

# PRESS BRAKE TOOLING AND EQUIPMENT

UTENSILI E ATTREZZATURE  
PER PRESSE PIEGATRICI



VERSIONE 05 - VERSION 05



**EUROSTAMP TOOLING**  
the Italian excellence



# EUROSTAMP TOOLING

the Italian excellence

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**Eurostamp Tooling significa qualità,  
competenza e precisione.**

Dal 1970 produciamo utensili e attrezzature per la piegatura straordinariamente precisi, offrendo soluzioni di estrema qualità per tutti quei clienti che richiedono costantemente massimi livelli di performance e affidabilità.

***Eurostamp Tooling means quality,  
competence, accuracy.***

*Since 1970 we have been manufacturing outstandingly accurate tooling and providing top quality solutions to all those customers who require the highest levels of performance and reliability.*

Eurostamp Tooling,  
the Italian Excellence

Dal 1970 siamo orgogliosi di produrre e commercializzare utensili e attrezzature per la piegatura altamente performanti, affidabili e caratterizzati dai più elevati standard di qualità. Il nostro parco macchine utensili a elevata tecnologia e il magazzino con ampia disponibilità ci permettono di soddisfare ogni esigenza e richiesta speciale.

I nostri utensili sono realizzati con acciai al carbonio e acciai speciali di provenienza italiana, con tempra a induzione sulle parti usurabili che ne garantisce una durezza di 55-60 HRC.

Offriamo un'ampia gamma di accessori per presse piegatrici: adattatori inferiori e superiori, sistemi di bloccaggio manuali e pneumatici.

Il nostro ufficio tecnico interno, inoltre, è in grado di studiare i progetti di piegatura personalizzati in modo tempestivo e accurato.

## CHI SIAMO

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*Our company was born in 1970 and, since then, we have been proudly producing and marketing high performing and reliable press brake tooling distinguished by the highest quality standards. Our production department equipped with high-tech machine tools, complimented by our wide range inventory, allows us to meet our customer needs and expectations for standard and special tool requirements.*

*Our tooling is produced by using medium carbon steel C45, both raw and tempered, and Italian high-quality chrome molybdenum steel.*

*All our tooling is then hardened by induction (HRC 55-60) up to 3mm depth from the working surface. In addition to providing high quality Press Brake Tooling, we also provide a large range of accessories for press brakes: lower and upper adaptors, manual or pneumatic clamping systems and more.*

*Our in-house technical department have the knowledge, experience, and expertise to develop fully tailored bending projects in a timely and accurate manner.*

## WHO WE ARE



**EUROSTAMP** TOOLING  
the Italian excellence

# LA NOSTRA FILOSOFIA

Eurostamp Tooling è un'azienda con cuore italiano e anima internazionale; abbiamo deciso di concentrarci e specializzarci esclusivamente nella produzione e sviluppo degli utensili di piegatura, settore in cui abbiamo sviluppato la più alta tecnologia applicata a ciascuno dei processi interni.

Il nostro reparto produttivo pone la massima attenzione alla cura dei dettagli, alla precisione e all'accurato controllo della qualità con una ispirazione artigianale: selezioniamo i migliori fornitori italiani di materia prima, Dal 1970 siamo orgogliosi di produrre e commercializzare. Poniamo una fortissima attenzione alla formazione dello staff tecnico e produttivo ed investiamo costantemente in ricerca e sviluppo perché crediamo fortemente che il modo migliore per soddisfare i nostri clienti sia il superamento delle loro aspettative con soluzioni innovative e un supporto pre e post vendita di elevato livello. Il team commerciale lavora quotidianamente a fianco dello staff tecnico e produttivo per diffondere ovunque la nostra filosofia di marchio.

# OUR PHILOSOPHY

*Eurostamp tooling is an Italian company with an international "soul". Since the beginning we chose to focus all of our attention only on the engineering and manufacturing of press brake tooling, so we invested our resources on the state-of-art technologies applied to each of our internal processes.*

*Our production department takes great care to every detail, to the highest precision and to the accurate quality control. We are cooperating with the best raw material suppliers among the Italian market and we are constantly investing in new production technologies. Our finished product is then stocked in our wide and organized warehouse, ready for being handled by our skilled logistic resources. We put the highest care to the training of our production and engineering staff and to our policy of research and development because we are aware that this is the best way for overcoming our customer expectations with innovative solutions and with the highest level of pre- and post-sales support. Our sales staff is working daily beside our production and our engineering departments with the mission to spread worldwide our brand philosophy.*



## LE COMPETENZE

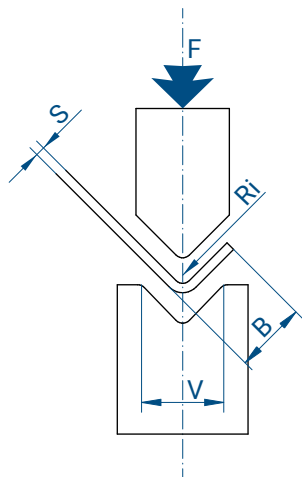
Gli specialisti che compongono il nostro staff controllano ogni fase produttiva, dalla scelta delle leghe e degli acciai grezzi, alle procedure di fresatura, tempra e rettifica di ogni pezzo. Usiamo acciaio al 100% italiano per garantire massima precisione e caratteristiche meccaniche ad alto standard qualitativo.

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*Our specialized staff takes care of each production phase, from choosing the best kind of steel to the procedures for machining, hardening and grinding each product with the best results. We are utilizing only 100% Italian source steel for granting always the conformity to the most severe standards specifications.*

## OUR COMPETENCES

## CALCOLO DELLA FORZA DI PIEGA IN ARIA AIR BENDING FORCE CALCULATION

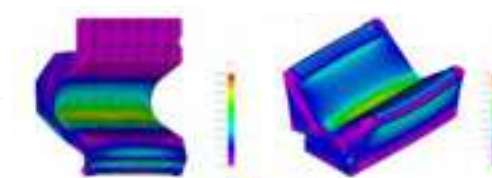


|          |                                                     |           |                                                                               |
|----------|-----------------------------------------------------|-----------|-------------------------------------------------------------------------------|
| <b>S</b> | Spessore lamiera - mm<br>Sheet metal thickness - mm | <b>Ri</b> | Raggio interno<br>Inside radius                                               |
| <b>V</b> | Larghezza del V<br>V-opening                        | <b>R</b>  | Alluminio 20-25 kg/mm <sup>2</sup><br>Aluminium 20-25 kg/mm <sup>2</sup>      |
| <b>F</b> | Forza in T/m<br>Force in T/m                        | <b>R</b>  | Acciaio dolce 40-45 kg/mm <sup>2</sup><br>Mild steel 40-45 kg/mm <sup>2</sup> |
| <b>B</b> | Bordo minimo<br>Shortest edge                       | <b>R</b>  | Inox 65-70 kg/mm <sup>2</sup><br>Stainless steel 65-70 kg/mm <sup>2</sup>     |

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

## RELAZIONE TRA SPESSORE LAMIERA E LARGHEZZA V SHEET METAL THICKNESS / V-SHAPE WIDTH RATIO

|          |                                                     |         |     |      |                        |
|----------|-----------------------------------------------------|---------|-----|------|------------------------|
| <b>S</b> | Spessore lamiera - mm<br>Sheet metal thickness - mm | 0,5-2,5 | 3-8 | 9-10 | 12 o più<br>12 or more |
| <b>V</b> | Larghezza del V<br>"V" width                        | 6 S     | 8 S | 10 S | 12 S                   |



### TABELLA DI PIEGATURA IN ARIA - ACCIAIO DOLCE AIR BENDING TABLE - MILD STEEL

| S   |      | mm  | 0,5 | 0,6 | 0,8 | 1 | 1,2 | 1,5 | 2  | 2,5 | 3  | 4  | 4,5 | 5  | 6  | 8  | 10  | 12 | 15  | 20  | 25  | 30  |     |
|-----|------|-----|-----|-----|-----|---|-----|-----|----|-----|----|----|-----|----|----|----|-----|----|-----|-----|-----|-----|-----|
| 6   | 4    | 1   |     | 3   | 4   | 7 | 11  |     |    |     |    |    |     |    |    |    |     |    |     |     |     |     |     |
| 8   | 5,5  | 1,3 |     |     | 4   | 5 | 8   | 12  | 20 |     |    |    |     |    |    |    |     |    |     |     |     |     |     |
| 10  | 7    | 1,6 |     |     |     | 4 | 7   | 10  | 17 |     |    |    |     |    |    |    |     |    |     |     |     |     |     |
| 12  | 8,5  | 2   |     |     |     |   | 6   | 8   | 15 | 22  |    |    |     |    |    |    |     |    |     |     |     |     |     |
| 14  | 10   | 2,3 |     |     |     |   |     | 7   | 13 | 19  |    |    |     |    |    |    |     |    |     |     |     |     |     |
| 16  | 11   | 2,6 |     |     |     |   |     | 6   | 11 | 17  | 28 |    |     |    |    |    |     |    |     |     |     |     |     |
| 18  | 13,5 | 3   |     |     |     |   |     |     | 10 | 15  | 25 | 34 |     |    |    |    |     |    |     |     |     |     |     |
| 20  | 14   | 3,3 |     |     |     |   |     |     | 9  | 13  | 22 | 30 |     |    |    |    |     |    |     |     |     |     |     |
| 25  | 17,5 | 4   |     |     |     |   |     |     |    | 11  | 18 | 24 | 43  |    |    |    |     |    |     |     |     |     |     |
| 32  | 22   | 5   |     |     |     |   |     |     |    |     | 14 | 19 | 34  | 44 | 52 |    |     |    |     |     |     |     |     |
| 40  | 28   | 6,5 |     |     |     |   |     |     |    |     |    | 15 | 27  | 34 | 42 | 60 | 107 |    |     |     |     |     |     |
| 50  | 35   | 8   |     |     |     |   |     |     |    |     |    |    | 21  | 27 | 33 | 48 | 85  |    |     |     |     |     |     |
| 63  | 45   | 10  |     |     |     |   |     |     |    |     |    |    |     | 17 | 21 | 26 | 38  | 68 | 105 |     |     |     |     |
| 80  | 55   | 13  |     |     |     |   |     |     |    |     |    |    |     |    | 21 | 30 | 53  | 85 | 120 |     |     |     |     |
| 100 | 71   | 16  |     |     |     |   |     |     |    |     |    |    |     |    |    | 24 | 43  | 67 | 96  | 150 |     |     |     |
| 125 | 89   | 20  |     |     |     |   |     |     |    |     |    |    |     |    |    |    | 53  | 78 | 120 | 215 |     |     |     |
| 160 | 113  | 26  |     |     |     |   |     |     |    |     |    |    |     |    |    |    |     | 42 | 60  | 95  | 170 |     |     |
| 200 | 140  | 33  |     |     |     |   |     |     |    |     |    |    |     |    |    |    |     |    |     | 55  | 75  | 135 | 210 |
| 250 | 175  | 41  |     |     |     |   |     |     |    |     |    |    |     |    |    |    |     |    |     |     | 108 | 170 | 240 |
| V   | B    | Ri  |     |     |     |   |     |     |    |     |    |    |     |    |    |    |     |    |     |     |     |     | F   |

l/m

t/m

### TABELLA DI PIEGATURA IN ARIA - ACCIAIO INOX AIR BENDING TABLE - STAINLESS STEEL

| S   | mm   | 0,5 | 0,6 | 0,8 | 0,9 | 1  | 1,2 | 1,5 | 2  | 2,5 | 3  | 4  | 5  | 6  | 8  | 10 | 12  | 15  | 20  | 25  | 30  |     |     |   |
|-----|------|-----|-----|-----|-----|----|-----|-----|----|-----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|---|
| 6   | 4    | 1   |     | 5   | 6   | 11 | 13  | 17  |    |     |    |    |    |    |    |    |     |     |     |     |     |     |     |   |
| 8   | 5,5  | 1,3 |     |     | 6   | 8  | 10  | 12  | 18 |     |    |    |    |    |    |    |     |     |     |     |     |     |     |   |
| 10  | 7    | 1,6 |     |     |     | 7  | 8   | 11  | 15 |     |    |    |    |    |    |    |     |     |     |     |     |     |     |   |
| 12  | 8,5  | 2   |     |     |     |    | 7   | 8   | 12 | 20  | 33 |    |    |    |    |    |     |     |     |     |     |     |     |   |
| 14  | 10   | 2,3 |     |     |     |    |     | 11  | 17 | 29  |    |    |    |    |    |    |     |     |     |     |     |     |     |   |
| 16  | 11   | 2,6 |     |     |     |    |     |     | 9  | 15  | 26 | 39 |    |    |    |    |     |     |     |     |     |     |     |   |
| 18  | 13,5 | 3   |     |     |     |    |     |     |    | 13  | 23 | 35 | 51 |    |    |    |     |     |     |     |     |     |     |   |
| 20  | 14   | 3,3 |     |     |     |    |     |     |    | 12  | 20 | 30 | 45 |    |    |    |     |     |     |     |     |     |     |   |
| 25  | 17,5 | 4   |     |     |     |    |     |     |    |     | 17 | 25 | 36 | 65 |    |    |     |     |     |     |     |     |     |   |
| 32  | 22   | 5   |     |     |     |    |     |     |    |     |    | 19 | 29 | 51 | 78 |    |     |     |     |     |     |     |     |   |
| 40  | 28   | 6,5 |     |     |     |    |     |     |    |     |    |    | 23 | 41 | 63 | 90 |     |     |     |     |     |     |     |   |
| 50  | 35   | 8   |     |     |     |    |     |     |    |     |    |    |    | 32 | 50 | 72 | 208 |     |     |     |     |     |     |   |
| 63  | 45   | 10  |     |     |     |    |     |     |    |     |    |    |    |    | 26 | 39 | 57  | 102 | 163 |     |     |     |     |   |
| 80  | 55   | 13  |     |     |     |    |     |     |    |     |    |    |    |    |    | 32 | 45  | 81  | 129 | 187 |     |     |     |   |
| 100 | 71   | 16  |     |     |     |    |     |     |    |     |    |    |    |    |    |    | 36  | 65  | 101 | 144 |     |     |     |   |
| 125 | 89   | 20  |     |     |     |    |     |     |    |     |    |    |    |    |    |    |     | 51  | 80  | 117 | 180 |     |     |   |
| 160 | 113  | 26  |     |     |     |    |     |     |    |     |    |    |    |    |    |    |     |     | 63  | 90  | 141 | 250 |     |   |
| 200 | 140  | 33  |     |     |     |    |     |     |    |     |    |    |    |    |    |    |     |     |     | 83  | 114 | 208 | 315 |   |
| 250 | 175  | 41  |     |     |     |    |     |     |    |     |    |    |    |    |    |    |     |     |     |     | 167 | 255 | 360 |   |
| V   | B    | Ri  |     |     |     |    |     |     |    |     |    |    |    |    |    |    |     |     |     |     |     |     |     | F |

t/m

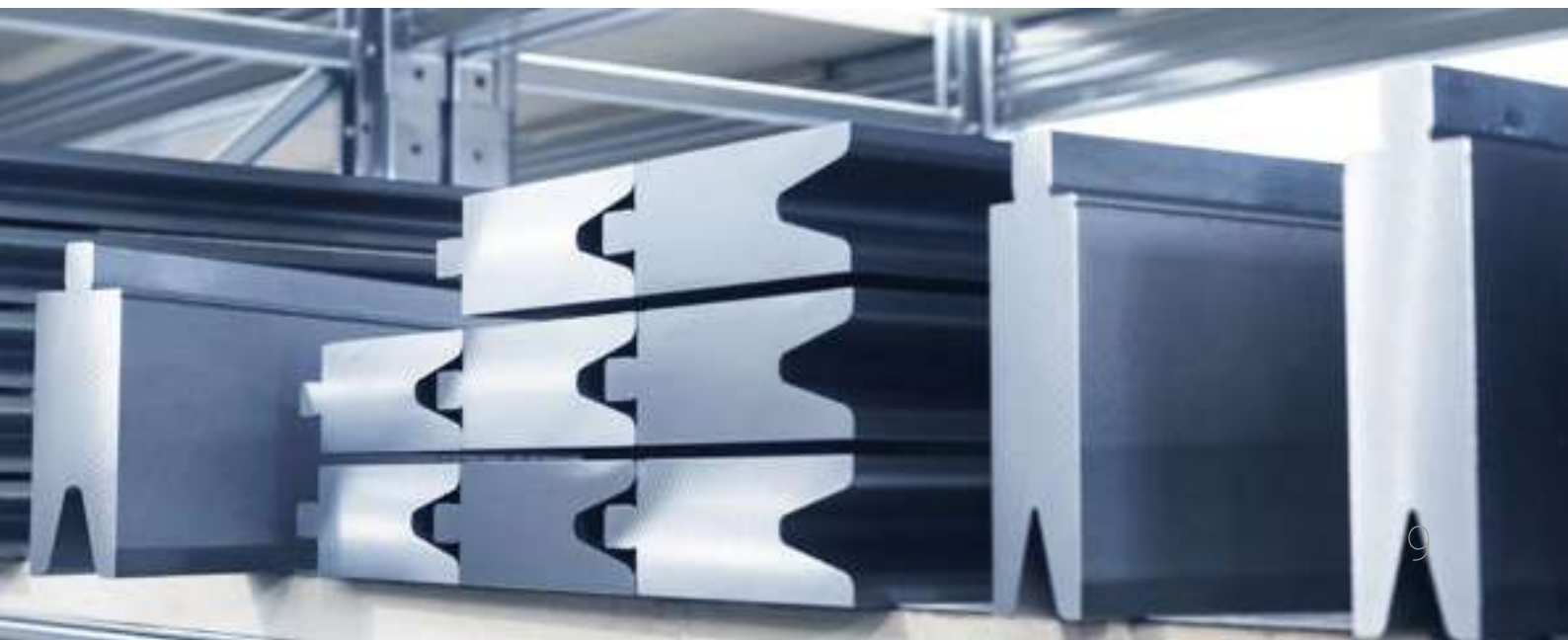


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| 3072        | 64          | 3114        | 185         | 3150        | 138         | 3196        | 69          |
| 3073        | 65          | 3115        | 186         | 3151        | 138         | 3197        | 69          |
| 3074        | 65          | 3116        | 186         | 3152        | 139         | 3198        | 69          |
| 3075        | 65          | 3117        | 186         | 3153        | 139         | 3199        | 69          |
| 3076        | 65          | 3118        | 187         | 3154        | 139         | 3200        | 116         |
| 3077        | 65          | 3119        | 187         | 3155        | 139         | 3201        | 116         |
| 3078        | 65          | 3120        | 187         | 3156        | 140         | 3202        | 116         |
| 3079        | 65          | 3121        | 187         | 3157        | 143         | 3203        | 116         |
| 3080        | 56          | 3122        | 187         | 3158        | 68          | 3204        | 117         |
| 3081        | 56          | 3123        | 130         | 3159        | 68          | 3205        | 117         |
| 3082        | 56          | 3124        | 130         | 3160        | 68          | 3206        | 125         |
| 3083        | 61          | 3125        | 130         | 3161        | 68          | 3207        | 125         |
| 3084        | 61          | 3126        | 130         | 3162        | 68          | 3208        | 125         |
| 3085        | 61          | 3127        | 131         | 3163        | 68          | 3209        | 125         |
| 3086        | 57          | 3128        | 131         | 3164        | 68          | 3210        | 126         |
| 3087        | 57          | 3129        | 131         | 3165        | 68          | 3211        | 126         |
| 3088        | 57          | 3130        | 131         | 3166        | 70          | 3212        | 126         |
| 3089        | 57          | 3131        | 132         | 3167        | 70          | 3213        | 126         |
| 3090        | 57          | 3132        | 132         | 3168        | 70          | 3214        | 127         |
| 3091        | 57          | 3133        | 132         | 3169        | 70          | 3215        | 117         |
| 3092        | 57          | 3134        | 133         | 3170        | 70          | 3216        | 117         |



| CODICE/CODE | PAGINA/PAGE | CODICE/CODE | PAGINA/PAGE | CODICE/CODE | PAGINA/PAGE | CODICE/CODE | PAGINA/PAGE |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 3217        | 118         | 3262        | 168         | 4008        | 240         | 4222        | 235         |
| 3218        | 118         | 3263        | 169         | 4009        | 238         | 4223        | 235         |
| 3219        | 122         | 3264        | 169         | 4010        | 256         | 4224        | 235         |
| 3220        | 122         | 3265        | 169         | 4011        | 256         | 4225        | 235         |
| 3221        | 123         | 3270        | 160         | 4012        | 256         | 4226        | 236         |
| 3222        | 123         | 3271        | 160         | 4013        | 256         | 4227        | 236         |
| 3223        | 124         | 3272        | 160         | 4014        | 256         | 4228        | 236         |
| 3224        | 124         | 3273        | 161         | 4015        | 256         | 4229        | 245         |
| 3225        | 118         | 3274        | 161         | 4016        | 237         | 4272        | 245         |
| 3226        | 118         | 3275        | 161         | 4020        | 237         | 4273        | 245         |
| 3227        | 119         | 3276        | 164         | 4021        | 238         | 4274        | 202         |
| 3228        | 119         | 3280        | 165         | 4031        | 241         | 4275        | 195         |
| 3229        | 119         | 3281        | 165         | 4032        | 241         | 4277        | 42          |
| 3230        | 120         | 3282        | 165         | 4033        | 247         | 4281        | 239         |
| 3231        | 120         | 3283        | 166         | 4034        | 247         | 4282        | 236         |
| 3232        | 120         | 3284        | 166         | 4040        | 247         | 4301        | 246         |
| 3233        | 121         | 3285        | 167         | 4041        | 247         | 4302        | 246         |
| 3234        | 121         | 3286        | 167         | 4050        | 247         | 4303        | 246         |
| 3235        | 127         | 3320        | 87          | 4073        | 235         | 4304        | 246         |
| 3236        | 128         | 3321        | 87          | 4090        | 240         | 4305        | 246         |
| 3237        | 128         | 3322        | 87          | 4143        | 243         | 4306        | 256         |
| 3238        | 128         | 3323        | 87          | 4144        | 243         | 4307        | 256         |
| 3239        | 128         | 3324        | 88          | 4145        | 243         | 4308        | 254         |
| 3240        | 129         | 3325        | 88          | 4146        | 243         | 4309        | 254         |
| 3241        | 182         | 3326        | 88          | 4191        | 243         | 4313        | 74          |
| 3242        | 182         | 3327        | 89          | 4192        | 243         | 4314        | 254         |
| 3243        | 252         | 3328        | 89          | 4193        | 244         | 4318        | 257         |
| 3244        | 119         | 3329        | 89          | 4199        | 239         | 4319        | 257         |
| 3250        | 162         | 3330        | 89          | 4214        | 244         | 4330        | 141         |
| 3251        | 162         | 3334        | 215         | 4215        | 244         | 4349        | 239         |
| 3252        | 162         | 3335        | 215         | 4216        | 244         | 4361        | 245         |
| 3253        | 163         | 3336        | 215         | 4217        | 244         | 4362        | 245         |
| 3254        | 163         | 4000        | 242         | 4218        | 244         | 4379        | 254         |
| 3255        | 163         | 4001        | 242         | 4219        | 239         | 4380        | 254         |
| 3260        | 168         | 4002        | 242         | 4220        | 239         | 4383        | 257         |
| 3261        | 168         | 4007        | 240         | 4221        | 235         | 4384        | 258         |



| CODICE/CODE | PAGINA/PAGE | CODICE/CODE | PAGINA/PAGE | CODICE/CODE | PAGINA/PAGE | CODICE/CODE  | PAGINA/PAGE |
|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|
| 4381        | 234         | 4410        | 232         | 8021        | 250         | 8216         | 108         |
| 4389        | 219         | 4411        | 236         | 8022        | 250         | 8218         | 108         |
| 4390        | 221         | 4414        | 224         | 8100        | 249         | 8219         | 108         |
| 4392        | 228         | 4419        | 223         | 8101        | 249         | 9010         | 248         |
| 4393        | 225         | 5011        | 238         | 8102        | 249         | 9011         | 248         |
| 4394        | 233         | 5012        | 237         | 8106        | 250         | 9012         | 248         |
| 4395        | 234         | 5013        | 237         | 8107        | 249         | 9013         | 248         |
| 4396        | 234         | 7290        | 51          | 8201        | 269         | 9014         | 253         |
| 4397        | 234         | 8010        | 249         | 8202        | 269         | 9015         | 253         |
| 4398        | 231         | 8011        | 249         | 8205        | 269         | 9016         | 253         |
| 4399        | 230         | 8012        | 249         | 8210        | 108         | 9017         | 253         |
| 4400        | 222         | 8013        | 249         | 8211        | 108         | 9018         | 253         |
| 4404        | 226         | 8014        | 250         | 8212        | 108         | 9019         | 253         |
| 4405        | 229         | 8016        | 250         | 8213        | 108         | 9020         | 248         |
| 4408        | 226         | 8017        | 250         | 8214        | 108         | ACARM1NE0005 | 260         |
| 4409        | 220         | 8020        | 250         | 8215        | 108         | CARRELLO0005 | 260         |





# AMADA PROMECAM STYLE

## EUROPEAN STYLE

**Gli utensili superiori ed inferiori elencati in questa sezione possono essere installati sulle piegatrici:**

ACL, Accurpress, AM Machinery, Amada, Atlantic, Adira, Baykal, BL, Boschert, Boutillon, Bystronic-Beyeler Euro-B, Coastone, Colgar, Dener, Deratech, Durmazlar, Ermaksan, Farina, Gade, Gasparini, Gizelis, Haco, Hindustan, Iturrospe, Jfy, JMT, LFK, Metfab, MVD, Oriance, Prima Power, Promecam, Rico, RPC Piegatrici, Salvagnini, Schiavi, SMD, Sorg, Somo, Vicla, Vimercati, Warcom, Yangli, Yawei, Ysde su tutte le piegatrici equipaggiate con sistemi di bloccaggio stile Europeo (stile Amada/Promecam).

Questi utensili possono essere installati anche su altre piegatrici tramite adattatori superiori e inferiori.

***Upper and lower tooling listed on this section could be installed on the following press brakes:***

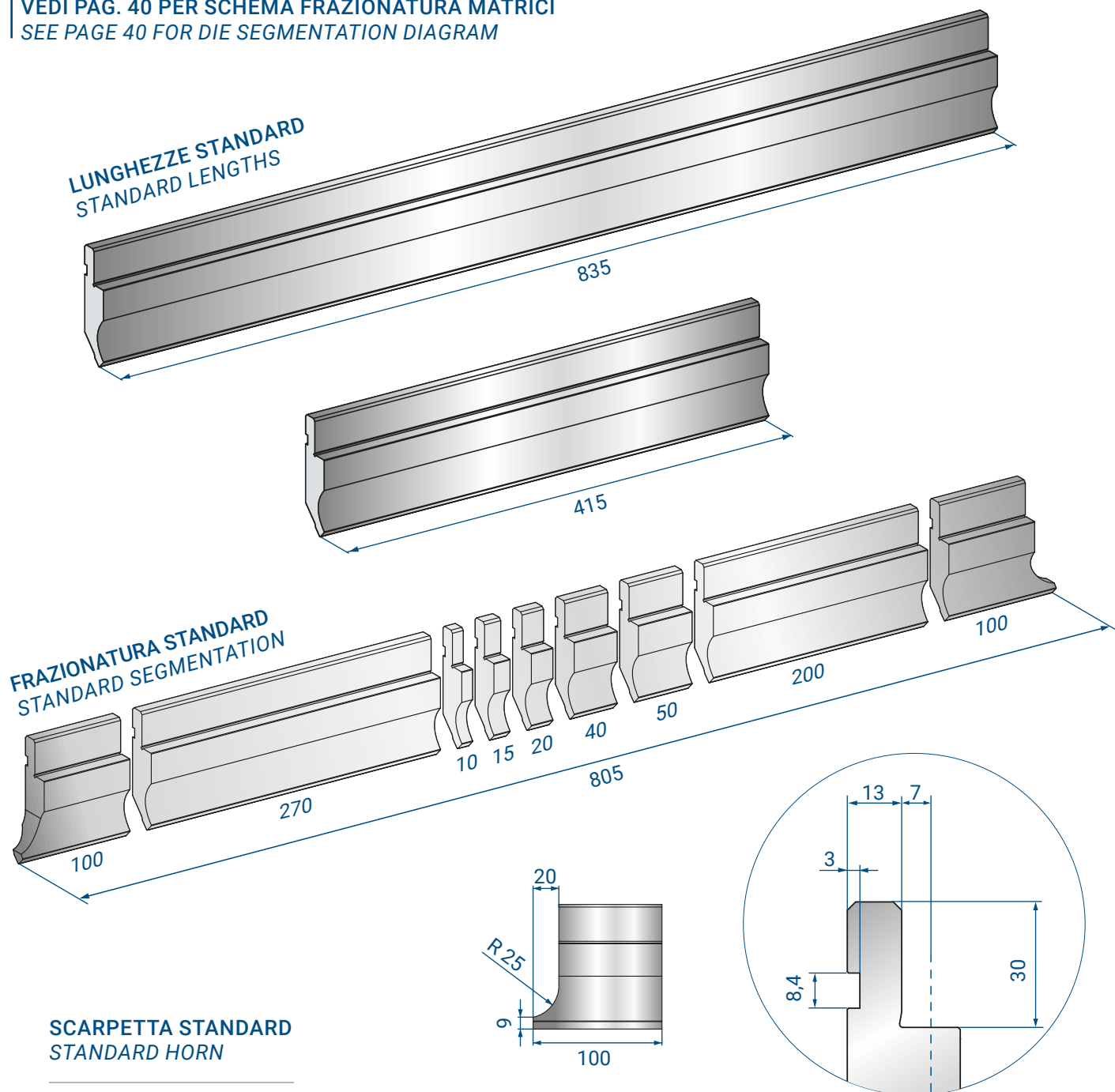
ACL, Accurpress, AM Machinery, Amada, Atlantic, Adira, Baykal, BL, Boschert, Boutillon, Bystronic-Beyeler Euro-B, Coastone, Colgar, Dener, Deratech, Durmazlar, Ermaksan, Farina, Gade, Gasparini, Gizelis, Haco, Hindustan, Iturrospe, Jfy, JMT, LFK, Metfab, MVD, Oriance, Prima Power, Promecam, Rico, RPC Piegatrici, Salvagnini, Schiavi, SMD, Sorg, Somo, Vicla, Vimercati, Warcom, Yangli, Yawei, Ysd, on all folders equipped with European-style clamping systems (Amada/Promecam style).

