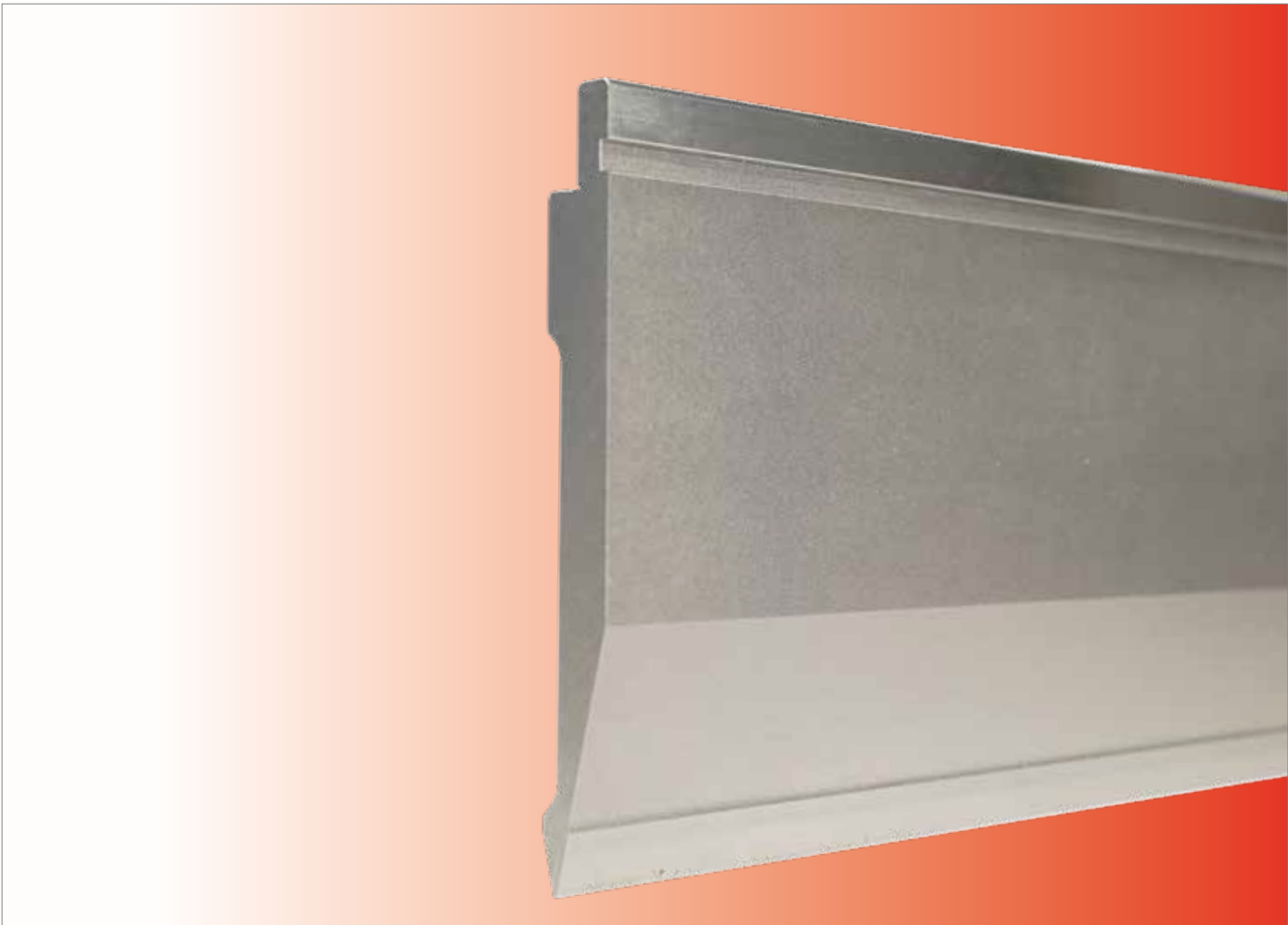
|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.810 | 30°      | 1.00 | 200.00 | 50   |    |

30°

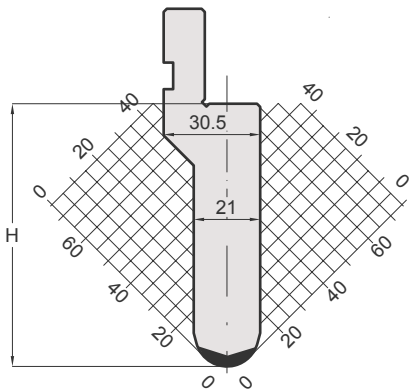


|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |



| CODE   | $\alpha$ | R     | H     | T/Mt | Mt |
|--------|----------|-------|-------|------|----|
| 11.904 | 30°      | 10.00 | 83.00 | 100  |    |

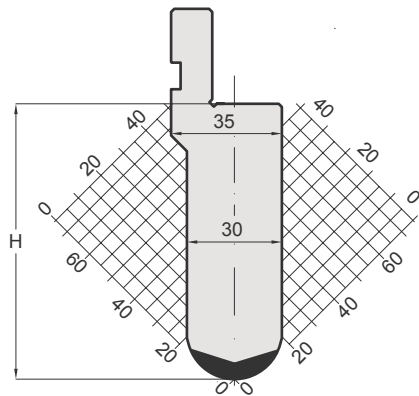
30°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R     | H     | T/Mt | Mt |
|--------|----------|-------|-------|------|----|
| 11.911 | 30°      | 15.00 | 87.00 | 100  |    |

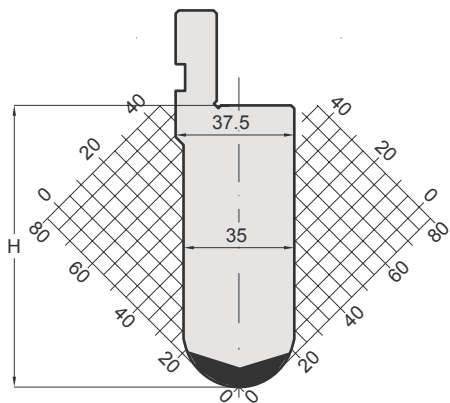
30°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R     | H     | T/Mt | Mt |
|--------|----------|-------|-------|------|----|
| 11.914 | 30°      | 17.50 | 89.00 | 100  |    |

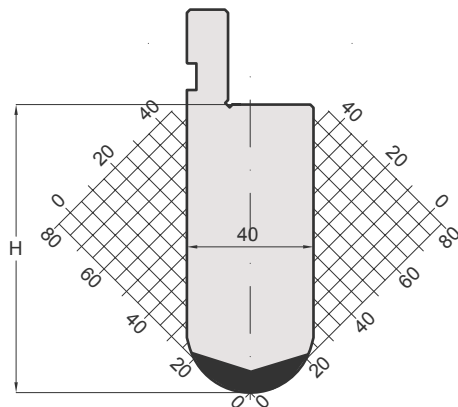
30°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R     | H     | T/Mt | Mt |
|--------|----------|-------|-------|------|----|
| 11.916 | 30°      | 20.00 | 91.00 | 100  |    |

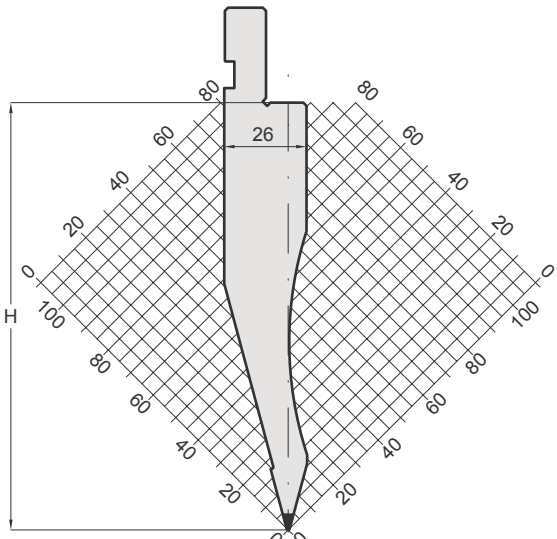
30°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.780 | 30°      | 0.50 | 135.00 | 80   |    |

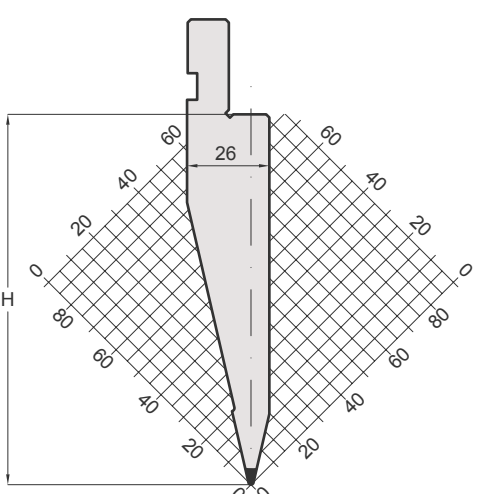
30°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.540 | 26°      | 0.80 | 117.00 | 100  |    |

26°

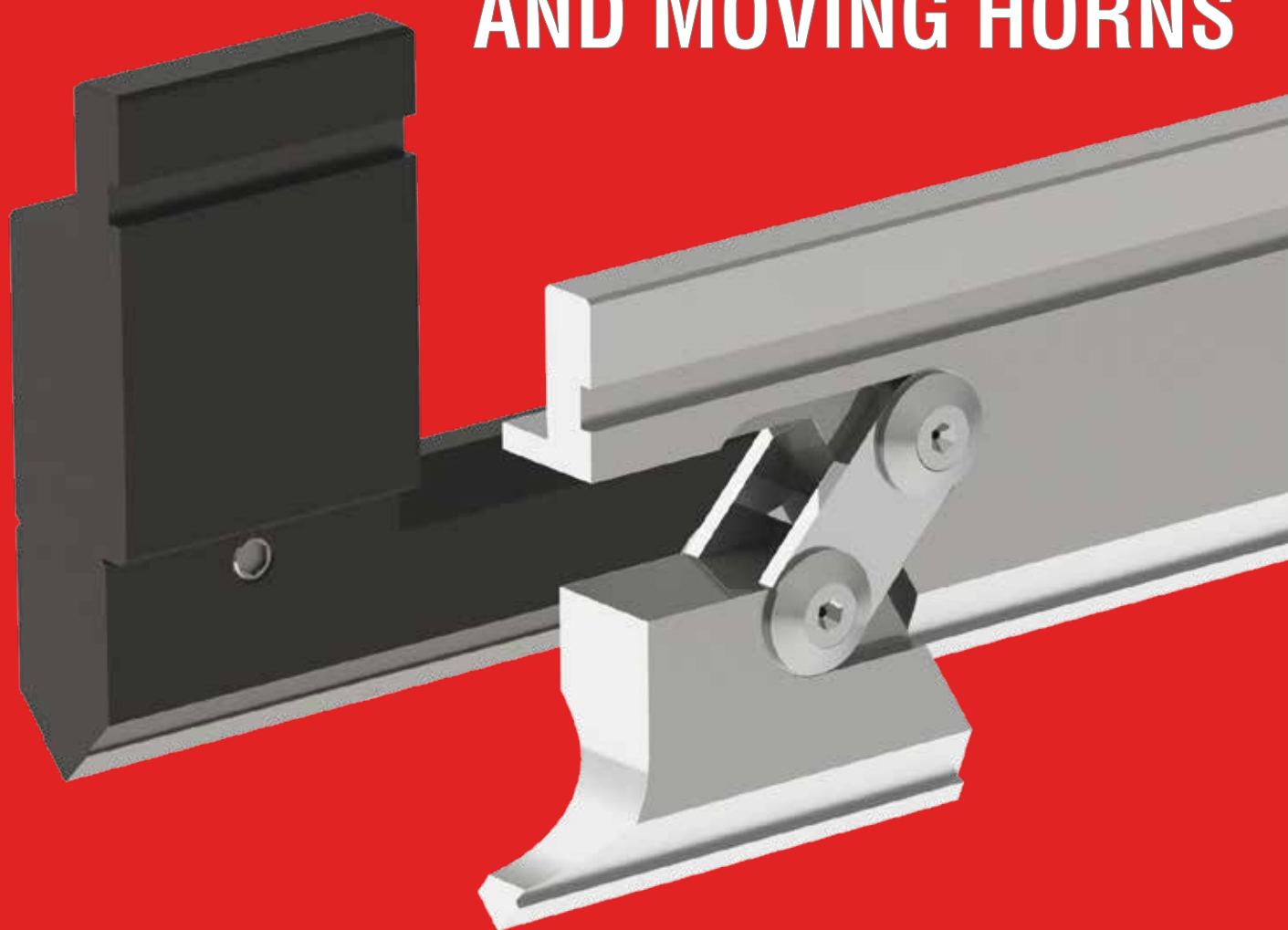


|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |



# 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

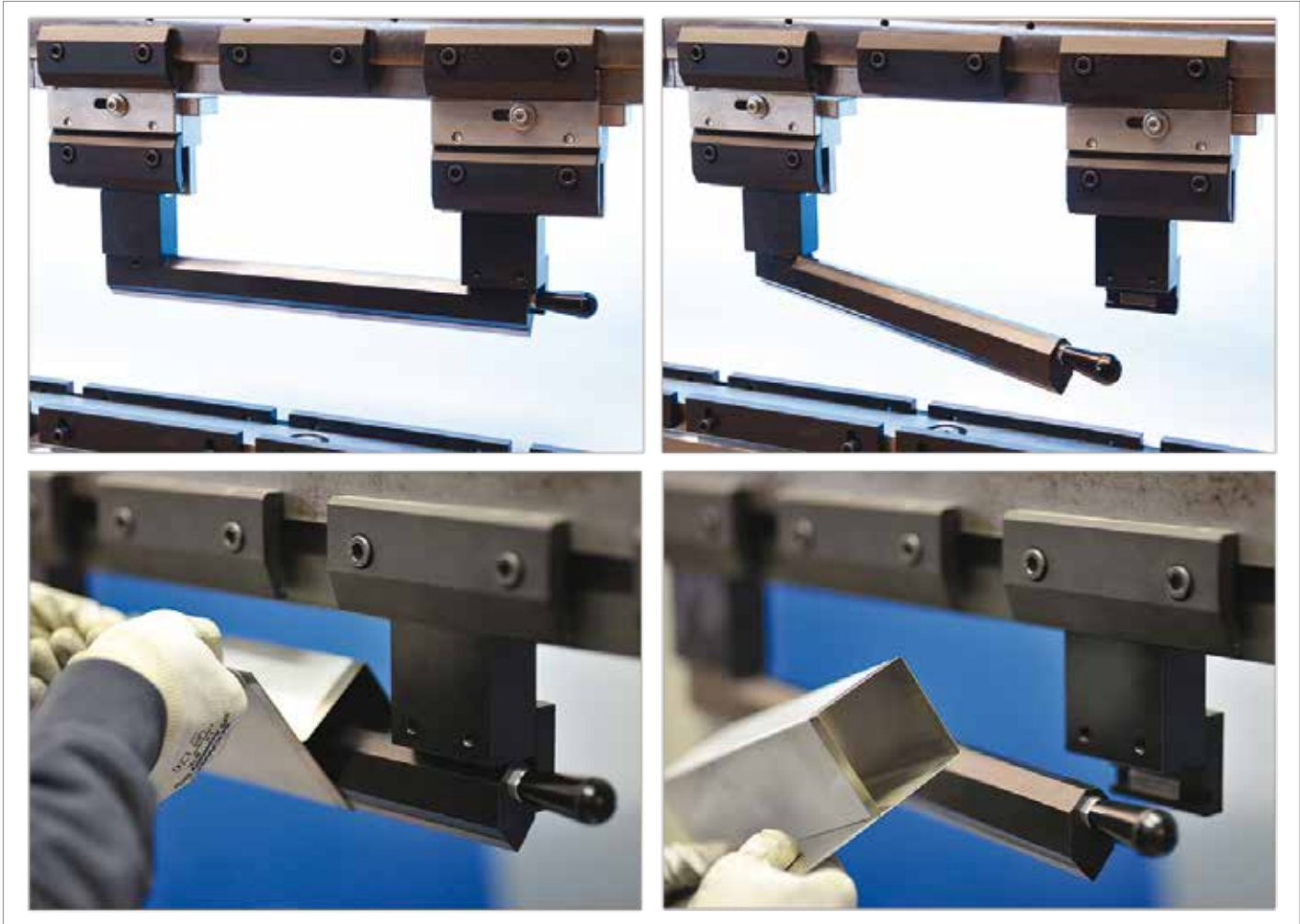
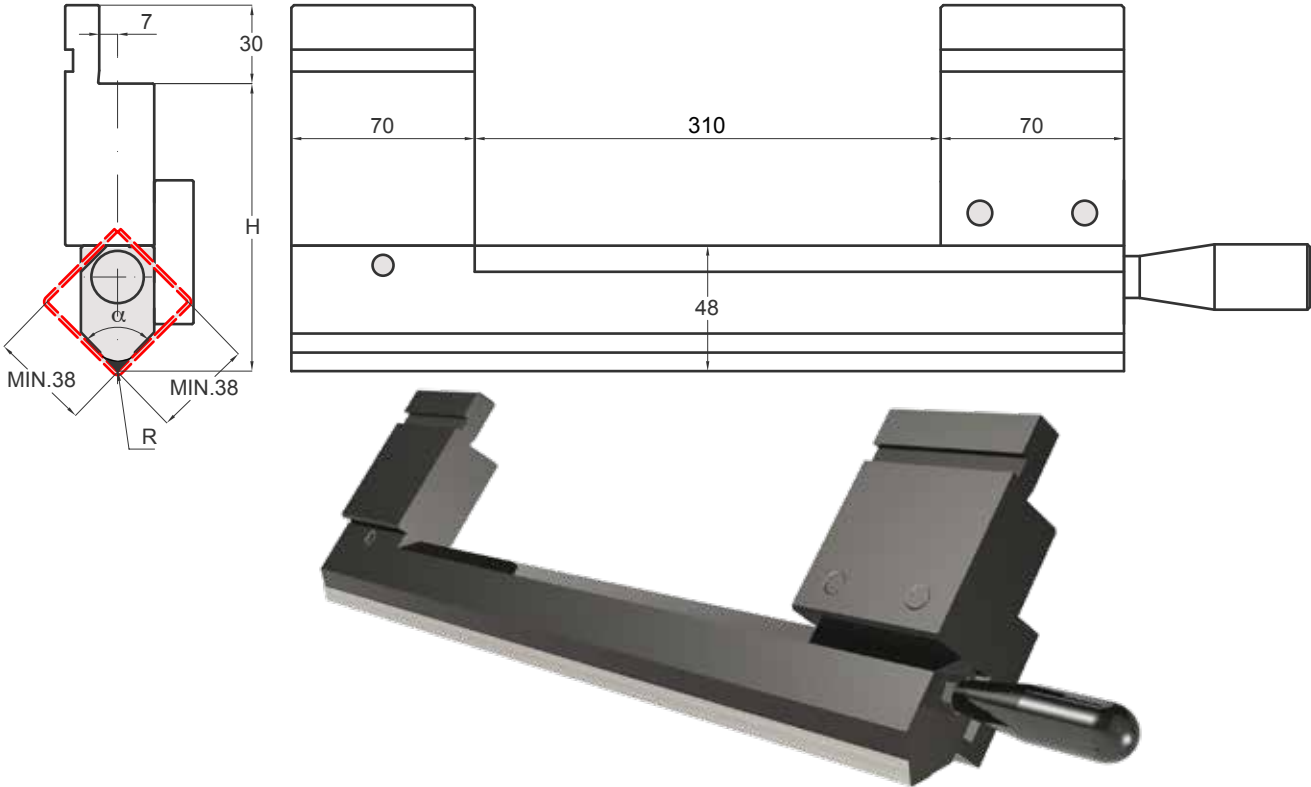
OBERWERKZEUGE ROTAX UND BEWEGLICHE HÖRNER

PUNZONE ROTANTE - ROTARY PUNCH

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

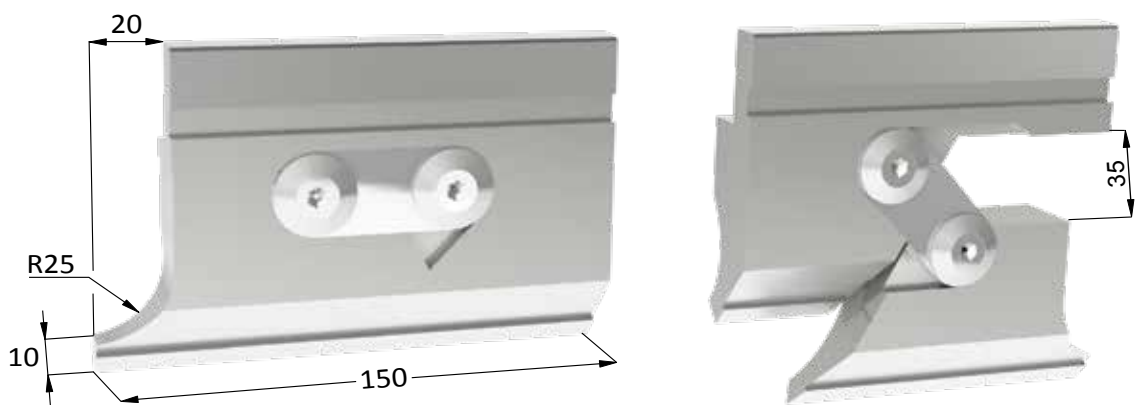
| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 40.670 | 88°      | 0.80 | 110.00 | 15   |    |
| 40.680 | 85°      | 0.80 | 110.00 | 15   |    |