*These tooling could also be installed on other press brakes by using the appropriate upper and lower adapters.*



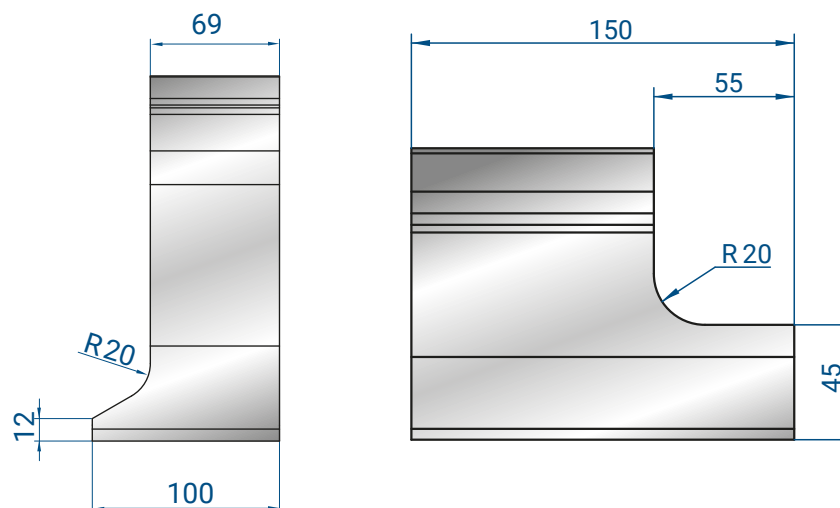


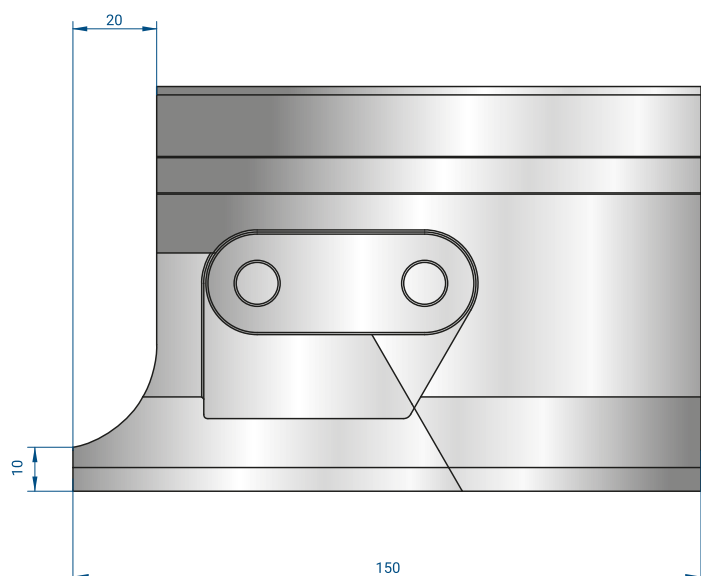
VEDI PAG. 40 PER SCHEMA FRAZIONATURA MATRICI  
SEE PAGE 40 FOR DIE SEGMENTATION DIAGRAM



## MODIFICHE A RICHIESTA / MODIFICATIONS ON REQUEST

**SCARPETTE SPECIALI**  
SPECIAL HORNS





**PUNZONE**  
*PUNCH*

**1011 1011S**

2x150 3,5 kg

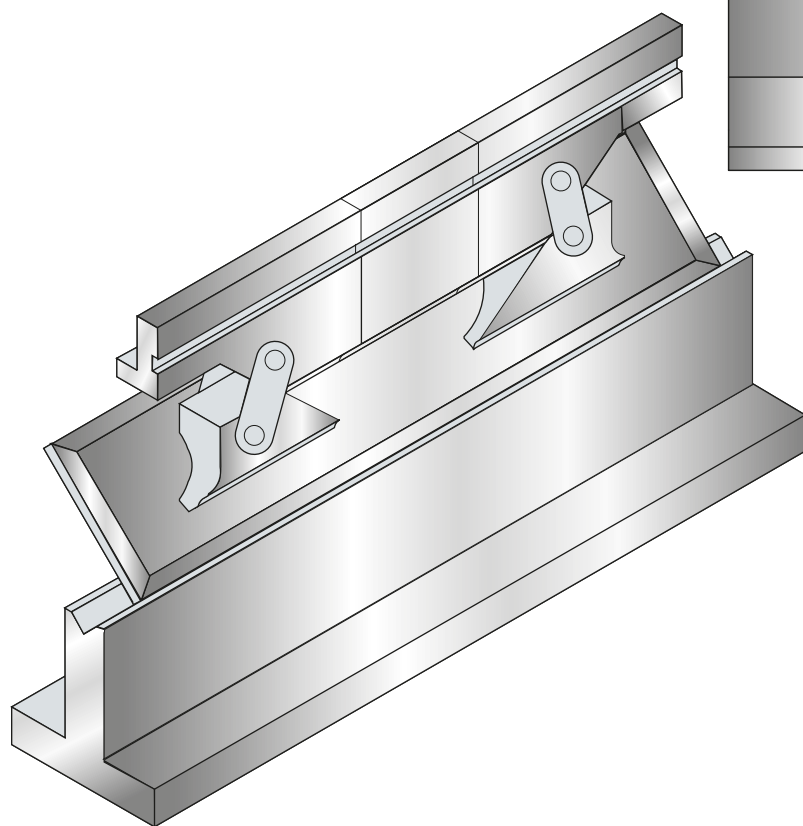
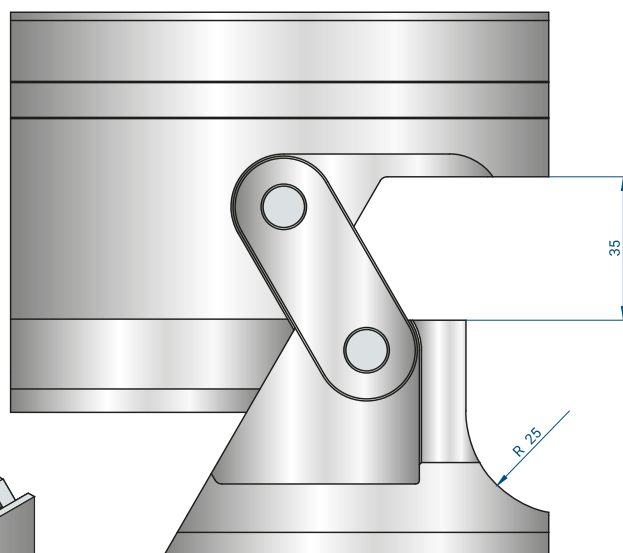
**SCARPETTE MOBILI**  
*MOVING HORNS*

**1065 1065S**

2x150 3,5 kg

**1047 1047S**

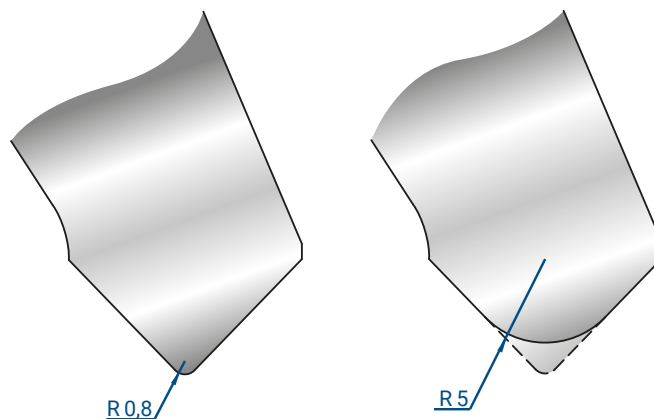
2x150 4,0 kg

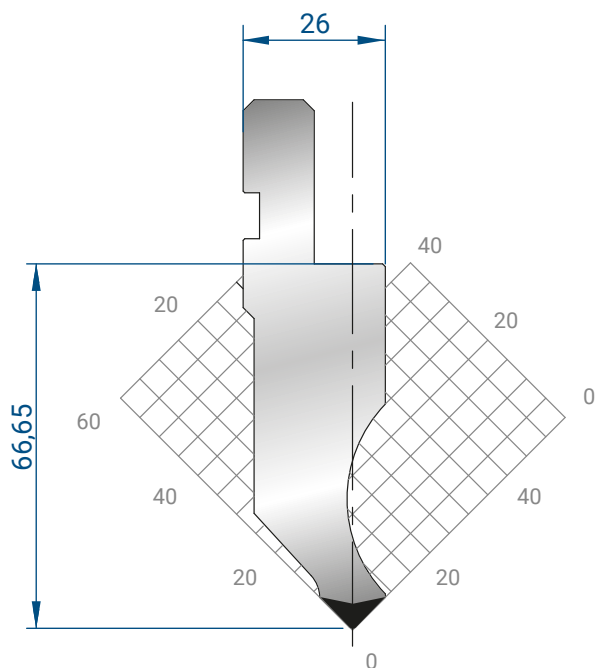


**TAGLI A RICHIESTA**  
*SPECIAL SEGMENTATION*



**MODIFICA RAGGIO**  
*RADIUS MODIFICATION*

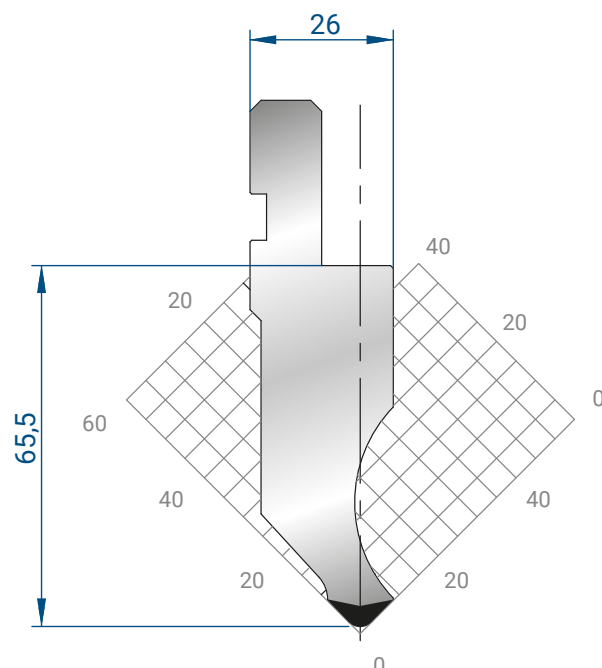




**1011**

**Mat** = C45  
**H** = 66.65  
**Max T/m** = 100  
 $\alpha = 88^\circ$   
**R** = 0.8

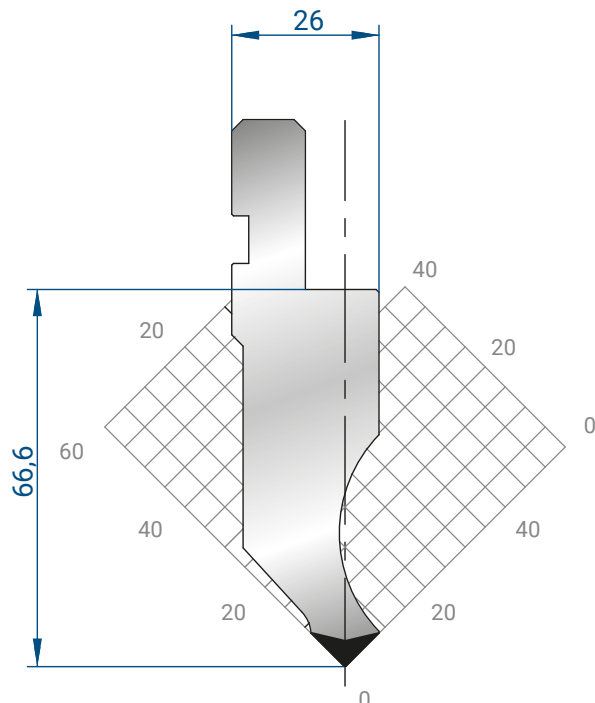
|               |         |
|---------------|---------|
| 835 mm        | 10,5 kg |
| 415 mm        | 5,2 kg  |
| 805 mm        | 9,7 kg  |
| FRAZ. / SECT. |         |



**1012**

**Mat** = C45  
**H** = 65.50  
**Max T/m** = 100  
 $\alpha = 88^\circ$   
**R** = 3

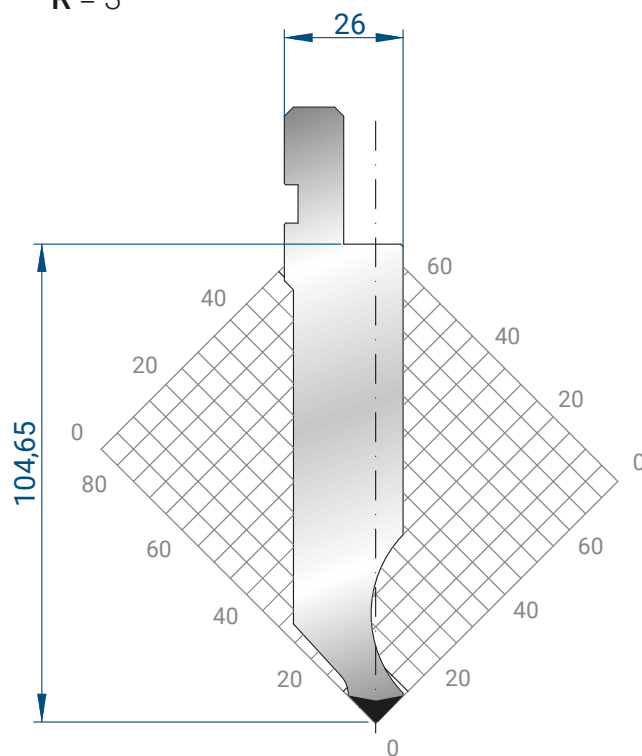
|               |         |
|---------------|---------|
| 835 mm        | 10,4 kg |
| 415 mm        | 5,2 kg  |
| 805 mm        | 9,6 kg  |
| FRAZ. / SECT. |         |



**1065**

**Mat** = C45  
**H** = 66.60  
**Max T/m** = 100  
 $\alpha = 88^\circ$   
**R** = 0.25

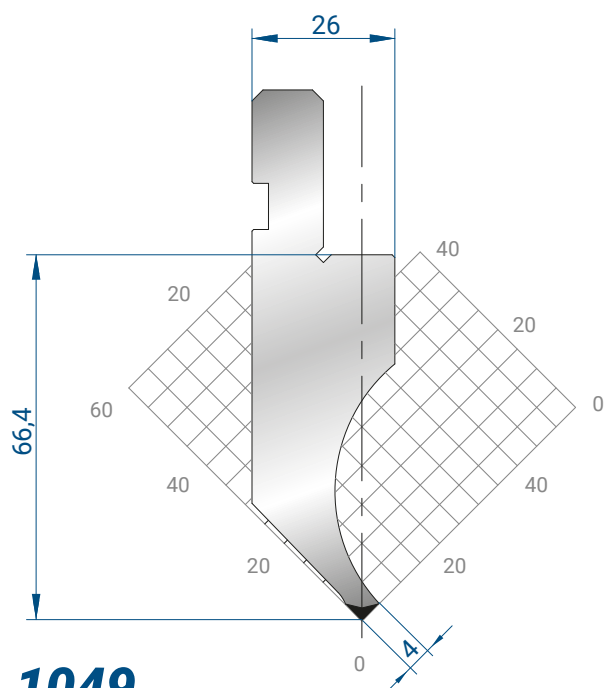
|               |         |
|---------------|---------|
| 835 mm        | 10,5 kg |
| 415 mm        | 5,2 kg  |
| 805 mm        | 9,7 kg  |
| FRAZ. / SECT. |         |



**1063**

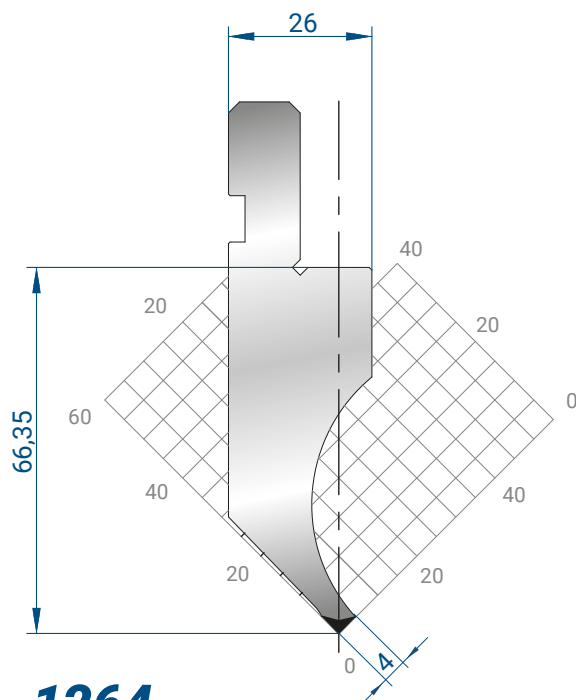
**Mat** = C45  
**H** = 104.65  
**Max T/m** = 100  
 $\alpha = 88^\circ$   
**R** = 0.8

|               |         |
|---------------|---------|
| 835 mm        | 16,4 kg |
| 415 mm        | 8,2 kg  |
| 805 mm        | 15,1 kg |
| FRAZ. / SECT. |         |


**1049**

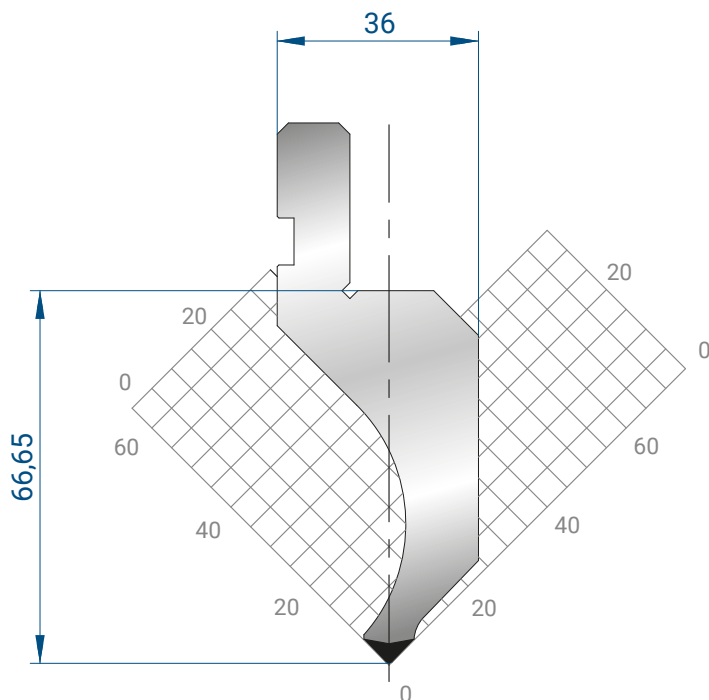
Mat = C45  
bonificato / tempered  
H = 66.40  
Max T/m = 35  
 $\alpha = 88^\circ$   
R = 0.6

|               |        |
|---------------|--------|
| 835 mm        | 9,9 kg |
| 415 mm        | 4,9 kg |
| 805 mm        | 9,1 kg |
| FRAZ. / SECT. |        |


**1264**

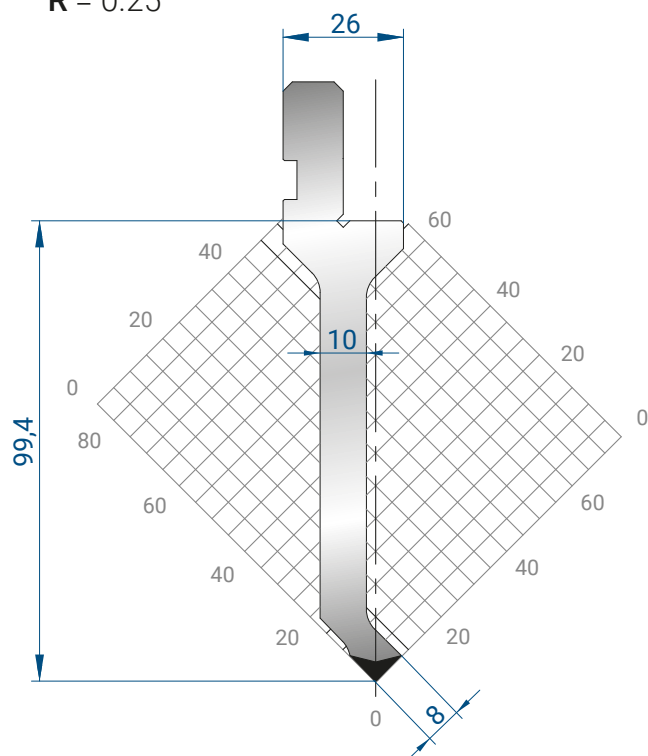
Mat = C45  
bonificato / tempered  
H = 66.35  
Max T/m = 35  
 $\alpha = 88^\circ$   
R = 0.25

|               |        |
|---------------|--------|
| 835 mm        | 9,9 kg |
| 415 mm        | 4,9 kg |
| 805 mm        | 9,1 kg |
| FRAZ. / SECT. |        |


**1081**

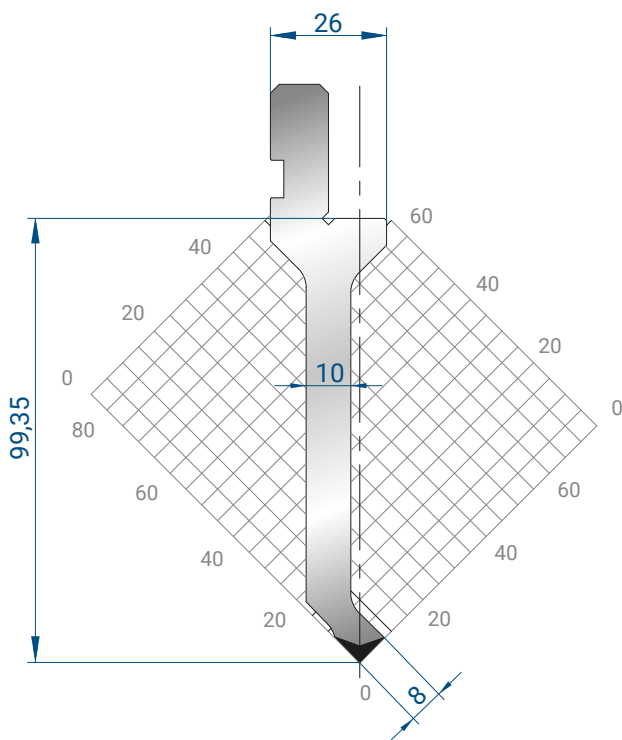
Mat = C45  
H = 66.65  
Max T/m = 60  
 $\alpha = 88^\circ$   
R = 0.8

|               |         |
|---------------|---------|
| 835 mm        | 10,1 kg |
| 415 mm        | 5,0 kg  |
| 805 mm        | 9,3 kg  |
| FRAZ. / SECT. |         |


**1029**

Mat = C45  
H = 99.40  
Max T/m = 50  
 $\alpha = 88^\circ$   
R = 0.6

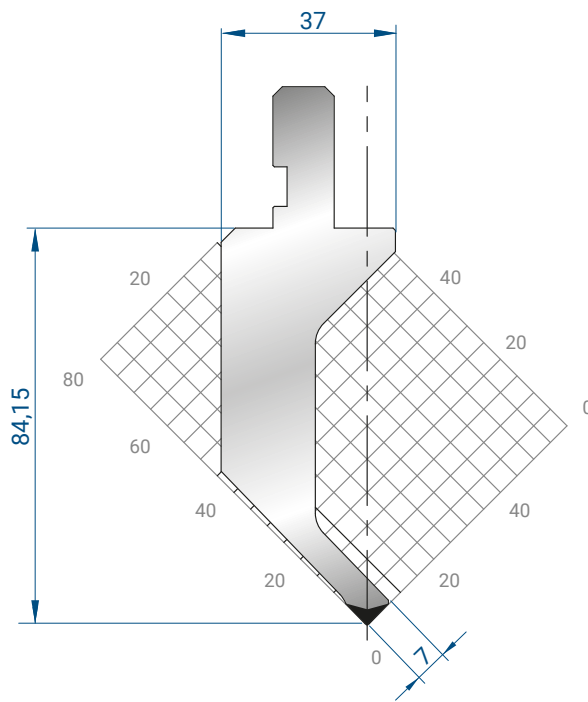
|               |        |
|---------------|--------|
| 835 mm        | 9,7 kg |
| 415 mm        | 4,8 kg |
| 805 mm        | 8,9 kg |
| FRAZ. / SECT. |        |



**1262**

**Mat** = C45  
**H** = 99.35  
**Max T/m** = 50  
 $\alpha$  = 88°  
**R** = 0.25

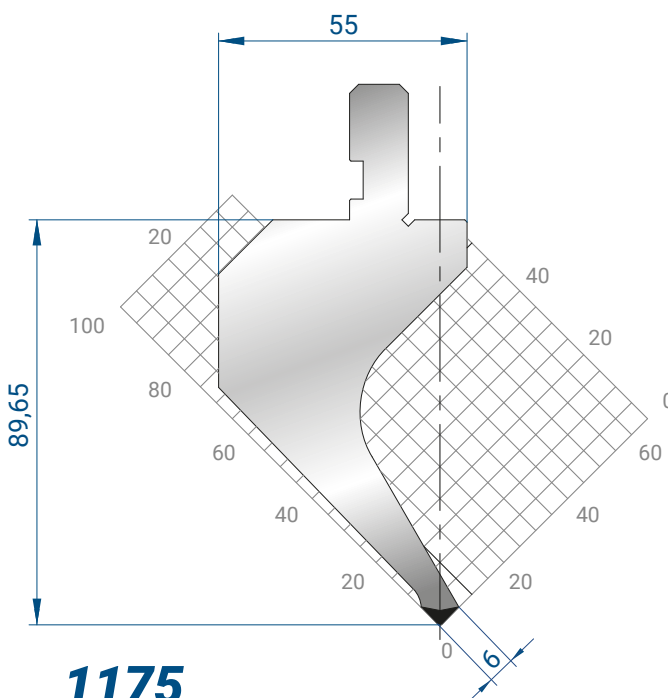
|               |        |
|---------------|--------|
| 835 mm        | 9,7 kg |
| 415 mm        | 4,8 kg |
| 805 mm        | 8,9 kg |
| FRAZ. / SECT. |        |



**1020**

**Mat** = 42CrMo4  
 bonificato / *tempered*  
**H** = 84.15  
**Max T/m** = 20  
 $\alpha$  = 88°  
**R** = 0.6

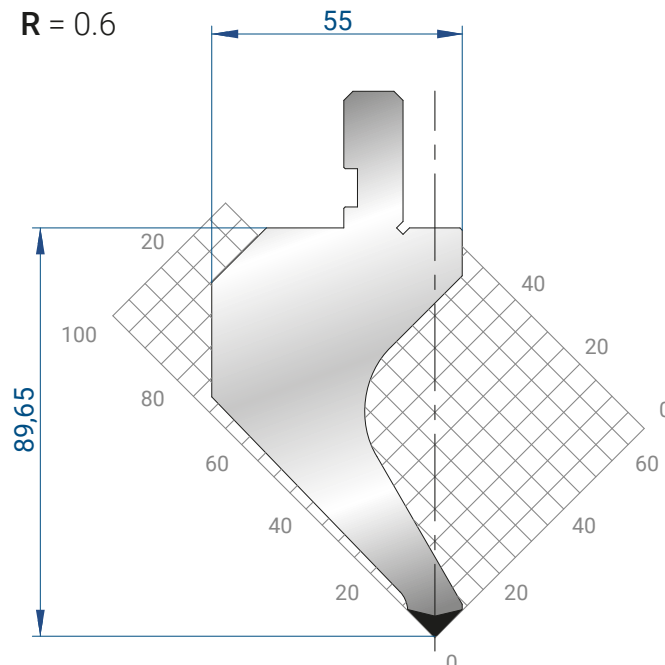
|               |         |
|---------------|---------|
| 835 mm        | 12,8 kg |
| 415 mm        | 6,4 kg  |
| 805 mm        | 11,8 kg |
| FRAZ. / SECT. |         |



**1175**

**Mat** = C45  
 bonificato / *tempered*  
**H** = 89.65  
**Max T/m** = 50  
 $\alpha$  = 88°  
**R** = 0.8

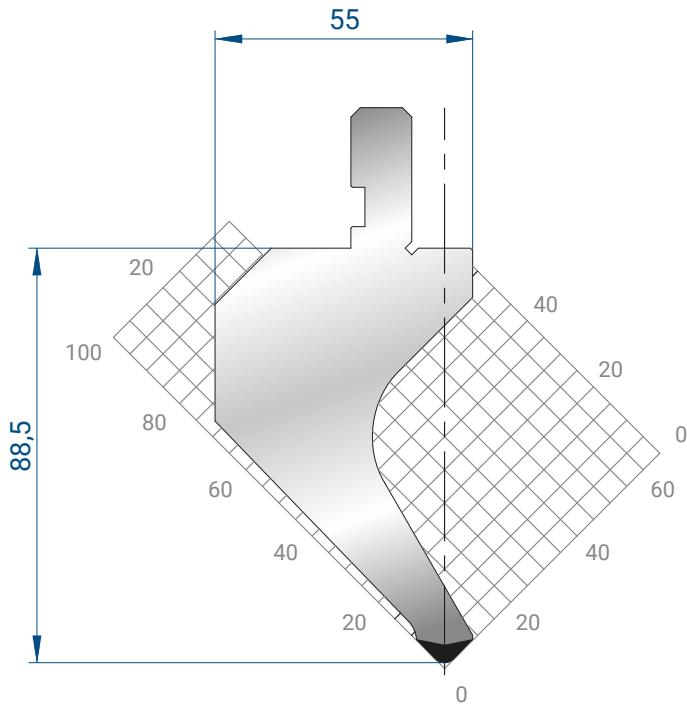
|               |         |
|---------------|---------|
| 835 mm        | 18,4 kg |
| 415 mm        | 9,1 kg  |
| 805 mm        | 16,9 kg |
| FRAZ. / SECT. |         |



**1014**

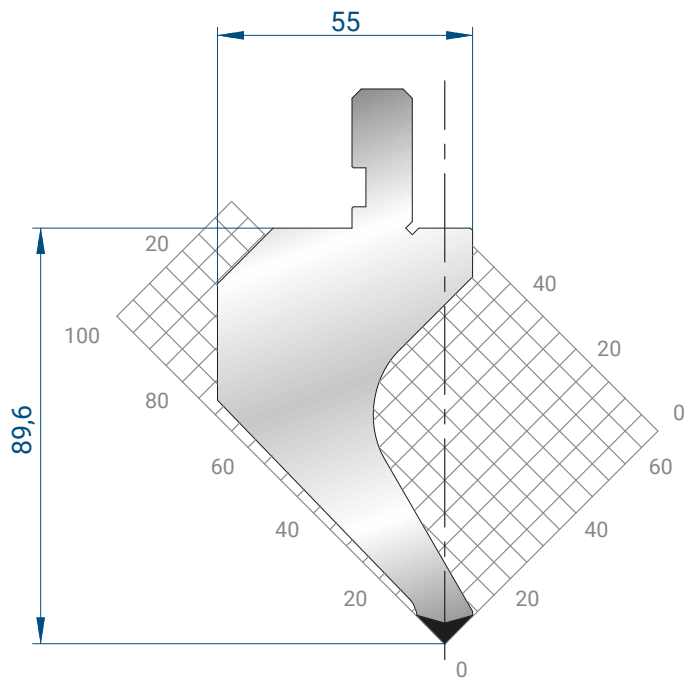
**Mat** = C45  
**H** = 89.65  
**Max T/m** = 60  
 $\alpha$  = 88°  
**R** = 0.8

|               |         |
|---------------|---------|
| 835 mm        | 19,5 kg |
| 415 mm        | 9,7 kg  |
| 805 mm        | 17,9 kg |
| FRAZ. / SECT. |         |


**1015**

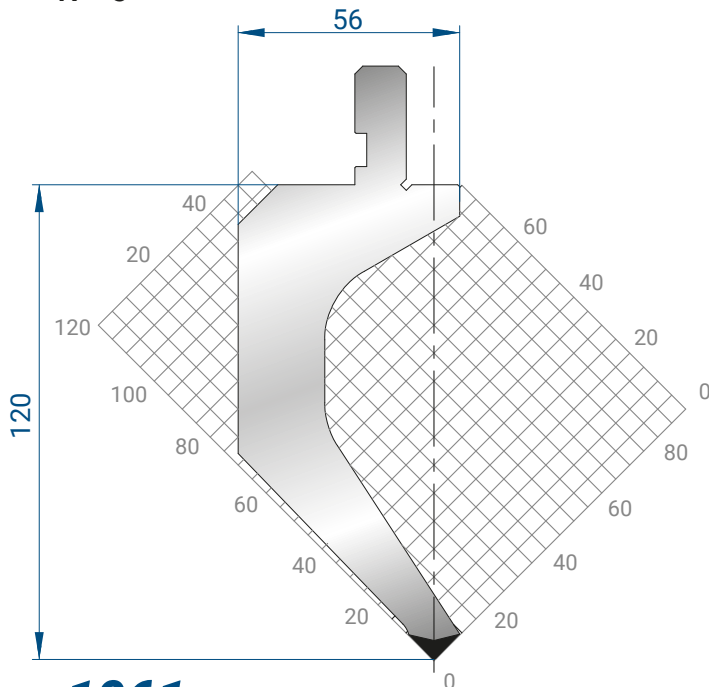
Mat = C45  
H = 88.50  
Max T/m = 60  
 $\alpha = 88^\circ$   
R = 3

|               |         |
|---------------|---------|
| 835 mm        | 19,4 kg |
| 415 mm        | 9,6 kg  |
| 805 mm        | 17,8 kg |
| FRAZ. / SECT. |         |


**1266**

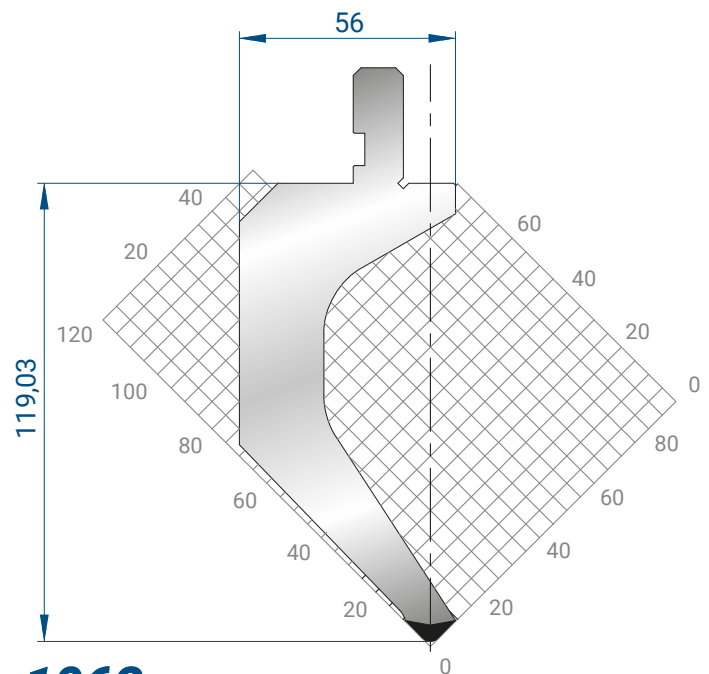
Mat = C45  
H = 89.60  
Max T/m = 60  
 $\alpha = 88^\circ$   
R = 0.25

|               |         |
|---------------|---------|
| 835 mm        | 19,4 kg |
| 415 mm        | 9,7 kg  |
| 805 mm        | 17,9 kg |
| FRAZ. / SECT. |         |


**1061**

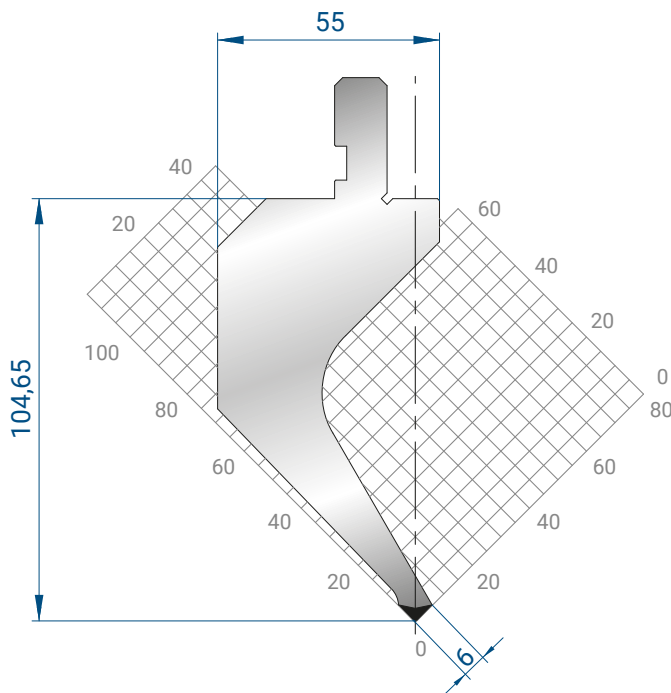
Mat = C45  
bonificato / tempered  
H = 120  
Max T/m = 50  
 $\alpha = 88^\circ$   
R = 0.8

|               |         |
|---------------|---------|
| 835 mm        | 22,0 kg |
| 415 mm        | 10,9 kg |
| 805 mm        | 20,2 kg |
| FRAZ. / SECT. |         |


**1062**

Mat = C45  
bonificato / tempered  
H = 119.03  
Max T/m = 50  
 $\alpha = 88^\circ$   
R = 3

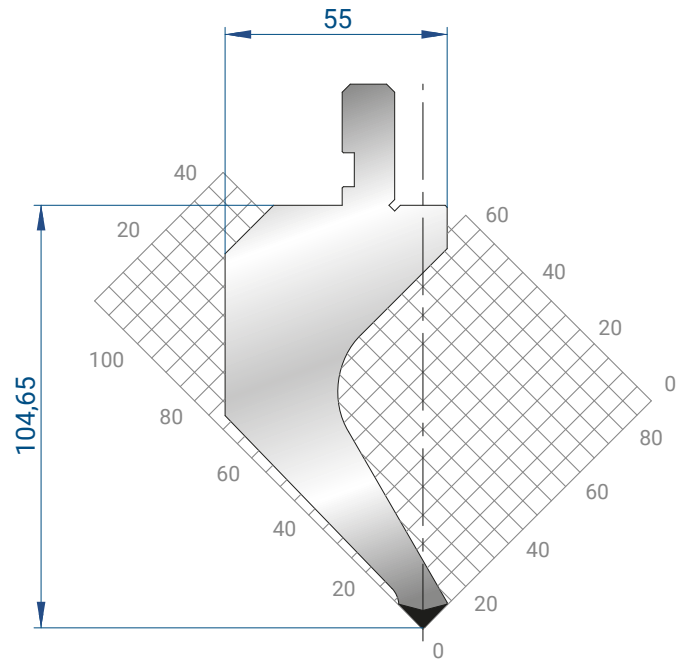
|               |         |
|---------------|---------|
| 835 mm        | 22,0 kg |
| 415 mm        | 10,9 kg |
| 805 mm        | 20,2 kg |
| FRAZ. / SECT. |         |



**1173**

**Mat** = C45  
 bonificato / *tempered*  
**H** = 104.65  
**Max T/m** = 50  
 $\alpha$  = 88°  
 R = 0.8

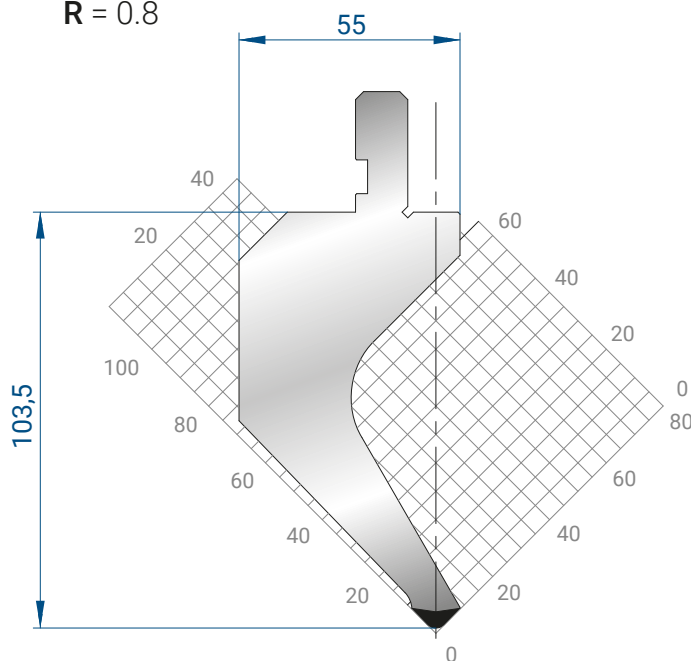
|               |         |
|---------------|---------|
| 835 mm        | 20,7 kg |
| 415 mm        | 10,3 kg |
| 805 mm        | 19,0 kg |
| FRAZ. / SECT. |         |



**1017**

**Mat** = C45  
**H** = 104.65  
**Max T/m** = 50  
 $\alpha$  = 88°  
 R = 0.8

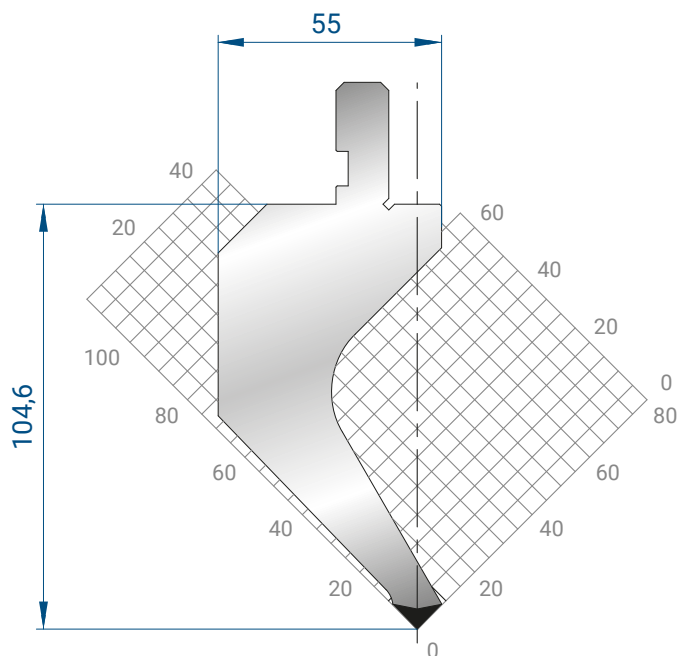
|               |         |
|---------------|---------|
| 835 mm        | 21,9 kg |
| 415 mm        | 10,9 kg |
| 805 mm        | 21,1 kg |
| FRAZ. / SECT. |         |



**1018**

**Mat** = C45  
**H** = 103.50  
**Max T/m** = 50  
 $\alpha$  = 88°  
 R = 3

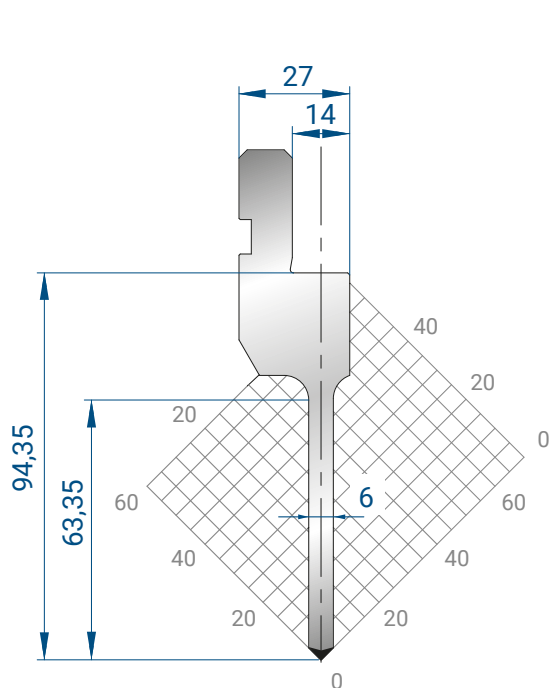
|               |         |
|---------------|---------|
| 835 mm        | 21,8 kg |
| 415 mm        | 10,8 kg |
| 805 mm        | 20,0 kg |
| FRAZ. / SECT. |         |



**1268**

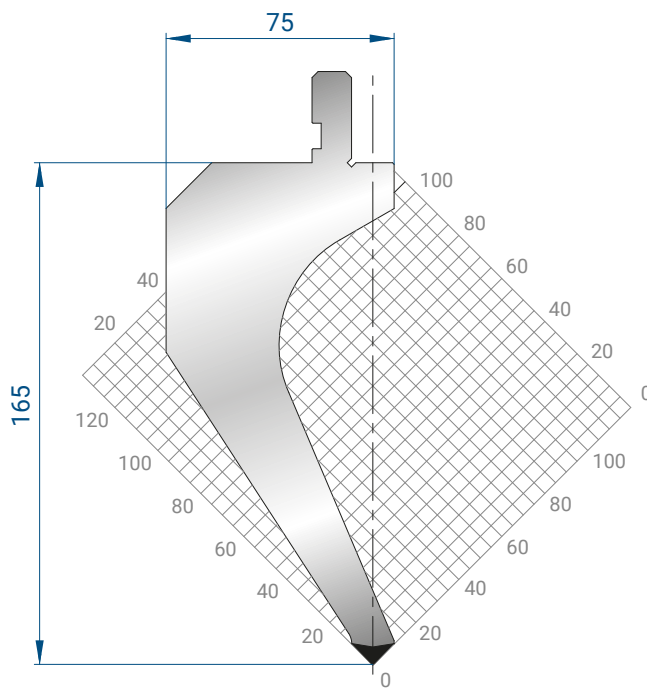
**Mat** = C45  
**H** = 104.60  
**Max T/m** = 50  
 $\alpha$  = 88°  
 R = 0.25

|               |         |
|---------------|---------|
| 835 mm        | 21,8 kg |
| 415 mm        | 10,8 kg |
| 805 mm        | 20,0 kg |
| FRAZ. / SECT. |         |


**1270**

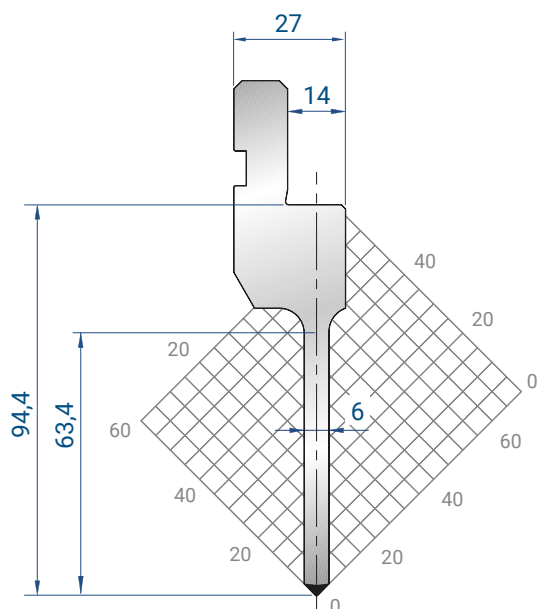
Mat = C45  
bonificato/ *tempered*  
H = 94.35  
Max T/m = 50  
 $\alpha = 88^\circ$   
R = 0.25

|               |        |
|---------------|--------|
| 835 mm        | 9,4 kg |
| 415 mm        | 4,7 kg |
| 805 mm        | 8,6 kg |
| FRAZ. / SECT. |        |


**1031**

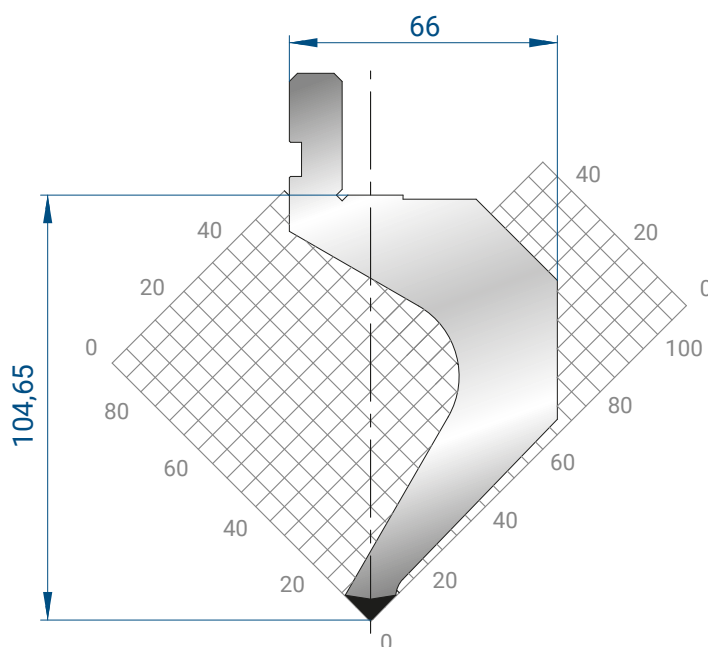
Mat = C45  
H = 165  
Max T/m = 60  
 $\alpha = 88^\circ$   
R = 0.8

|               |         |
|---------------|---------|
| 835 mm        | 39,2 kg |
| 415 mm        | 19,5 kg |
| 805 mm        | 36,0 kg |
| FRAZ. / SECT. |         |


**1084**

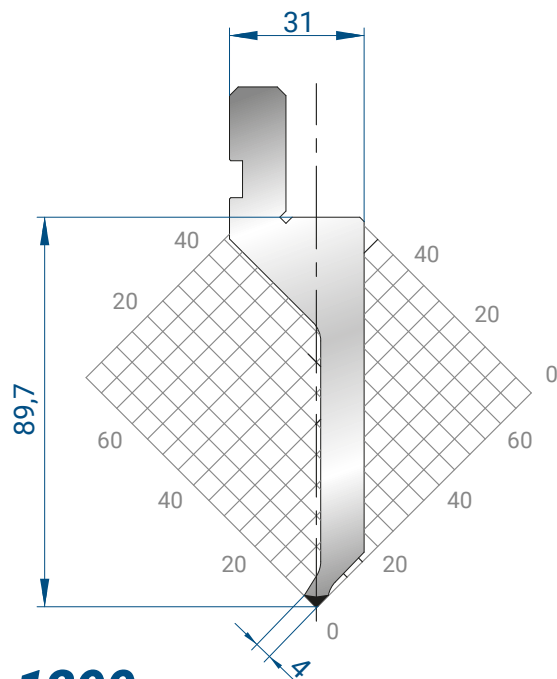
Mat = C45  
bonificato / *tempered*  
H = 94.40  
Max T/m = 50  
 $\alpha = 88^\circ$   
R = 0.6

|               |        |
|---------------|--------|
| 835 mm        | 9,4 kg |
| 415 mm        | 4,7 kg |
| 805 mm        | 8,6 kg |
| FRAZ. / SECT. |        |


**1082**

Mat = C45  
H = 104.65  
Max T/m = 45  
 $\alpha = 88^\circ$   
R = 0.8

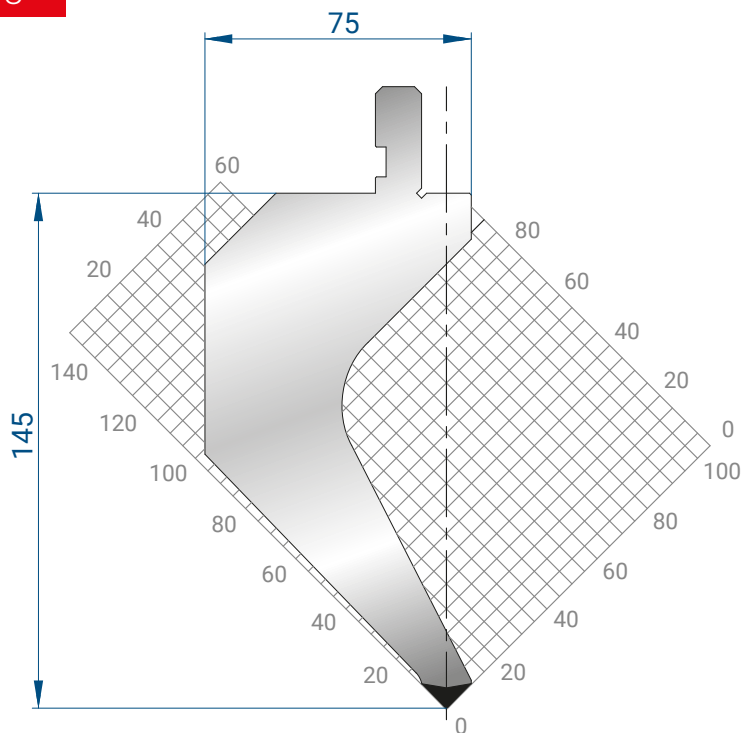
|               |         |
|---------------|---------|
| 835 mm        | 21,1 kg |
| 415 mm        | 10,5 kg |
| 805 mm        | 19,4 kg |
| FRAZ. / SECT. |         |



**1290**

**Mat** = C45  
 bonificato / *tempered*  
**H** = 89.70  
**Max T/m** = 30  
 $\alpha = 88^\circ$   
**R** = 0.6

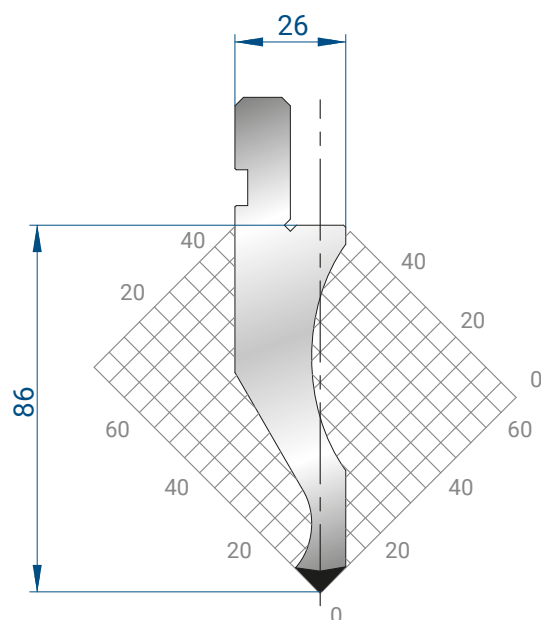
|                         |         |
|-------------------------|---------|
| 835 mm                  | 10,0 kg |
| 415 mm                  | 5,0 kg  |
| 805 mm<br>FRAZ. / SECT. | 9,3 kg  |



**1030**

**Mat** = C45  
**H** = 145  
**Max T/m** = 80  
 $\alpha = 88^\circ$   
**R** = 0.8

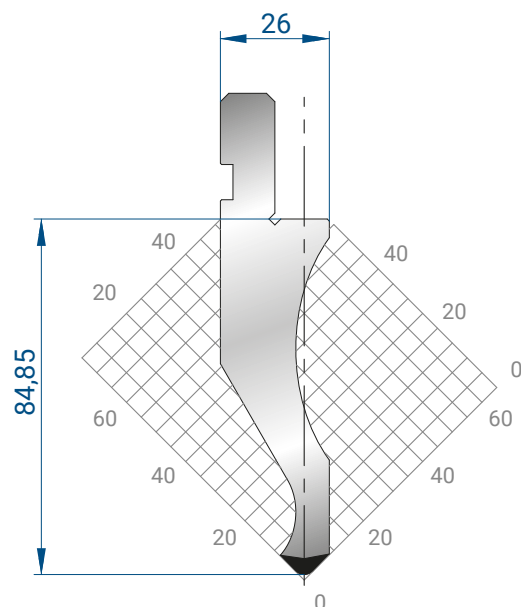
|                         |         |
|-------------------------|---------|
| 835 mm                  | 39,3 kg |
| 415 mm                  | 19,5 kg |
| 805 mm<br>FRAZ. / SECT. | 36,1 kg |



**1022**

**Mat** = C45  
**H** = 86  
**Max T/m** = 100  
 $\alpha = 88^\circ$   
**R** = 0.8

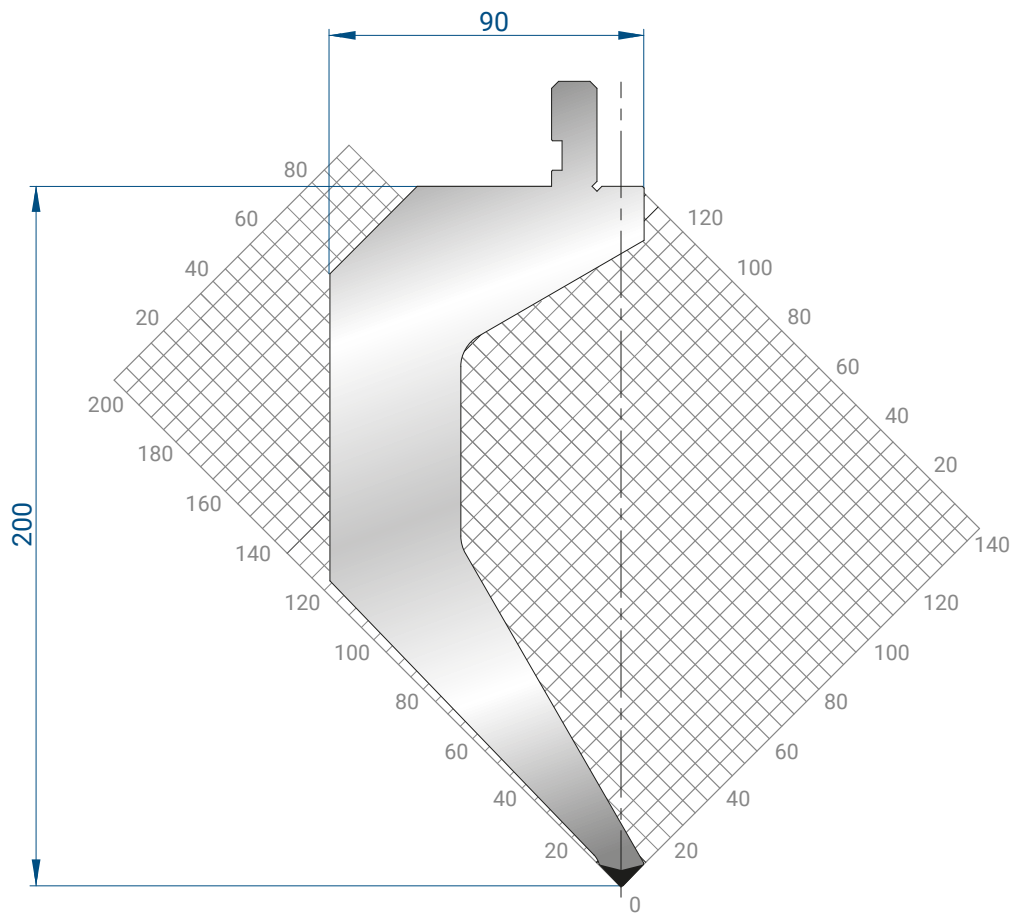
|                         |         |
|-------------------------|---------|
| 835 mm                  | 10,9 kg |
| 415 mm                  | 5,4 kg  |
| 805 mm<br>FRAZ. / SECT. | 10,0 kg |



**1023**

**Mat** = C45  
**H** = 84.85  
**Max T/m** = 100  
 $\alpha = 88^\circ$   
**R** = 3

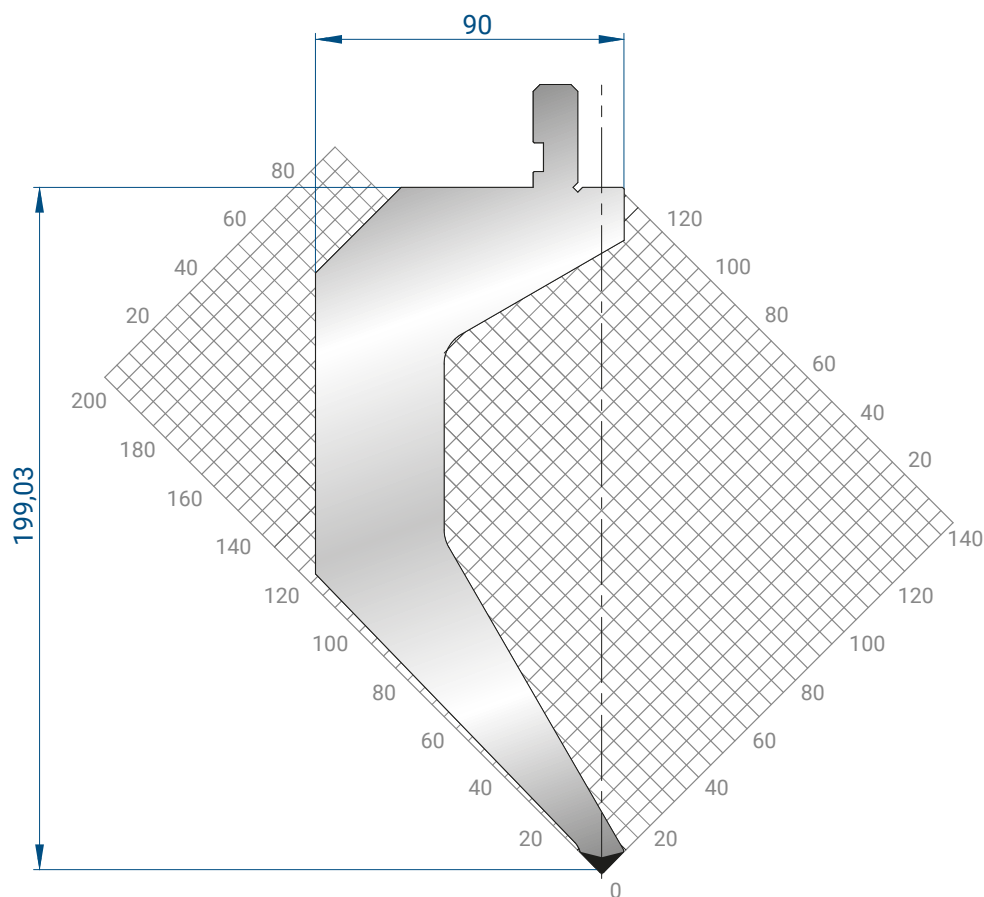
|                         |         |
|-------------------------|---------|
| 835 mm                  | 10,9 kg |
| 415 mm                  | 5,4 kg  |
| 805 mm<br>FRAZ. / SECT. | 10,0 kg |



**1291**

**Mat** = C45  
bonificato / *tempered*  
**H** = 200  
**Max T/m** = 85  
 **$\alpha$**  = 88°  
**R** = 0.8

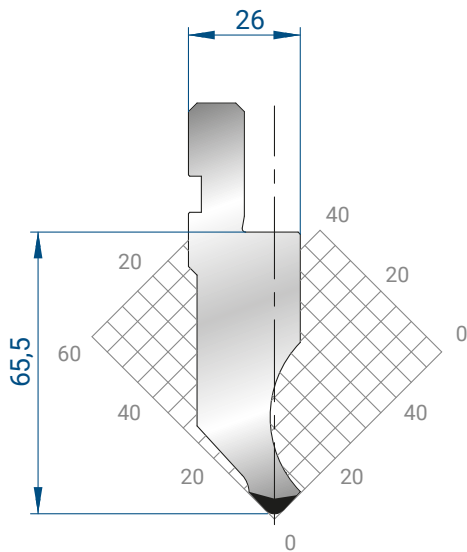
|               |         |
|---------------|---------|
| 505 mm        | 32,4 kg |
| 805 mm        | 49,2 kg |
| FRAZ. / SECT. |         |