88°  
85°



SCARPETTA MOBILE - MOVING HORNS

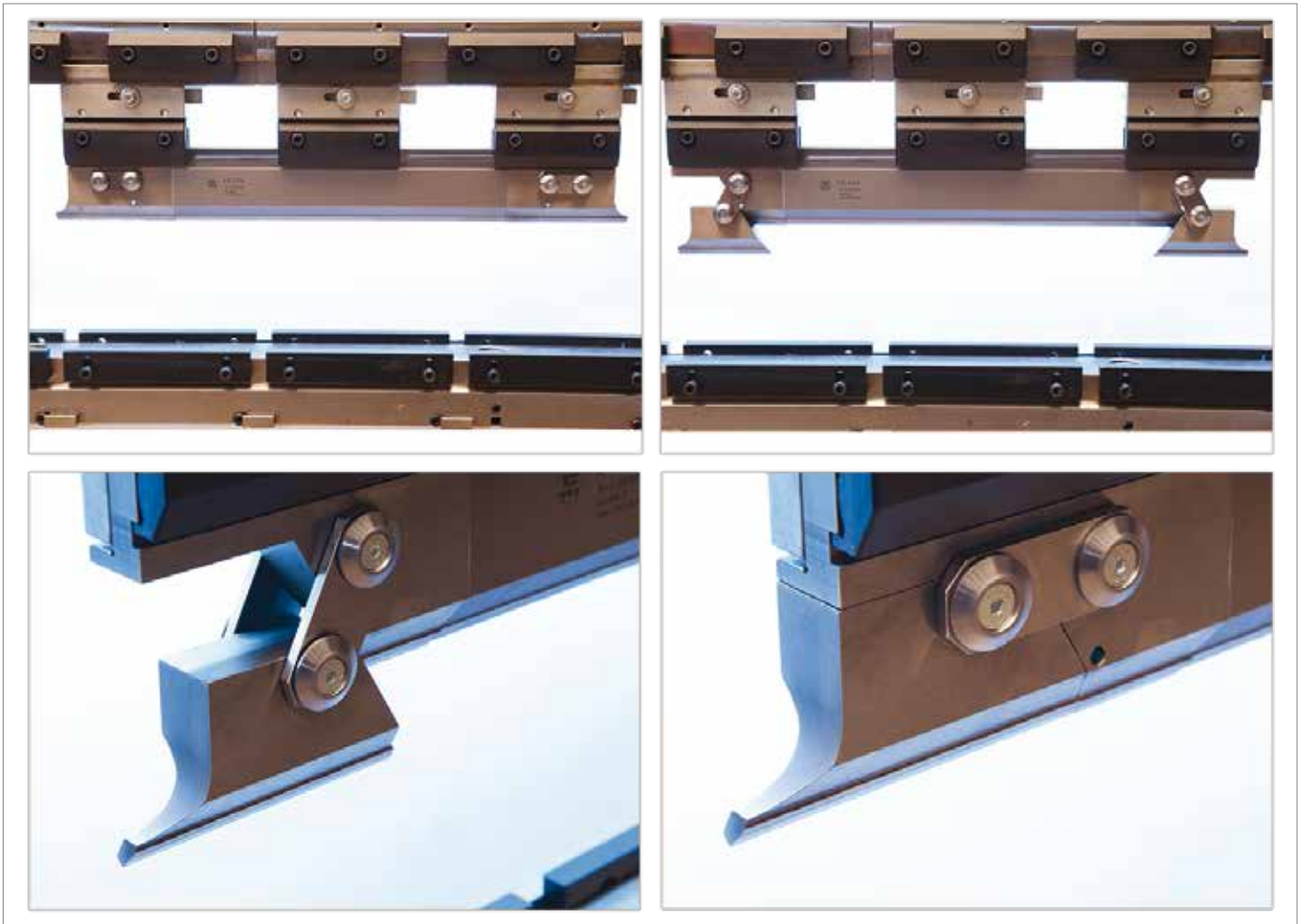
ADATTE ALL'ESECUZIONE DI SCATOLE - SUITABLE TO BOXES PRODUCTION - ADAPTADO A LA EJECUCIÓN DE LA CAJA  
ADAPTADO PARA FAZER CAIXA - ADAPTÉ A LA RÉALISATION DE BOITES - GEEIGNET ZUR HERSTELLUNG VON SCHACHTELN

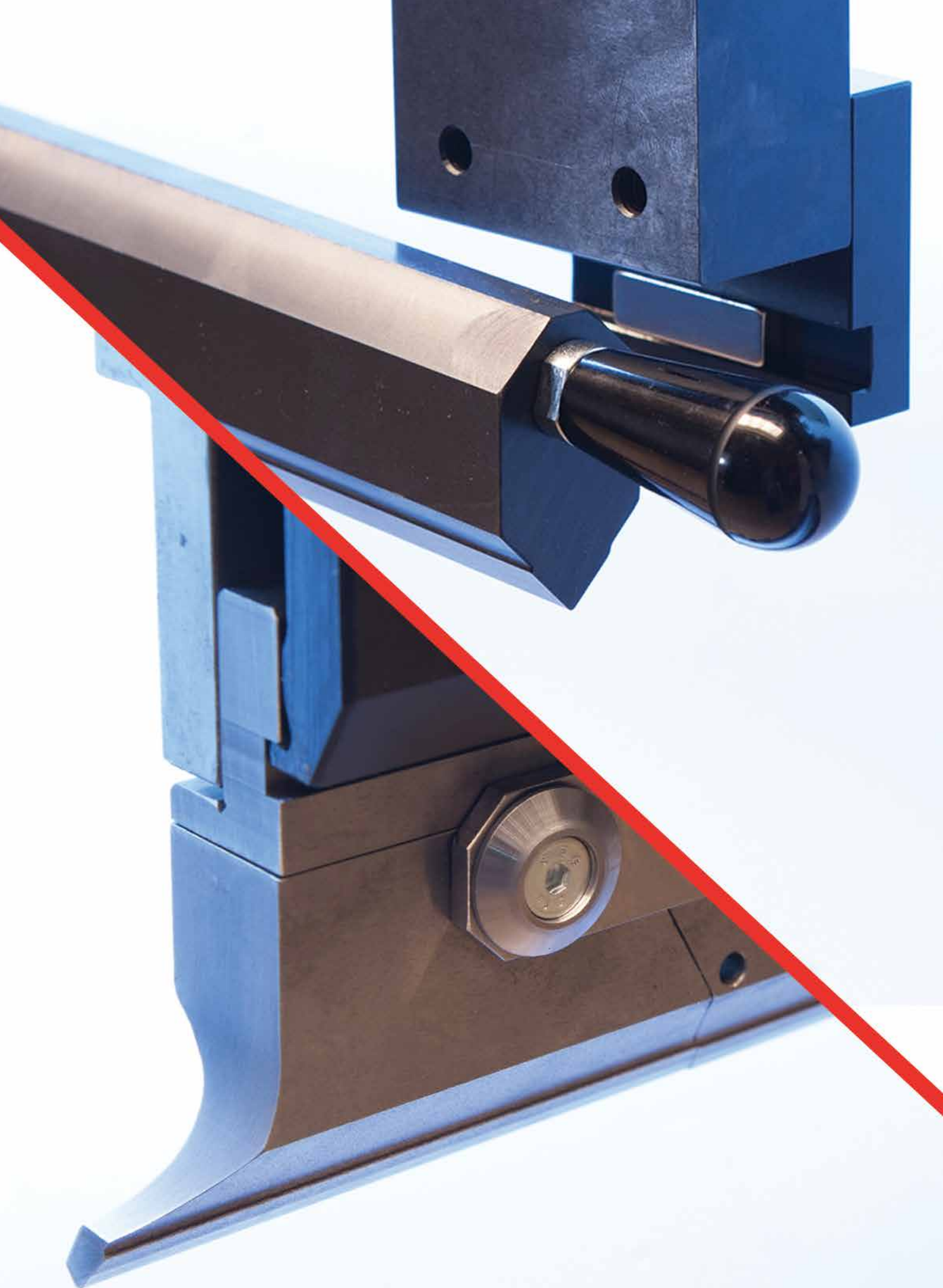


SCARPETTA MOBILE - MOVING HORNS - BIGORNIAS MÓVILES - BIGORNAS MÓVEIS - BIGORNE MOBILE - BEWEGLICHE HÖRNER

| 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

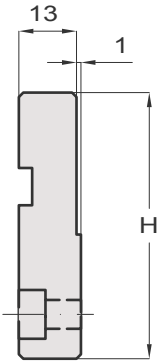
### ***AMADA - PROMECAM STYLE***

LAME E SUPPORTO PER LAME - BLADES AND BLADES HOLDER

CUCHILLAS Y SOPORTES - SUPORTES E LÂMINAS

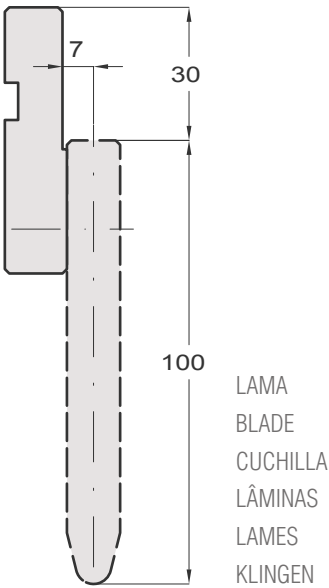
LAMES ET SUPPORTS LAMES - KLINGENHALTER UND KLINGEN

| CODE   | $\alpha$ | R | H     | T/Mt | Mt |
|--------|----------|---|-------|------|----|
| 10.400 |          |   | 60.00 |      |    |

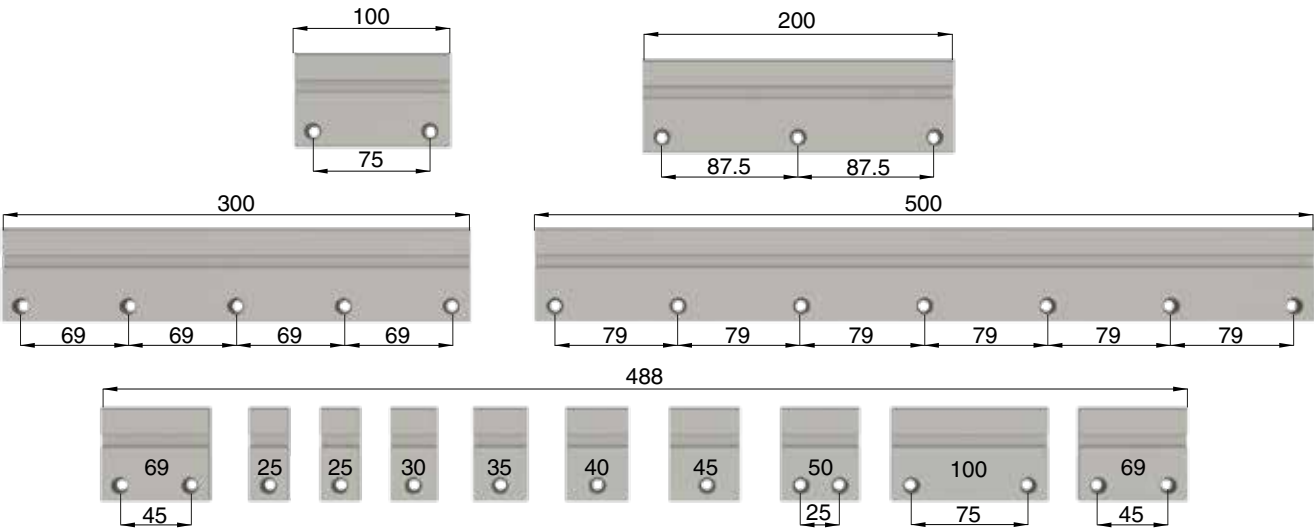


|         |     |     |     |     |
|---------|-----|-----|-----|-----|
| LENGTH  | 100 | 200 | 300 | 500 |
| SECTION | 488 |     |     |     |

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



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

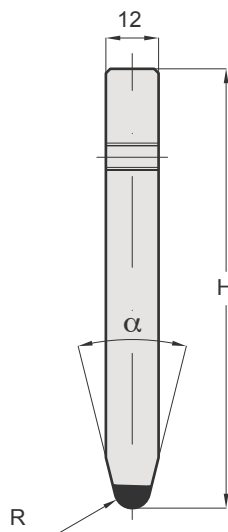


# LAME - BLADES 28° / 84° / 86°

LAMA - BLADE - CUCHILLAS - LÂMINAS - LAMES - KLINGEN

| CODE   | $\alpha$ | 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  |    |

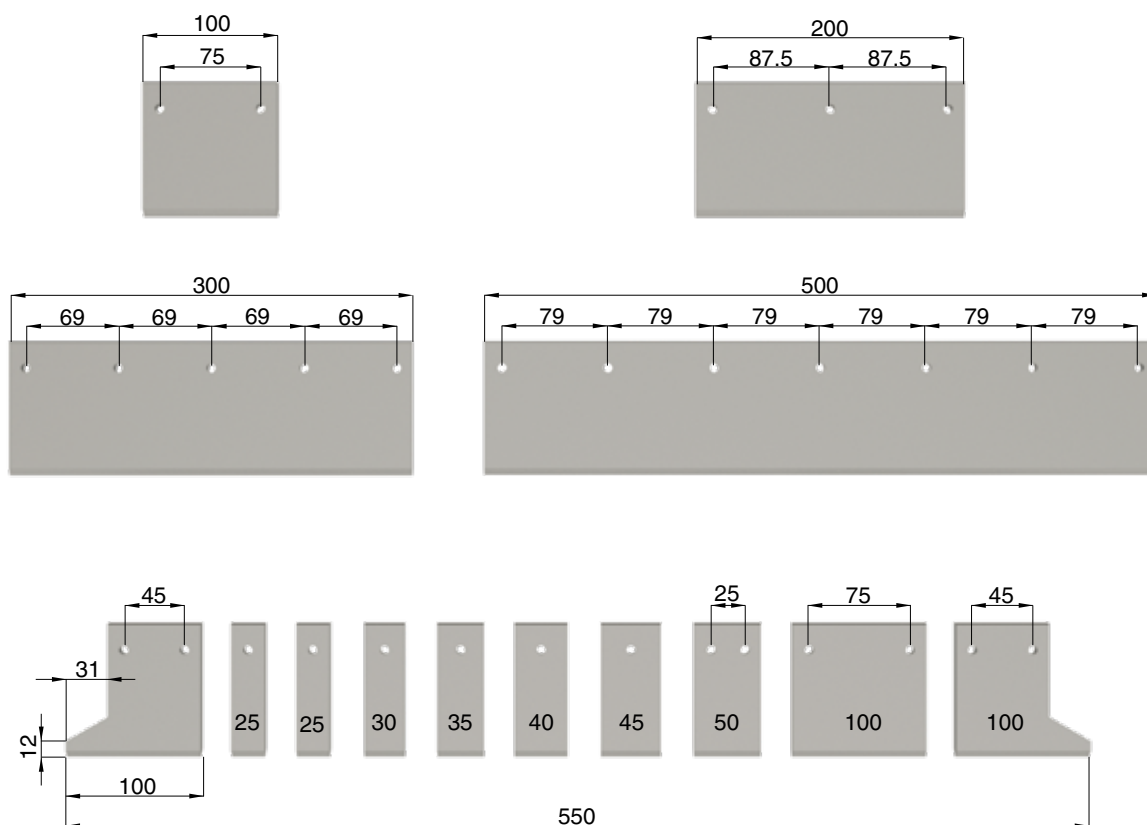
86°  
84°  
28°



|         |     |     |     |     |
|---------|-----|-----|-----|-----|
| 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 - SEKTIONIERT 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 - SUPTRES PARA INSERTOS EM Z

SUPPORTS POUR OUTILS EN Z - HALTERPAAR FÜR Z-WERKZEUGEINSÄTZE

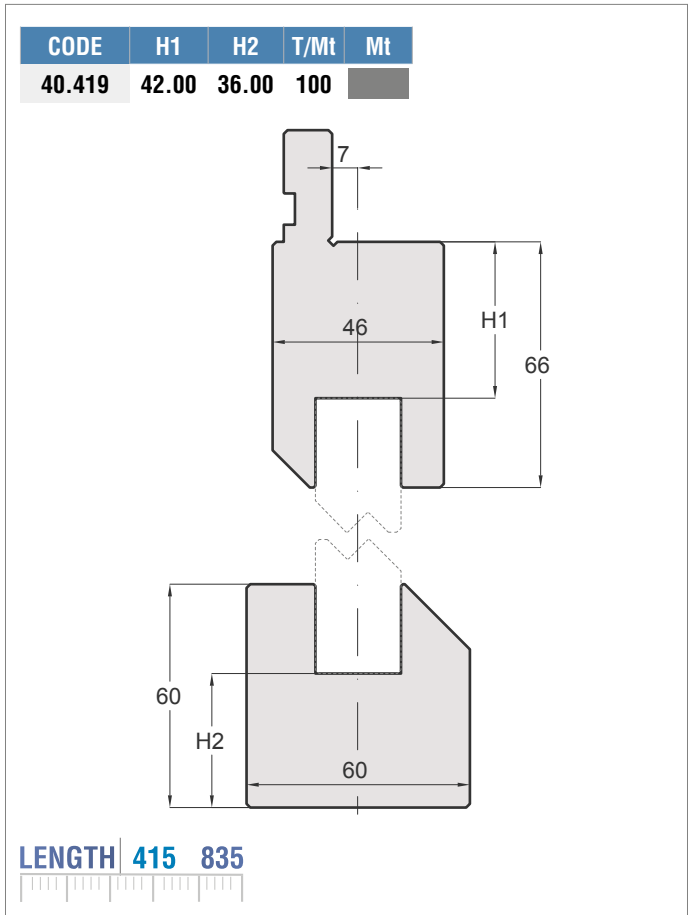
INSERTI A Z E INSERTI RAGGIATI - RADIUS AND Z INSERTS

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



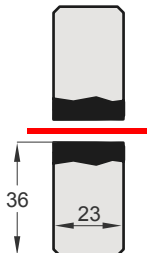
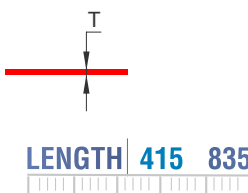
|      | LEGENDA        | LEGEND        | LEYENDA         | LEGENDA          | LÉGENDE       | LEGENDE            |
|------|----------------|---------------|-----------------|------------------|---------------|--------------------|
| Z    | = SALTO A Z    | Z OFFSET      | SALTO DE Z      | DEGRAU DO 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

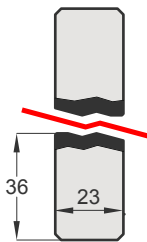
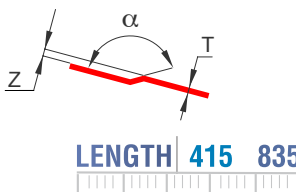
| CODE   | Z | $\alpha$ | T | T/Mt | Mt |
|--------|---|----------|---|------|----|
| 40.500 |   |          |   | 100  |    |

LENGTH 415 835

| CODE   | Z    | $\alpha$ | T      | T/Mt | Mt |
|--------|------|----------|--------|------|----|
| 40.510 | 1.00 | 160°     | 1 mm   | 100  |    |
| 40.515 | 1.50 | 160°     | 1,2 mm | 100  |    |
| 40.520 | 2.00 | 150°     | 1,5 mm | 100  |    |
| 40.525 | 2.50 | 140°     | 1,5 mm | 100  |    |

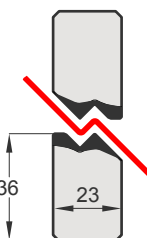
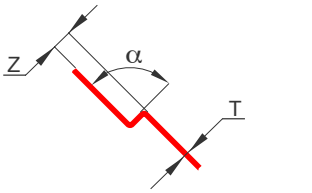
160°  
150°  
140°

LENGTH 415 835

| CODE   | Z    | $\alpha$ | T      | T/Mt | Mt |
|--------|------|----------|--------|------|----|
| 40.511 | 1.00 | 90°      | 0,5 mm | 100  |    |
| 40.516 | 1.50 | 90°      | 0,5 mm | 100  |    |
| 40.521 | 2.00 | 90°      | 0,5 mm | 100  |    |
| 40.526 | 2.50 | 90°      | 0,8 mm | 100  |    |
| 40.530 | 3.00 | 90°      | 1 mm   | 100  |    |
| 40.535 | 3.50 | 90°      | 1 mm   | 100  |    |
| 40.540 | 4.00 | 90°      | 1,2 mm | 100  |    |
| 40.545 | 4.50 | 90°      | 1,2 mm | 100  |    |
| 40.550 | 5.00 | 90°      | 1,5 mm | 100  |    |
| 40.555 | 5.50 | 90°      | 1,5 mm | 100  |    |
| 40.560 | 6.00 | 90°      | 1,5 mm | 100  |    |
| 40.565 | 6.50 | 90°      | 1,5 mm | 100  |    |
| 40.570 | 7.00 | 90°      | 1,5 mm | 100  |    |
| 40.575 | 7.50 | 90°      | 1,6 mm | 100  |    |
| 40.580 | 8.00 | 90°      | 1,6 mm | 100  |    |

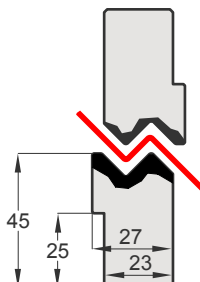
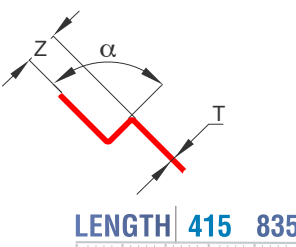
90°

LENGTH 415 835

| CODE   | Z     | $\alpha$ | T    | T/Mt | Mt |
|--------|-------|----------|------|------|----|
| 40.585 | 8.50  | 90°      | 2 mm | 100  |    |
| 40.590 | 9.00  | 90°      | 2 mm | 100  |    |
| 40.610 | 10.00 | 90°      | 2 mm | 100  |    |
| 40.611 | 11.00 | 90°      | 2 mm | 100  |    |
| 40.612 | 12.00 | 90°      | 2 mm | 100  |    |

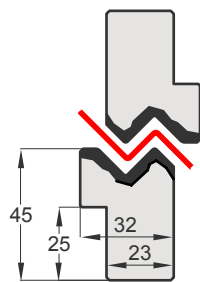
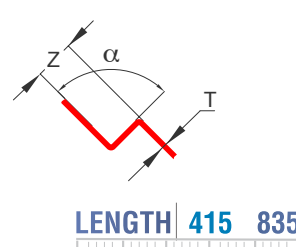
90°

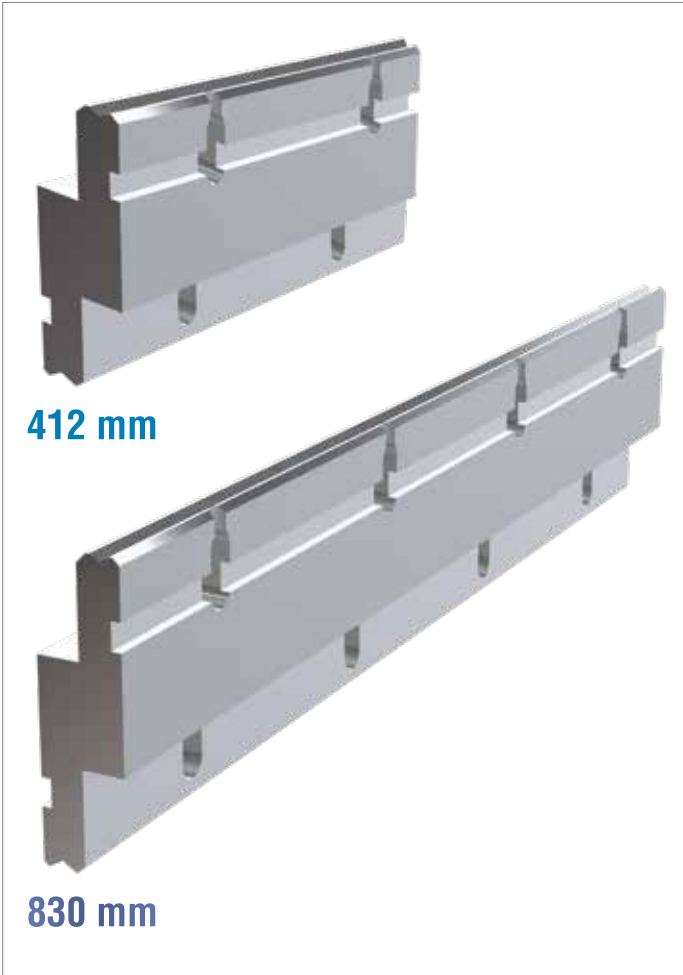
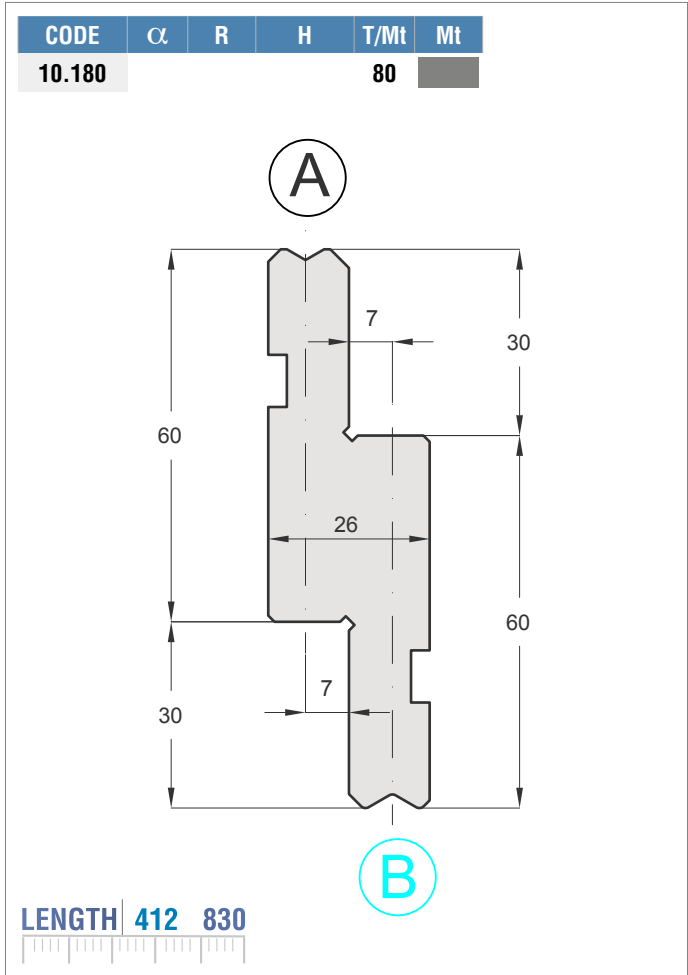
LENGTH 415 835

| CODE   | Z     | $\alpha$ | T      | T/Mt | Mt |
|--------|-------|----------|--------|------|----|
| 40.613 | 13.00 | 90°      | 2,5 mm | 100  |    |
| 40.614 | 14.00 | 90°      | 2,5 mm | 100  |    |
| 40.615 | 15.00 | 90°      | 3 mm   | 100  |    |

90°

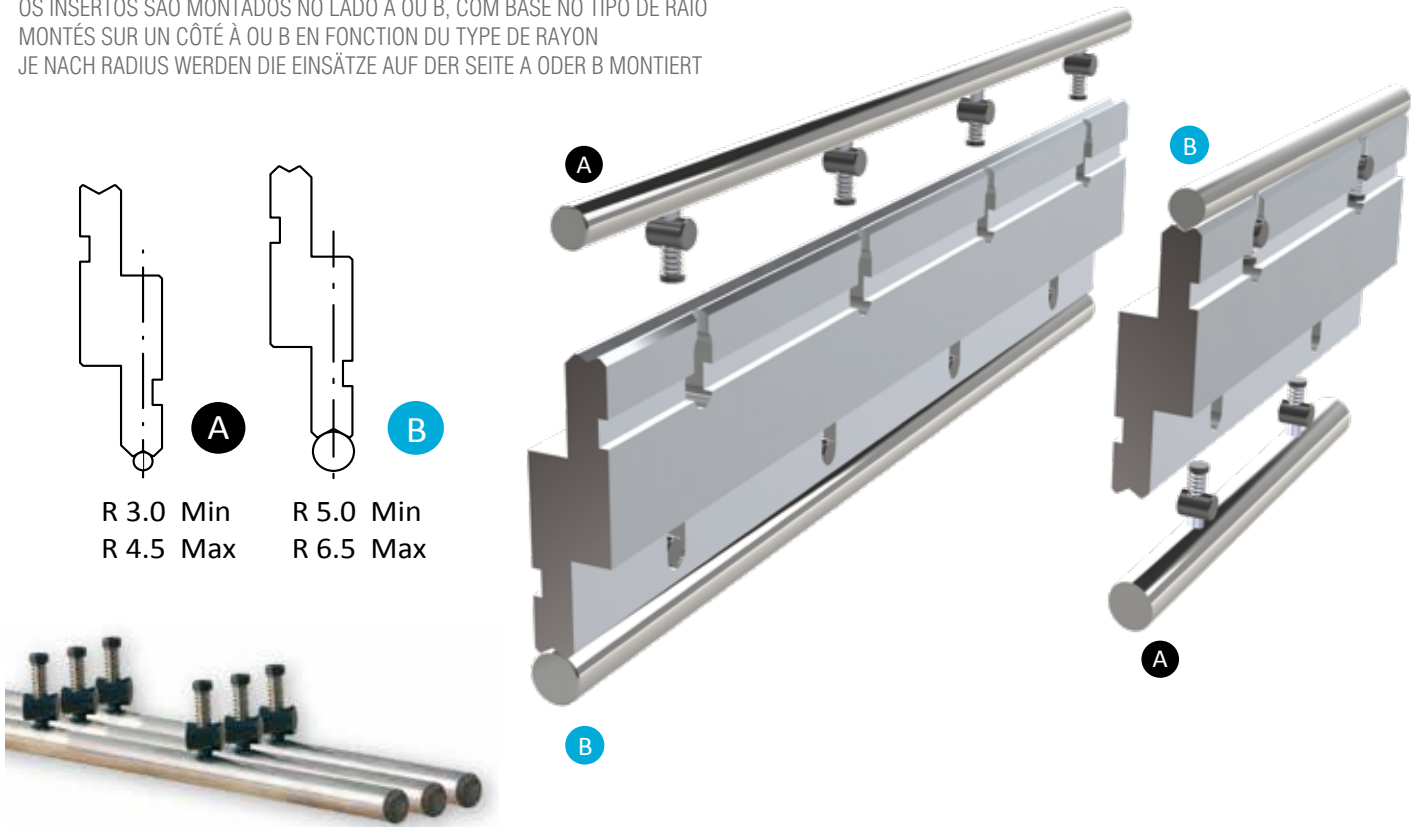



LENGTH 415 835



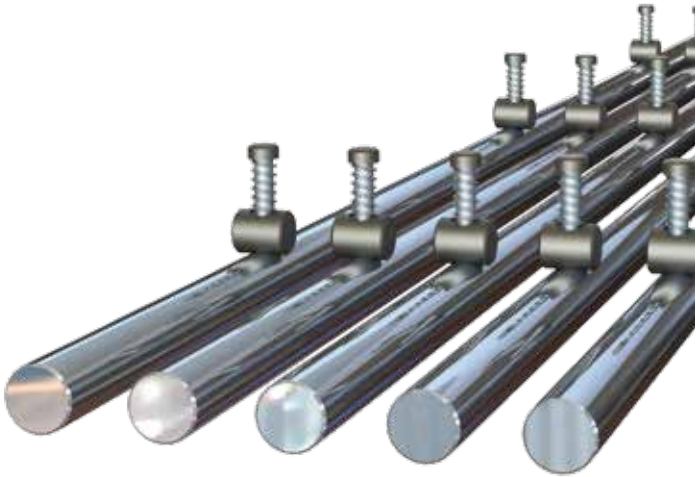
SCHEMA DI MONTAGGIO - ASSEMBLY SCHEME - ESQUEMA DE MONTAJE - ESQUEMA DE MONTAGEM - SCHÉMA DE MONTAGE - MONTAGESCHEMA

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 RAIO  
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



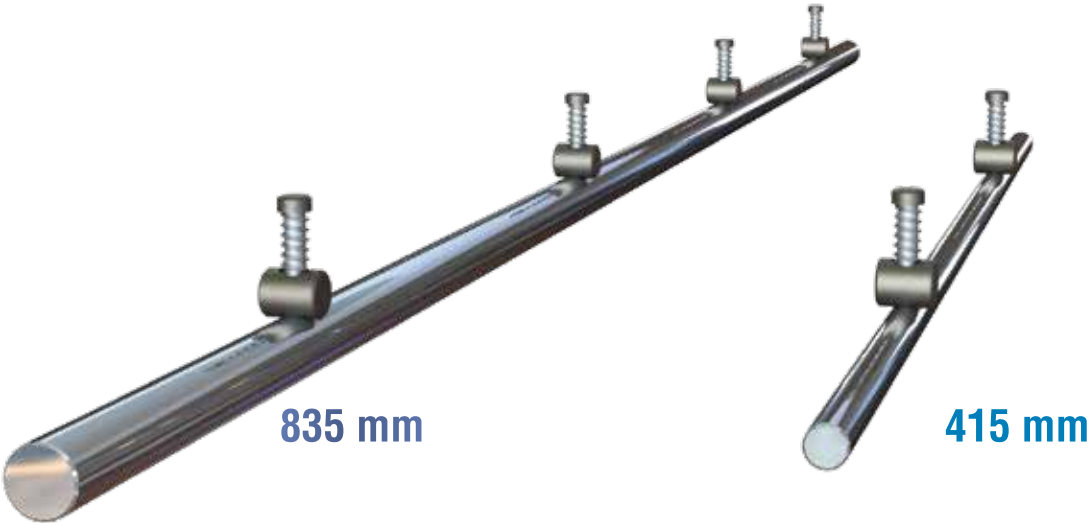
INSERTI RAGGIATI - RADIUS INSERTS

| 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 |    |



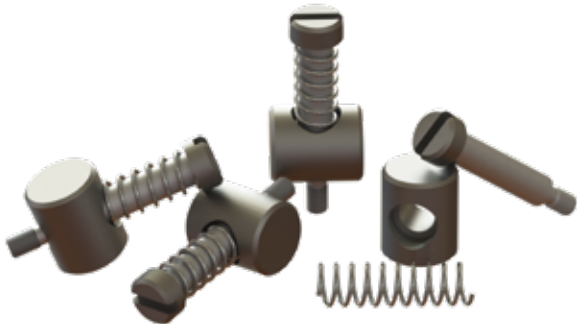
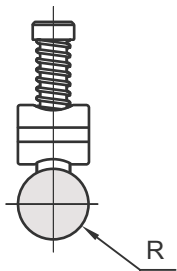
LENGTH | 415 835

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

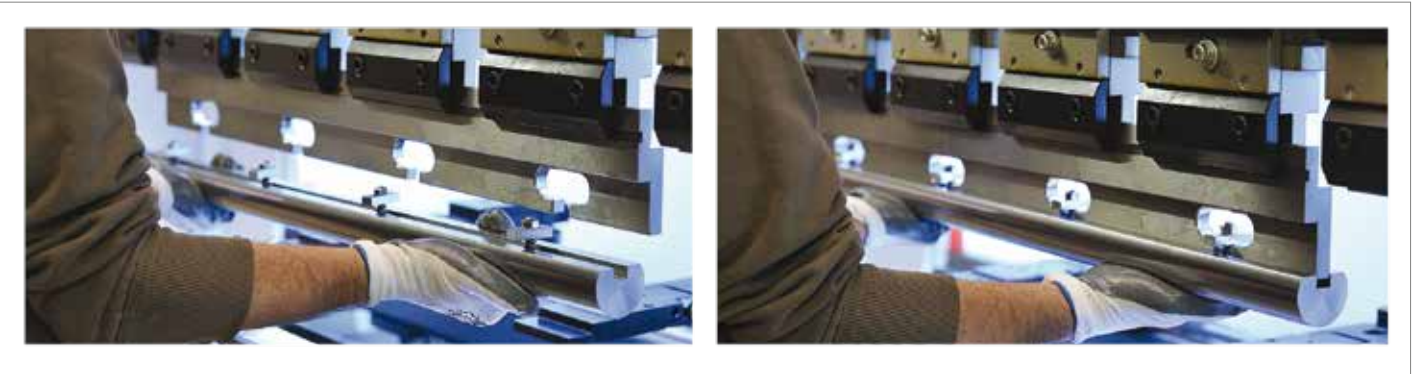
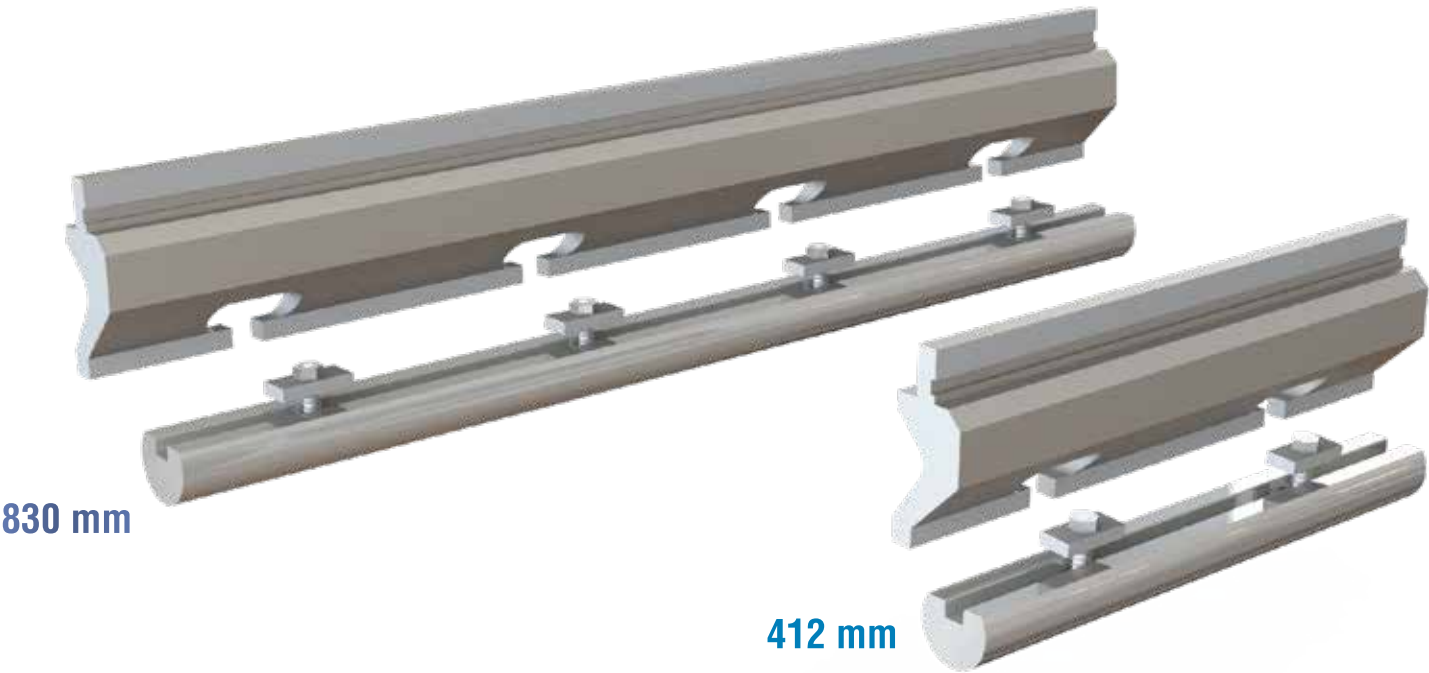
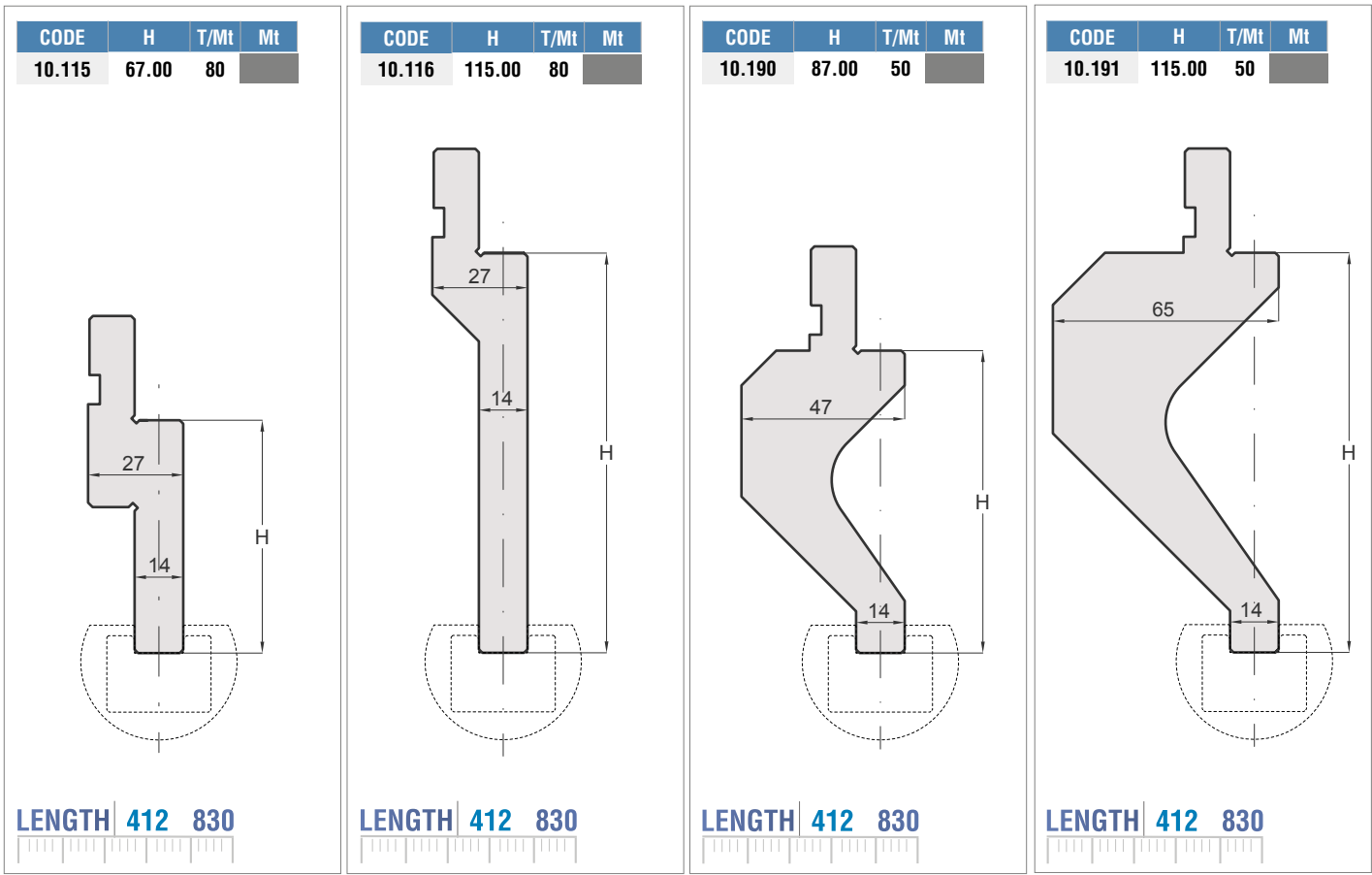


PARTI DI RICAMBIO - SPARE PARTS - RECAMBIOS - PEÇAS DE SUBSTITUIÇÃO - PIÈCES DE RECHANGE - ERSATZTEILE

CODE  
40.003



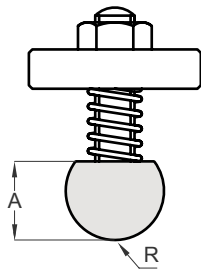
SUPPORTI PER INSERTI RAGGIATI / PIANI - RADIUS / FLAT INSERT HOLDERS



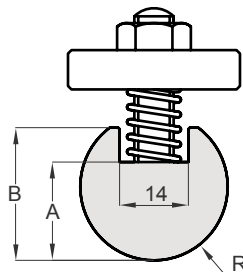
## INSERTI RAGGIATI - RADIUS INSERTS

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

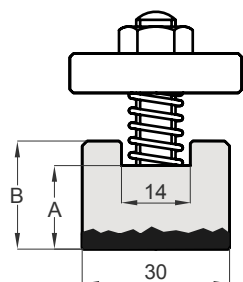
ACCIAIO - STEEL C45



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

11.308

11.309

11.310

11.311

11.312

11.313

11.314

11.315

11.316

11.317

11.318

11.319

11.320

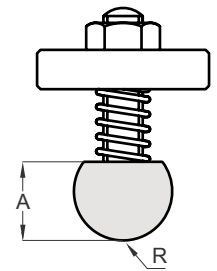
11.321

11.322

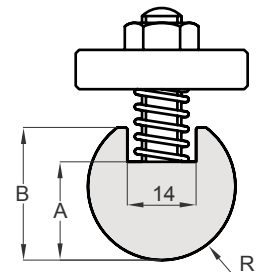
11.323

11.324

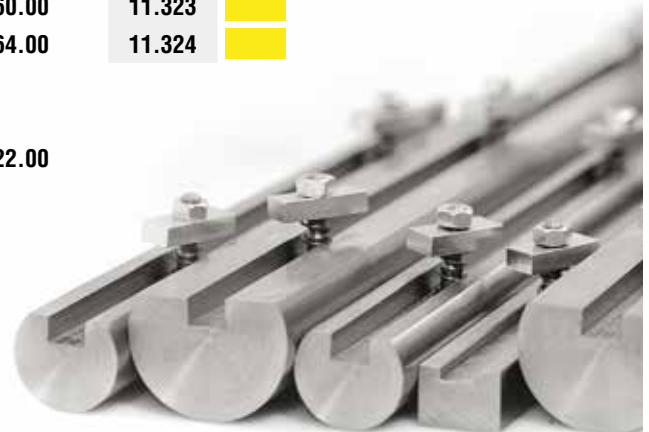
STEEL 42CrMo4 (UNI EN 10083-93)  
NITRIDED 60-62 HRC