**1301**

**Mat** = C45  
bonificato / *tempered*  
**H** = 199.03  
**Max T/m** = 85  
 **$\alpha$**  = 88°  
**R** = 3

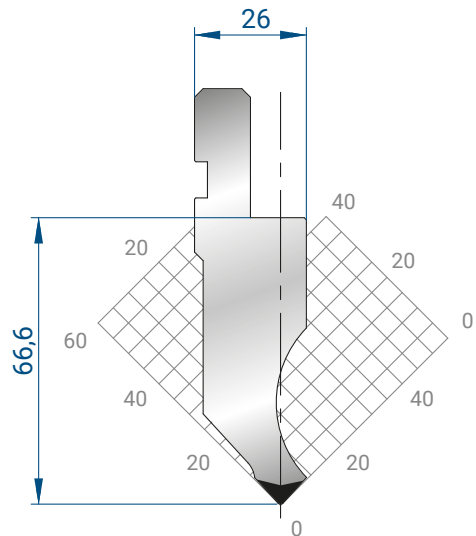
|               |         |
|---------------|---------|
| 505 mm        | 32,4 kg |
| 805 mm        | 49,2 kg |
| FRAZ. / SECT. |         |



**1177**

**Mat** = C45  
**H** = 65.50  
**Max T/m** = 100  
 $\alpha = 85^\circ$   
**R** = 3

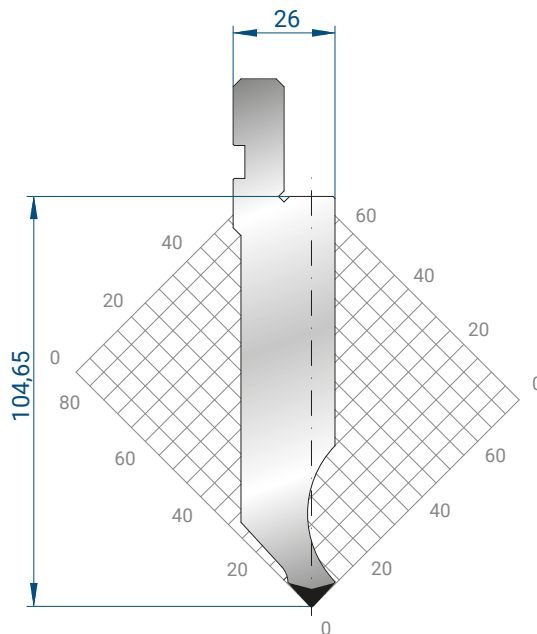
|                         |         |
|-------------------------|---------|
| 835 mm                  | 10,4 kg |
| 415 mm                  | 5,2 kg  |
| 805 mm<br>FRAZ. / SECT. | 9,6 kg  |



**1260**

**Mat** = C45  
**H** = 66.60  
**Max T/m** = 100  
 $\alpha = 85^\circ$   
**R** = 0.8

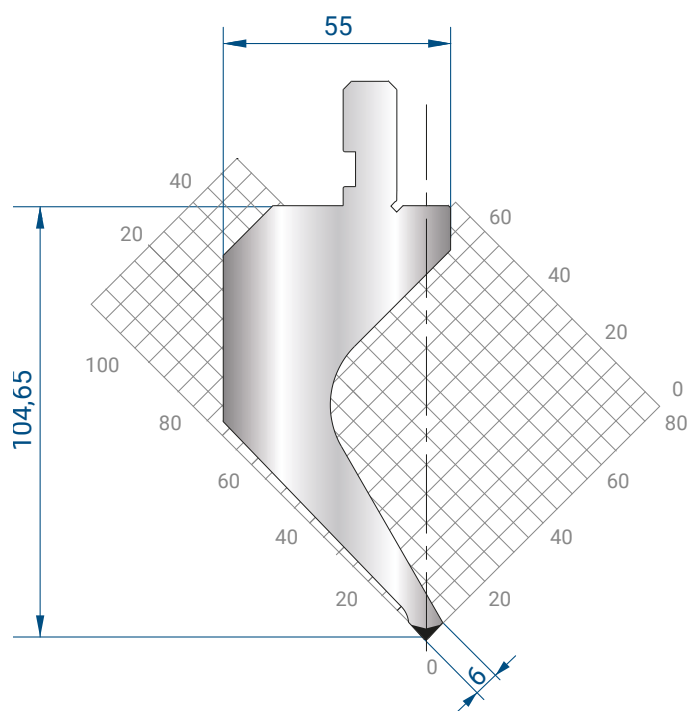
|                         |         |
|-------------------------|---------|
| 835 mm                  | 10,4 kg |
| 415 mm                  | 5,2 kg  |
| 805 mm<br>FRAZ. / SECT. | 9,6 kg  |



**1281**

**Mat** = C45  
**H** = 104.65  
**Max T/m** = 100  
 $\alpha = 85^\circ$   
**R** = 0.8

|                         |         |
|-------------------------|---------|
| 835 mm                  | 16,4 kg |
| 415 mm                  | 8,2 kg  |
| 805 mm<br>FRAZ. / SECT. | 15,1 kg |



# 1171

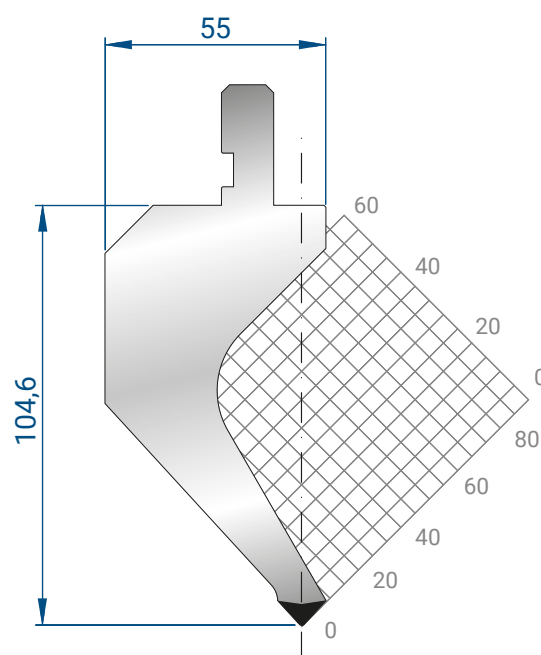
Mat = C45  
H = 104.65  
Max T/m = 50  
 $\alpha = 85^\circ$   
R = 0.8

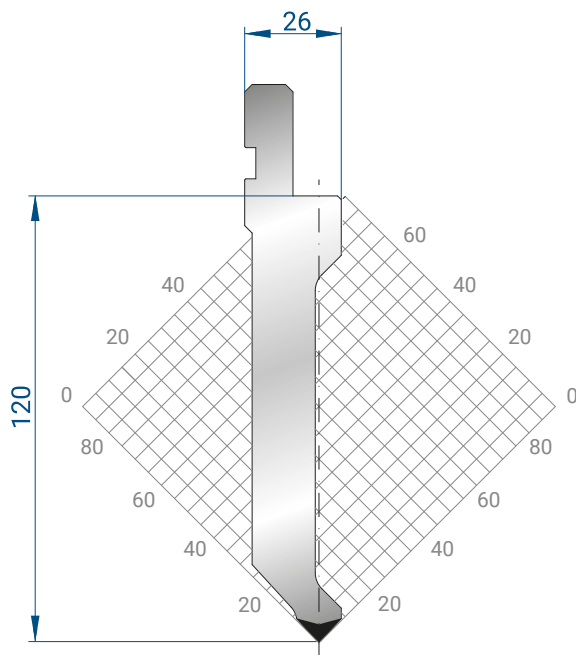
|               |         |
|---------------|---------|
| 835 mm        | 20,7 kg |
| 415 mm        | 10,3 kg |
| 805 mm        | 19,0 kg |
| FRAZ. / SECT. |         |

# 1172

Mat = C45  
H = 104.60  
Max T/m = 50  
 $\alpha = 85^\circ$   
R = 0.8

|               |         |
|---------------|---------|
| 835 mm        | 21,4 kg |
| 415 mm        | 10,7 kg |
| 805 mm        | 19,7 kg |
| FRAZ. / SECT. |         |

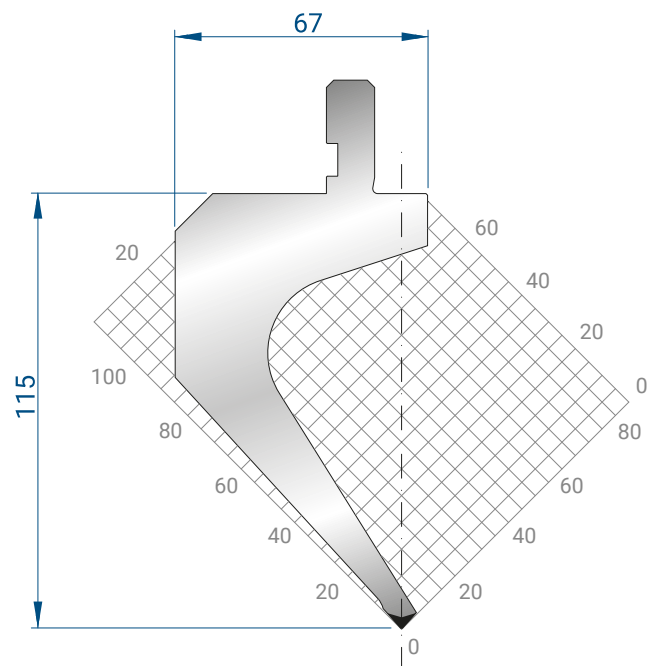




**1309**

**Mat** = C45  
**H** = 120.00  
**Max T/m** = 70  
 $\alpha$  = 85°  
**R** = 0.8

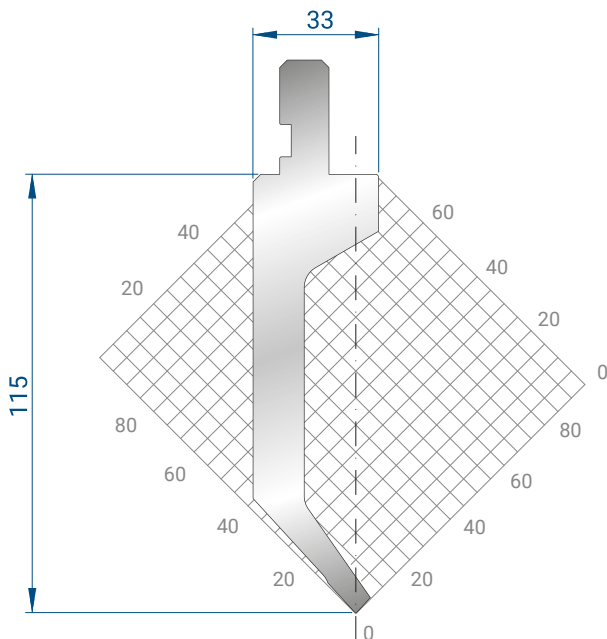
|               |         |
|---------------|---------|
| 835 mm        | 15,9 kg |
| 415 mm        | 7,9 kg  |
| 805 mm        | 14,7 kg |
| FRAZ. / SECT. |         |



**1310**

**Mat** = 42CrMo4  
 bonificato / *tempered*  
**H** = 115.00  
**Max T/m** = 35  
 $\alpha$  = 85°  
**R** = 0.8

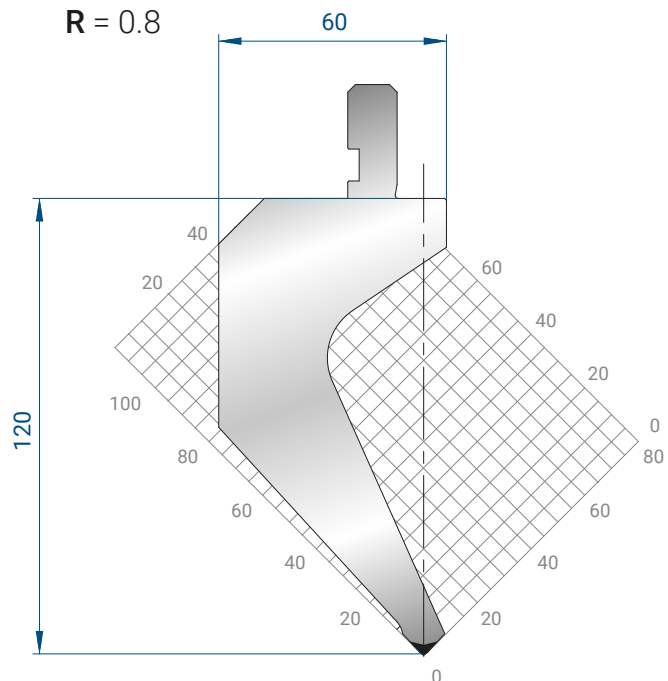
|               |         |
|---------------|---------|
| 835 mm        | 22,7 kg |
| 415 mm        | 11,3 kg |
| 805 mm        | 20,8 kg |
| FRAZ. / SECT. |         |



**1312**

**Mat** = 42CrMo4  
 bonificato / *tempered*  
**H** = 115.00  
**Max T/m** = 20  
 $\alpha$  = 85°  
**R** = 0.6

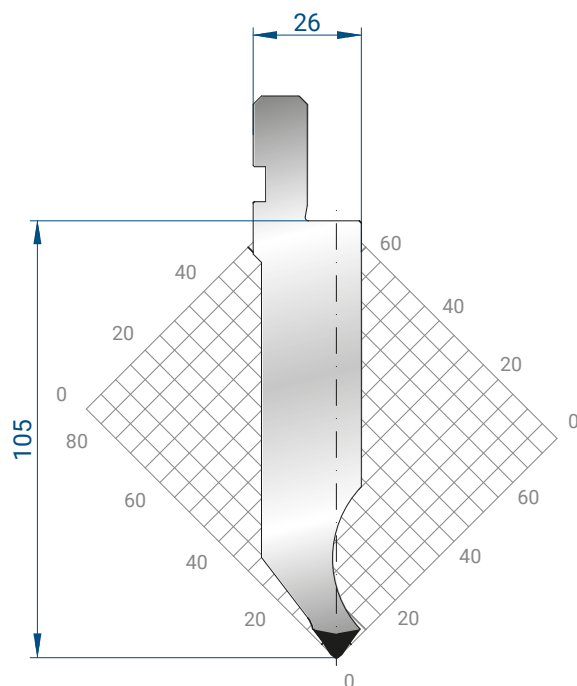
|               |         |
|---------------|---------|
| 835 mm        | 14,3 kg |
| 415 mm        | 7,1 kg  |
| 805 mm        | 13,1 kg |
| FRAZ. / SECT. |         |



**1322**

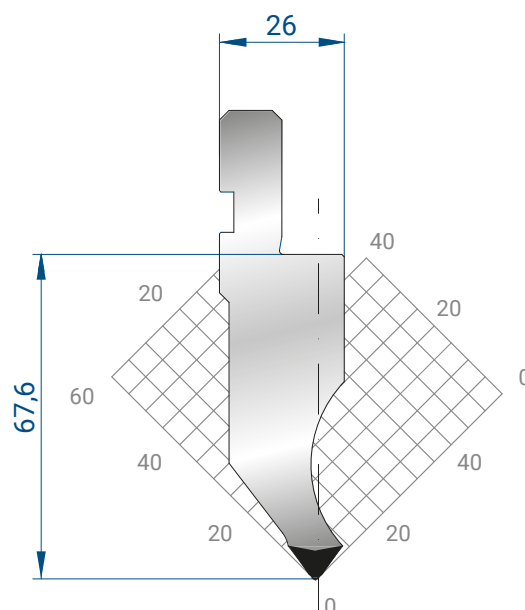
**Mat** = 42CrMo4  
 bonificato / *tempered*  
**H** = 120.00  
**Max T/m** = 100  
 $\alpha$  = 85°  
**R** = 1.5

|               |         |
|---------------|---------|
| 835 mm        | 26,6 kg |
| 415 mm        | 13,2 kg |
| 805 mm        | 24,5 kg |
| FRAZ. / SECT. |         |


**1338**

**Mat** = 42CrMo4  
 bonificato/ *tempered*  
**H** = 105  
**Max T/m** = 100  
 $\alpha = 75^\circ$   
**R** = 0.8

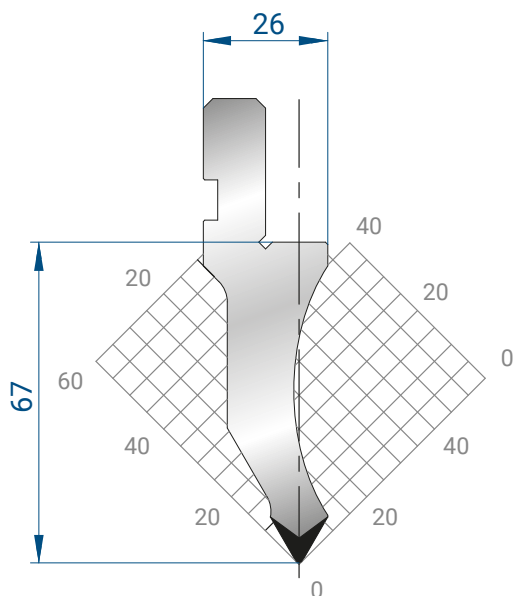
|               |         |
|---------------|---------|
| 835 mm        | 16,4 kg |
| 415 mm        | 8,1 kg  |
| 805 mm        | 15,0 kg |
| FRAZ. / SECT. |         |


**1339**

**Mat** = 42CrMo4  
 bonificato/ *tempered*  
**H** = 67,6  
**Max T/m** = 100  
 $\alpha = 75^\circ$   
**R** = 0.8

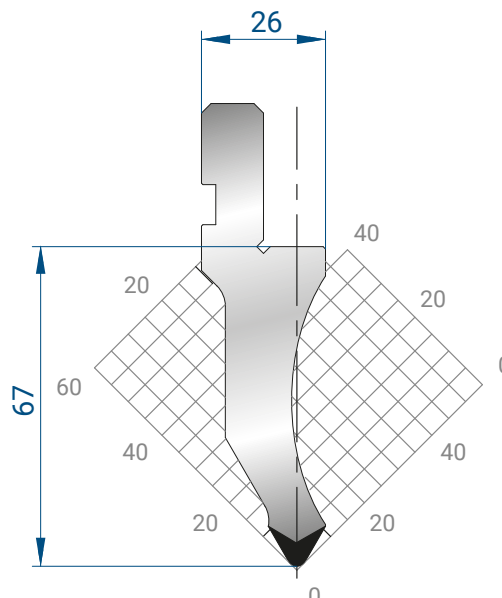
|               |         |
|---------------|---------|
| 835 mm        | 10,5 kg |
| 415 mm        | 5,2 kg  |
| 805 mm        | 9,7 kg  |
| FRAZ. / SECT. |         |

## PUNZONI - 60° / PUNCHES - 60°


**1026**

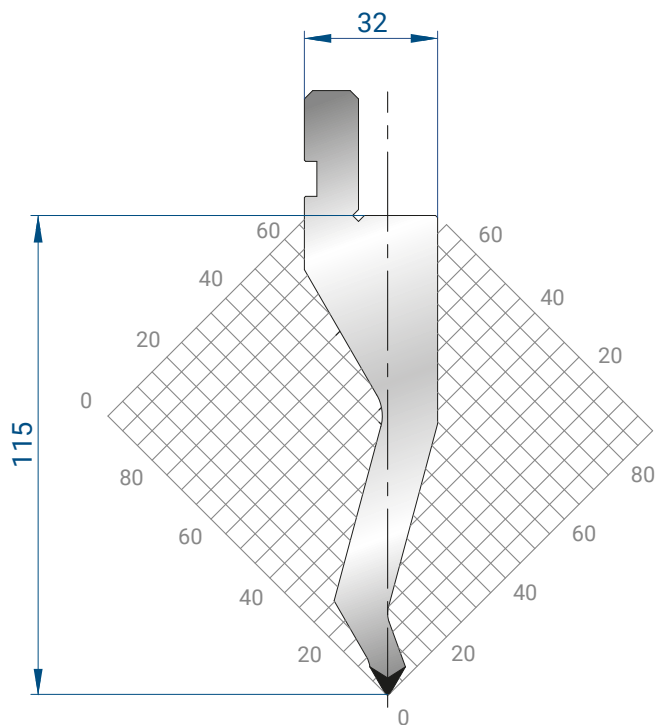
**Mat** = C45  
**H** = 67.00  
**Max T/m** = 80  
 $\alpha = 60^\circ$   
**R** = 0.8

|               |        |
|---------------|--------|
| 835 mm        | 8,6 kg |
| 415 mm        | 4,3 kg |
| 805 mm        | 7,9 kg |
| FRAZ. / SECT. |        |


**1027**

**Mat** = C45  
**H** = 67.00  
**Max T/m** = 80  
 $\alpha = 60^\circ$   
**R** = 2

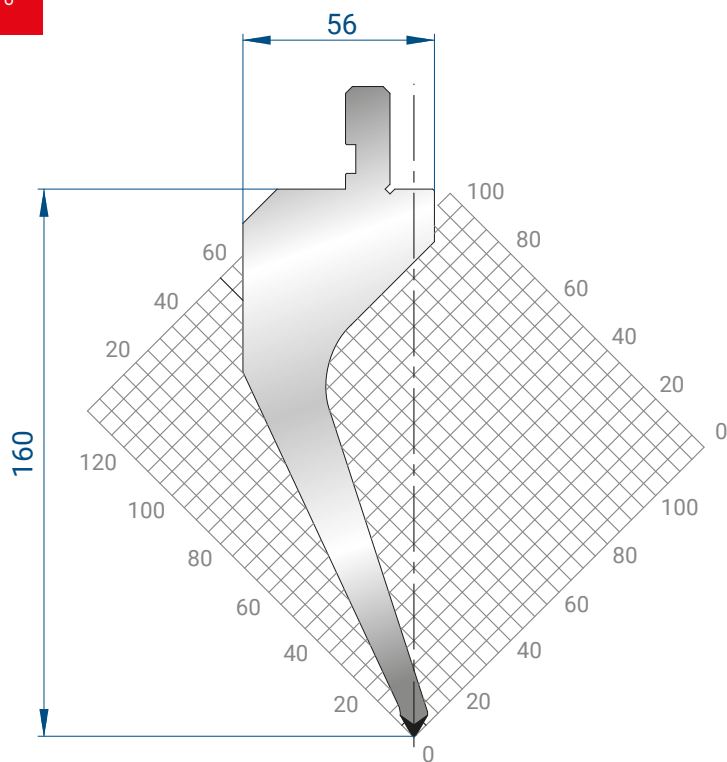
|               |        |
|---------------|--------|
| 835 mm        | 8,8 kg |
| 415 mm        | 4,4 kg |
| 805 mm        | 8,1 kg |
| FRAZ. / SECT. |        |



**1191**

**Mat** = C45  
**H** = 115.00  
**Max T/m** = 60  
 $\alpha = 60^\circ$   
**R** = 0.8

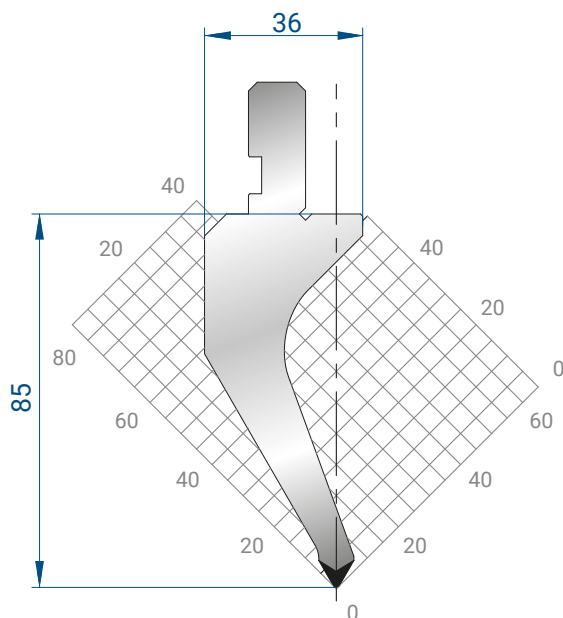
|                         |         |
|-------------------------|---------|
| 835 mm                  | 15,2 kg |
| 415 mm                  | 7,6 kg  |
| 805 mm<br>FRAZ. / SECT. | 14,0 kg |



**1190**

**Mat** = C45  
 bonificato / tempered  
**H** = 160.00  
**Max T/m** = 40  
 $\alpha = 60^\circ$   
**R** = 0.8

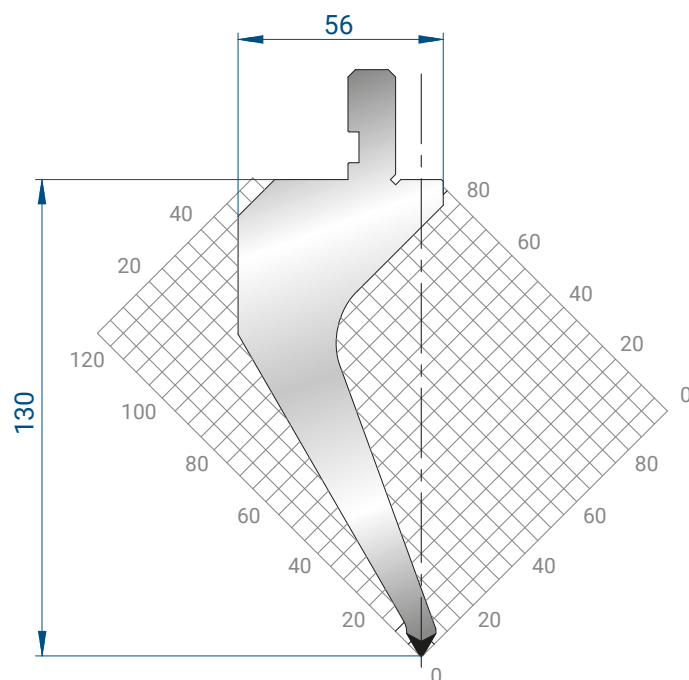
|                         |         |
|-------------------------|---------|
| 835 mm                  | 26,9 kg |
| 415 mm                  | 13,4 kg |
| 805 mm<br>FRAZ. / SECT. | 24,7 kg |



**1162**

**Mat** = 42CrMo4  
 bonificato / tempered  
**H** = 85.00  
**Max T/m** = 40  
 $\alpha = 60^\circ$   
**R** = 0.8

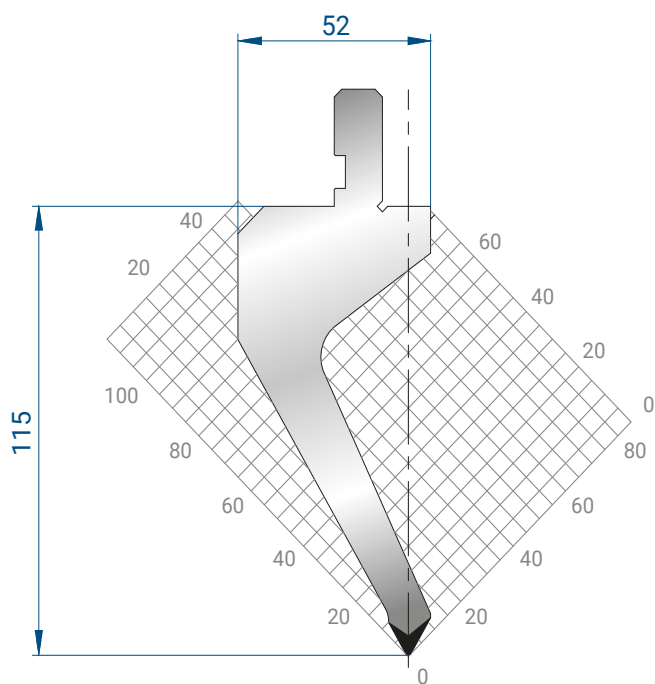
|                         |         |
|-------------------------|---------|
| 835 mm                  | 11,7 kg |
| 415 mm                  | 5,8 kg  |
| 805 mm<br>FRAZ. / SECT. | 10,7 kg |



**1163**

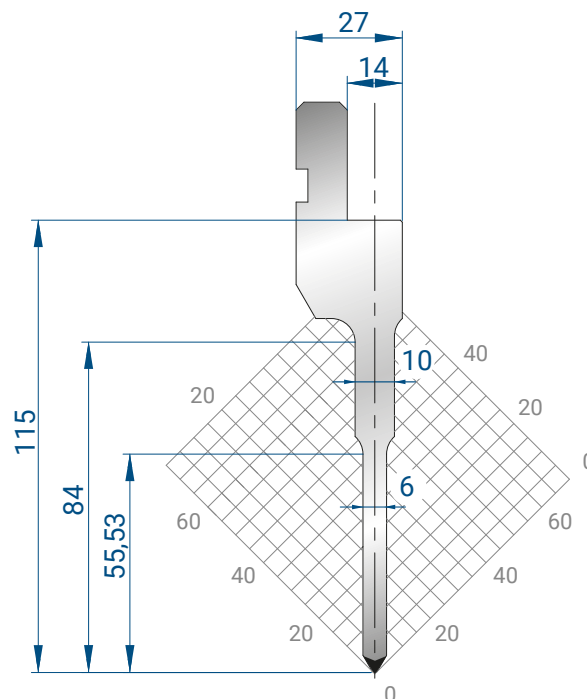
**Mat** = C45  
 bonificato / tempered  
**H** = 130.00  
**Max T/m** = 40  
 $\alpha = 60^\circ$   
**R** = 0.8

|                         |         |
|-------------------------|---------|
| 835 mm                  | 22,3 kg |
| 415 mm                  | 11,1 kg |
| 805 mm<br>FRAZ. / SECT. | 20,5 kg |


**1272**

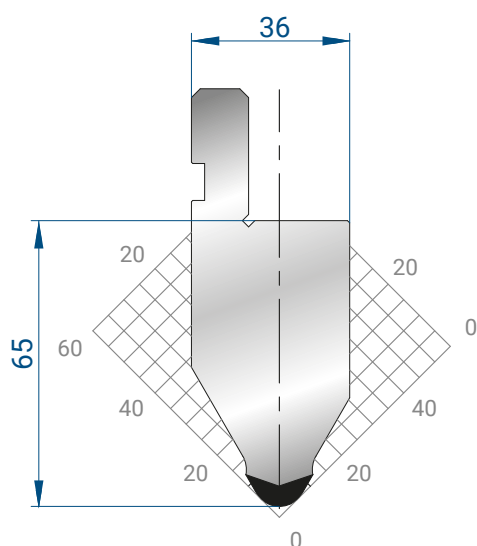
Mat = C45  
bonificato / tempered  
H = 115.00  
Max T/m = 40  
 $\alpha = 60^\circ$   
R = 0.8

|                         |         |
|-------------------------|---------|
| 835 mm                  | 19,2 kg |
| 415 mm                  | 9,6 kg  |
| 805 mm<br>FRAZ. / SECT. | 17,7 kg |