LENGTH 415 835



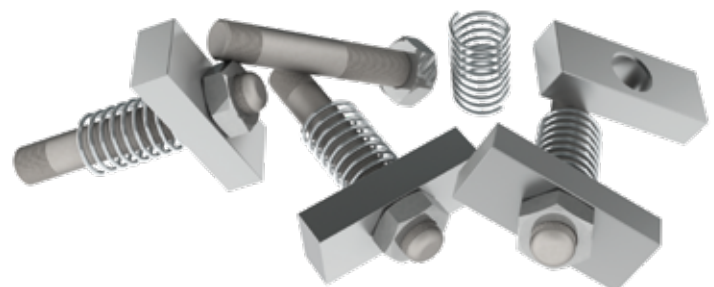
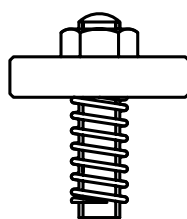
LENGTH 415 835

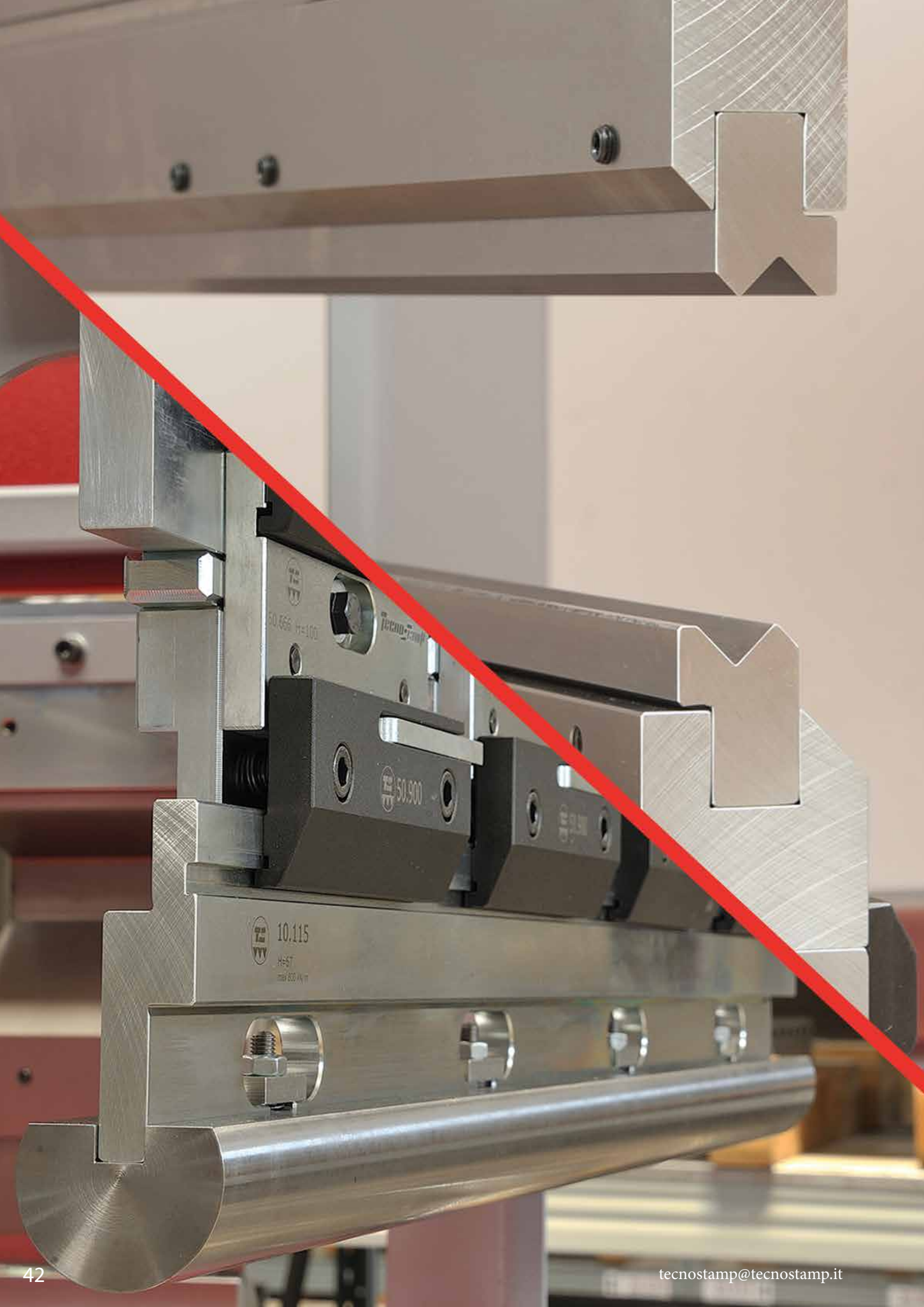


PARTI DI RICAMBIO - SPARE PARTS - RECAMBIO - PEÇAS DE SUBSTITUIÇÃO - PIÈCES DE RECHANGE - ERSATZTEILE

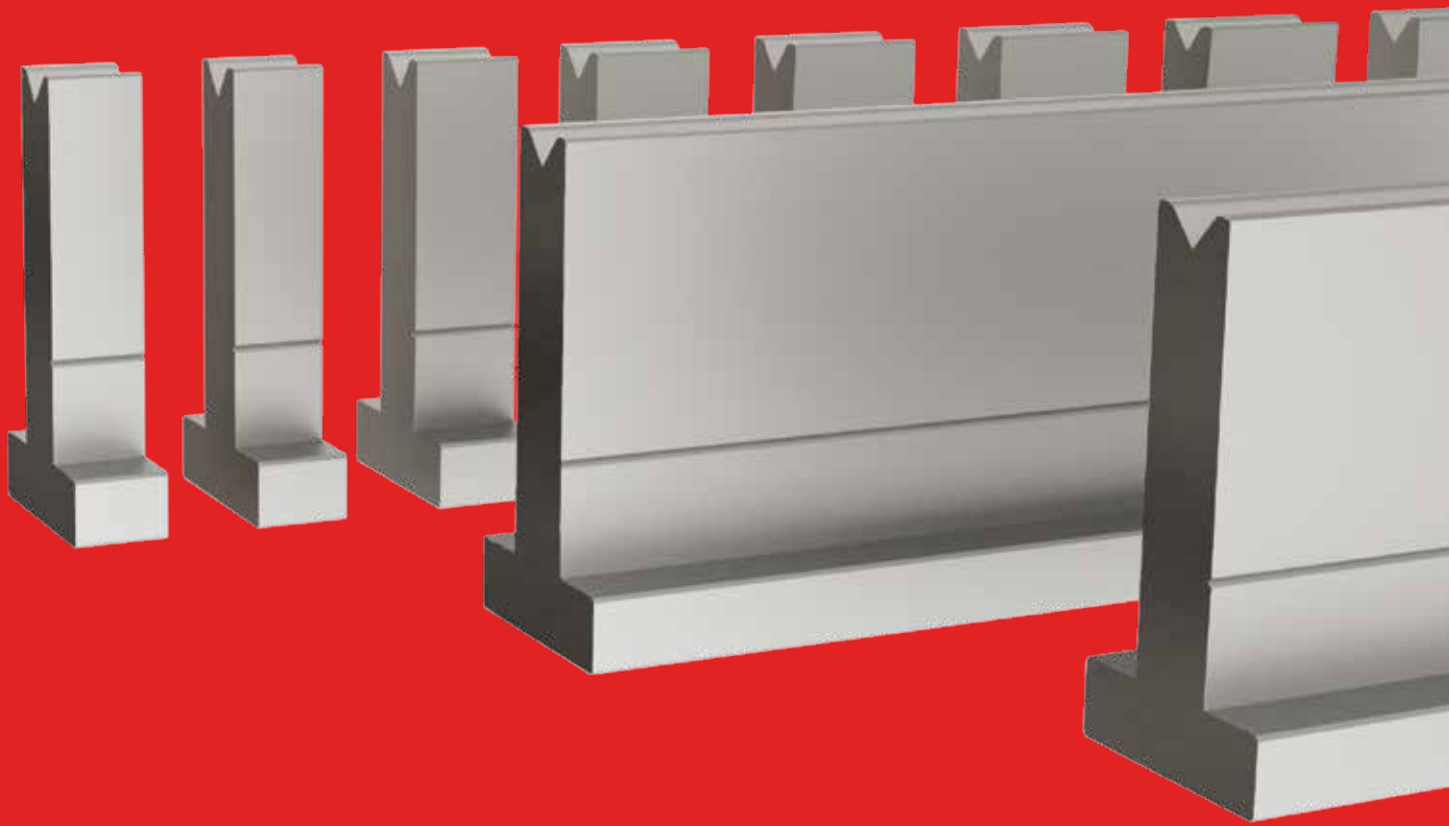
CODE

40.002





# MATRICI DIES



## RED LINE

***AMADA - PROMECAM STYLE***

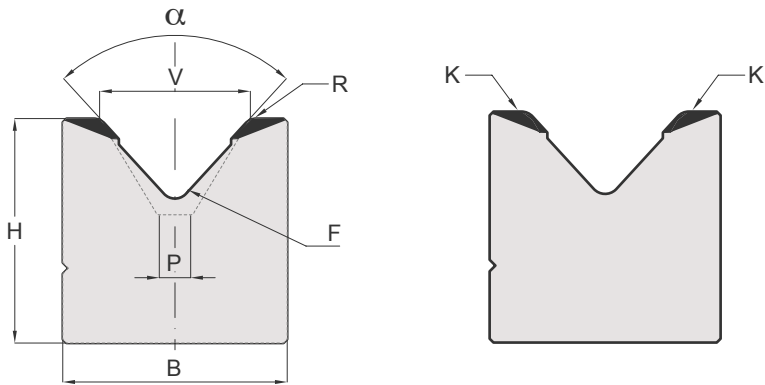
MATRICI - DIES

MATRICES - MATRIZES

MATRICES - MATRIZEN

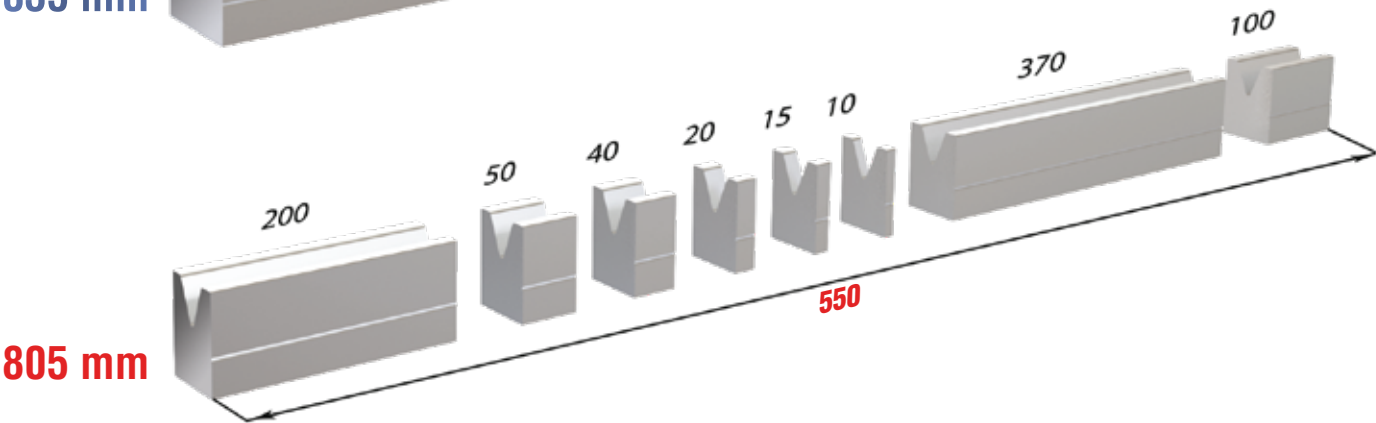
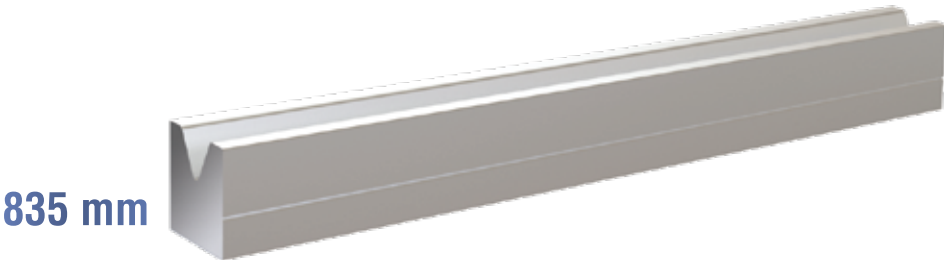
# MATRICI - DIES

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)

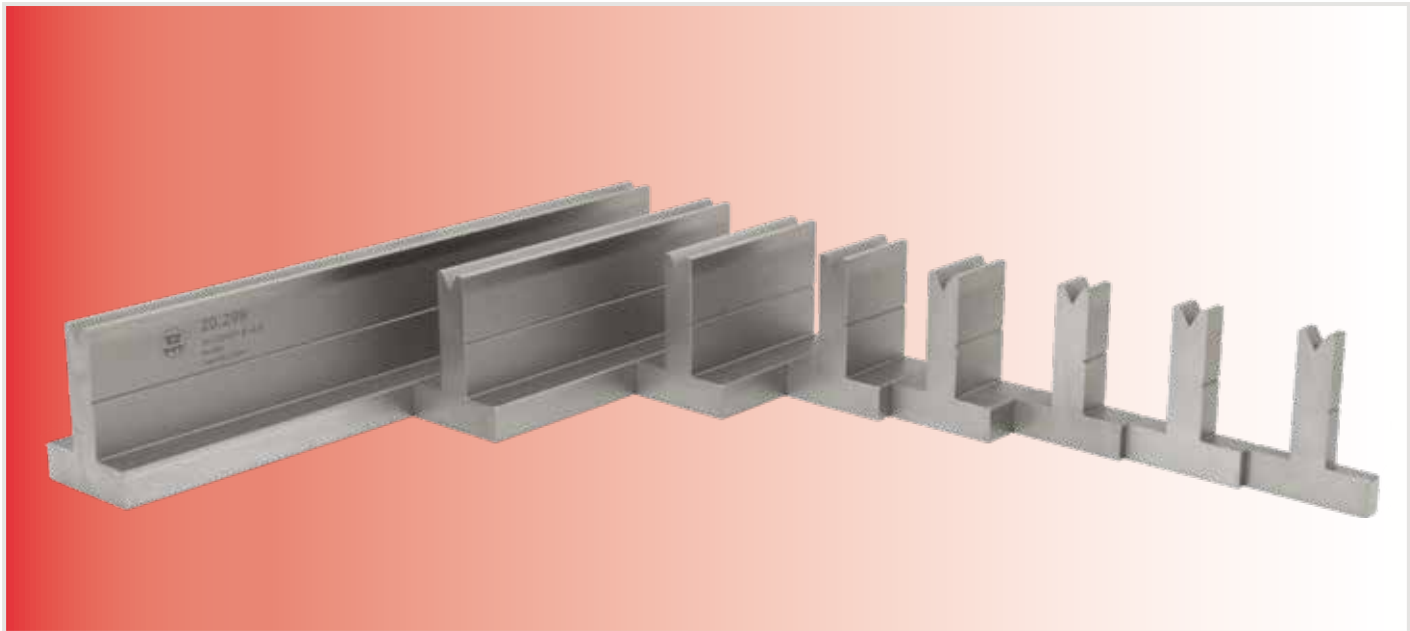


|   |   | LEGENDA         | LEGEND      | LEYENDA          | LEGENDA          | LÉGENDE         | LEGENDE          |
|---|---|-----------------|-------------|------------------|------------------|-----------------|------------------|
| H | = | ALTEZZA         | HEIGHT      | ALTURA           | ALTURA           | HAUTEUR         | STEMPELHÖHE      |
| α | = | ANGOLO          | ANGLE       | ÂNGULO           | 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           |

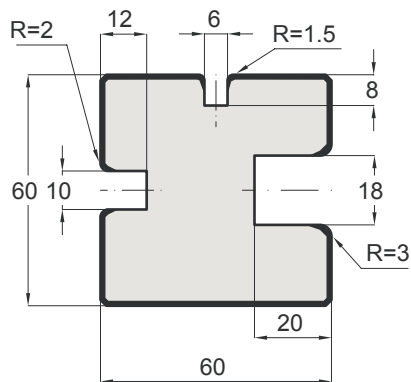




|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |



| CODE   | T/Mt | Mt |
|--------|------|----|
| 21.209 | 100  |    |

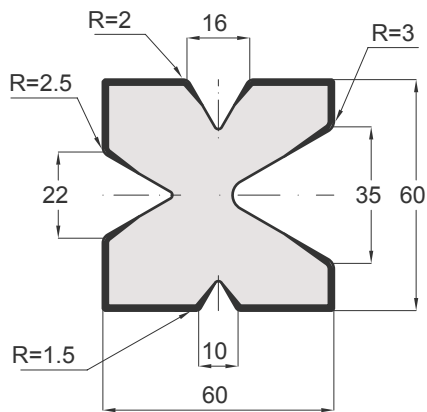


|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |



| CODE   | $\alpha$ | T/Mt | Mt |
|--------|----------|------|----|
| 20.350 | 60°      | 60   |    |

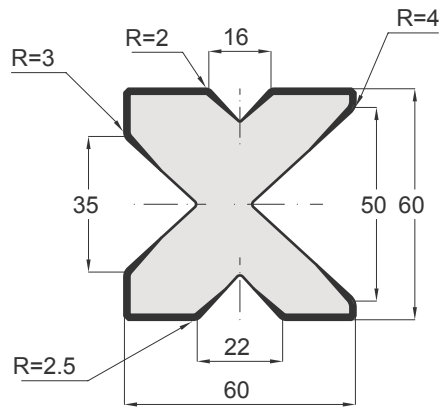
60°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | T/Mt | Mt |
|--------|----------|------|----|
| 21.207 | 85°      | 80   |    |

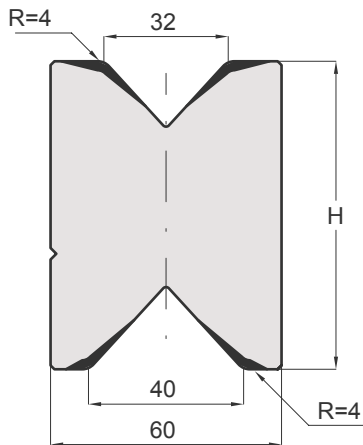
85°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | H     | T/Mt | Mt |
|--------|----------|-------|------|----|
| 20.820 | 85°      | 80.00 | 100  |    |

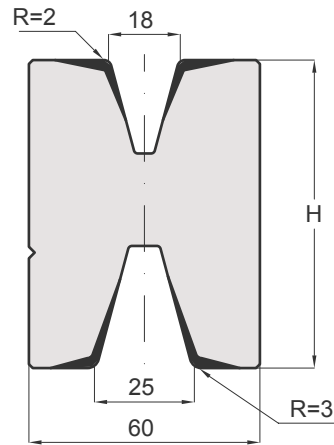
85°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | H     | T/Mt | Mt |
|--------|----------|-------|------|----|
| 20.830 | 30°      | 80.00 | 100  |    |

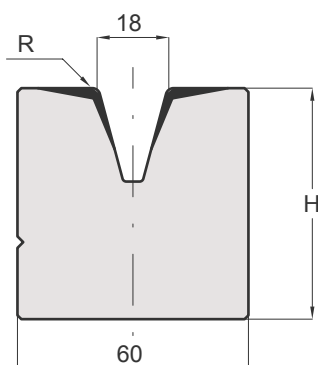
30°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | V  | R    | H     | T/Mt | Mt |
|--------|----------|----|------|-------|------|----|
| 20.494 | 30°      | 18 | 2.00 | 60.00 | 100  |    |

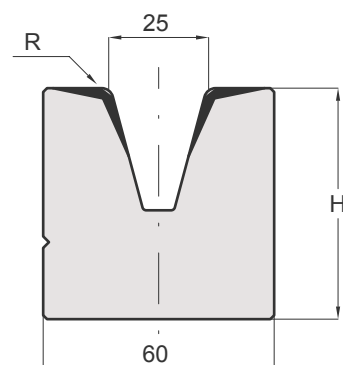
30°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | V  | R    | H     | T/Mt | Mt |
|--------|----------|----|------|-------|------|----|
| 20.325 | 30°      | 25 | 3.00 | 60.00 | 100  |    |

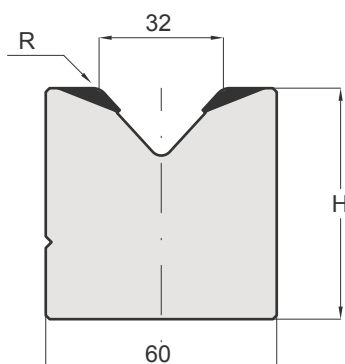
30°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | V  | R    | H     | T/Mt | Mt |
|--------|----------|----|------|-------|------|----|
| 20.210 | 85°      | 32 | 4.00 | 60.00 | 100  |    |

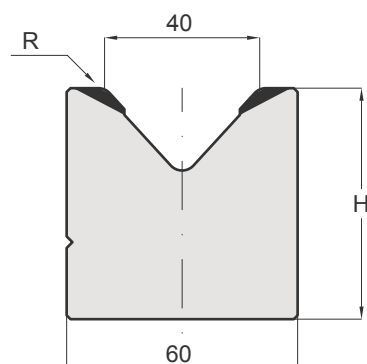
85°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | V  | R    | H     | T/Mt | Mt |
|--------|----------|----|------|-------|------|----|
| 20.211 | 85°      | 40 | 4.00 | 60.00 | 100  |    |

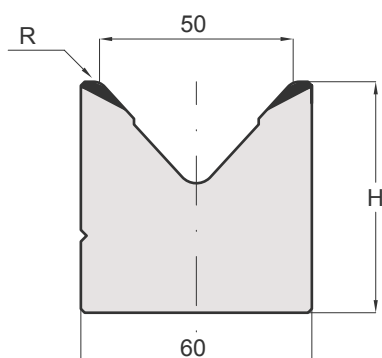
85°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | V  | R    | H     | T/Mt | Mt |
|--------|----------|----|------|-------|------|----|
| 20.212 | 85°      | 50 | 4.00 | 60.00 | 100  |    |

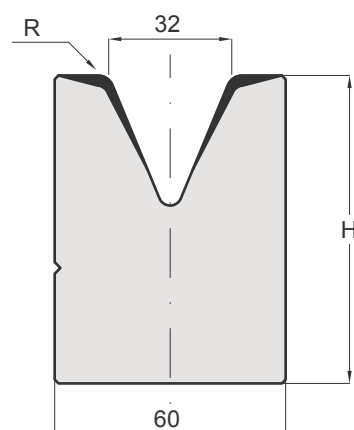
85°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | V  | R    | H     | T/Mt | Mt |
|--------|----------|----|------|-------|------|----|
| 20.484 | 45°      | 32 | 4.00 | 80.00 | 100  |    |

45°



|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | $\alpha$ | V  | R    | H     | T/Mt | Mt |
|--------|----------|----|------|-------|------|----|
| 20.440 | 45°      | 40 | 4.00 | 75.00 | 100  |    |

**45°**

LENGTH 415 835  
SECTION 805

| CODE   | $\alpha$ | V  | R    | H     | T/Mt | Mt |
|--------|----------|----|------|-------|------|----|
| 20.650 | 60°      | 50 | 5.00 | 75.00 | 100  |    |

**60°**

LENGTH 415 835  
SECTION 805

| CODE   | $\alpha$ | V  | R    | H     | T/Mt | Mt |
|--------|----------|----|------|-------|------|----|
| 20.370 | 60°      | 63 | 5.00 | 86.00 | 100  |    |

**60°**

LENGTH 415 835  
SECTION 805

| CODE   | $\alpha$ | V  | R    | H     | T/Mt | Mt |
|--------|----------|----|------|-------|------|----|
| 20.213 | 85°      | 63 | 5.00 | 75.00 | 100  |    |

**85°**

LENGTH 415 835  
SECTION 805

| CODE   | $\alpha$ | V  | R    | H     | T/Mt | Mt |
|--------|----------|----|------|-------|------|----|
| 20.214 | 85°      | 80 | 6.00 | 80.00 | 100  |    |

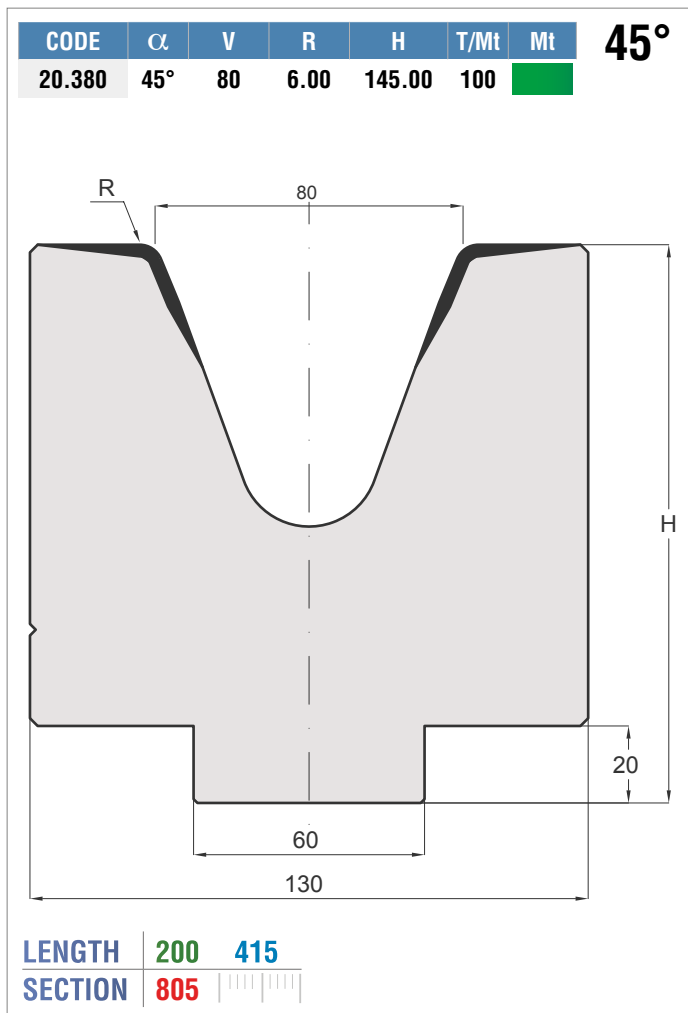
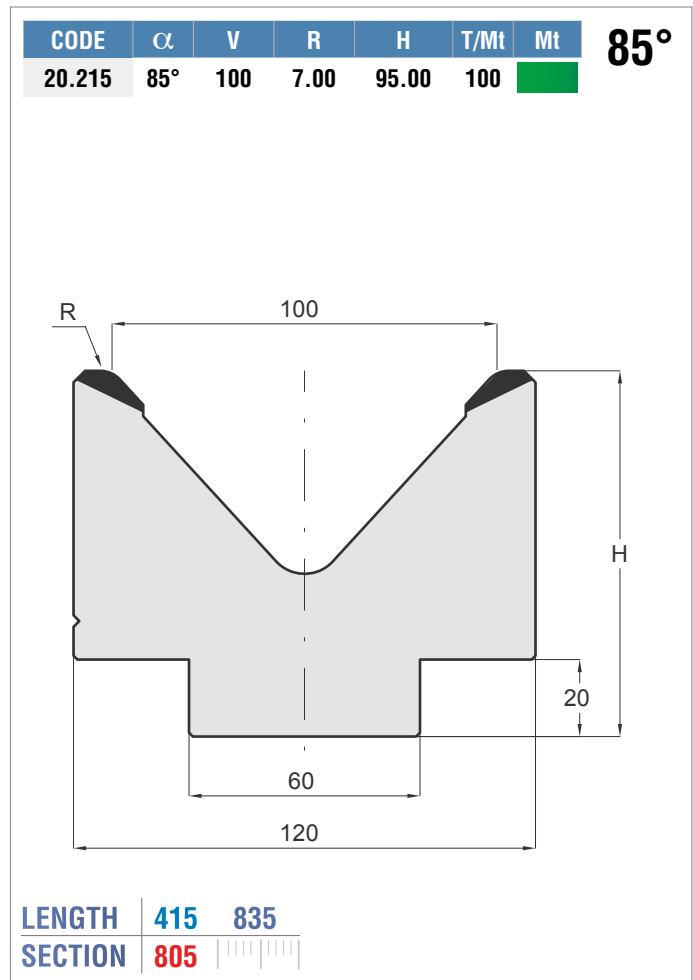
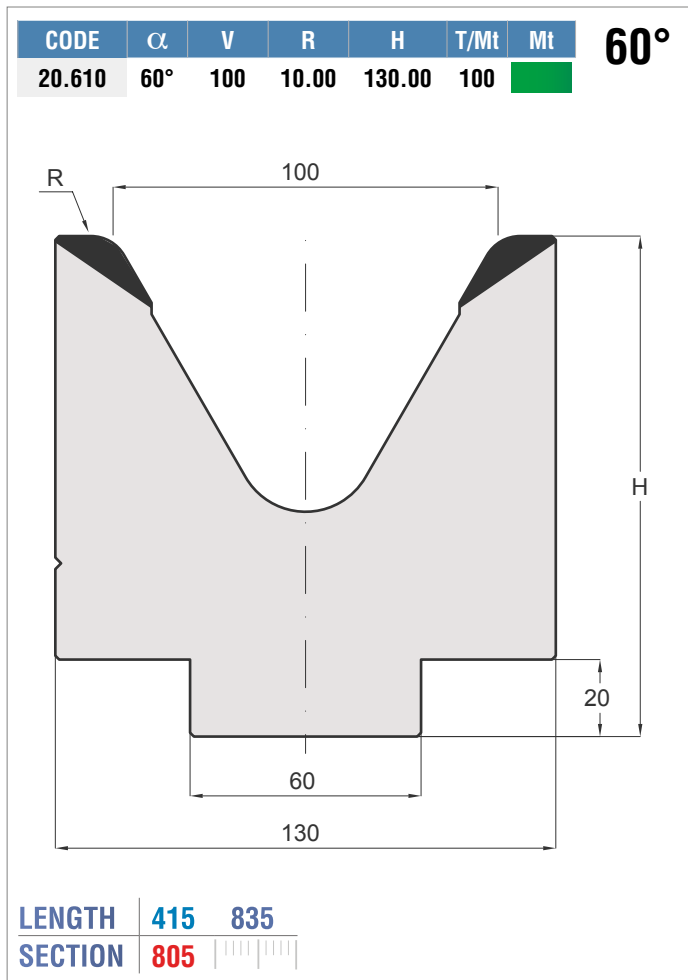
**85°**

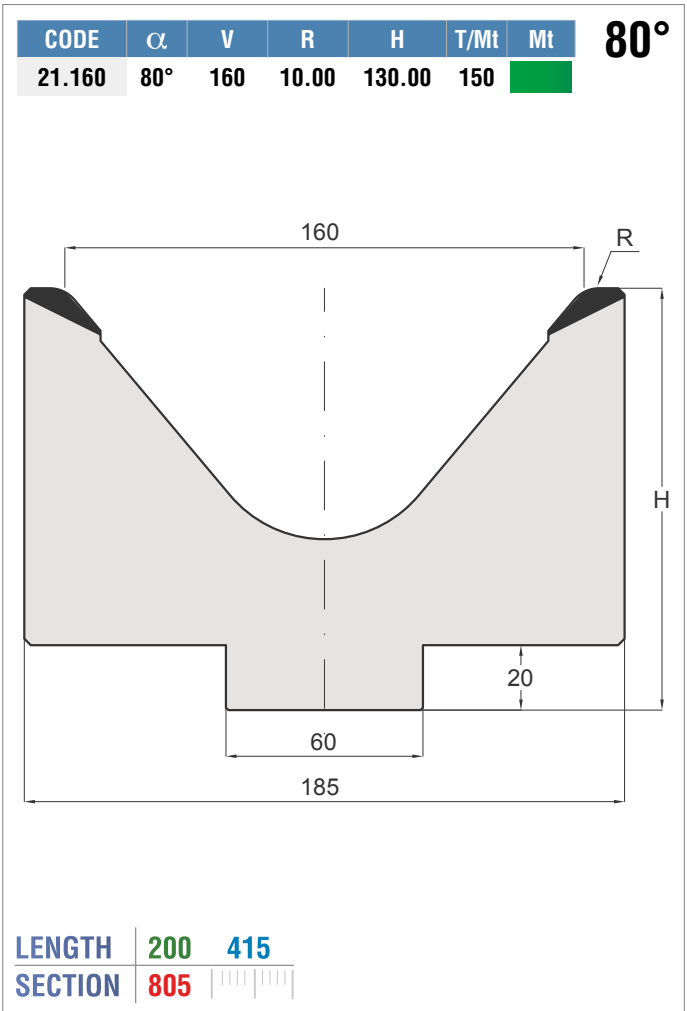
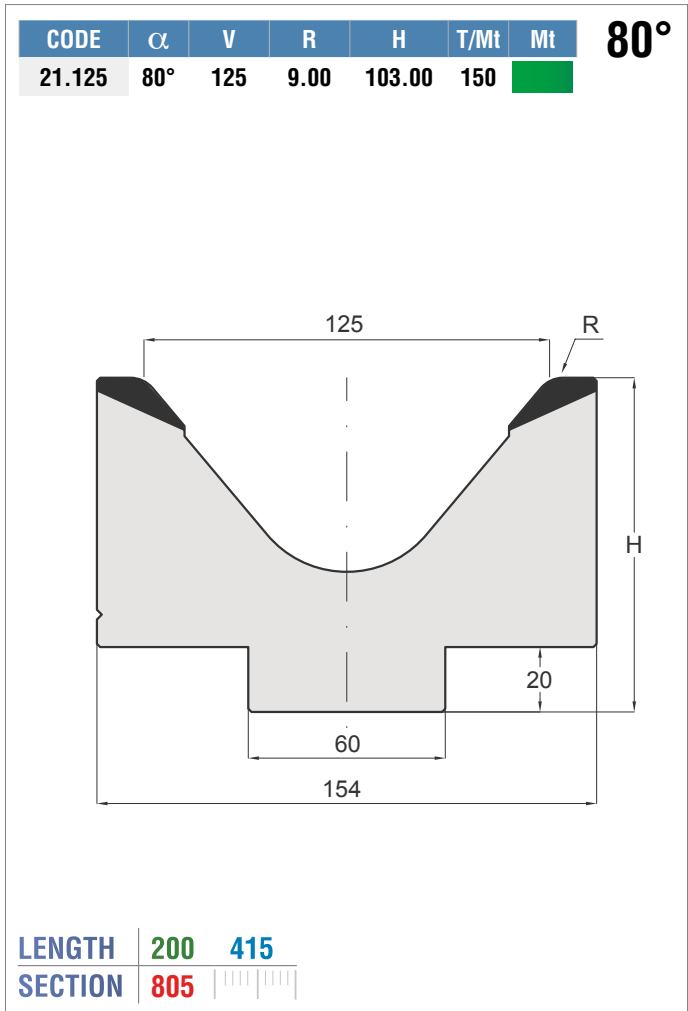
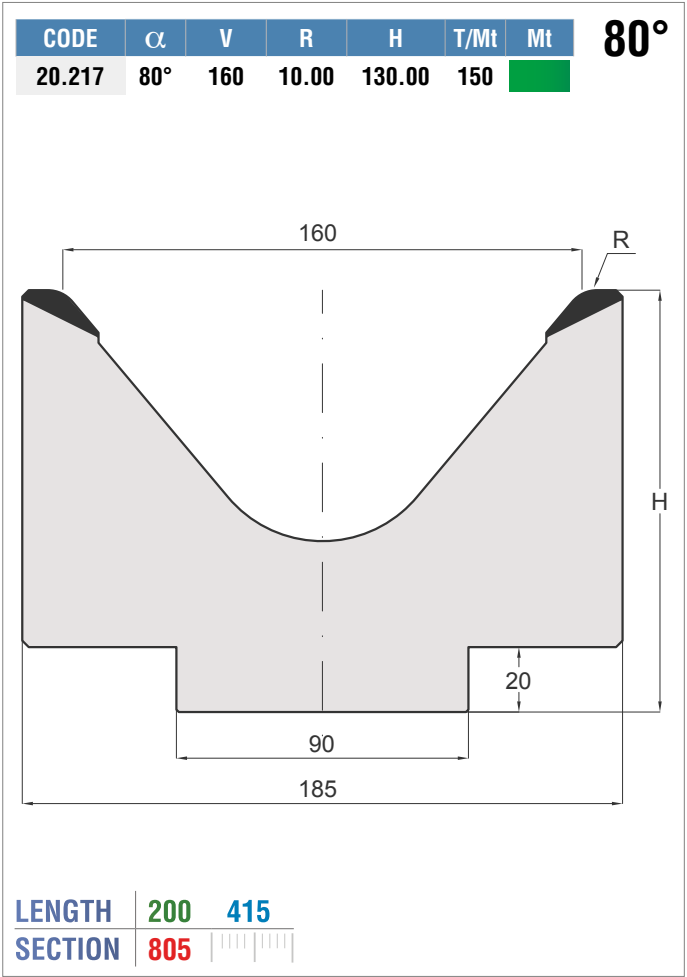
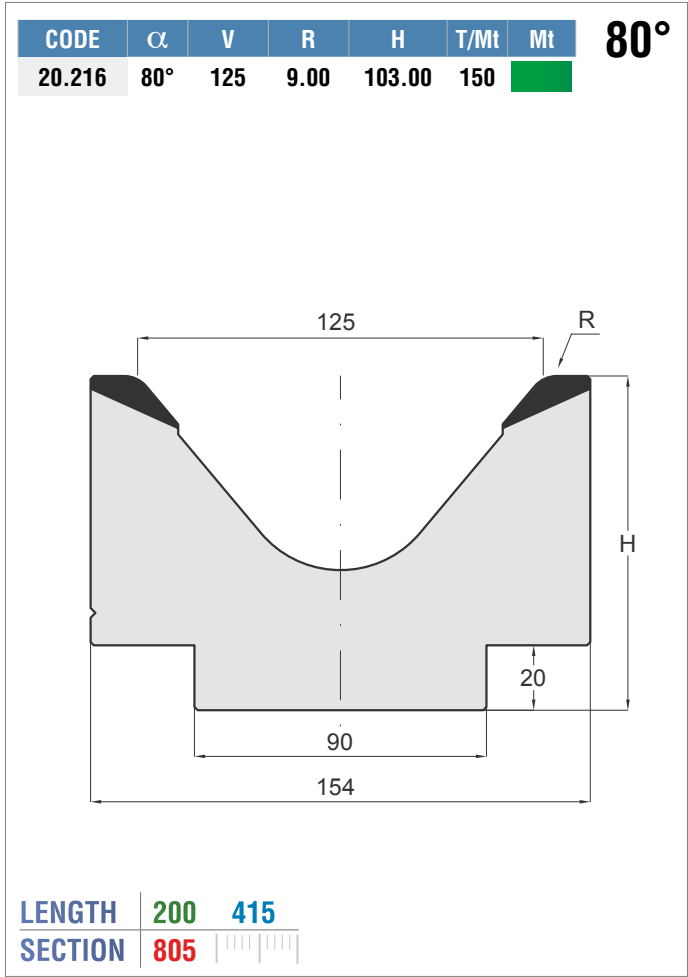
LENGTH 415 835  
SECTION 805

| CODE   | $\alpha$ | V  | R    | H      | T/Mt | Mt |
|--------|----------|----|------|--------|------|----|
| 20.680 | 60°      | 80 | 6.00 | 115.00 | 100  |    |

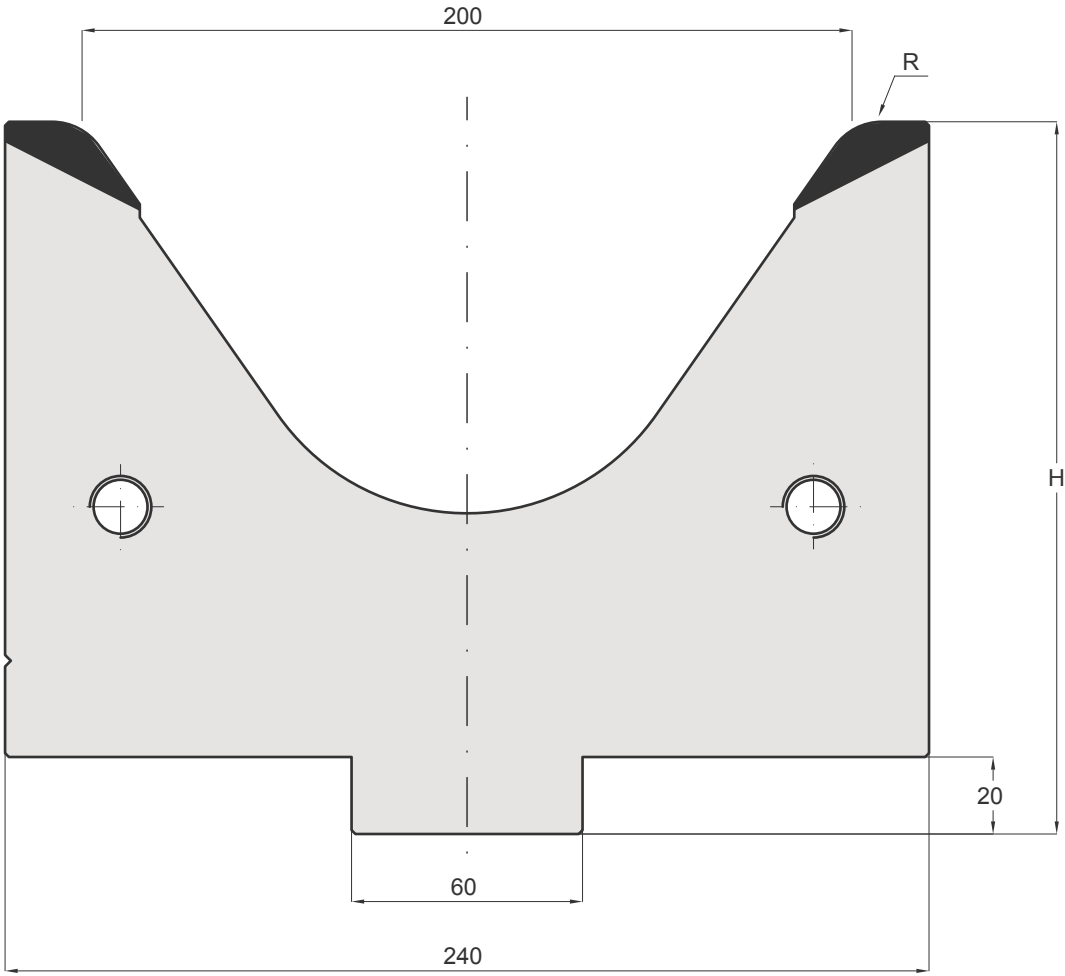
**60°**

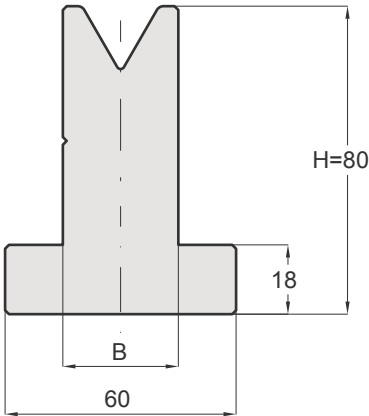
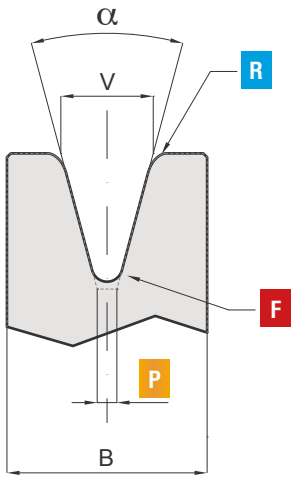
LENGTH 415 835  
SECTION 805





| CODE   | $\alpha$ | V   | R     | H      | T/Mt | Mt |
|--------|----------|-----|-------|--------|------|----|
| 21.200 | 70°      | 200 | 15.00 | 185.00 | 200  |    |