**1271**

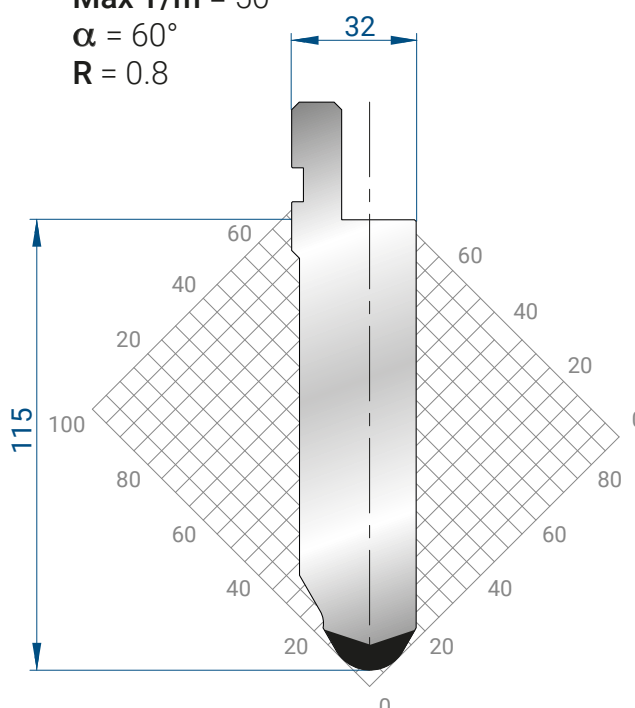
Mat = C45  
bonificato / tempered  
H = 115.00  
Max T/m = 50  
 $\alpha = 60^\circ$   
R = 0.8

|                         |         |
|-------------------------|---------|
| 835 mm                  | 11,0 kg |
| 415 mm                  | 5,5 kg  |
| 805 mm<br>FRAZ. / SECT. | 10,1 kg |


**1032**

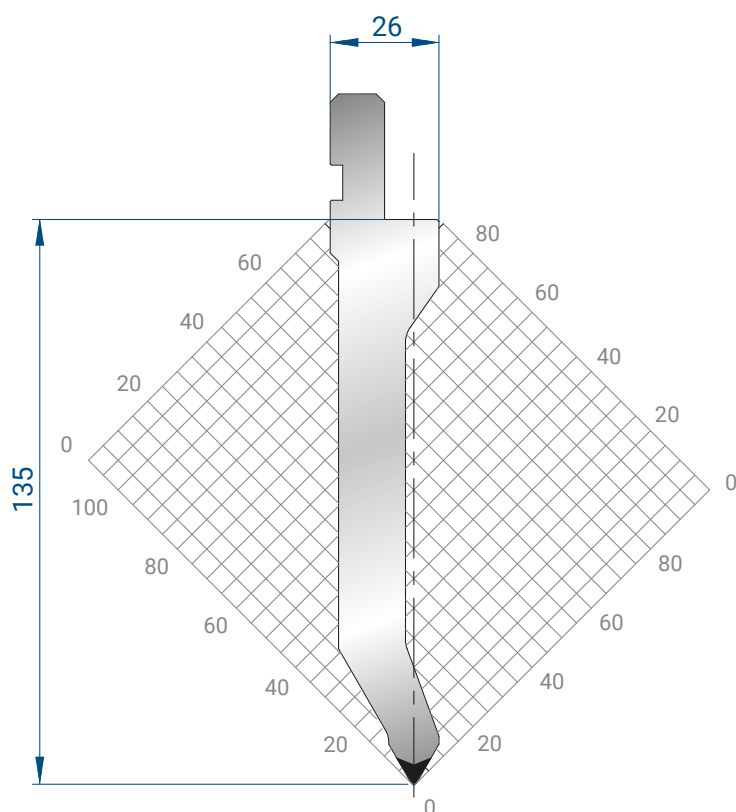
Mat = C45  
H = 65.00  
Max T/m = 120  
 $\alpha = 60^\circ$   
R = 6

|                         |         |
|-------------------------|---------|
| 835 mm                  | 14,8 kg |
| 415 mm                  | 7,3 kg  |
| 805 mm<br>FRAZ. / SECT. | 13,6 kg |


**1283**

Mat = C45  
H = 115.00  
Max T/m = 150  
 $\alpha = 60^\circ$   
R = 10

|                         |         |
|-------------------------|---------|
| 835 mm                  | 23,8 kg |
| 415 mm                  | 11,8 kg |
| 805 mm<br>FRAZ. / SECT. | 21,9 kg |



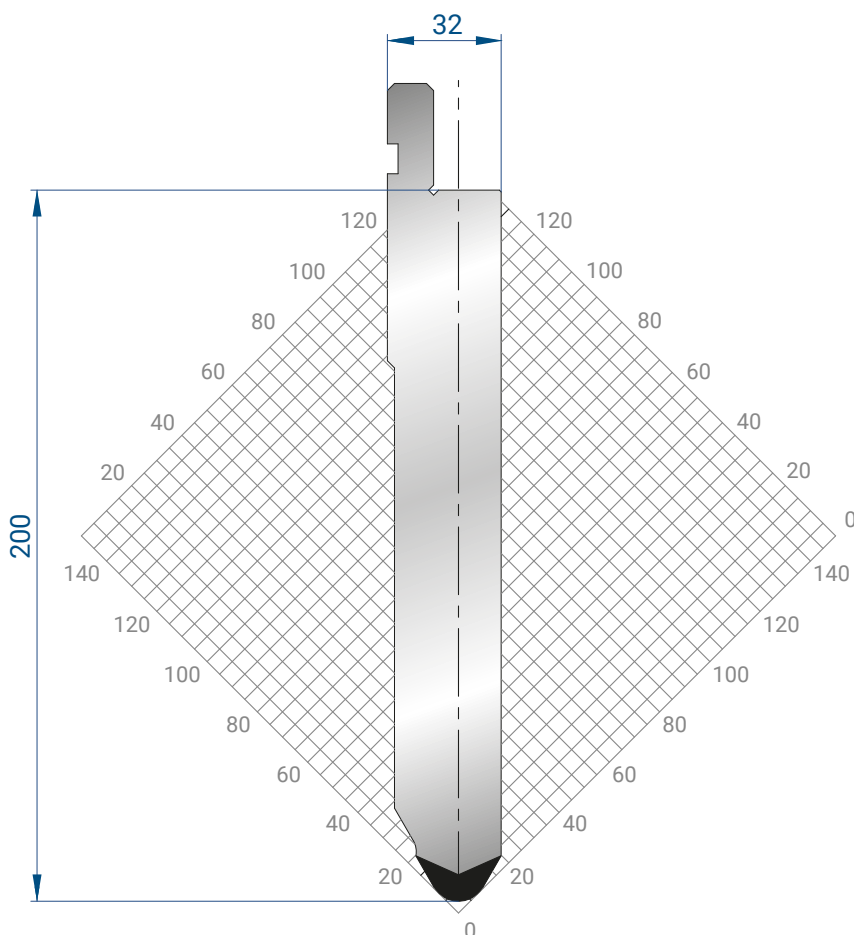
**1284**

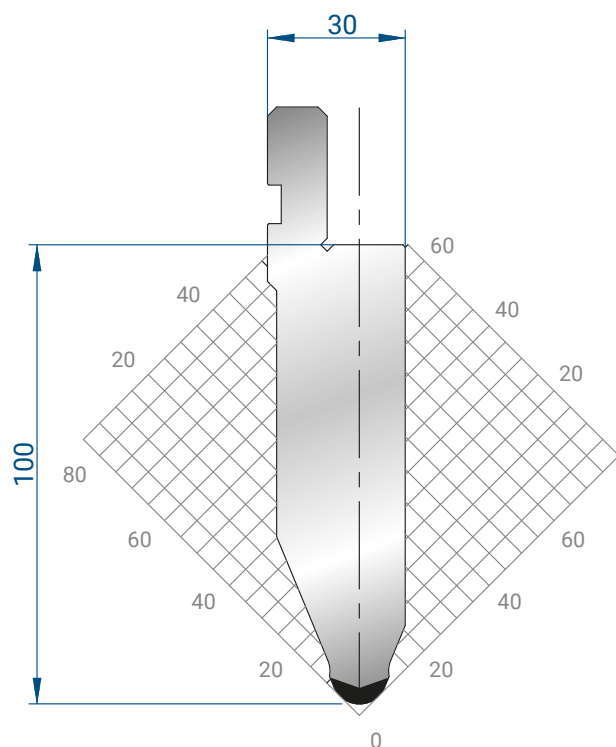
Mat = C45  
H = 135.00  
Max T/m = 70  
 $\alpha = 60^\circ$   
R = 0.8

|               |         |
|---------------|---------|
| 835 mm        | 16,8 kg |
| 415 mm        | 8,4 kg  |
| 805 mm        | 15,5 kg |
| FRAZ. / SECT. |         |

|               |         |
|---------------|---------|
| 835 mm        | 40,7 kg |
| 415 mm        | 20,2 kg |
| 805 mm        | 37,4 kg |
| FRAZ. / SECT. |         |

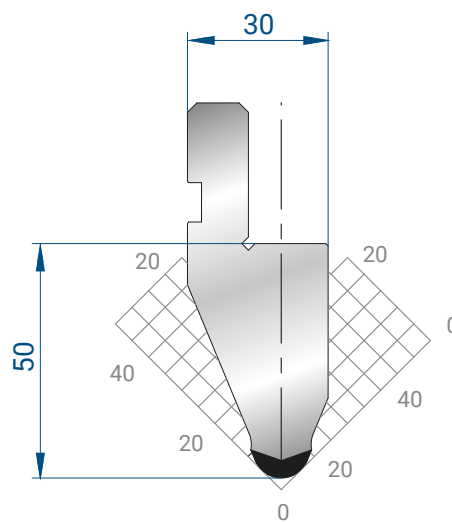
**1293**  
Mat = C45  
H = 200.00  
Max T/m = 150  
 $\alpha = 60^\circ$   
R = 8




**1053**

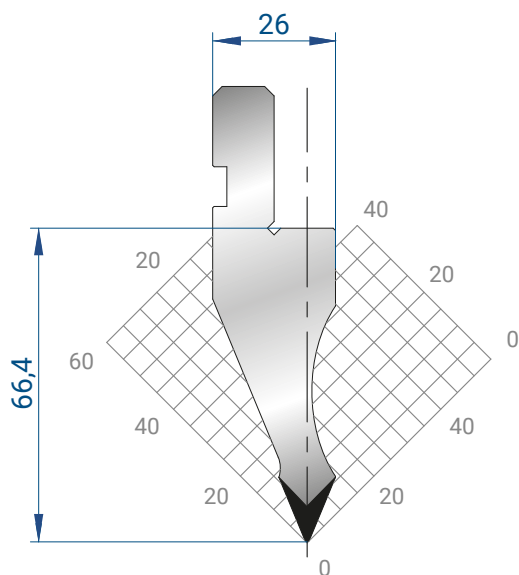
Mat = C45  
H = 100.00  
Max T/m = 100  
 $\alpha = 45^\circ$   
R = 6

|               |         |
|---------------|---------|
| 835 mm        | 18,7 kg |
| 415 mm        | 9,3 kg  |
| 805 mm        | 17,2 kg |
| FRAZ. / SECT. |         |


**1054**

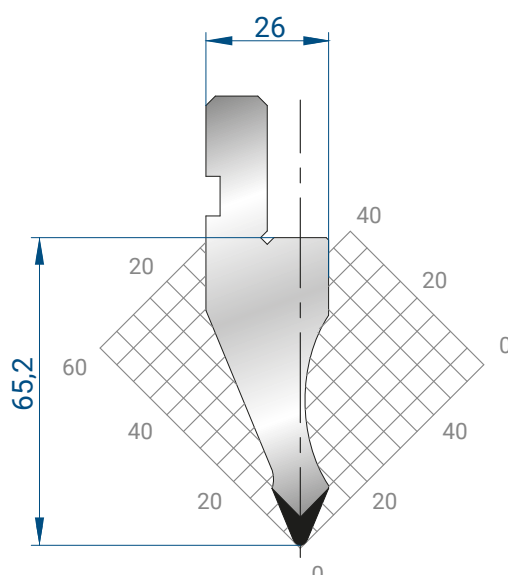
Mat = C45  
H = 50.00  
Max T/m = 100  
 $\alpha = 45^\circ$   
R = 6

|               |        |
|---------------|--------|
| 835 mm        | 9,5 kg |
| 415 mm        | 4,7 kg |
| 805 mm        | 8,8 kg |
| FRAZ. / SECT. |        |


**1024**

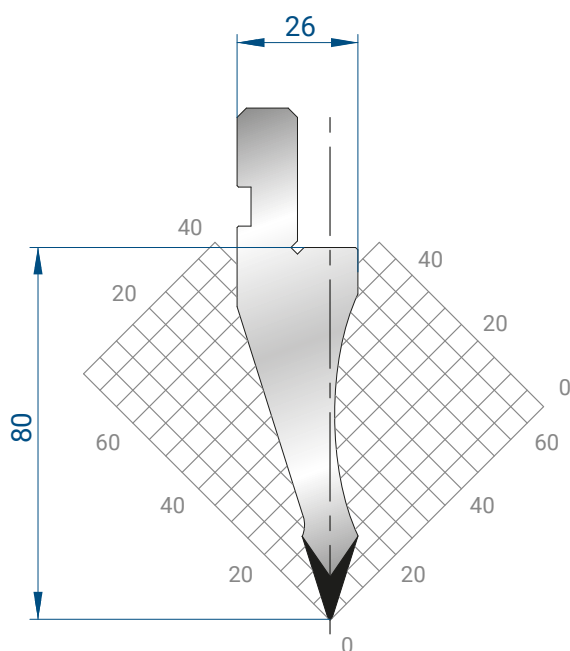
Mat = C45  
H = 66.40  
Max T/m = 80  
 $\alpha = 45^\circ$   
R = 0.5

|               |        |
|---------------|--------|
| 835 mm        | 9,2 kg |
| 415 mm        | 4,6 kg |
| 805 mm        | 8,4 kg |
| FRAZ. / SECT. |        |


**1025**

Mat = C45  
H = 65.20  
Max T/m = 80  
 $\alpha = 45^\circ$   
R = 1.5

|               |        |
|---------------|--------|
| 835 mm        | 9,2 kg |
| 415 mm        | 4,6 kg |
| 805 mm        | 8,5 kg |
| FRAZ. / SECT. |        |



**1035**

**Mat** = C45

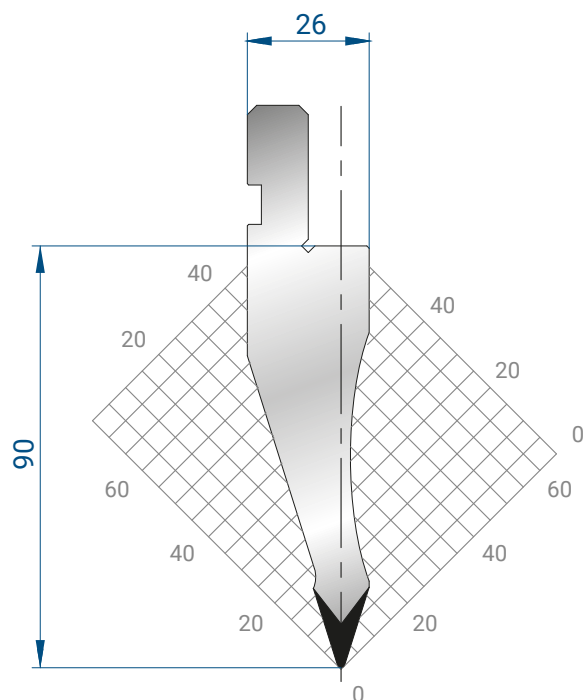
**H** = 80.00

**Max T/m** = 70

**α** = 35°

**R** = 0.5

|               |         |
|---------------|---------|
| 835 mm        | 10,0 kg |
| 415 mm        | 5,0 kg  |
| 805 mm        | 9,2 kg  |
| FRAZ. / SECT. |         |



**1047**

**Mat** = C45

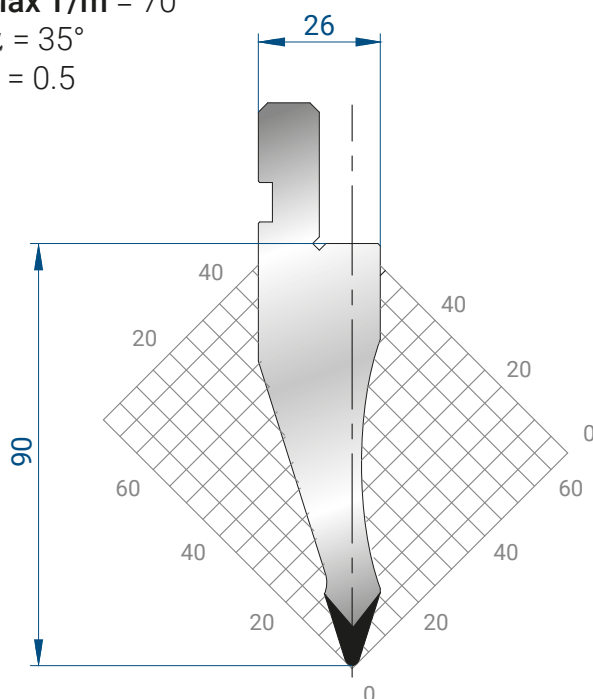
**H** = 90.00

**Max T/m** = 70

**α** = 35°

**R** = 0.8

|               |         |
|---------------|---------|
| 835 mm        | 12,0 kg |
| 415 mm        | 6,0 kg  |
| 805 mm        | 11,1 kg |
| FRAZ. / SECT. |         |



**1282**

**Mat** = C45

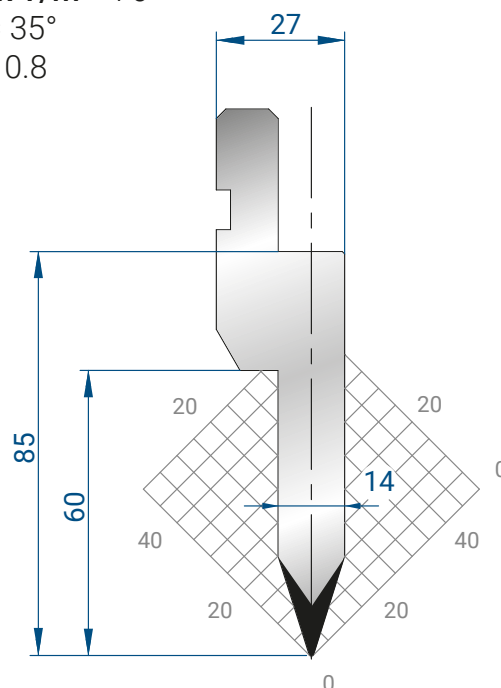
**H** = 90.00

**Max T/m** = 70

**α** = 35°

**R** = 1.5

|               |         |
|---------------|---------|
| 835 mm        | 12,3 kg |
| 415 mm        | 6,1 kg  |
| 805 mm        | 11,3 kg |
| FRAZ. / SECT. |         |



**1034**

**Mat** = C45

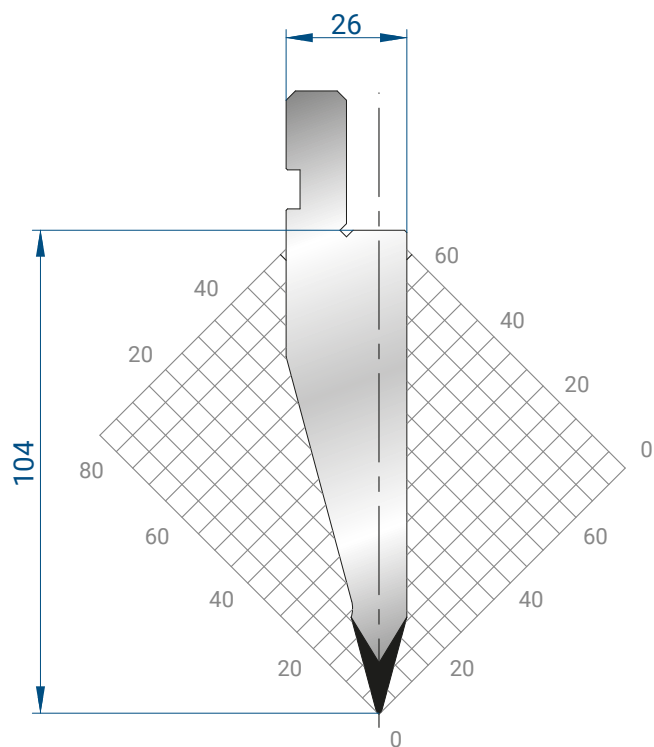
**H** = 85.00

**Max T/m** = 100

**α** = 35°

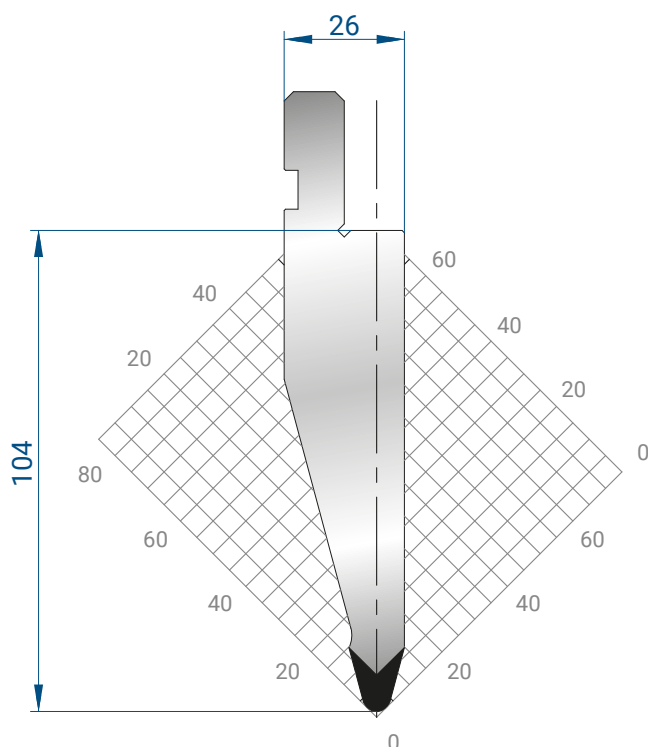
**P** = 0.8

|               |         |
|---------------|---------|
| 835 mm        | 11,1 kg |
| 415 mm        | 5,6 kg  |
| 805 mm        | 10,3 kg |
| FRAZ. / SECT. |         |


**1193**

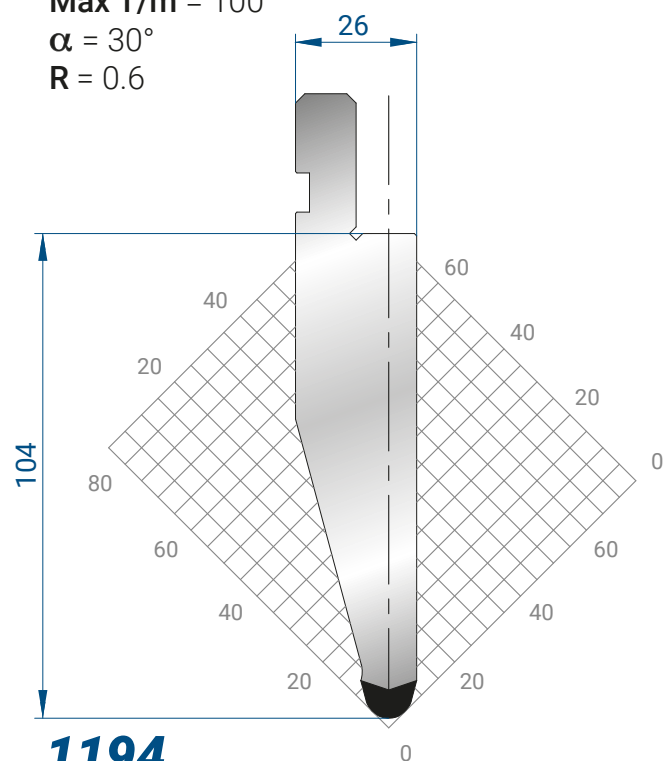
Mat = C45  
H = 104.00  
Max T/m = 100  
 $\alpha = 30^\circ$   
R = 0.6

|                         |         |
|-------------------------|---------|
| 835 mm                  | 14,6 kg |
| 415 mm                  | 7,3 kg  |
| 805 mm<br>FRAZ. / SECT. | 13,4 kg |


**1289**

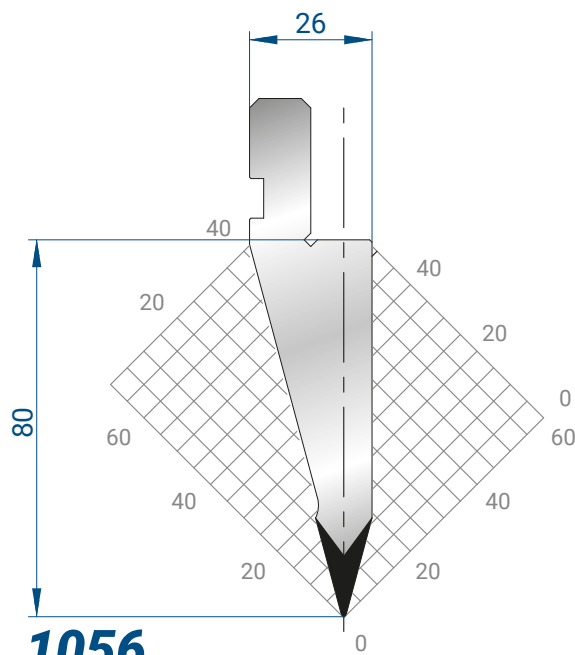
Mat = C45  
H = 104.00  
Max T/m = 100  
 $\alpha = 30^\circ$   
R = 3

|                         |         |
|-------------------------|---------|
| 835 mm                  | 15,5 kg |
| 415 mm                  | 7,7 kg  |
| 805 mm<br>FRAZ. / SECT. | 14,2 kg |


**1194**

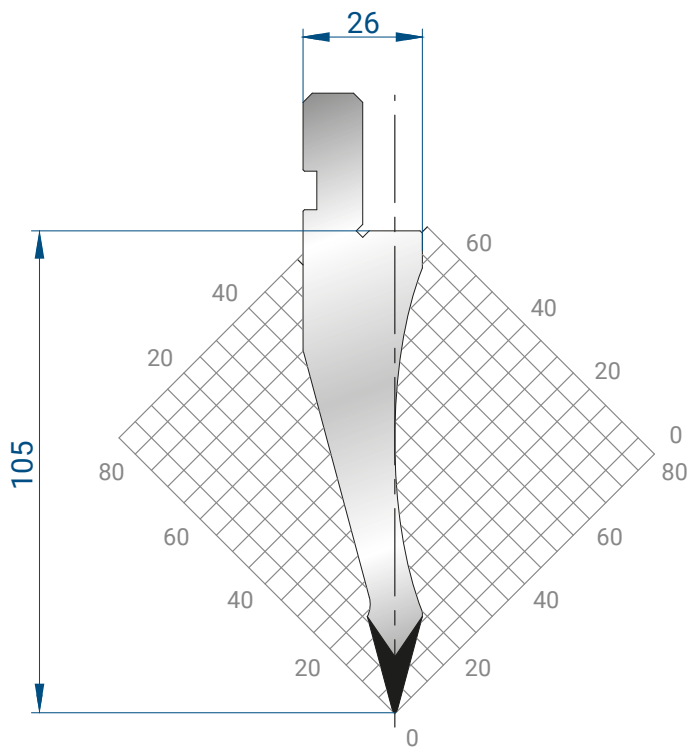
Mat = C45  
H = 104.00  
Max T/m = 100  
 $\alpha = 30^\circ$   
R = 5

|                         |         |
|-------------------------|---------|
| 835 mm                  | 16,4 kg |
| 415 mm                  | 8,1 kg  |
| 805 mm<br>FRAZ. / SECT. | 15,1 kg |


**1056**

Mat = C45  
H = 80.00  
Max T/m = 100  
 $\alpha = 30^\circ$   
R = 0.5

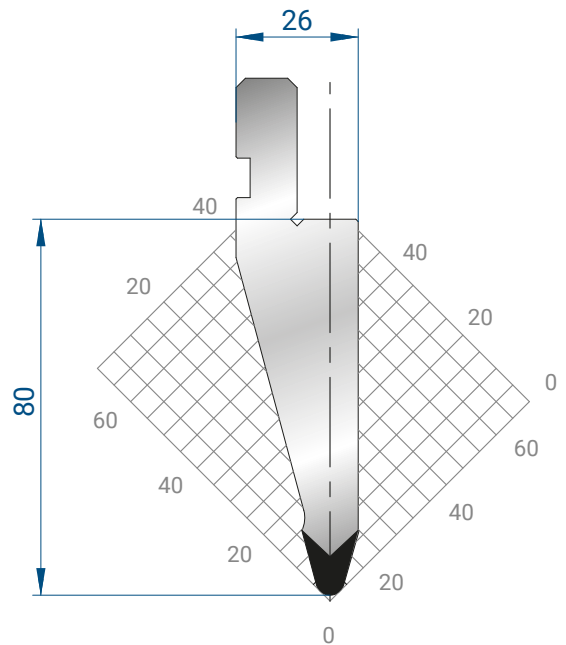
|                         |         |
|-------------------------|---------|
| 835 mm                  | 10,3 kg |
| 415 mm                  | 5,1 kg  |
| 805 mm<br>FRAZ. / SECT. | 9,5 kg  |



## 1055

**Mat** = C45  
**H** = 105.00  
**Max T/m** = 50  
 $\alpha = 30^\circ$   
**R** = 0.5

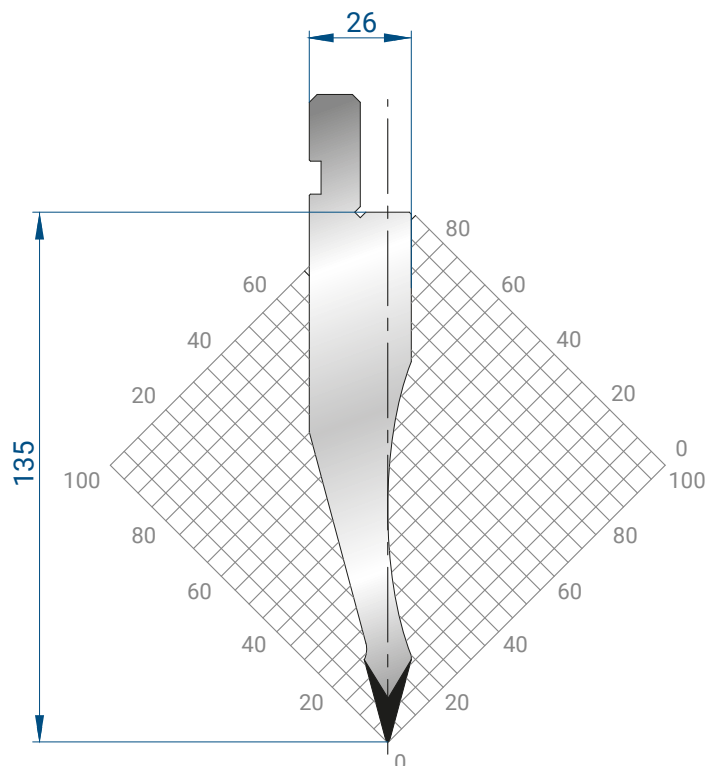
|               |         |
|---------------|---------|
| 835 mm        | 12,6 kg |
| 415 mm        | 6,3 kg  |
| 805 mm        | 11,6 kg |
| FRAZ. / SECT. |         |



## 1057

**Mat** = C45  
**H** = 80.00  
**Max T/m** = 100  
 $\alpha = 30^\circ$   
**R** = 3

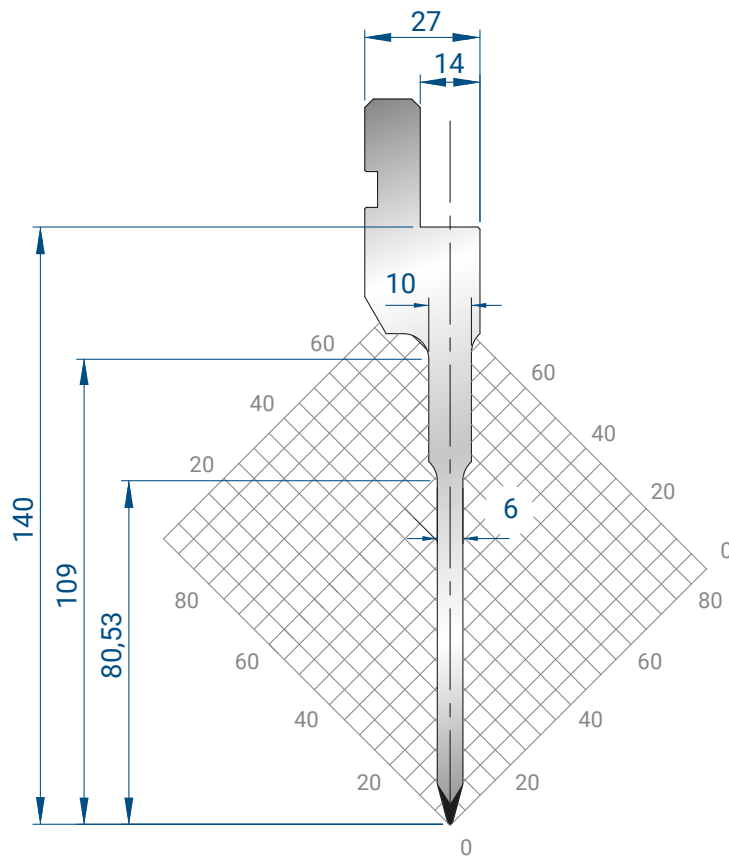
|               |         |
|---------------|---------|
| 835 mm        | 11,4 kg |
| 415 mm        | 5,7 kg  |
| 805 mm        | 10,5 kg |
| FRAZ. / SECT. |         |



## 1052

**Mat** = C45  
**H** = 135.00  
**Max T/m** = 50  
 $\alpha = 30^\circ$   
**R** = 0.5

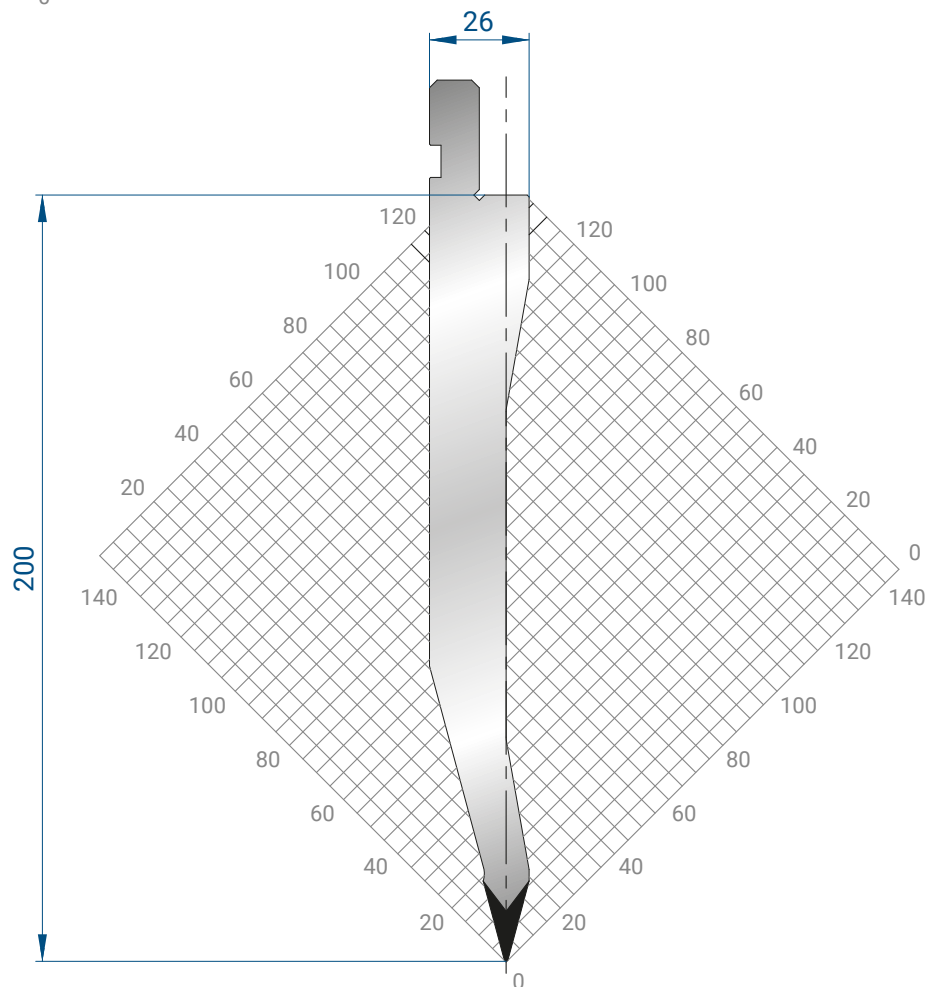
|               |         |
|---------------|---------|
| 835 mm        | 17,0 kg |
| 415 mm        | 8,5 kg  |
| 805 mm        | 15,6 kg |
| FRAZ. / SECT. |         |



**1086**

**Mat** = C45  
 bonificato / *tempered*  
**H** = 140.00  
**Max T/m** = 40  
 $\alpha$  = 30°  
**R** = 0.6

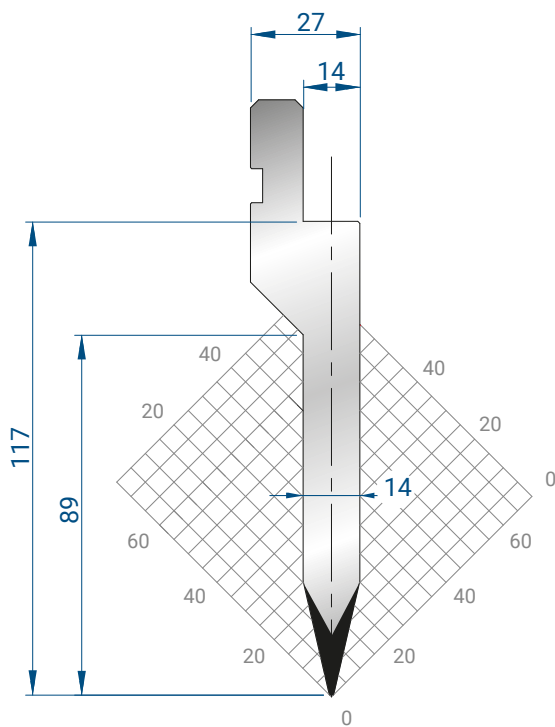
|               |         |
|---------------|---------|
| 835 mm        | 11,9 kg |
| 415 mm        | 5,9 kg  |
| 805 mm        | 10,9 kg |
| FRAZ. / SECT. |         |



**1292**

**Mat** = C45  
**H** = 200.00  
**Max T/m** = 50  
 $\alpha$  = 30°  
**R** = 0.5

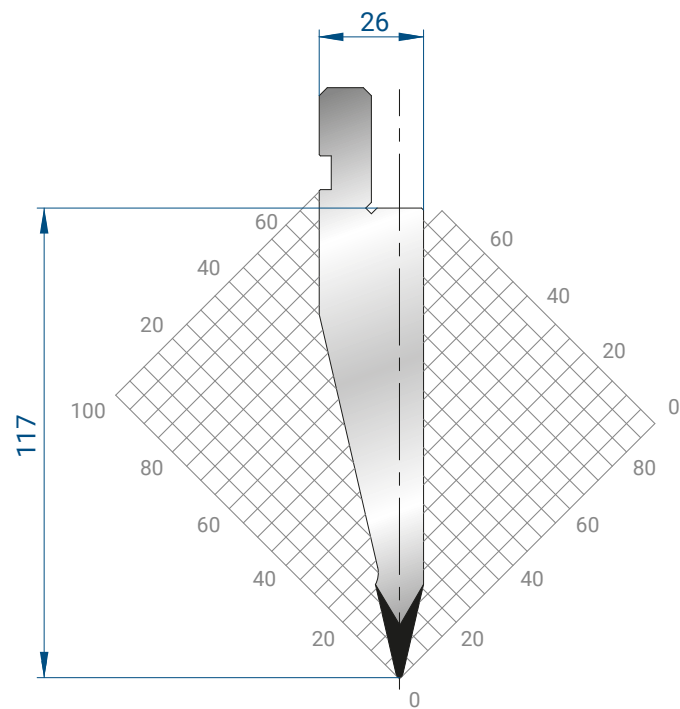
|               |         |
|---------------|---------|
| 835 mm        | 25,2 kg |
| 415 mm        | 12,5 kg |
| 805 mm        | 23,1 kg |
| FRAZ. / SECT. |         |



**1033**

Mat = C45  
H = 117.00  
Max T/m = 100  
 $\alpha = 26^\circ$   
P = 1

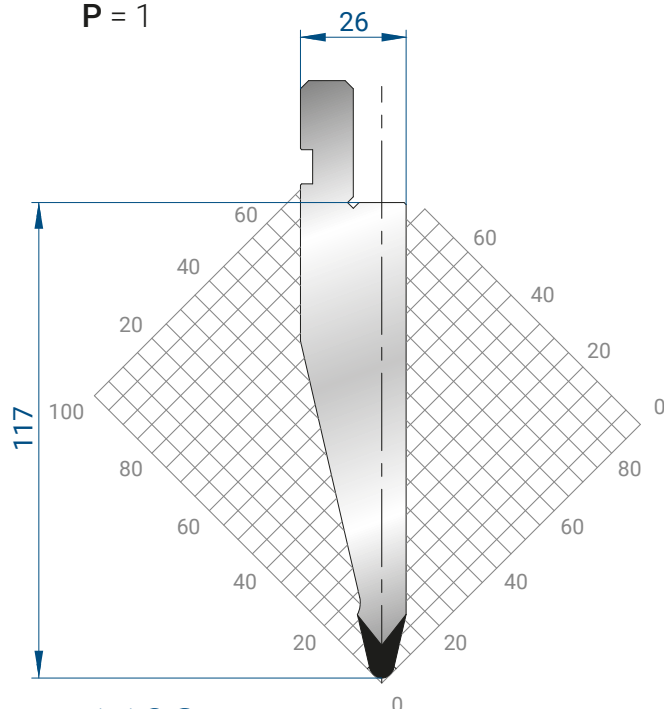
|               |         |
|---------------|---------|
| 835 mm        | 13,7 kg |
| 415 mm        | 6,8 kg  |
| 805 mm        | 12,6 kg |
| FRAZ. / SECT. |         |



**1178**

Mat = C45  
H = 117.00  
Max T/m = 100  
 $\alpha = 26^\circ$   
R = 0.8

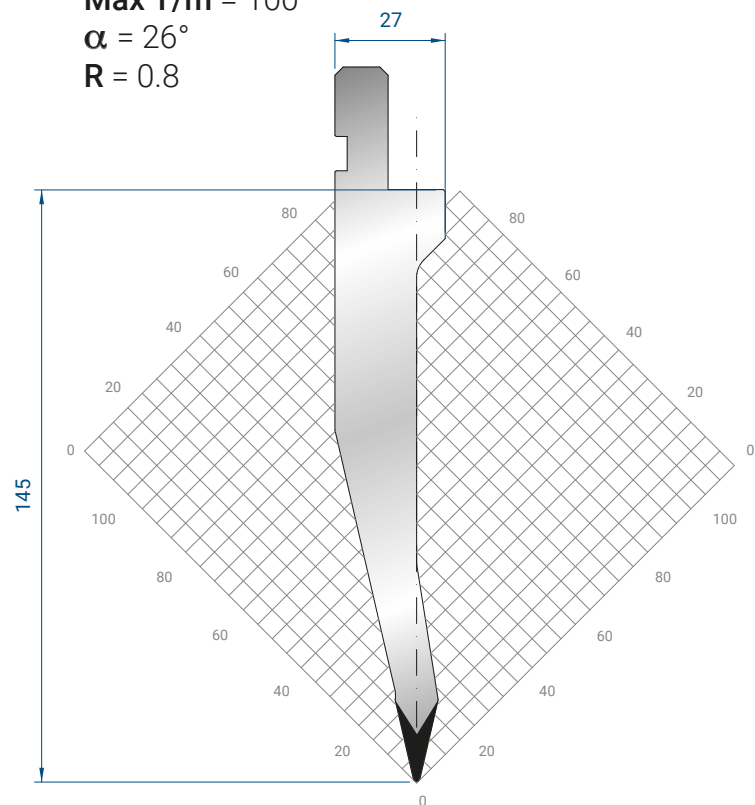
|               |         |
|---------------|---------|
| 835 mm        | 15,9 kg |
| 415 mm        | 7,9 kg  |
| 805 mm        | 14,6 kg |
| FRAZ. / SECT. |         |



**1192**

Mat = C45  
H = 117.00  
Max T/m = 100  
 $\alpha = 26^\circ$   
R = 3

|               |         |
|---------------|---------|
| 835 mm        | 17,0 kg |
| 415 mm        | 8,5 kg  |
| 805 mm        | 15,6 kg |
| FRAZ. / SECT. |         |



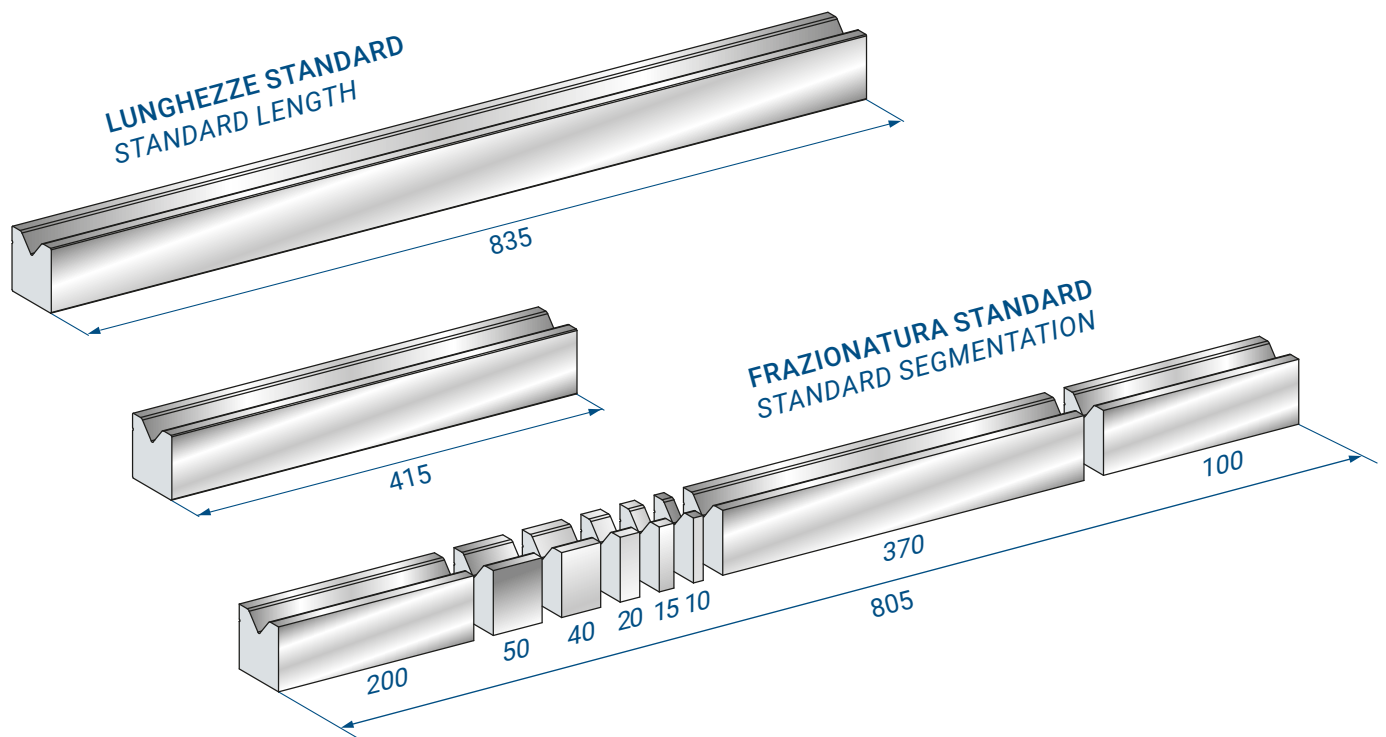
**1311**

Mat = 42CrMo4 bonificato / tempered  
H = 145.00  
Max T/m = 100  
 $\alpha = 26^\circ$   
R = 0.8

|               |         |
|---------------|---------|
| 835 mm        | 16,8 kg |
| 415 mm        | 8,3 kg  |
| 805 mm        | 15,3 kg |
| FRAZ. / SECT. |         |



**VEDI PAG. 16 PER SCHEMA FRAZIONATURA PUNZONI**  
**SEE PAGE 16 FOR PUNCHES SEGMENTATION DIAGRAM**



**TEMPRATO AD INDUZIONE**  
**INDUCTION HARDENED**



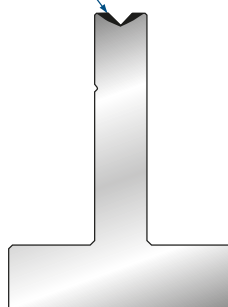
**TEMPRATO AD INDUZIONE**  
**INDUCTION HARDENED**



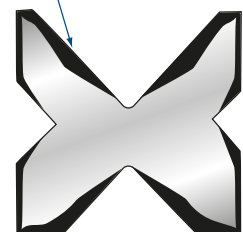
**TEMPRATO AD INDUZIONE**  
**INDUCTION HARDENED**



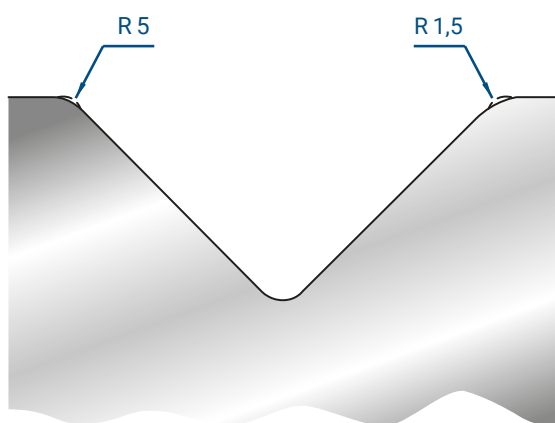
**TEMPRATO AD INDUZIONE**  
**INDUCTION HARDENED**



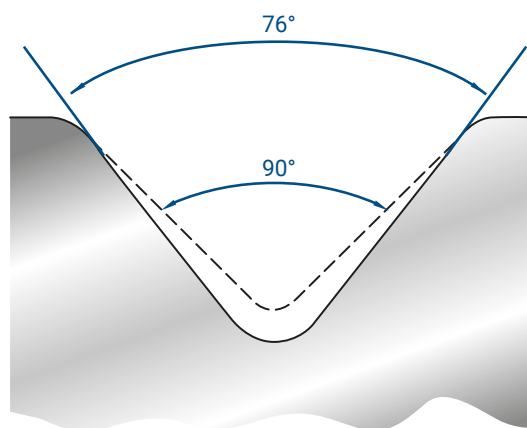
**TEMPRATO AD INDUZIONE**  
**INDUCTION HARDENED**



**TAGLI A RICHIESTA**  
**SPECIAL SEGMENTATION**

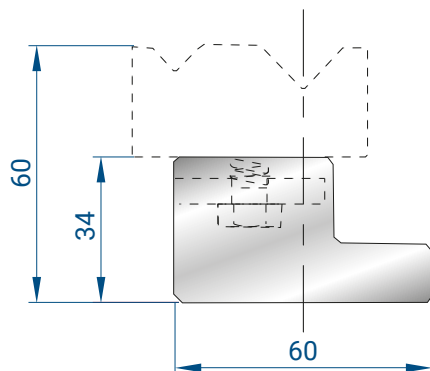


**MODIFICA RAGGIO**  
**RADIUS MODIFICATION**



**MODIFICA ANGOLO**  
**ANGLE MODIFICATION**

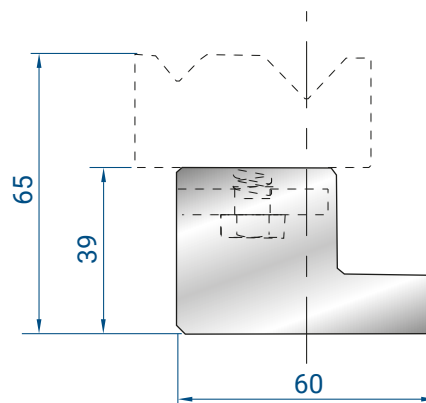




**2018**

Mat = C45

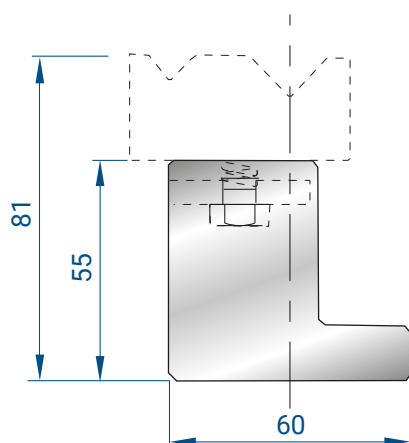
|        |        |
|--------|--------|
| 830 mm | 9,3 kg |
| 410 mm | 4,6 kg |



**2039**

Mat = C45

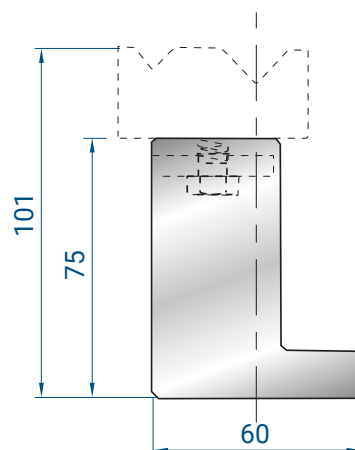
|        |         |
|--------|---------|
| 830 mm | 10,4 kg |
| 410 mm | 5,1 kg  |



**2019**

Mat = C45

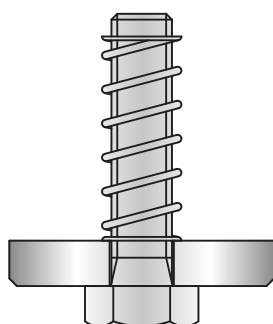
|        |         |
|--------|---------|
| 830 mm | 13,2 kg |
| 410 mm | 6,5 kg  |



**2035**

Mat = C45

|        |         |
|--------|---------|
| 830 mm | 18,0 kg |
| 410 mm | 8,9 kg  |



**4277**

**MOLLA + RONDELLA + VITE**  
**SPRING + WASHER + SCREW**

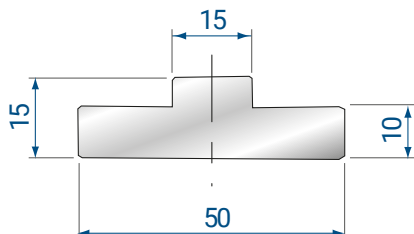
# SUPPORTI PER MATRICI AUTOCENTRANTI DIE HOLDERS FOR SELF CENTERING DIES

## SUPPORTI PER MATRICI AUTOCENTRANTI DIE HOLDERS FOR SELF-CENTERING DIES

DEVE ESSERE INSTALLATO  
SUI SUPPORTI MODELLO:

MUST BE INSTALLED ON  
SUPPORT MODEL:

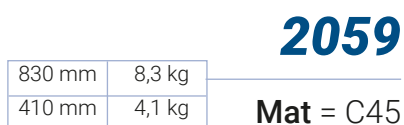
2018 - 2019 - 2035 - 2039



### 2058

Mat = C45

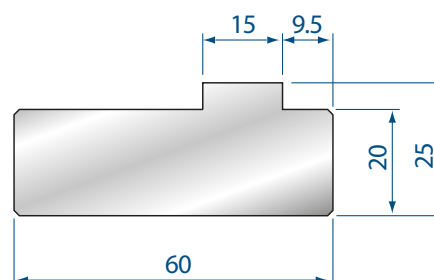
|        |        |
|--------|--------|
| 830 mm | 3,7 kg |
| 410 mm | 1,8 kg |



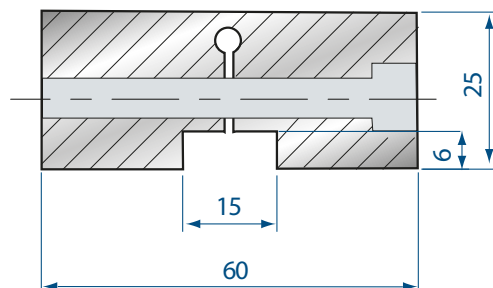
### 2059

Mat = C45

|        |        |
|--------|--------|
| 830 mm | 8,3 kg |
| 410 mm | 4,1 kg |



## FERMO PER MATRICI AUTOCENTRANTI FIXED BAR FOR SELF-CENTERING DIES

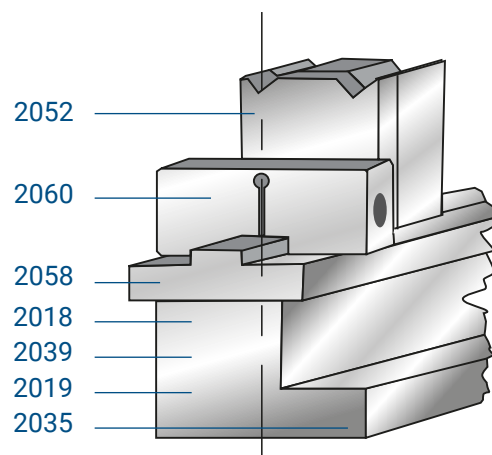


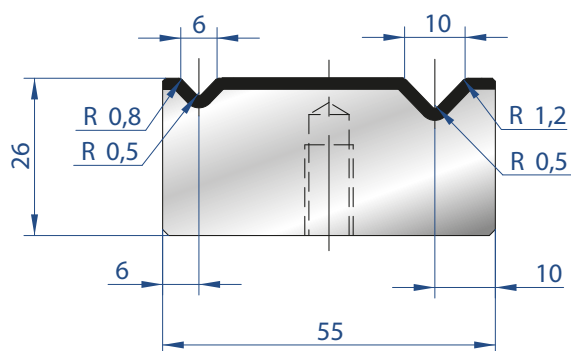
### 2060

Mat = C45

|       |        |
|-------|--------|
| 15 mm | 0,2 kg |
|-------|--------|

## ESEMPIO DI MONTAGGIO ASSEMBLY EXAMPLE





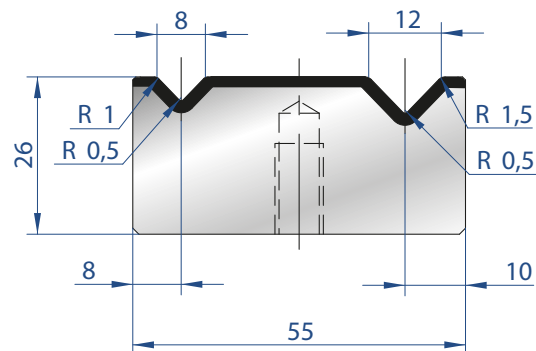
**2046**

Mat = C45

Max T/m = 100

$\alpha = 88^\circ$

|        |        |
|--------|--------|
| 835 mm | 9,1 kg |
| 415 mm | 4,5 kg |



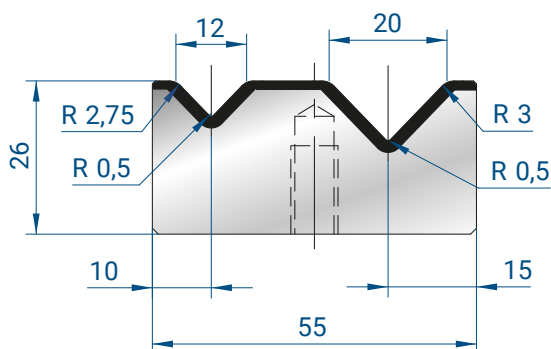
**2041**

Mat = C45

Max T/m = 100

$\alpha = 88^\circ$

|        |        |
|--------|--------|
| 835 mm | 9,0 kg |
| 415 mm | 4,5 kg |



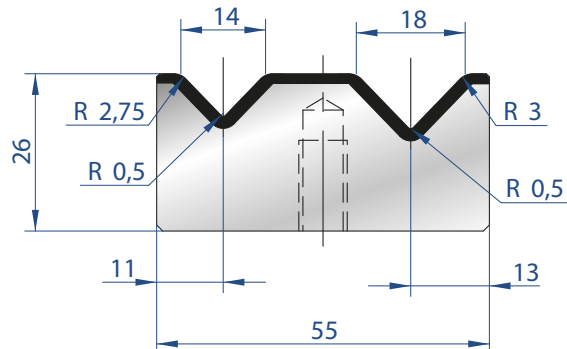
**2013**

Mat = C45

Max T/m = 100

$\alpha = 88^\circ$

|        |        |
|--------|--------|
| 835 mm | 8,4 kg |
| 415 mm | 4,2 kg |



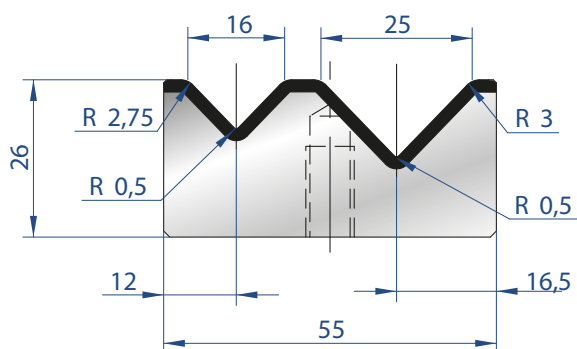
**2032**

Mat = C45

Max T/m = 100

$\alpha = 88^\circ$

|        |        |
|--------|--------|
| 835 mm | 8,4 kg |
| 415 mm | 4,2 kg |



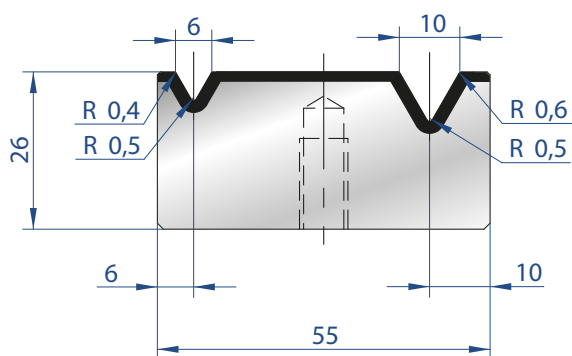
**2014**

Mat = C45

Max T/m = 100

$\alpha = 88^\circ$

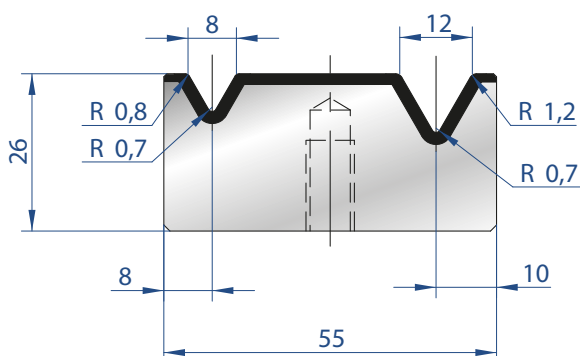
|        |        |
|--------|--------|
| 835 mm | 7,8 kg |
| 415 mm | 3,9 kg |