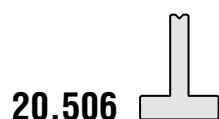
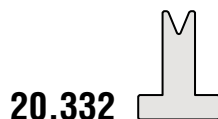
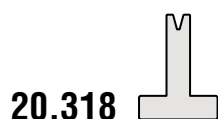
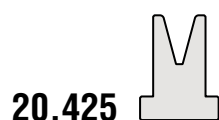
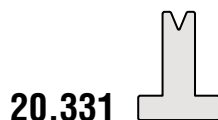
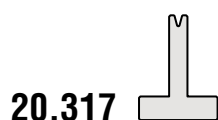
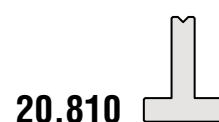
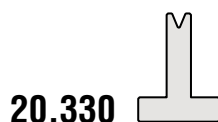
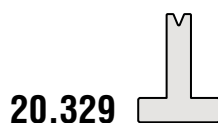
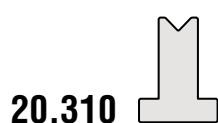
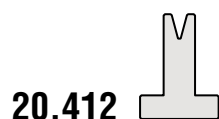
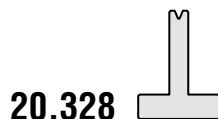
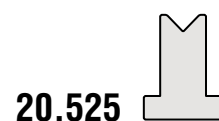
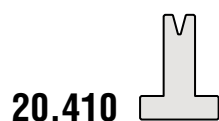
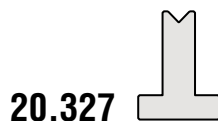
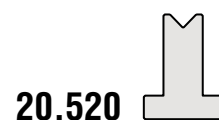
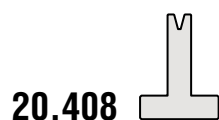
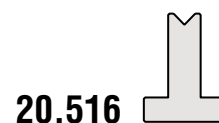
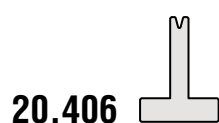
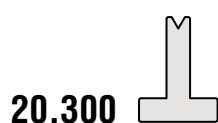
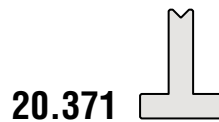
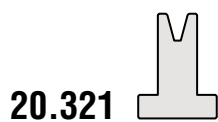
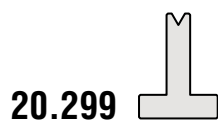
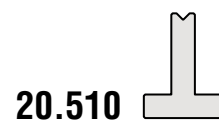
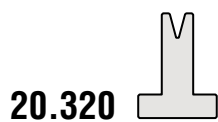
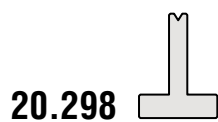
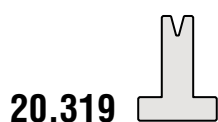
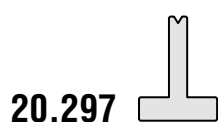
88°  
85°  
60°  
45°  
35°  
30°

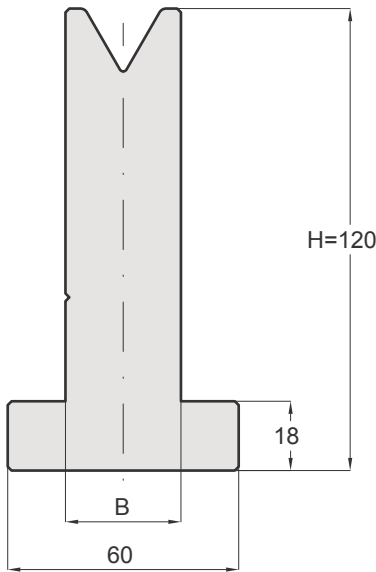
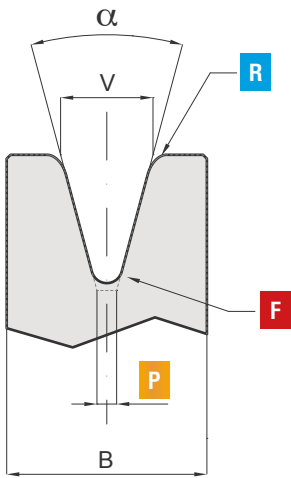
|   | LEGENDA         | LEGEND       | LEYENDA        | LEGENDA           | LÉGENDE        | LEGENDE         |
|---|-----------------|--------------|----------------|-------------------|----------------|-----------------|
| F | = FONDO MATRICE | = BOTTOM DIE | = FONDO MATRIZ | = FUNDO DA MATRIZ | = FOND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

|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | α   | V  | R    | H  | B  | F    | T/mt | Mt |
|--------|-----|----|------|----|----|------|------|----|
| 20.806 | 88° | 6  | 0.80 | 80 | 14 | R0.5 | 100  |    |
| 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 |
|--------|-----|----|------|----|----|------|------|----|
| 20.330 | 45° | 10 | 1.00 | 80 | 18 | R0.8 | 50   |    |
| 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   |    |
| 20.322 | 30° | 20 | 2.50 | 80 | 35 | P5.0 | 50   |    |
| 20.323 | 30° | 25 | 3.00 | 80 | 40 | P5.0 | 50   |    |





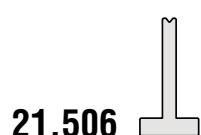
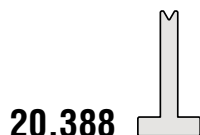
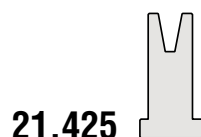
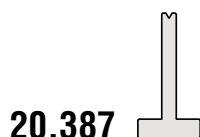
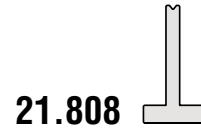
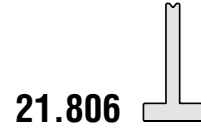
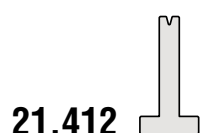
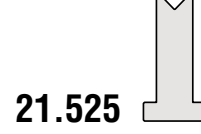
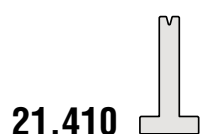
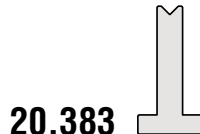
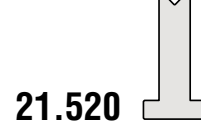
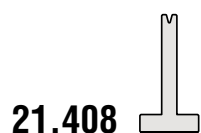
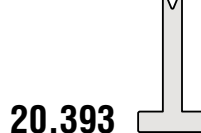
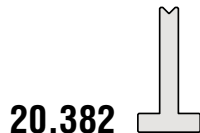
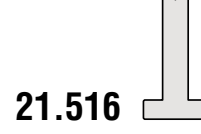
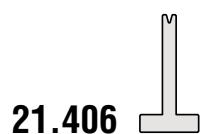
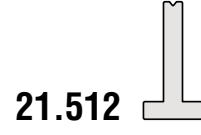
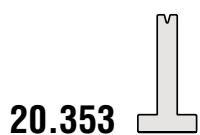
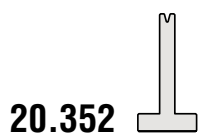
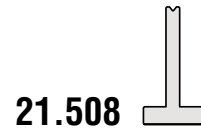
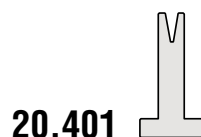
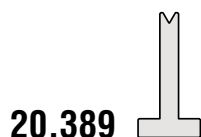
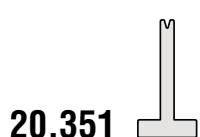
88°  
85°  
60°  
45°  
35°  
30°

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

|         |     |     |
|---------|-----|-----|
| LENGTH  | 415 | 835 |
| SECTION | 805 |     |

| CODE   | α   | V  | R    | H   | B  | F    | T/mt | Mt |
|--------|-----|----|------|-----|----|------|------|----|
| 21.806 | 88° | 6  | 0.80 | 120 | 14 | R0.5 | 100  |    |
| 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   |    |

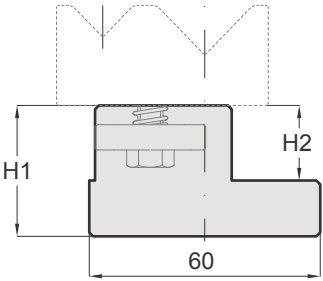
| CODE   | α   | V  | R    | H   | B  | F    | T/mt | Mt |
|--------|-----|----|------|-----|----|------|------|----|
| 20.395 | 45° | 10 | 1.00 | 120 | 18 | R0.8 | 50   |    |
| 20.396 | 45° | 12 | 1.50 | 120 | 24 | R0.8 | 50   |    |
| 20.397 | 45° | 16 | 2.00 | 120 | 24 | R1.5 | 50   |    |
| 20.398 | 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   |    |



SUPPORTI MATRICE - DIE HOLDERS

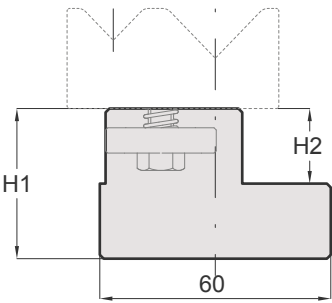
SUPPORTI - HOLDERS - SOPORTES - SUPORTE - SUPPORTS - HALTER

| CODE   | H1    | H2    | T/Mt | Mt |
|--------|-------|-------|------|----|
| 20.200 | 34.00 | 20.00 | 100  |    |



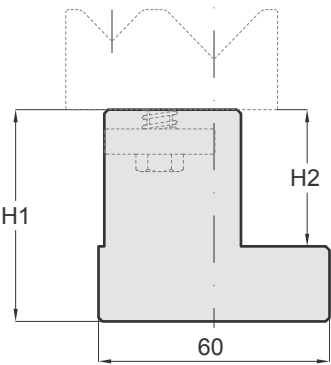
LENGTH 412 830

| CODE   | H1    | H2    | T/Mt | Mt |
|--------|-------|-------|------|----|
| 20.316 | 39.00 | 20.00 | 100  |    |



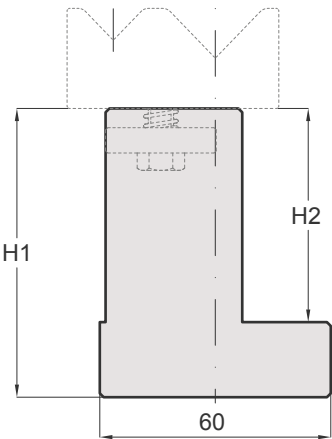
LENGTH 412 830

| CODE   | H1    | H2    | T/Mt | Mt |
|--------|-------|-------|------|----|
| 20.201 | 55.00 | 35.00 | 100  |    |



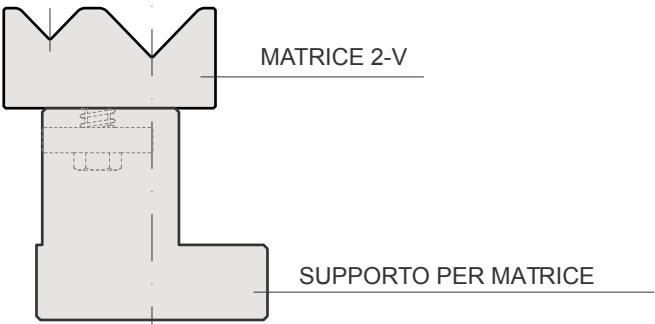
LENGTH 412 830

| 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)

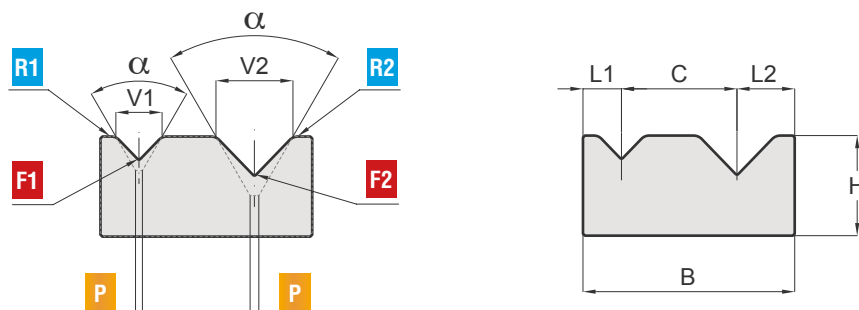
THE DIES ARE AVAILABLE IN THE FOLLOWING STANDARD LENGTHS: 415 mm - 835 mm (NOT SECTIONABLE)

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°

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

20.204



20.267



20.205



20.296



20.229



20.338



20.230



20.418



20.235



21.202



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

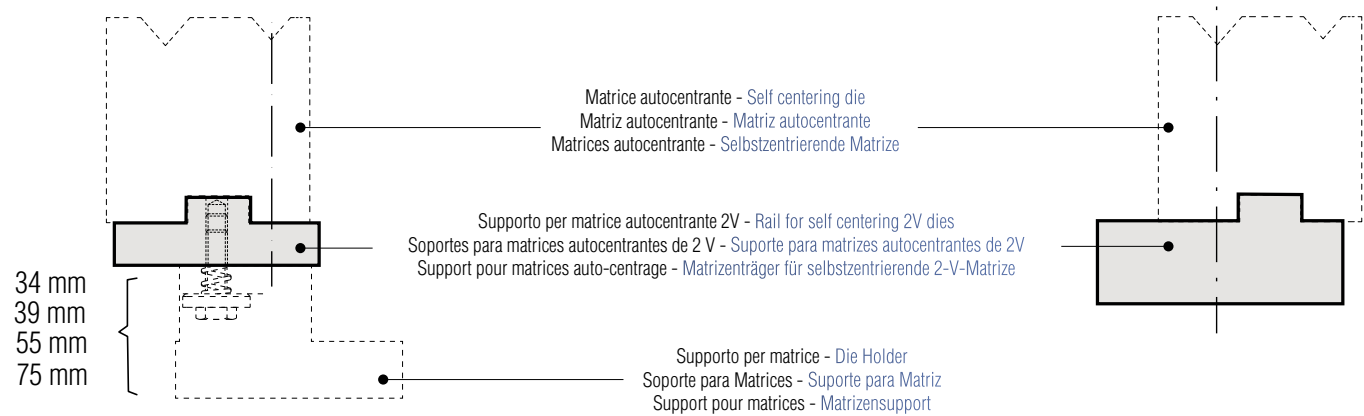
| CODE   | H1    | H2    | T/Mt | Mt |
|--------|-------|-------|------|----|
| 20.400 | 20.00 | 25.00 | 100  |    |

LENGTH 415 835

| CODE   | H1    | H2    | T/Mt | Mt |
|--------|-------|-------|------|----|
| 20.336 | 20.00 | 25.00 | 100  |    |

LENGTH 415 835

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)

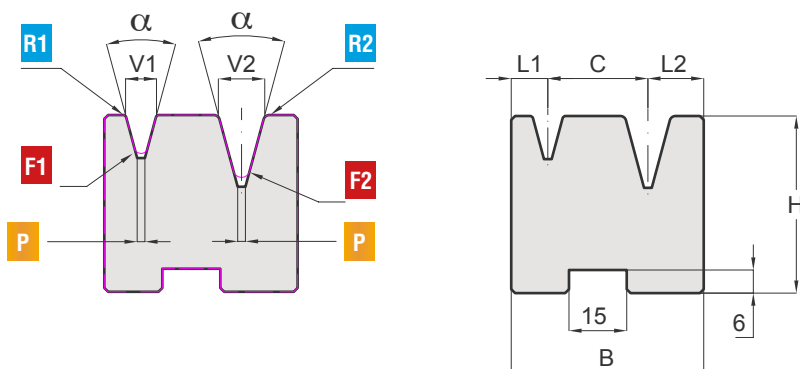
THE DIES ARE AVAILABLE IN THE FOLLOWING STANDARD LENGTHS: 415 mm - 835 mm AND SECTIONED (805 mm)

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 ERHÄLTICH: 415 mm - 835 mm UND SEKTIONIERT 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

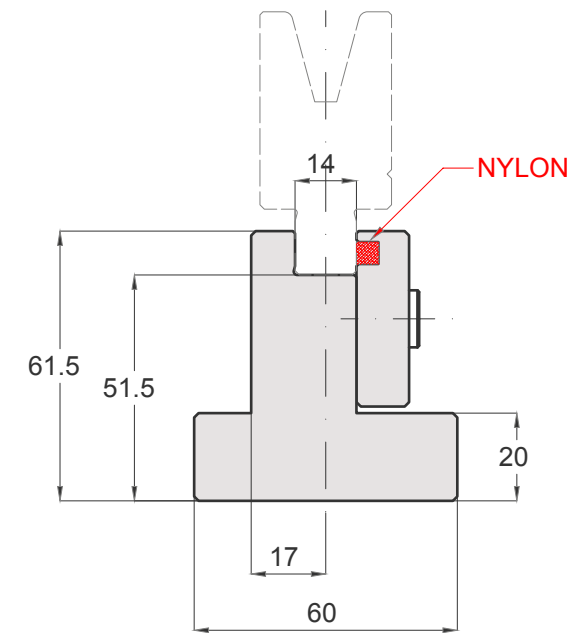


SUPPORTI MATRICE - DIE HOLDERS

SUPPORTI - HOLDERS - SOPORTES - SUPORTE - SUPPORTS - HALTER

| CODE   | Mt |
|--------|----|
| 22.010 |    |

BLOCCAGGIO STANDARD - 8 VITI  
NORMAL LOCKING - 8 SCREWS

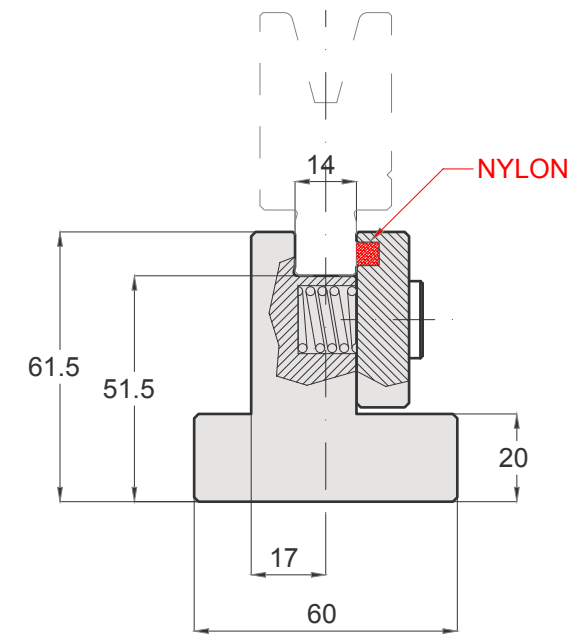


LENGTH 415 835



| 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)

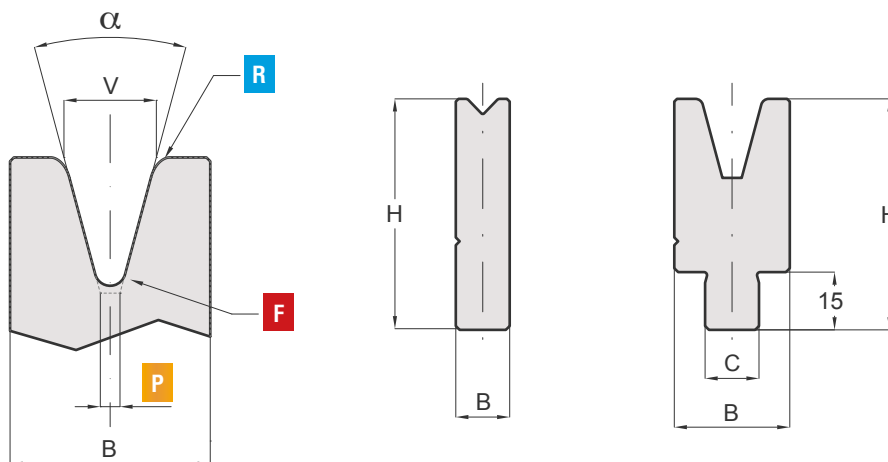
THE DIES ARE AVAILABLE IN THE FOLLOWING STANDARD LENGTHS: 415 mm - 835 mm AND SECTIONED (805 mm)

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 ERHÄLTICH: 415 mm - 835 mm UND SEKTIONIERT LÄNGE (805 mm)



88°  
84°  
60°  
45°  
30°

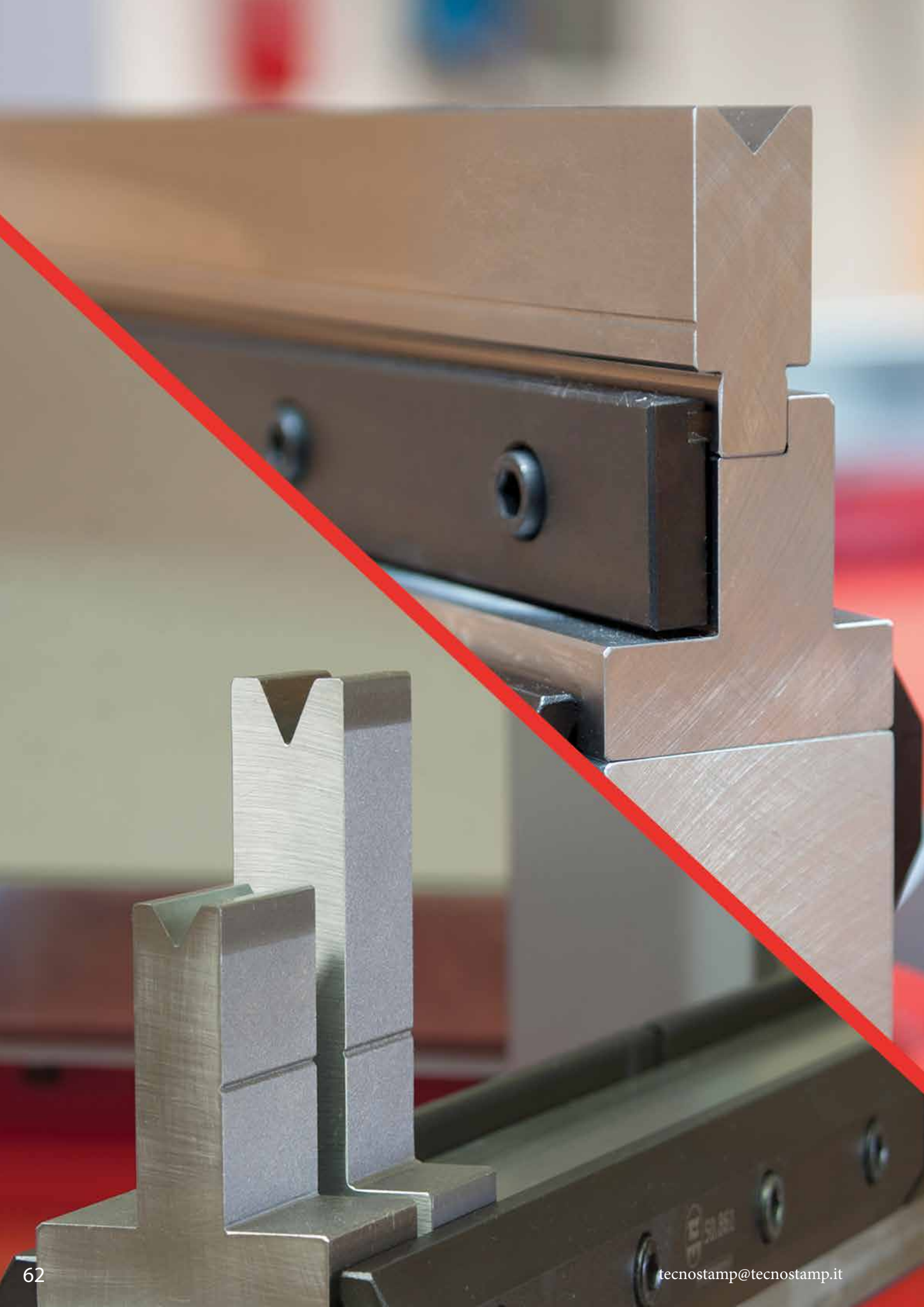
|          | LEGENDA         | LEGEND     | LEYENDA      | LEGENDA         | LÉGENDE      | LEGENDE       |
|----------|-----------------|------------|--------------|-----------------|--------------|---------------|
| <b>F</b> | = FONDO MATRICE | BOTTOM DIE | FONDO MATRIZ | FUNDO DA MATRIZ | FOND MATRICE | MATRIZENGRUND |
| <b>R</b> | = RAGGIO        | RADIUS     | RADIO        | RAIO            | RAYON        | RADIUS        |
| <b>P</b> | = 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

|        |  |        |  |        |  |        |  |        |  |        |  |
|--------|--|--------|--|--------|--|--------|--|--------|--|--------|--|
| 22.306 |  | 22.320 |  | 22.608 |  | 22.625 |  | 22.812 |  | 22.840 |  |
| 22.308 |  | 22.325 |  | 22.610 |  | 22.804 |  | 22.816 |  |        |  |
| 22.310 |  | 22.432 |  | 22.612 |  | 22.806 |  | 22.820 |  |        |  |
| 22.312 |  | 22.440 |  | 22.616 |  | 22.808 |  | 22.825 |  |        |  |
| 22.316 |  | 22.606 |  | 22.620 |  | 22.810 |  | 22.832 |  |        |  |



# PIEGASCHIACCIA HEMMING TOOLS



## RED LINE

### ***AMADA - PROMECAM STYLE***

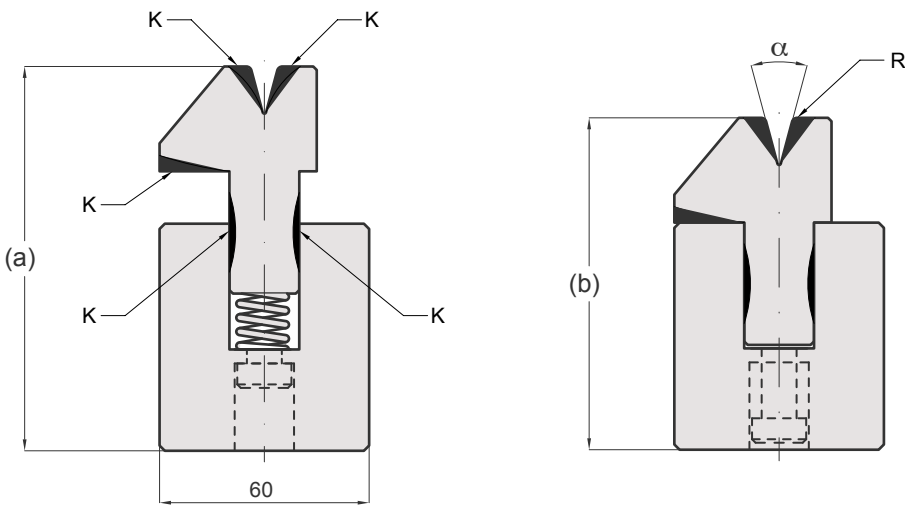
PIEGASCHIACCIA - HEMMING TOOLS

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 |



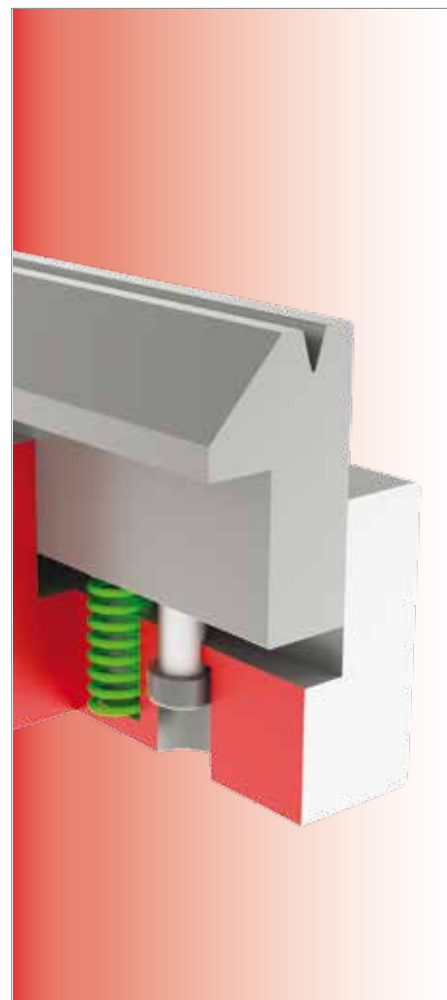
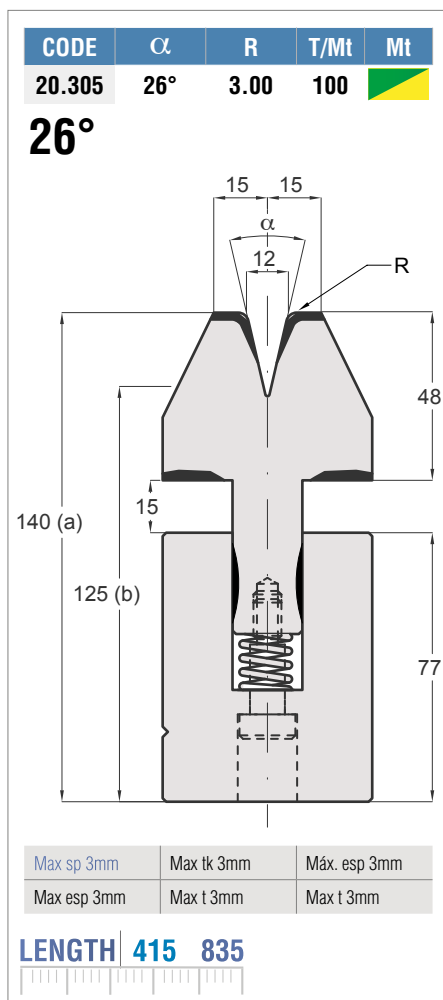
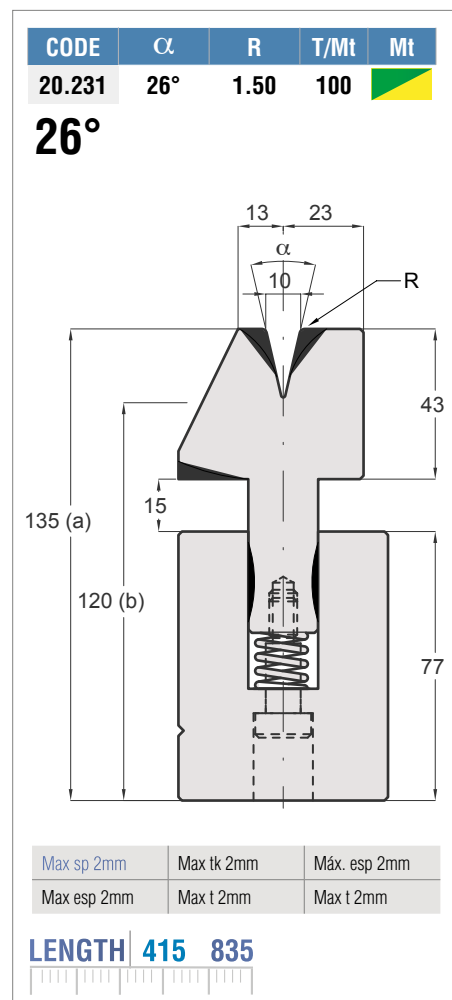
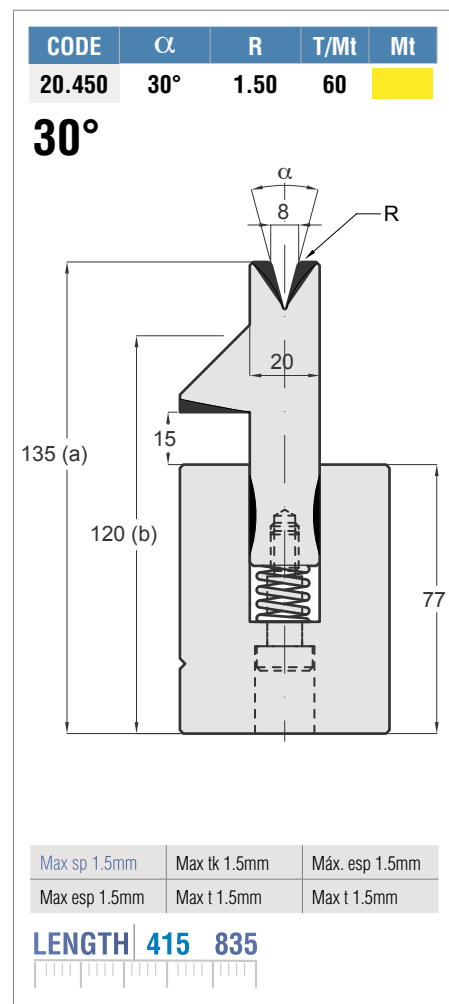
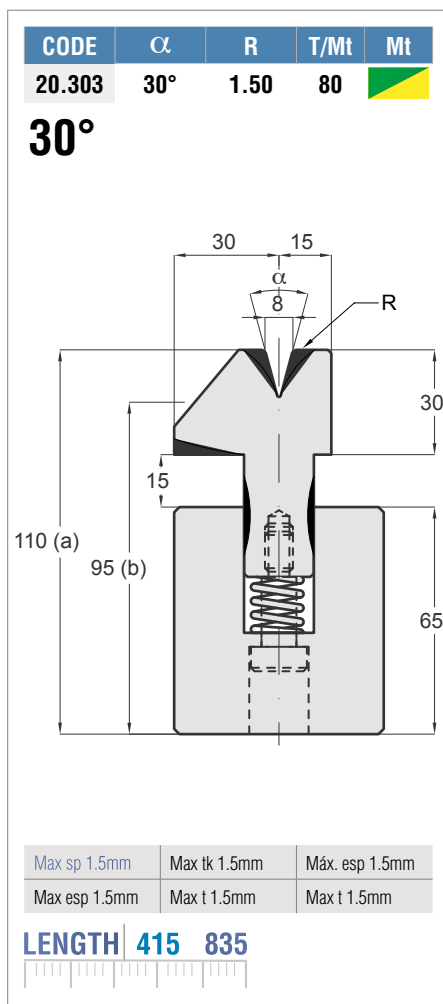
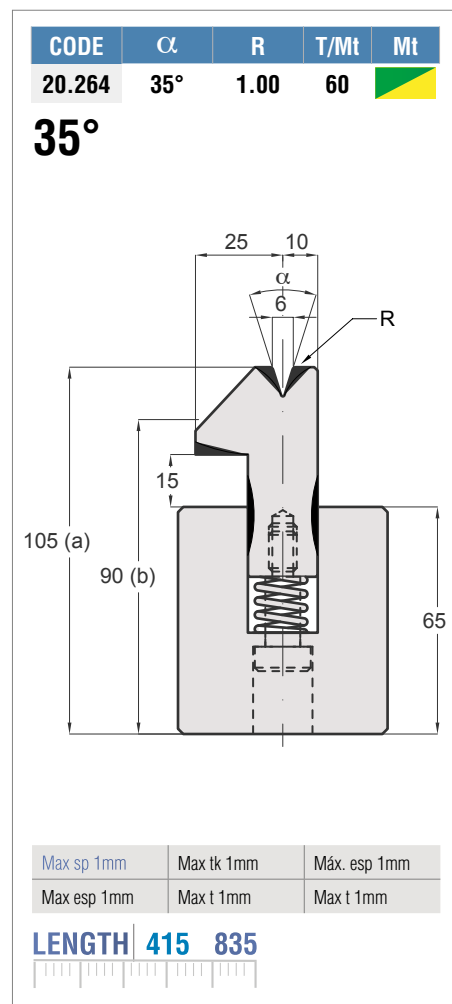
PARTI DI RICAMBIO - SPARE PARTS - RECAMBIOS - PEÇAS DE SUBSTITUIÇÃO - PIÈCES DE RECHANGE - ERSATZTEILE

CODE  
70.100



CODE  
70.102





# 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 anzichè 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

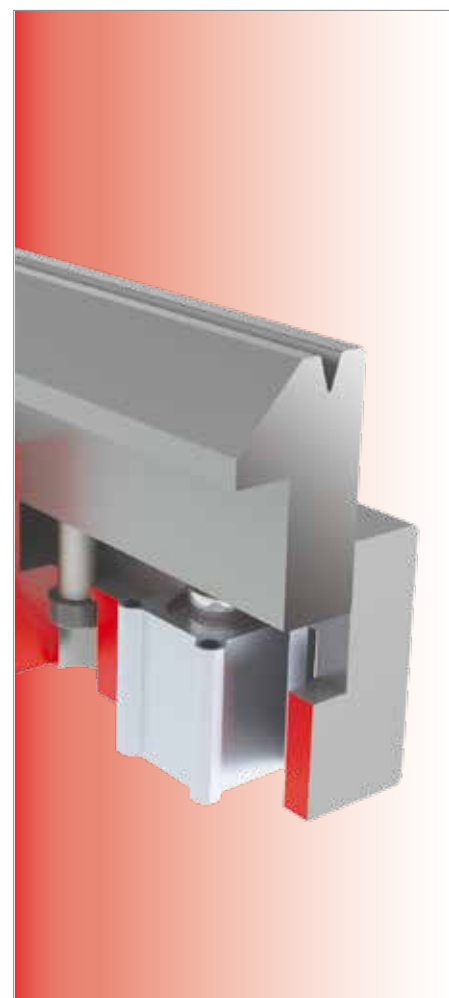
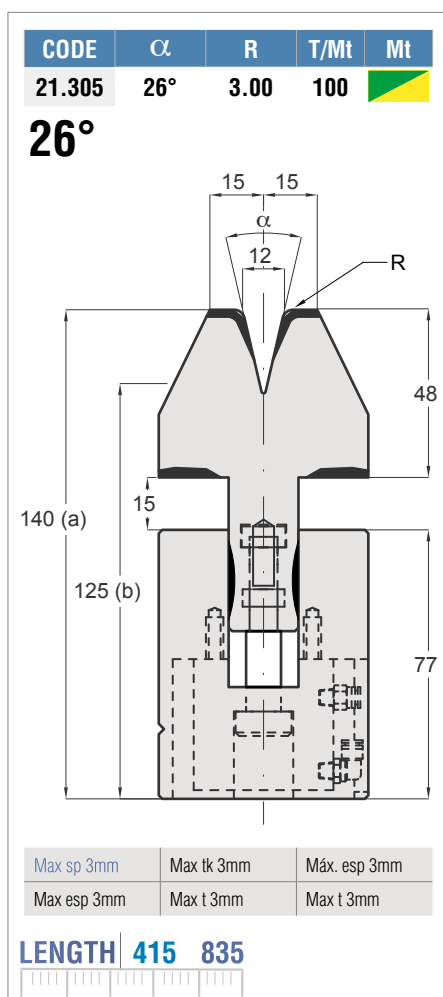
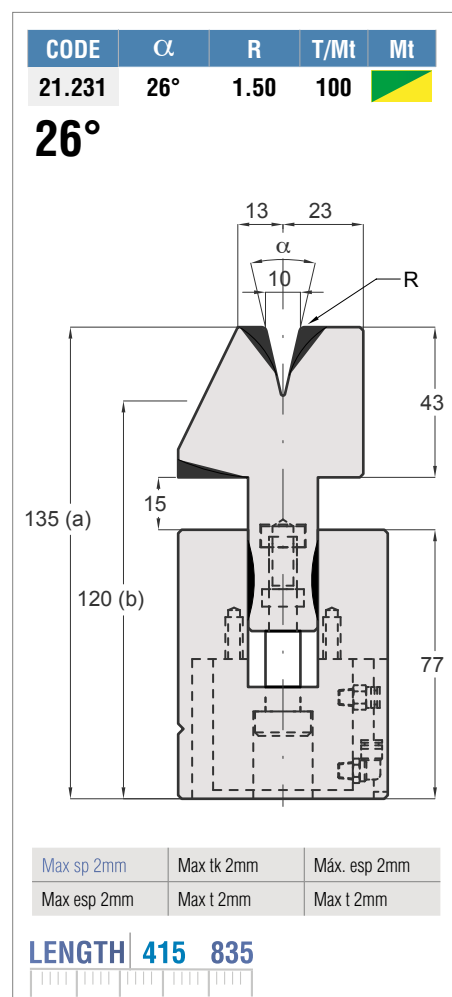
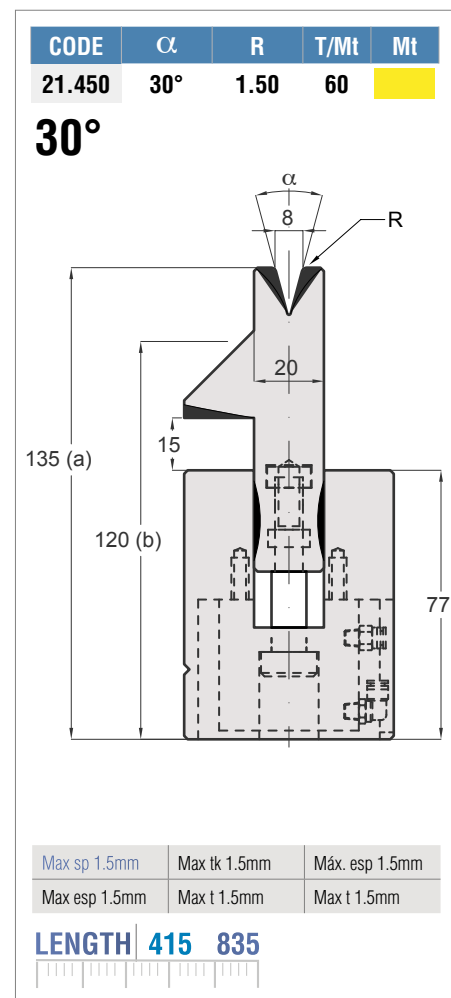
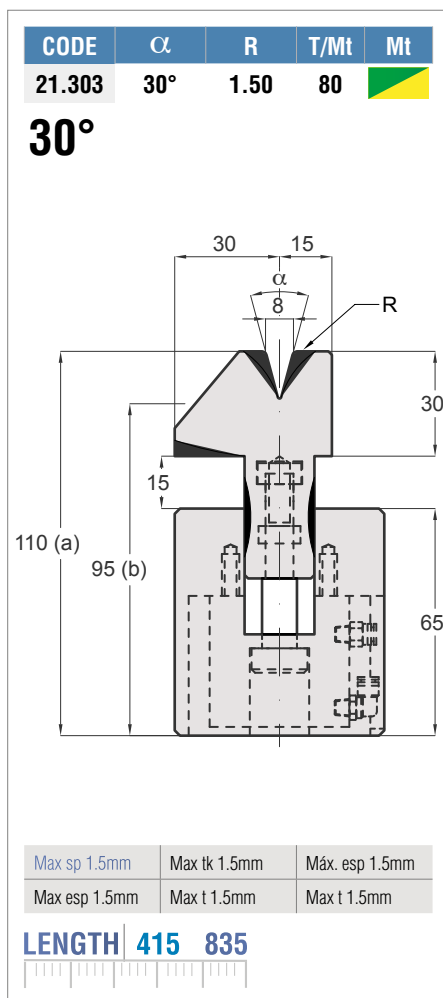
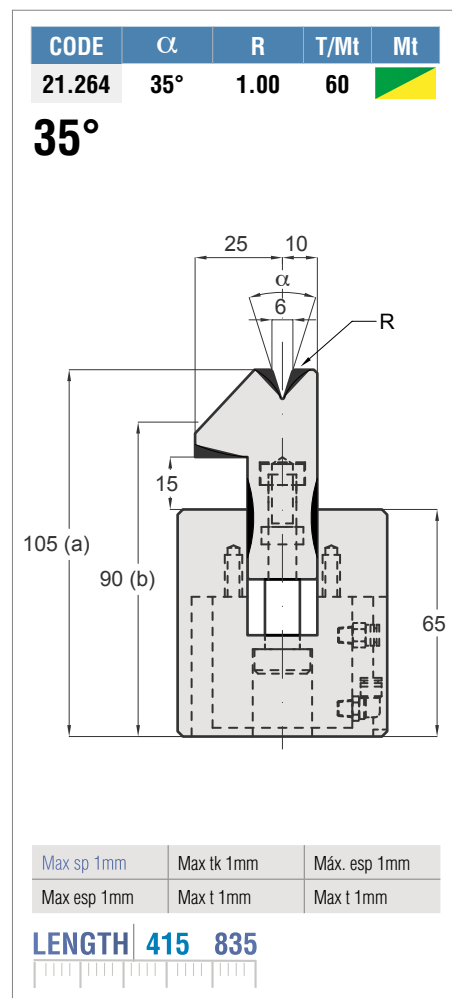


CODE  
70.123



CODE  
70.120





PIEGASCHIACCIA - HEMMING TOOLS

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

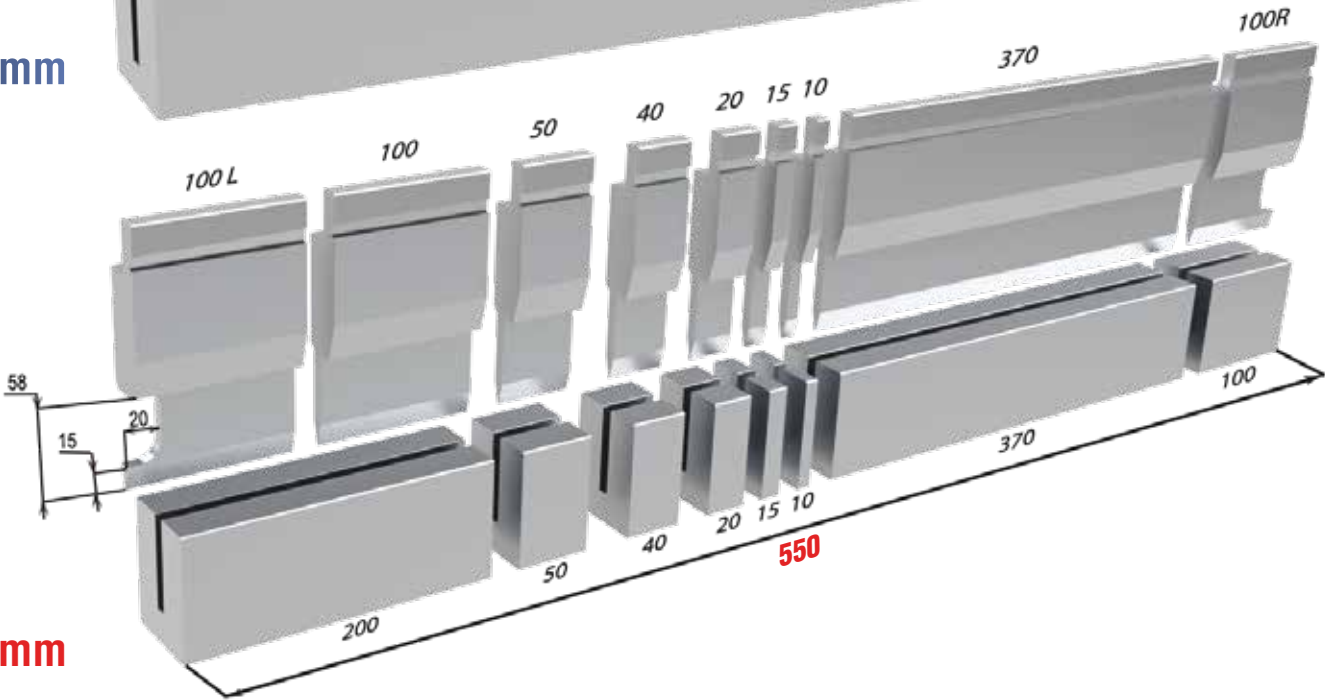
415 mm



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 REPRESÉNTÉ 30% DE LA FMAX DU POINÇON.  
DIE FMAX DER HORNSTUCKE 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