**2015**

Mat = C45  
Max T/m = 60  
 $\alpha = 60^\circ$

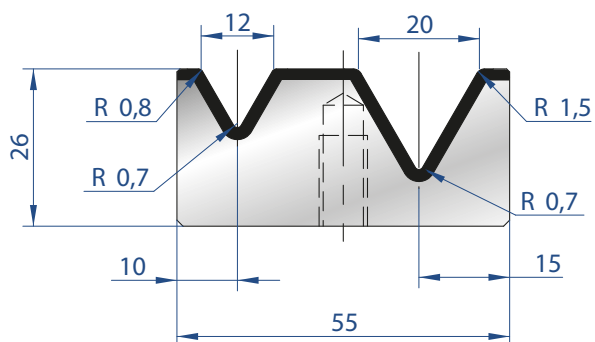
|        |        |
|--------|--------|
| 835 mm | 8,9 kg |
| 415 mm | 4,4 kg |



**2016**

Mat = C45  
Max T/m = 60  
 $\alpha = 60^\circ$

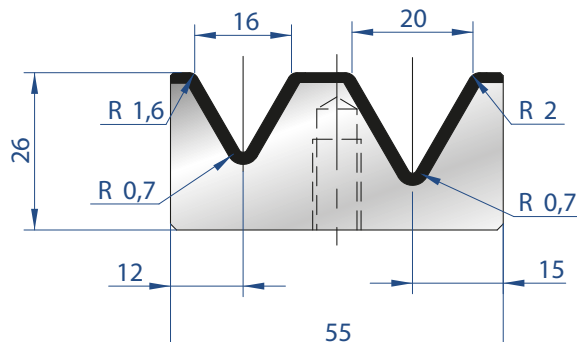
|        |        |
|--------|--------|
| 835 mm | 8,7 kg |
| 415 mm | 4,3 kg |



**2033**

Mat = C45  
Max T/m = 60  
 $\alpha = 60^\circ$

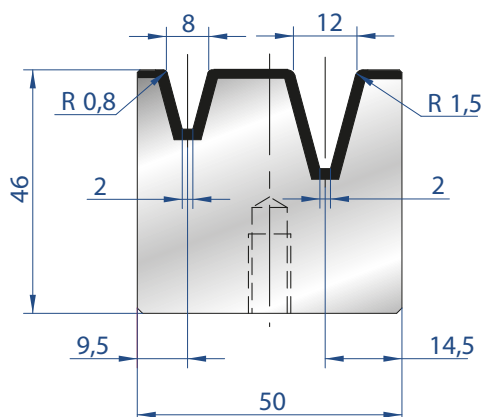
|        |        |
|--------|--------|
| 835 mm | 7,8 kg |
| 415 mm | 3,9 kg |



**2017**

Mat = C45  
Max T/m = 60  
 $\alpha = 60^\circ$

|        |        |
|--------|--------|
| 835 mm | 7,5 kg |
| 415 mm | 3,7 kg |

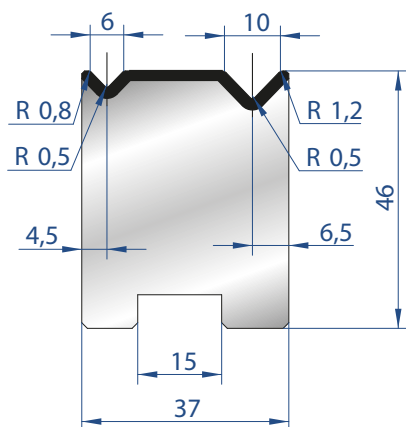


**2047**

Mat = C45  
Max T/m = 40  
 $\alpha = 30^\circ$

|        |         |
|--------|---------|
| 835 mm | 13,8 kg |
| 415 mm | 6,9 kg  |

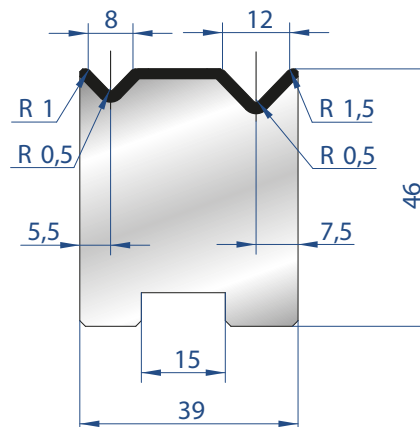
# MATRICI 2V AUTOCENTRANTI - 88° 2V SELF-CENTERING DIES - 88°



**2050**

**Mat = C45**  
**Max T/m = 80**  
 **$\alpha = 88^\circ$**

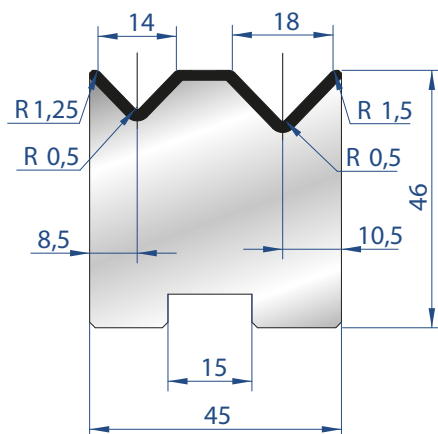
|               |         |
|---------------|---------|
| 835 mm        | 10,3 kg |
| 415 mm        | 5,1 kg  |
| 805 mm        | 9,9 kg  |
| FRAZ. / SECT. |         |



**2052**

**Mat = C45**  
**Max T/m = 80**  
 **$\alpha = 88^\circ$**

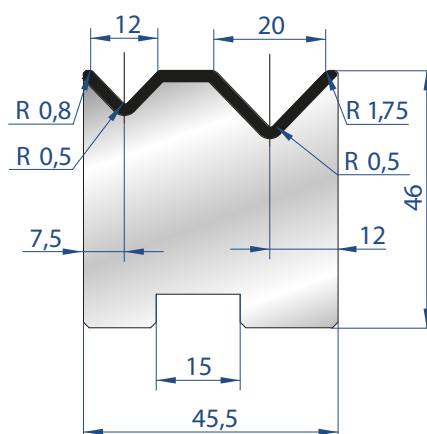
|               |         |
|---------------|---------|
| 835 mm        | 10,8 kg |
| 415 mm        | 5,4 kg  |
| 805 mm        | 10,4 kg |
| FRAZ. / SECT. |         |



**2053**

**Mat = C45**  
**Max T/m = 80**  
 **$\alpha = 88^\circ$**

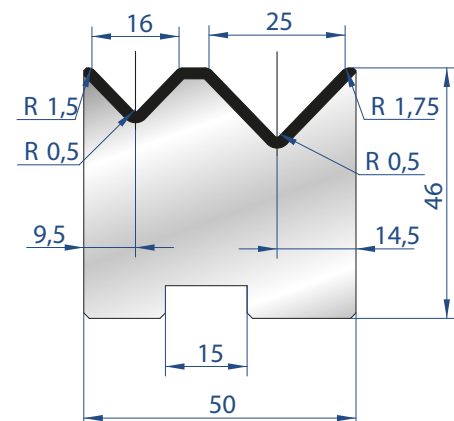
|               |         |
|---------------|---------|
| 835 mm        | 12,1 kg |
| 415 mm        | 6,0 kg  |
| 805 mm        | 11,6 kg |
| FRAZ. / SECT. |         |



**2054**

**Mat = C45**  
**Max T/m = 80**  
 **$\alpha = 88^\circ$**

|               |         |
|---------------|---------|
| 835 mm        | 12,1 kg |
| 415 mm        | 6,0 kg  |
| 805 mm        | 11,7 kg |
| FRAZ. / SECT. |         |

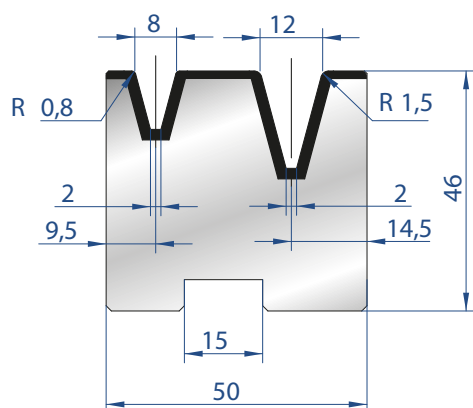


**2055**

**Mat = C45**  
**Max T/m = 80**  
 **$\alpha = 88^\circ$**

|               |         |
|---------------|---------|
| 835 mm        | 13,0 kg |
| 415 mm        | 6,4 kg  |
| 805 mm        | 12,5 kg |
| FRAZ. / SECT. |         |

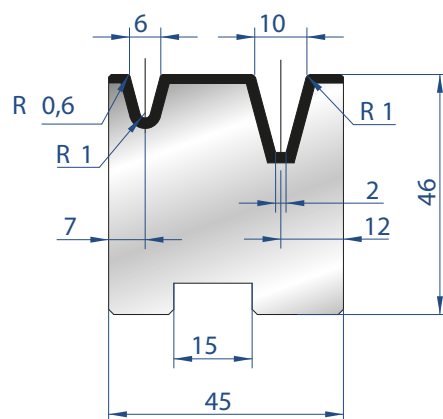
## MATRICI 2V AUTOCENTRANTI - 30° 2V SELF-CENTERING DIES - 30°



**2056**

Mat = C45  
Max T/m = 40  
 $\alpha = 30^\circ$

|                         |         |
|-------------------------|---------|
| 835 mm                  | 13,2 kg |
| 415 mm                  | 6,6 kg  |
| 805 mm<br>FRAZ. / SECT. | 12,7 kg |

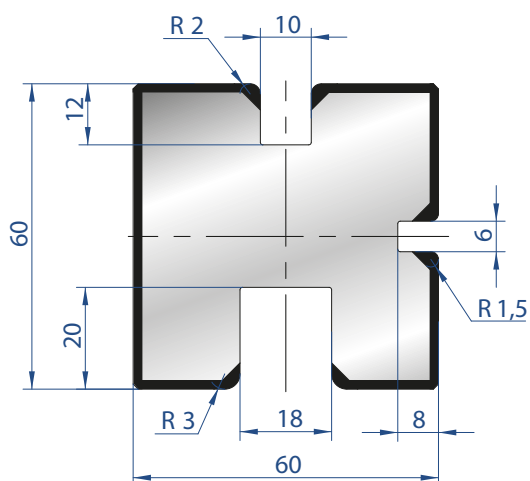


**2057**

Mat = C45  
Max T/m = 40  
 $\alpha = 30^\circ$

|                         |         |
|-------------------------|---------|
| 835 mm                  | 12,1 kg |
| 415 mm                  | 6,0 kg  |
| 805 mm<br>FRAZ. / SECT. | 11,7 kg |

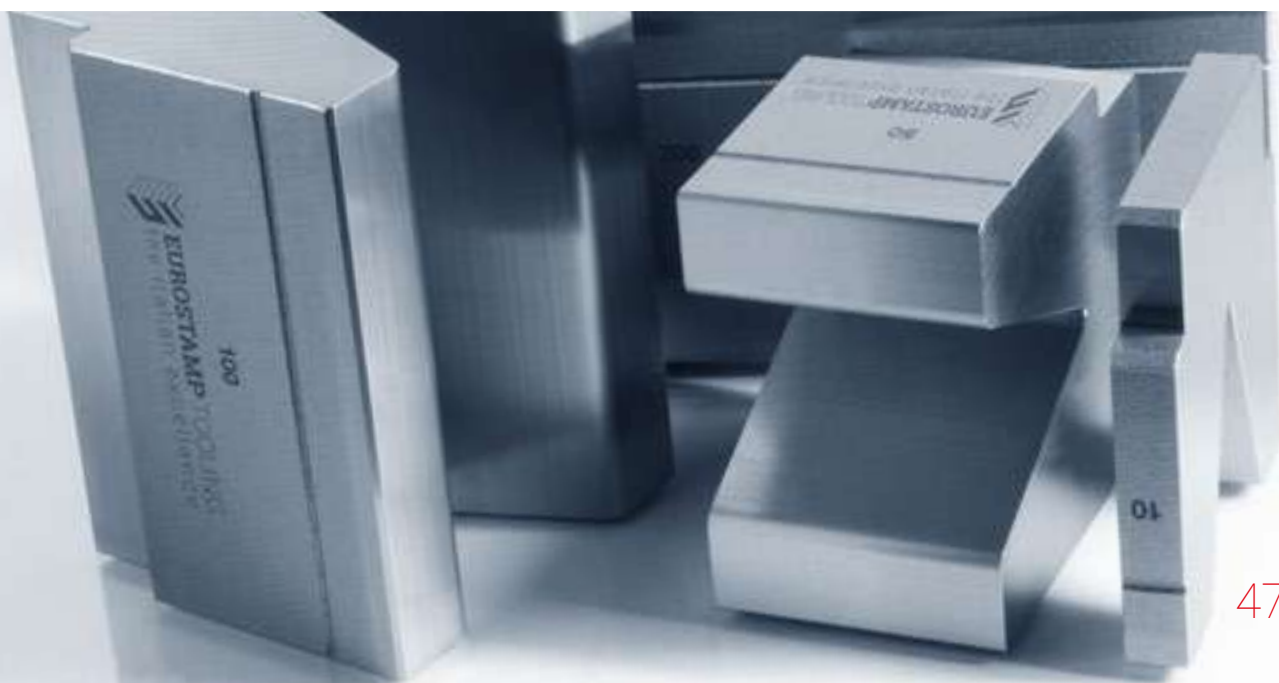
## MATRICI 3U / 3U DIES

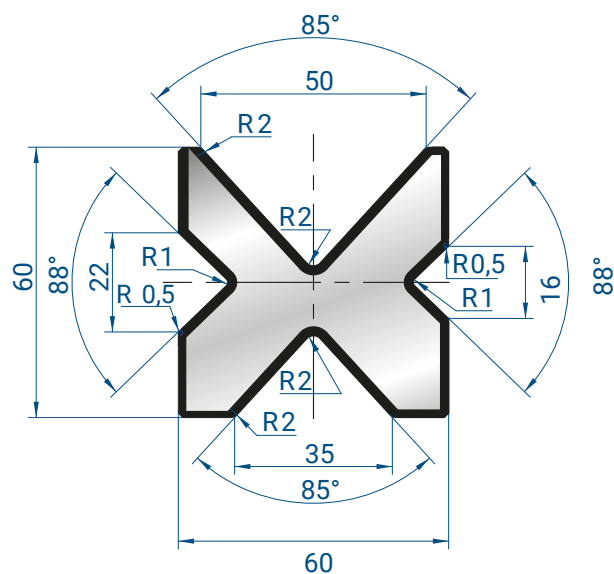


**2031**

Mat = C45  
Max T/m = 100

|                         |         |
|-------------------------|---------|
| 835 mm                  | 20,0 kg |
| 415 mm                  | 10,0 kg |
| 805 mm<br>FRAZ. / SECT. | 19,3 kg |

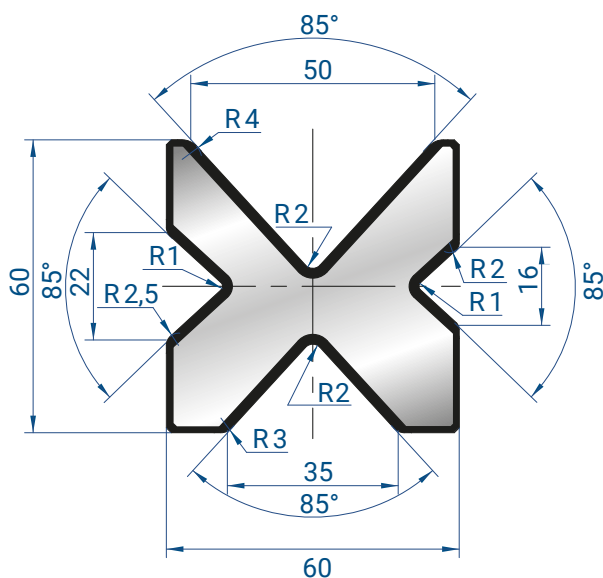




## 2030

Mat = C45  
Max T/m = 80  
 $\alpha = 85^\circ - 88^\circ$

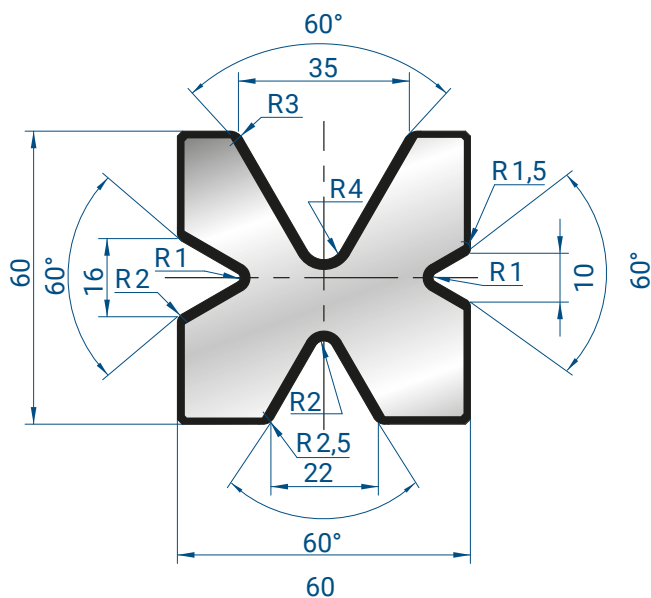
|               |         |
|---------------|---------|
| 835 mm        | 15,7 kg |
| 415 mm        | 7,8 kg  |
| 805 mm        | 15,1 kg |
| FRAZ. / SECT. |         |



## 2067

Mat = C45  
Max T/m = 80  
 $\alpha = 85^\circ$

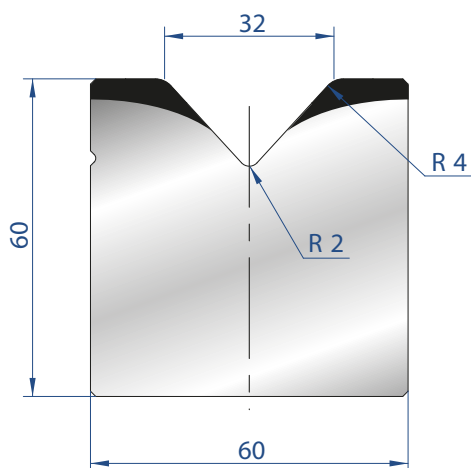
|               |         |
|---------------|---------|
| 835 mm        | 15,6 kg |
| 415 mm        | 7,7 kg  |
| 805 mm        | 15,0 kg |
| FRAZ. / SECT. |         |



## 2034

Mat = C45  
Max T/m = 60  
 $\alpha = 60^\circ$

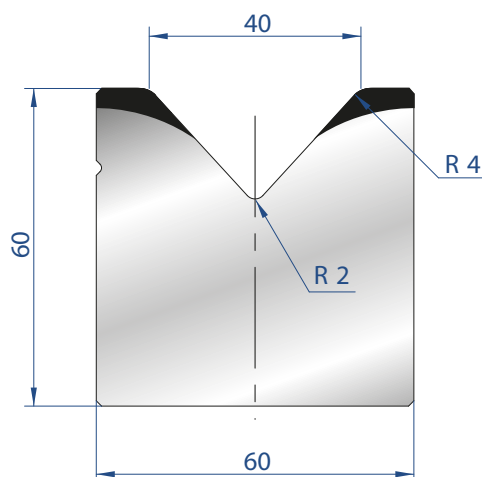
|               |         |
|---------------|---------|
| 835 mm        | 17,8 kg |
| 415 mm        | 8,8 kg  |
| 805 mm        | 17,1 kg |
| FRAZ. / SECT. |         |



**2020**

Mat = C45  
Max T/m = 100  
 $\alpha = 85^\circ$

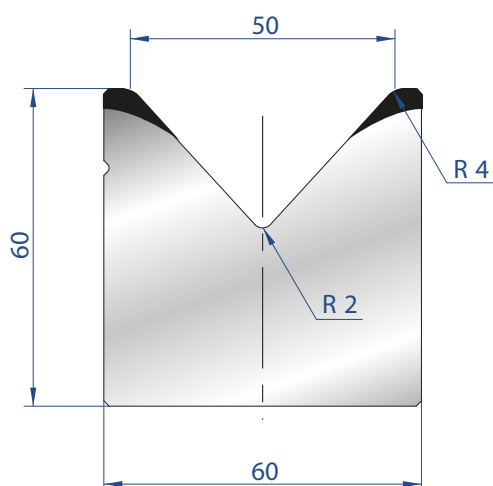
|               |         |
|---------------|---------|
| 835 mm        | 21,7 kg |
| 415 mm        | 10,8 kg |
| 805 mm        | 20,9 kg |
| FRAZ. / SECT. |         |



**2021**

Mat = C45  
Max T/m = 100  
 $\alpha = 85^\circ$

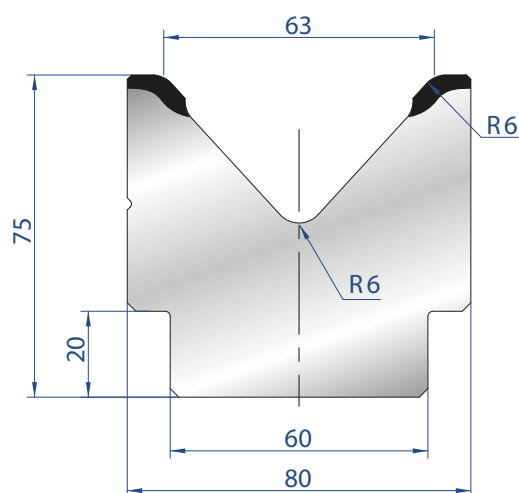
|               |         |
|---------------|---------|
| 835 mm        | 20,7 kg |
| 415 mm        | 10,3 kg |
| 805 mm        | 19,9 kg |
| FRAZ. / SECT. |         |



**2022**

Mat = C45  
Max T/m = 100  
 $\alpha = 85^\circ$

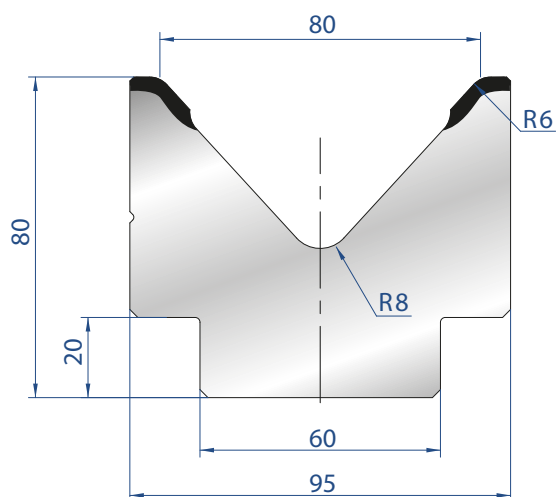
|               |         |
|---------------|---------|
| 835 mm        | 19,1 kg |
| 415 mm        | 9,5 kg  |
| 805 mm        | 18,4 kg |
| FRAZ. / SECT. |         |



**2023**

Mat = C45  
Max T/m = 100  
 $\alpha = 85^\circ$

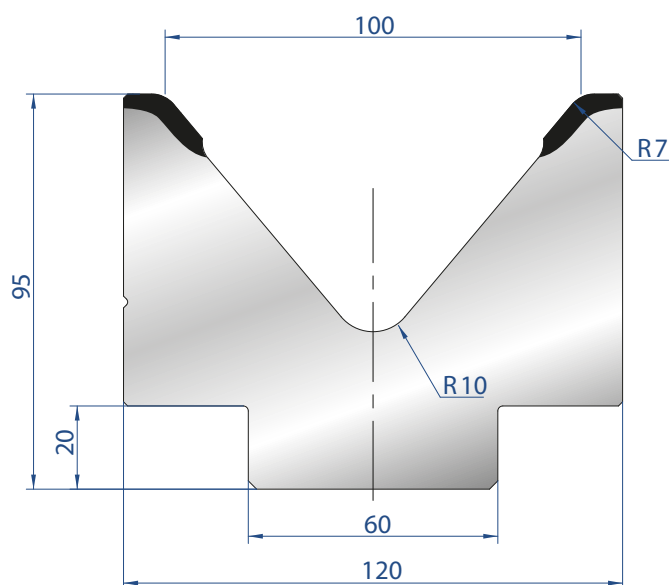
|               |         |
|---------------|---------|
| 835 mm        | 28,5 kg |
| 415 mm        | 14,2 kg |
| 805 mm        | 27,5 kg |
| FRAZ. / SECT. |         |



**2024**

Mat = C45  
Max T/m = 100  
 $\alpha = 85^\circ$

|               |         |
|---------------|---------|
| 835 mm        | 32,5 kg |
| 415 mm        | 16,1 kg |
| 805 mm        | 31,3 kg |
| FRAZ. / SECT. |         |



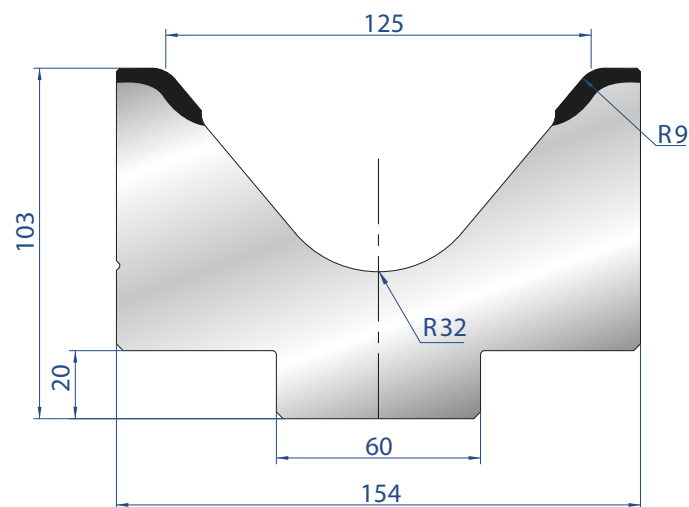
**2025**

Mat = C45

Max T/m = 120

$\alpha = 80^\circ$

|               |         |
|---------------|---------|
| 835 mm        | 45,7 kg |
| 415 mm        | 22,7 kg |
| 805 mm        | 44,1 kg |
| FRAZ. / SECT. |         |



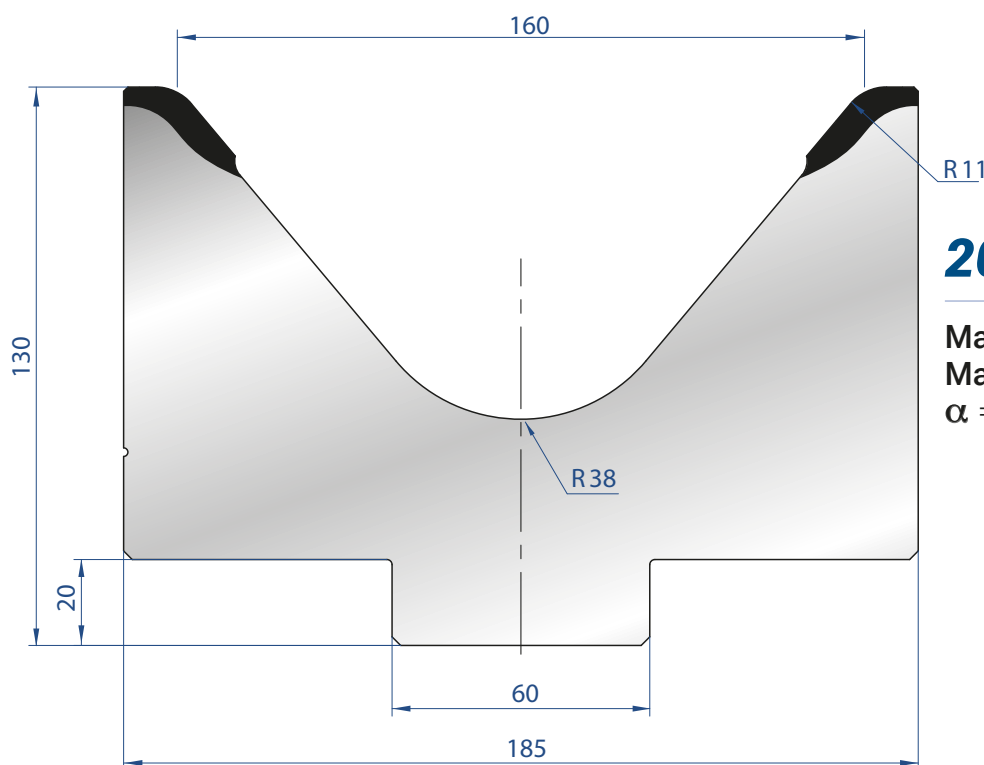
**2026**

Mat = C45

Max T/m = 120

$\alpha = 80^\circ$

|               |         |
|---------------|---------|
| 835 mm        | 60,9 kg |
| 415 mm        | 30,3 kg |
| 805 mm        | 58,7 kg |
| FRAZ. / SECT. |         |