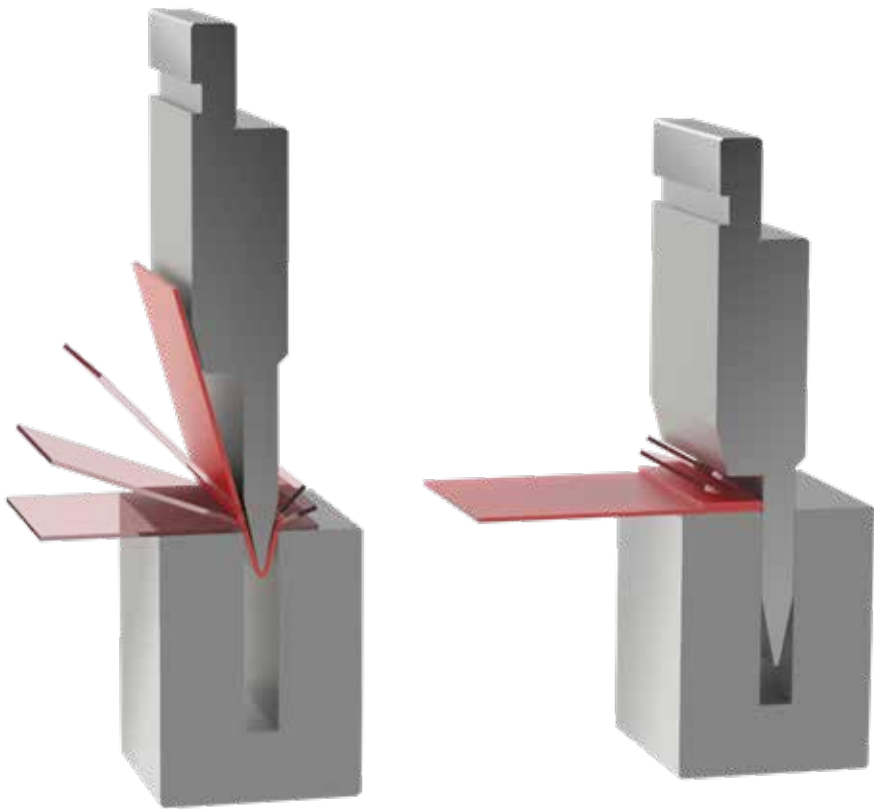
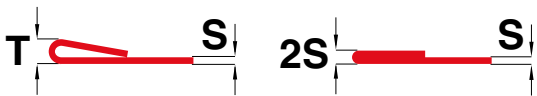


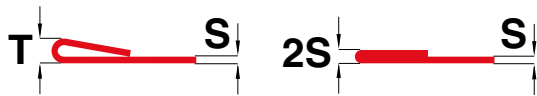
TABELLA DI PIEGATURA - BENDING CHART - TABLA DE PLEGADO - TABELA DE QUINAGEM/DOBRA - ABAQUE DE PLIAGE - PRESSKRAFTTABELLE

**MATERIAL ACC.R ~ 40 Kg/MM<sup>2</sup>**

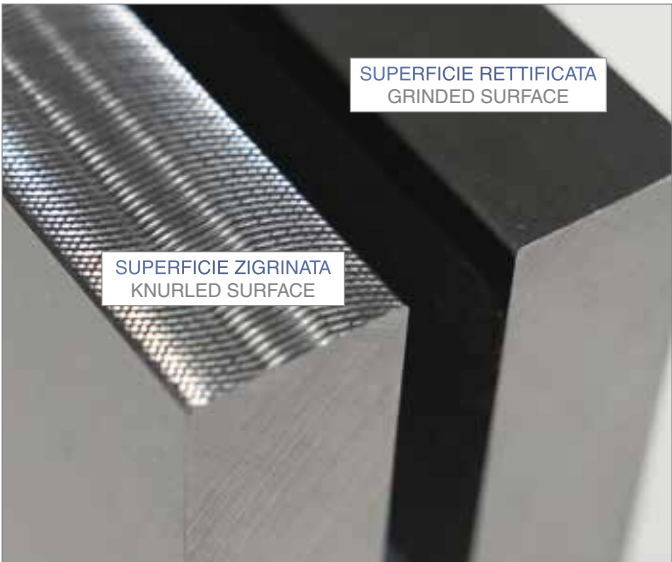


| MATERIAL ACC.R ~ 40 Kg/MM <sup>2</sup> |       |        |       |        |
|----------------------------------------|-------|--------|-------|--------|
| S (mm)                                 | (t/m) | T (mm) | (t/m) | 2S(mm) |
| 0,6                                    | 9     | 3      | 23    | 1,2    |
| 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/MM<sup>2</sup>**



| MATERIAL ACC.R ~ 70 Kg/MM <sup>2</sup> |       |        |       |        |
|----------------------------------------|-------|--------|-------|--------|
| 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   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.550 | 24°      | 0.60 | 128.00 | 80   |    |

LENGTH 415 835  
SECTION 805

| CODE   | $\alpha$ | R    | H      | T/Mt | Mt |
|--------|----------|------|--------|------|----|
| 11.554 | 24°      | 0.60 | 128.00 | 80   |    |

LENGTH 415 835  
SECTION 805

| CODE   | $\alpha$ | 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

| CODE   | α   | PAGE |
|--------|-----|------|
| 10.115 |     | 40   |
| 10.116 |     | 40   |
| 10.136 | 60° | 20   |
| 10.142 | 60° | 20   |
| 10.143 | 60° | 20   |
| 10.153 | 88° | 20   |
| 10.155 | 88° | 20   |
| 10.157 | 88° | 20   |
| 10.170 | 85° | 20   |
| 10.174 | 88° | 20   |
| 10.176 | 88° | 20   |
| 10.180 |     | 38   |
| 10.181 |     | 39   |
| 10.182 |     | 39   |
| 10.183 |     | 39   |
| 10.184 |     | 39   |
| 10.185 |     | 39   |
| 10.186 |     | 39   |
| 10.187 |     | 39   |
| 10.188 |     | 39   |
| 10.190 |     | 40   |
| 10.191 |     | 40   |
| 10.257 | 88° | 40   |
| 10.260 | 88° | 40   |
| 10.262 | 88° | 40   |
| 10.264 | 88° | 40   |
| 10.300 |     | 41   |
| 10.301 |     | 41   |
| 10.302 |     | 41   |
| 10.303 |     | 41   |
| 10.304 |     | 41   |
| 10.305 |     | 41   |
| 10.306 |     | 41   |
| 10.307 |     | 41   |
| 10.308 |     | 41   |
| 10.309 |     | 41   |
| 10.310 |     | 41   |
| 10.311 |     | 41   |
| 10.312 |     | 41   |
| 10.313 |     | 41   |
| 10.314 |     | 41   |
| 10.315 |     | 41   |
| 10.316 |     | 41   |
| 10.317 |     | 41   |
| 10.318 |     | 41   |
| 10.319 |     | 41   |
| 10.320 |     | 41   |
| 10.321 |     | 41   |
| 10.322 |     | 41   |
| 10.323 |     | 41   |
| 10.324 |     | 41   |
| 10.325 |     | 41   |

| CODE   | α   | PAGE |
|--------|-----|------|
| 10.400 |     | 32   |
| 10.500 | 60° | 32   |
| 10.502 | 88° | 32   |
| 10.504 | 88° | 32   |
| 10.505 | 88° | 14   |
| 10.506 | 60° | 14   |
| 10.510 | 60° | 19   |
| 10.511 | 30° | 22   |
| 10.512 | 88° | 14   |
| 10.514 | 30° | 21   |
| 10.515 | 30° | 23   |
| 10.516 | 60° | 23   |
| 10.517 | 60° | 23   |
| 10.520 | 60° | 19   |
| 10.626 | 85° | 19   |
| 10.672 | 85° | 19   |
| 11.101 | 88° | 19   |
| 11.102 | 45° | 21   |
| 11.103 | 35° | 21   |
| 11.104 | 35° | 21   |
| 11.106 | 88° | 21   |
| 11.108 | 88° | 21   |
| 11.134 | 45° | 21   |
| 11.145 | 88° | 21   |
| 11.146 | 88° | 21   |
| 11.147 | 88° | 21   |
| 11.148 | 88° | 13   |
| 11.149 | 88° | 13   |
| 11.151 | 85° | 13   |
| 11.158 | 30° | 22   |
| 11.200 | 85° | 22   |
| 11.201 | 85° | 22   |
| 11.228 | 88° | 22   |
| 11.230 | 85° | 22   |
| 11.231 | 85° | 22   |
| 11.232 | 85° | 22   |
| 11.233 | 88° | 15   |
| 11.235 | 88° | 13   |
| 11.240 | 88° | 15   |
| 11.257 | 88° | 15   |
| 11.258 | 30° | 22   |
| 11.260 | 88° | 11   |
| 11.270 | 85° | 11   |
| 11.275 | 75° | 10   |
| 11.280 | 30° | 23   |
| 11.300 |     | 41   |
| 11.301 |     | 41   |
| 11.302 |     | 41   |
| 11.303 |     | 41   |
| 11.304 |     | 41   |
| 11.305 |     | 41   |
| 11.306 |     | 41   |

| CODE   | α   | PAGE |
|--------|-----|------|
| 11.307 |     | 41   |
| 11.308 |     | 41   |
| 11.309 |     | 41   |
| 11.310 |     | 41   |
| 11.311 |     | 41   |
| 11.312 |     | 41   |
| 11.313 |     | 41   |
| 11.314 |     | 41   |
| 11.315 |     | 41   |
| 11.316 |     | 41   |
| 11.317 |     | 41   |
| 11.318 |     | 41   |
| 11.319 |     | 41   |
| 11.320 |     | 41   |
| 11.321 |     | 41   |
| 11.322 |     | 41   |
| 11.323 |     | 41   |
| 11.324 |     | 41   |
| 11.514 | 30° | 21   |
| 11.528 | 30° | 22   |
| 11.530 | 30° | 22   |
| 11.540 | 26° | 26   |
| 11.550 | 24° | 70   |
| 11.554 | 24° | 70   |
| 11.560 | 24° | 70   |
| 11.600 | 35° | 21   |
| 11.650 | 85° | 21   |
| 11.660 | 85° | 21   |
| 11.670 | 85° | 13   |
| 11.680 | 85° | 15   |
| 11.710 | 60° | 20   |
| 11.720 | 60° | 20   |
| 11.750 | 60° | 19   |
| 11.780 | 30° | 26   |
| 11.800 | 85° | 17   |
| 11.810 | 30° | 24   |
| 11.820 | 85° | 14   |
| 11.830 | 88° | 14   |
| 11.835 | 85° | 14   |
| 11.840 | 85° | 16   |
| 11.848 | 85° | 13   |
| 11.849 | 85° | 13   |
| 11.850 | 85° | 16   |
| 11.853 | 85° | 16   |
| 11.855 | 85° | 16   |
| 11.857 | 85° | 16   |
| 11.858 | 88° | 16   |
| 11.861 | 85° | 16   |
| 11.863 | 85° | 16   |
| 11.864 | 85° | 16   |
| 11.865 | 85° | 16   |
| 11.866 | 85° | 16   |

| CODE   | α   | PAGE |
|--------|-----|------|
| 11.867 | 85° | 16   |
| 11.868 | 85° | 16   |
| 11.869 | 85° | 15   |
| 11.870 | 88° | 15   |
| 11.880 | 30° | 23   |
| 11.904 | 30° | 25   |
| 11.911 | 30° | 25   |
| 11.914 | 30° | 25   |
| 11.916 | 30° | 25   |
| 15.761 | 28° | 33   |
| 15.763 | 28° | 33   |
| 15.765 | 28° | 33   |
| 15.766 | 28° | 33   |
| 15.767 | 28° | 33   |
| 15.768 | 28° | 33   |
| 15.769 | 28° | 33   |
| 15.774 | 84° | 33   |
| 15.776 | 86° | 33   |
| 20.200 |     | 56   |
| 20.201 |     | 56   |
| 20.204 | 88° | 57   |
| 20.205 | 88° | 57   |
| 20.210 | 85° | 47   |
| 20.211 | 85° | 47   |
| 20.212 | 85° | 47   |
| 20.213 | 85° | 48   |
| 20.214 | 85° | 48   |
| 20.215 | 85° | 49   |
| 20.216 | 80° | 50   |
| 20.217 | 80° | 50   |
| 20.229 | 60° | 57   |
| 20.230 | 60° | 57   |
| 20.231 | 26° | 57   |
| 20.235 | 60° | 57   |
| 20.264 | 35° | 57   |
| 20.267 | 60° | 57   |
| 20.278 | 88° | 59   |
| 20.279 | 88° | 59   |
| 20.280 | 88° | 59   |
| 20.287 |     | 58   |
| 20.296 | 88° | 57   |
| 20.297 | 60° | 52   |
| 20.298 | 60° | 52   |
| 20.299 | 60° | 52   |
| 20.300 | 60° | 52   |
| 20.301 | 60° | 52   |
| 20.303 | 30° | 52   |
| 20.305 | 26° | 52   |
| 20.306 |     | 56   |
| 20.308 | 60° | 52   |
| 20.309 | 88° | 52   |

| CODE   | α   | PAGE |
|--------|-----|------|
| 20.310 | 88° | 52   |
| 20.311 | 60° | 52   |
| 20.316 |     | 56   |
| 20.317 | 30° | 52   |
| 20.318 | 30° | 52   |
| 20.319 | 30° | 52   |
| 20.320 | 30° | 52   |
| 20.321 | 30° | 52   |
| 20.322 | 30° | 52   |
| 20.323 | 30° | 52   |
| 20.325 | 30° | 47   |
| 20.327 | 88° | 52   |
| 20.328 | 45° | 52   |
| 20.329 | 45° | 52   |
| 20.330 | 45° | 52   |
| 20.331 | 45° | 52   |
| 20.332 | 45° | 52   |
| 20.333 | 45° | 52   |
| 20.334 | 45° | 52   |
| 20.336 |     | 58   |
| 20.338 | 88° | 57   |
| 20.339 | 88° | 59   |
| 20.344 | 85° | 59   |
| 20.345 | 85° | 59   |
| 20.346 | 85° | 59   |
| 20.347 | 85° | 59   |
| 20.348 | 85° | 59   |
| 20.349 | 85° | 59   |
| 20.350 | 60° | 46   |
| 20.351 | 30° | 54   |
| 20.352 | 30° | 54   |
| 20.353 | 30° | 54   |
| 20.354 | 30° | 54   |
| 20.370 | 60° | 48   |
| 20.371 | 88° | 52   |
| 20.380 | 45° | 49   |
| 20.382 | 88° | 54   |
| 20.383 | 88° | 54   |
| 20.384 | 88° | 54   |
| 20.385 | 88° | 54   |
| 20.386 | 60° | 54   |
| 20.387 | 60° | 54   |
| 20.388 | 60° | 54   |
| 20.389 | 60° | 54   |
| 20.390 | 60° | 54   |
| 20.391 | 60° | 54   |
| 20.392 | 60° | 54   |
| 20.393 | 45° | 54   |
| 20.394 | 45° | 54   |
| 20.395 | 45° | 54   |
| 20.396 | 45° | 54   |
| 20.397 | 45° | 54   |

| CODE   | α   | PAGE |
|--------|-----|------|
| 20.398 | 45° | 54   |
| 20.399 | 45° | 54   |
| 20.400 |     | 58   |
| 20.401 | 30° | 54   |
| 20.402 | 30° | 54   |
| 20.403 | 30° | 54   |
| 20.406 | 35° | 52   |
| 20.408 | 35° | 52   |
| 20.410 | 35° | 52   |
| 20.412 | 35° | 52   |
| 20.416 | 35° | 52   |
| 20.418 | 30° | 57   |
| 20.420 | 35° | 52   |
| 20.425 | 35° | 52   |
| 20.438 | 30° | 59   |
| 20.440 | 45° | 48   |
| 20.450 | 30° | 48   |
| 20.478 | 30° | 59   |
| 20.484 | 45° | 47   |
| 20.494 | 30° | 47   |
| 20.506 | 85° | 52   |
| 20.508 | 85° | 52   |
| 20.510 | 85° | 52   |
| 20.512 | 85° | 52   |
| 20.516 | 85° | 52   |
| 20.520 | 85° | 52   |
| 20.525 | 85° | 52   |
| 20.550 |     | 70   |
| 20.554 |     | 70   |
| 20.560 |     | 70   |
| 20.610 | 60° | 49   |
| 20.650 | 60° | 48   |
| 20.680 | 60° | 48   |
| 20.806 | 88° | 52   |
| 20.808 | 88° | 52   |
| 20.810 | 88° | 52   |
| 20.820 | 85° | 46   |
| 20.830 | 30° | 46   |
| 21.125 | 80° | 50   |
| 21.160 | 80° | 50   |
| 21.200 | 70° | 51   |
| 21.202 | 88° | 57   |
| 21.207 | 85° | 46   |
| 21.209 |     | 46   |
| 21.231 | 26° | 46   |
| 21.264 | 35° | 46   |
| 21.275 | 88° | 59   |
| 21.276 | 88° | 59   |
| 21.303 | 30° | 59   |
| 21.305 | 26° | 59   |
| 21.406 | 35° | 54   |
| 21.408 | 35° | 54   |

| CODE   | α   | PAGE |
|--------|-----|------|
| 21.410 | 35° | 54   |
| 21.412 | 35° | 54   |
| 21.416 | 35° | 54   |
| 21.420 | 35° | 54   |
| 21.425 | 35° | 54   |
| 21.450 | 30° | 54   |
| 21.506 | 85° | 54   |
| 21.508 | 85° | 54   |
| 21.510 | 85° | 54   |
| 21.512 | 85° | 54   |
| 21.516 | 85° | 54   |
| 21.520 | 85° | 54   |
| 21.525 | 85° | 54   |
| 21.806 | 88° | 54   |
| 21.808 | 88° | 54   |
| 21.810 | 88° | 54   |
| 22.010 |     | 60   |
| 22.020 |     | 60   |
| 22.306 | 30° | 61   |
| 22.308 | 30° | 61   |
| 22.310 | 30° | 61   |
| 22.312 | 30° | 61   |
| 22.316 | 30° | 61   |
| 22.320 | 30° | 61   |
| 22.325 | 30° | 61   |
| 22.432 | 45° | 61   |
| 22.440 | 45° | 61   |
| 22.606 | 60° | 61   |
| 22.608 | 60° | 61   |
| 22.610 | 60° | 61   |
| 22.612 | 60° | 61   |
| 22.616 | 60° | 61   |
| 22.620 | 60° | 61   |
| 22.625 | 60° | 61   |
| 22.804 | 88° | 61   |
| 22.806 | 88° | 61   |
| 22.808 | 88° | 61   |
| 22.810 | 88° | 61   |
| 22.812 | 88° | 61   |
| 22.816 | 88° | 61   |
| 22.820 | 88° | 61   |
| 22.825 | 88° | 61   |
| 22.832 | 84° | 61   |
| 22.840 | 84° | 61   |
| 40.002 |     | 41   |
| 40.003 |     | 39   |
| 40.111 |     | 29   |
| 40.113 |     | 29   |
| 40.114 |     | 29   |
| 40.115 |     | 29   |
| 40.116 |     | 29   |
| 40.121 |     | 29   |

| CODE    | α    | PAGE |
|---------|------|------|
| 40.122  |      | 29   |
| 40.124  |      | 29   |
| 40.419  |      | 36   |
| 40.500  |      | 37   |
| 40.510  | 160° | 37   |
| 40.511  | 90°  | 37   |
| 40.515  | 160° | 37   |
| 40.516  | 90°  | 37   |
| 40.520  | 150° | 37   |
| 40.521  | 90°  | 37   |
| 40.525  | 140° | 37   |
| 40.526  | 90°  | 37   |
| 40.530  | 90°  | 37   |
| 40.535  | 90°  | 37   |
| 40.540  | 90°  | 37   |
| 40.545  | 90°  | 37   |
| 40.550  | 90°  | 37   |
| 40.555  | 90°  | 37   |
| 40.560  | 90°  | 37   |
| 40.565  | 90°  | 37   |
| 40.570  | 90°  | 37   |
| 40.575  | 90°  | 37   |
| 40.580  | 90°  | 37   |
| 40.585  | 90°  | 37   |
| 40.590  | 90°  | 37   |
| 40.610  | 90°  | 37   |
| 40.611  | 90°  | 37   |
| 40.612  | 90°  | 37   |
| 40.613  | 90°  | 37   |
| 40.614  | 90°  | 37   |
| 40.615  | 90°  | 37   |
| 40.670  | 88°  | 28   |
| 40.680  | 85°  | 28   |
| 50.720  |      | 28   |
| 70.100  |      | 28   |
| 70.102  |      | 28   |
| 70.120  |      | 28   |
| 70.121  |      | 28   |
| 70.123  |      | 28   |
| 70.500  |      | 28   |
| 70.501  |      | 28   |
| 70.502  |      | 28   |
| 70.504  |      | 28   |
| 70.600  |      | 28   |
| 70.946  |      | 28   |
| 70.948  |      | 28   |
| 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



**SCARICA LA NOSTRA APP PER IOS O ANDROID  
DOWNLOAD OUR APP FOR IOS OR ANDROID**



# ***TecnosTamp***



Via Vittime della Pertite, 71  
29121 Piacenza ITALIA  
Tel +39 0523 499712 - Fax +39 0523 497020  
[www.tecnostamp.eu](http://www.tecnostamp.eu) - [tecnostamp@tecnostamp.it](mailto:tecnostamp@tecnostamp.it)