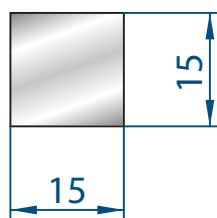
**2027**

Mat = C45

Max T/m = 120

$\alpha = 80^\circ$

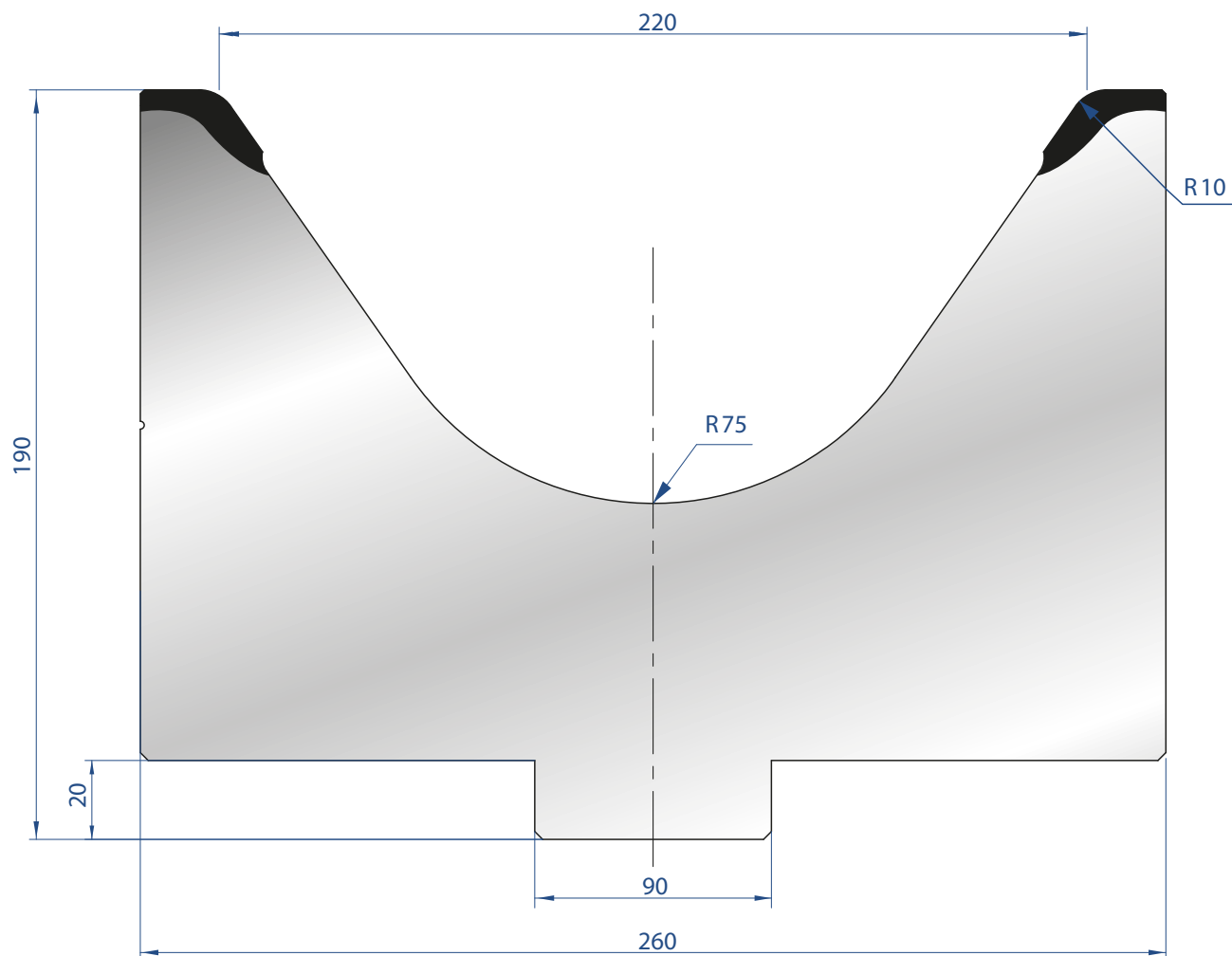
|               |         |
|---------------|---------|
| 835 mm        | 91,3 kg |
| 415 mm        | 45,4 kg |
| 805 mm        | 88,0 kg |
| FRAZ. / SECT. |         |



**8106**

TRAFILATI 15X15  
SQUARE BAR 15X15

|        |        |
|--------|--------|
| 835 mm | 2,9 kg |
|--------|--------|



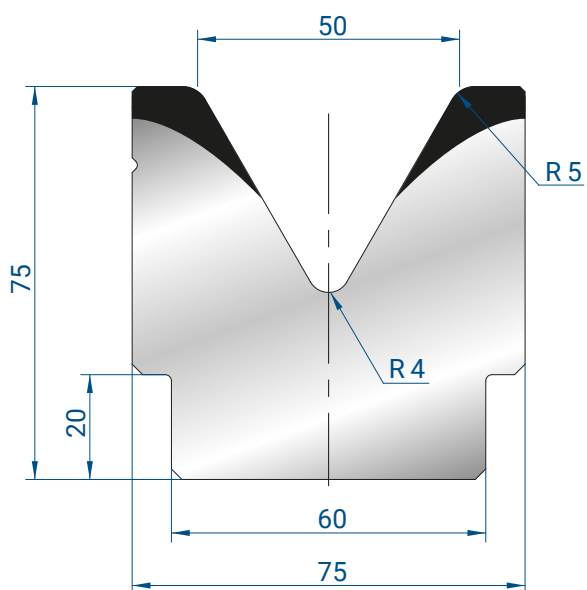
**7290**

505 mm 121,2 kg

**Mat** = C45  
bonificato /  
*tempered*  
**Max T/m** = 200  
 **$\alpha$**  = 70°

SOLO LUNGHEZZA  
505 MM

AVAILABLE ONLY  
LENGHT 505 MM



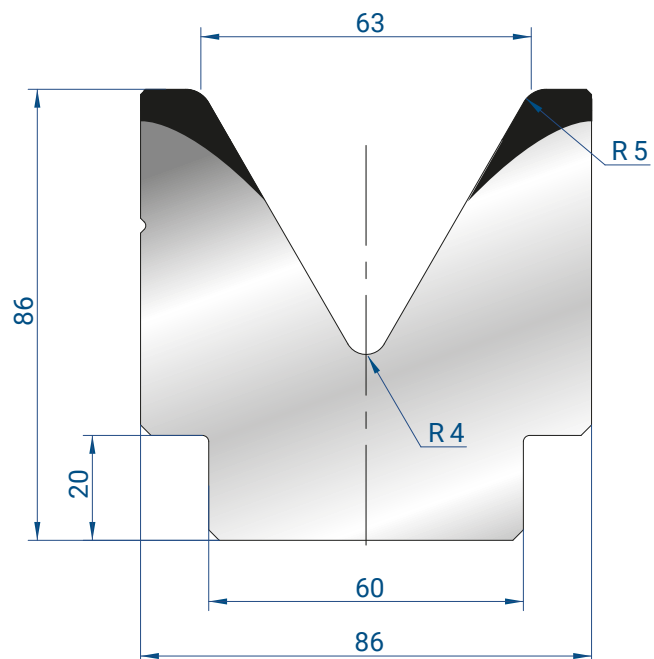
**2082**

**Mat = C45**

**Max T/m = 100**

**$\alpha = 60^\circ$**

|                         |         |
|-------------------------|---------|
| 835 mm                  | 27,7 kg |
| 415 mm                  | 13,8 kg |
| 805 mm<br>FRAZ. / SECT. | 26,7 kg |



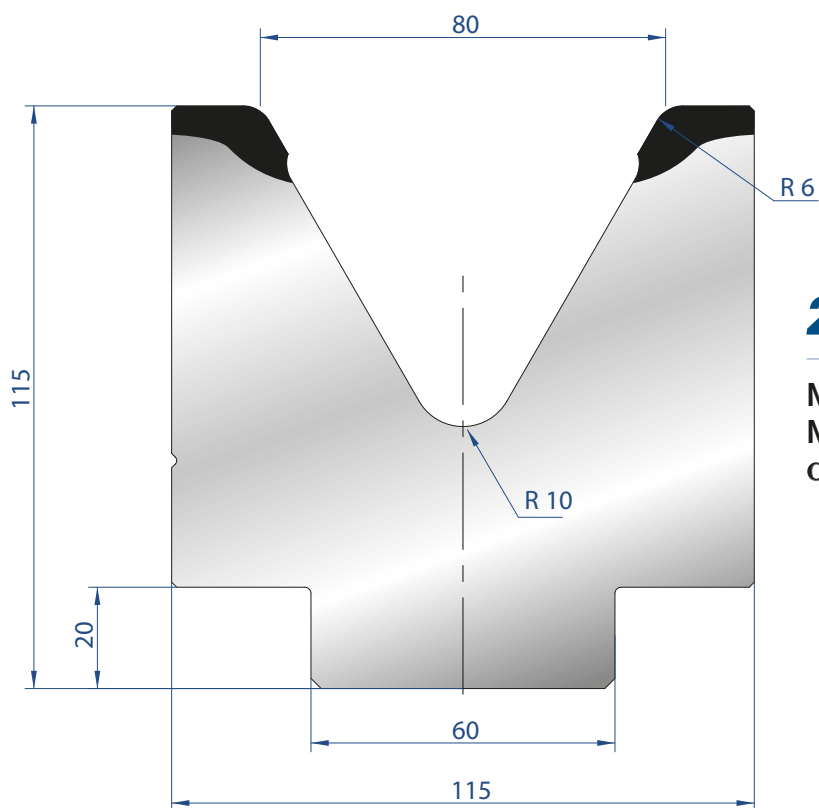
**2083**

**Mat = C45**

**Max T/m = 100**

**$\alpha = 60^\circ$**

|                         |         |
|-------------------------|---------|
| 835 mm                  | 33,7 kg |
| 415 mm                  | 16,8 kg |
| 805 mm<br>FRAZ. / SECT. | 32,5 kg |



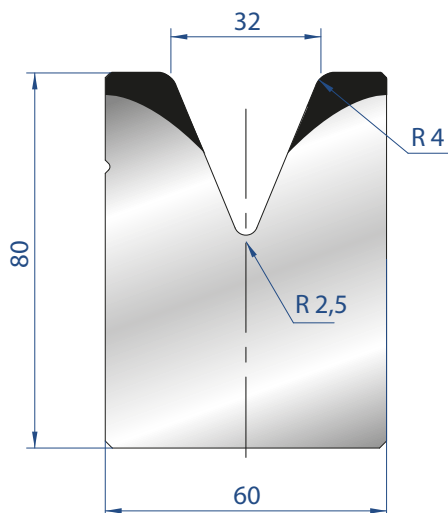
**2089**

**Mat = C45**

**Max T/m = 100**

**$\alpha = 60^\circ$**

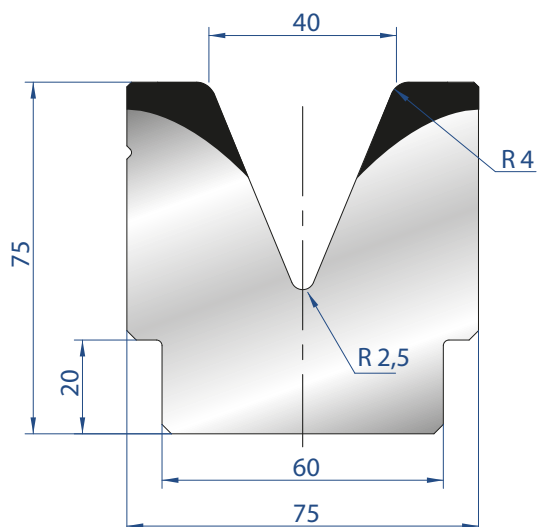
|                         |         |
|-------------------------|---------|
| 835 mm                  | 59,7 kg |
| 415 mm                  | 29,7 kg |
| 805 mm<br>FRAZ. / SECT. | 57,6 kg |



**2088**

Mat = C45  
Max T/m = 100  
 $\alpha = 45^\circ$

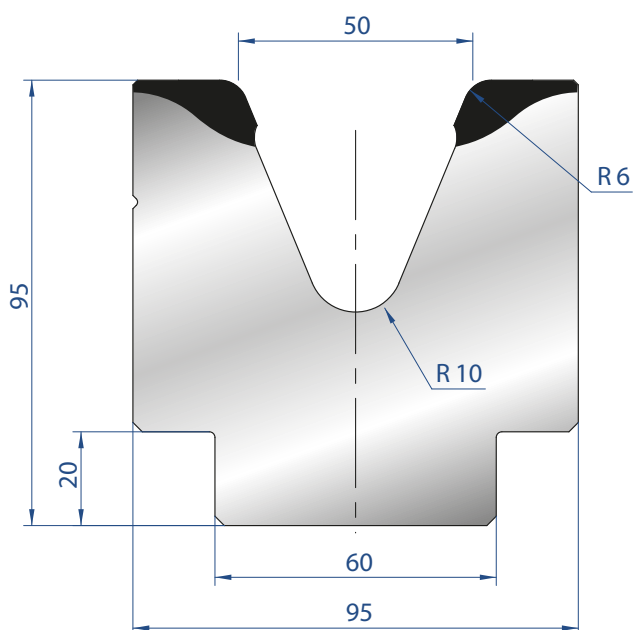
|               |         |
|---------------|---------|
| 835 mm        | 27,4 kg |
| 415 mm        | 13,6 kg |
| 805 mm        | 26,4 kg |
| FRAZ. / SECT. |         |



**2081**

Mat = C45  
Max T/m = 100  
 $\alpha = 45^\circ$

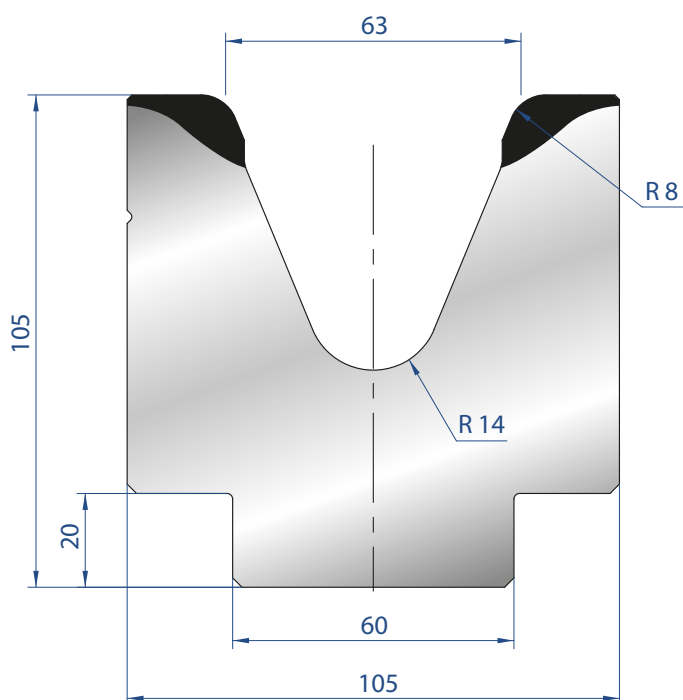
|               |         |
|---------------|---------|
| 835 mm        | 28,5 kg |
| 415 mm        | 14,2 kg |
| 805 mm        | 27,5 kg |
| FRAZ. / SECT. |         |



**2118**

Mat = C45  
Max T/m = 100  
 $\alpha = 45^\circ$

|               |         |
|---------------|---------|
| 835 mm        | 43,8 kg |
| 415 mm        | 21,8 kg |
| 805 mm        | 42,2 kg |
| FRAZ. / SECT. |         |

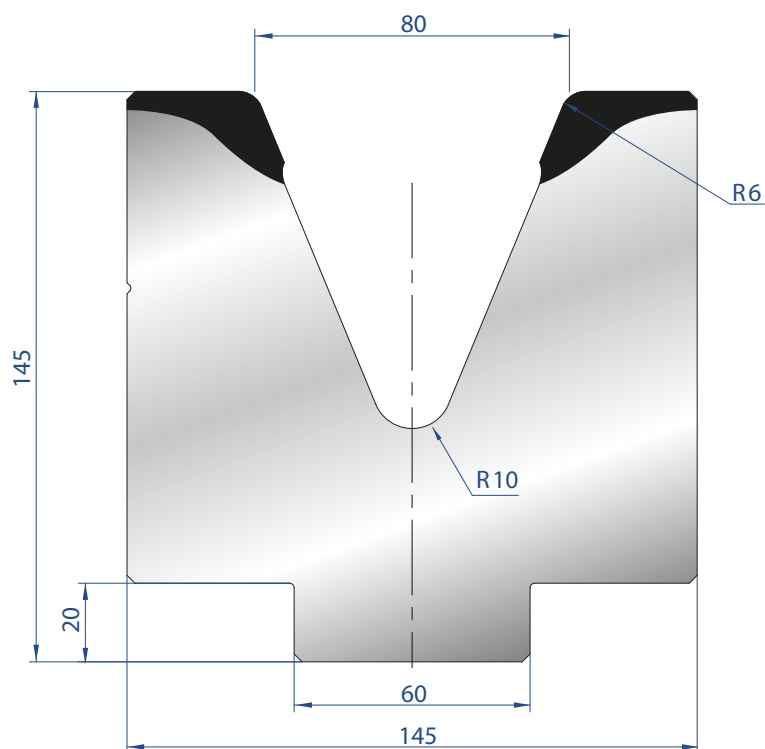


**2117**

Mat = C45  
Max T/m = 100  
 $\alpha = 45^\circ$

|               |         |
|---------------|---------|
| 835 mm        | 50,1 kg |
| 415 mm        | 24,9 kg |
| 805 mm        | 48,3 kg |
| FRAZ. / SECT. |         |

## MATRICI 1V - 45° / 1V DIES - 45°

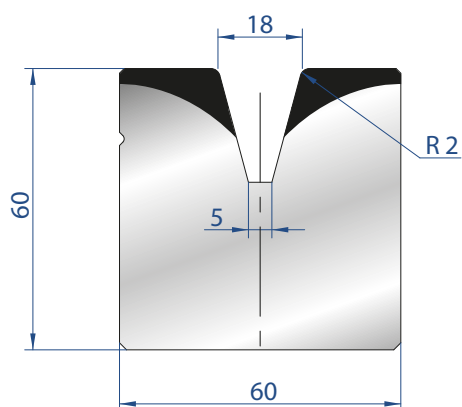


### 2084

Mat = C45  
Max T/m = 100  
 $\alpha = 45^\circ$

|               |         |
|---------------|---------|
| 835 mm        | 99,6 kg |
| 415 mm        | 49,5 kg |
| 805 mm        | 96,0 kg |
| FRAZ. / SECT. |         |

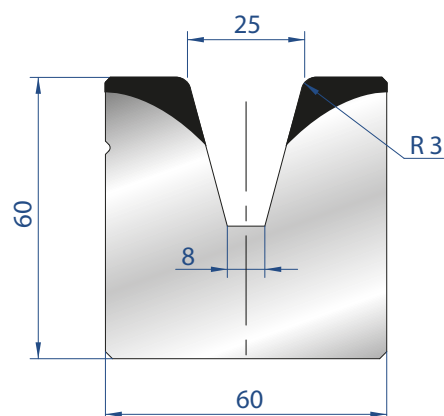
## MATRICI 1V - 30° / 1V DIES - 30°



### 2086

Mat = C45  
Max T/m = 100  
 $\alpha = 30^\circ$

|               |         |
|---------------|---------|
| 835 mm        | 21,7 kg |
| 415 mm        | 10,8 kg |
| 805 mm        | 20,9 kg |
| FRAZ. / SECT. |         |



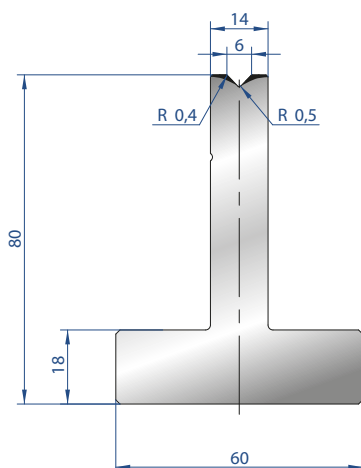
### 2087

Mat = C45  
Max T/m = 100  
 $\alpha = 30^\circ$

|               |         |
|---------------|---------|
| 835 mm        | 20,1 kg |
| 415 mm        | 10,0 kg |
| 805 mm        | 19,4 kg |
| FRAZ. / SECT. |         |



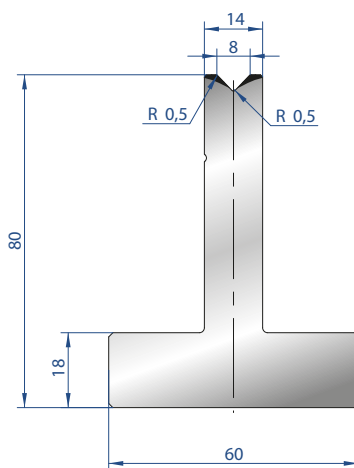
**EUROSTAMP TOC**  
the Italian excellence



**3080**

|               |         |
|---------------|---------|
| 835 mm        | 12,7 kg |
| 415 mm        | 6,3 kg  |
| 805 mm        | 12,2 kg |
| FRAZ. / SECT. |         |

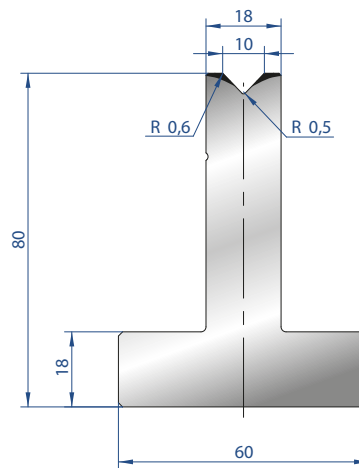
Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$



**3081**

|               |         |
|---------------|---------|
| 835 mm        | 12,6 kg |
| 415 mm        | 6,3 kg  |
| 805 mm        | 12,2 kg |
| FRAZ. / SECT. |         |

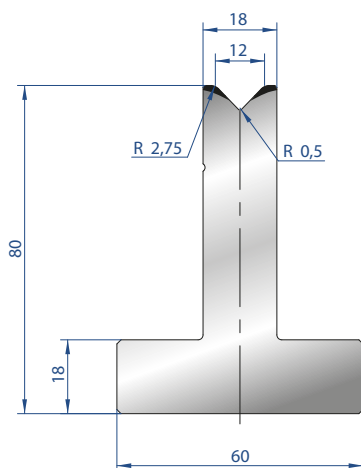
Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$



**3082**

|               |         |
|---------------|---------|
| 835 mm        | 14,2 kg |
| 415 mm        | 7,0 kg  |
| 805 mm        | 13,7 kg |
| FRAZ. / SECT. |         |

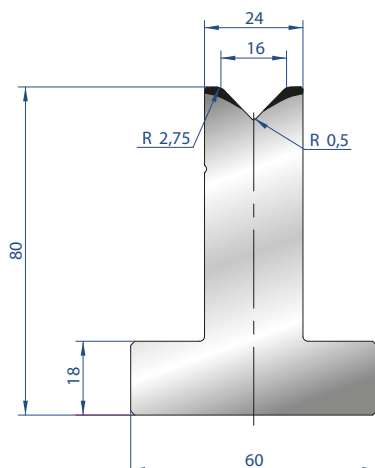
Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$



**3015**

|               |         |
|---------------|---------|
| 835 mm        | 14,1 kg |
| 415 mm        | 7,0 kg  |
| 805 mm        | 13,6 kg |
| FRAZ. / SECT. |         |

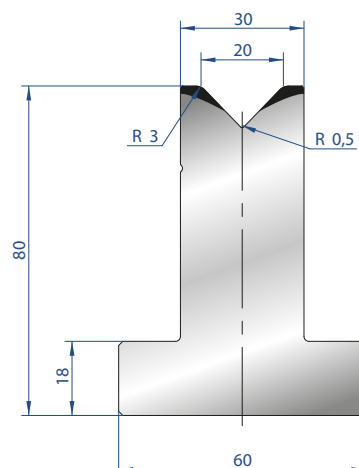
Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$



**3016**

|               |         |
|---------------|---------|
| 835 mm        | 16,3 kg |
| 415 mm        | 8,1 kg  |
| 805 mm        | 15,8 kg |
| FRAZ. / SECT. |         |

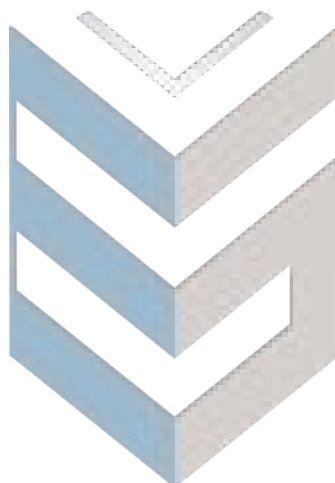
Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$



**3017**

|               |         |
|---------------|---------|
| 835 mm        | 18,5 kg |
| 415 mm        | 9,2 kg  |
| 805 mm        | 17,9 kg |
| FRAZ. / SECT. |         |

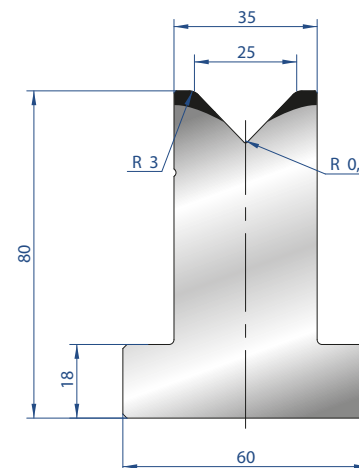
Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$

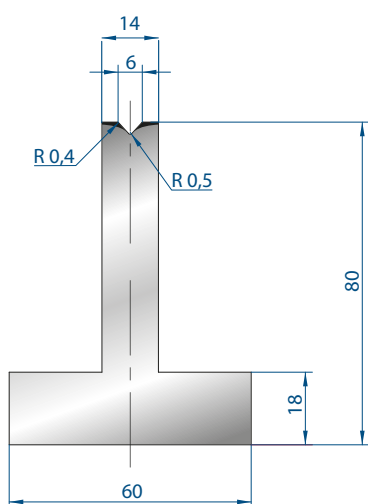


**3018**

|               |         |
|---------------|---------|
| 835 mm        | 20,2 kg |
| 415 mm        | 10,0 kg |
| 805 mm        | 19,5 kg |
| FRAZ. / SECT. |         |

Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$

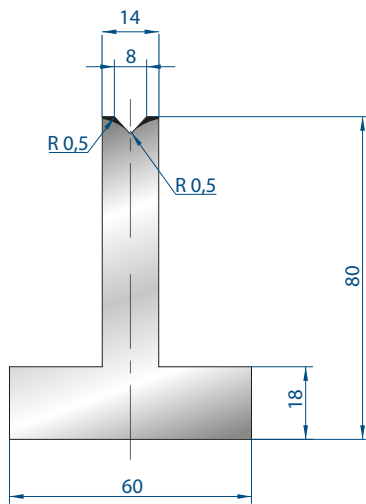




**3086**

|               |         |
|---------------|---------|
| 835 mm        | 12,7 kg |
| 415 mm        | 6,3 kg  |
| 805 mm        | 12,2 kg |
| FRAZ. / SECT. |         |

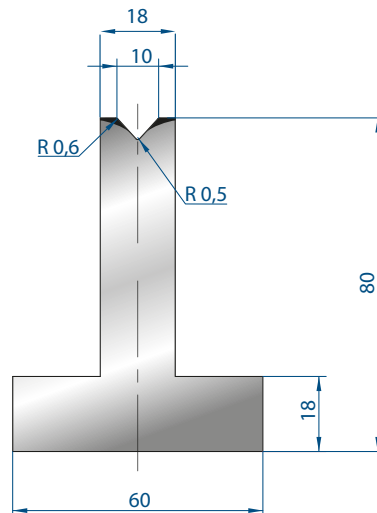
**Mat = C45**  
**Max T/m = 100**  
 **$\alpha = 85^\circ$**



**3087**

|               |         |
|---------------|---------|
| 835 mm        | 12,6 kg |
| 415 mm        | 6,3 kg  |
| 805 mm        | 12,2 kg |
| FRAZ. / SECT. |         |

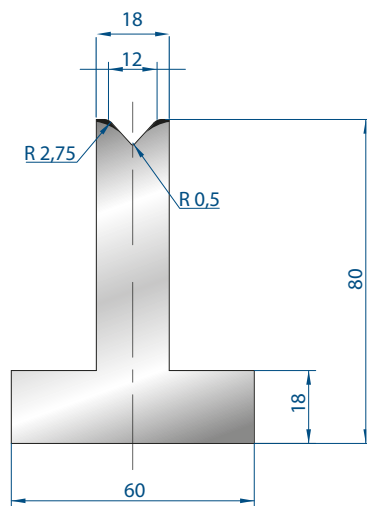
**Mat = C45**  
**Max T/m = 100**  
 **$\alpha = 85^\circ$**



**3088**

|               |         |
|---------------|---------|
| 835 mm        | 14,2 kg |
| 415 mm        | 7,0 kg  |
| 805 mm        | 13,7 kg |
| FRAZ. / SECT. |         |

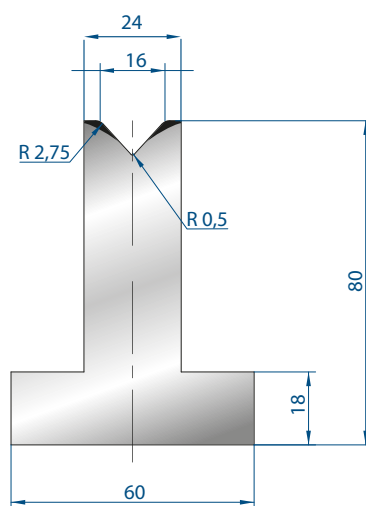
**Mat = C45**  
**Max T/m = 100**  
 **$\alpha = 85^\circ$**



**3089**

|               |         |
|---------------|---------|
| 835 mm        | 14,1 kg |
| 415 mm        | 7,0 kg  |
| 805 mm        | 13,6 kg |
| FRAZ. / SECT. |         |

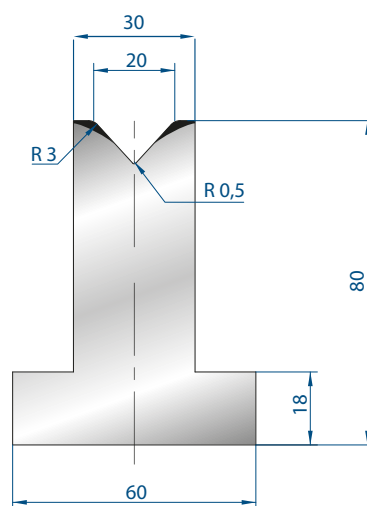
**Mat = C45**  
**Max T/m = 100**  
 **$\alpha = 85^\circ$**



**3090**

|               |         |
|---------------|---------|
| 835 mm        | 16,3 kg |
| 415 mm        | 8,1 kg  |
| 805 mm        | 15,7 kg |
| FRAZ. / SECT. |         |

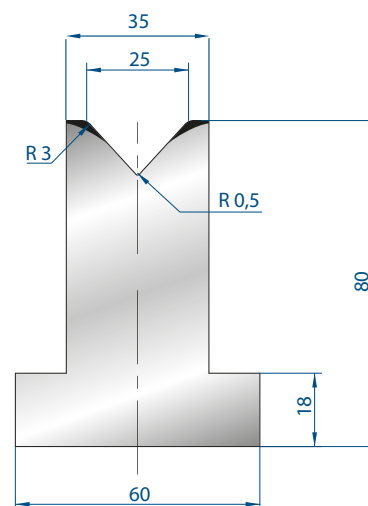
**Mat = C45**  
**Max T/m = 100**  
 **$\alpha = 85^\circ$**



**3091**

|               |         |
|---------------|---------|
| 835 mm        | 18,5 kg |
| 415 mm        | 9,2 kg  |
| 805 mm        | 17,8 kg |
| FRAZ. / SECT. |         |

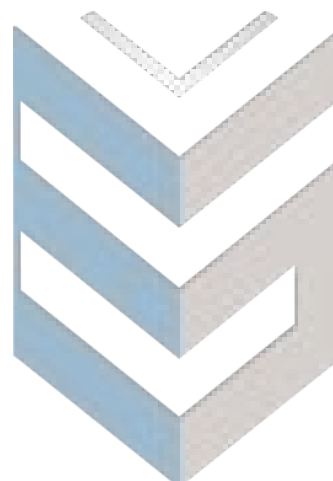
**Mat = C45**  
**Max T/m = 100**  
 **$\alpha = 85^\circ$**

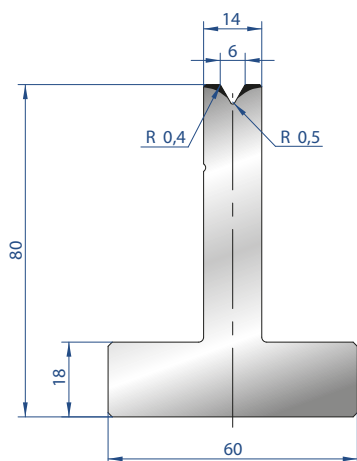


**3092**

|               |         |
|---------------|---------|
| 835 mm        | 20,1 kg |
| 415 mm        | 10,0 kg |
| 805 mm        | 19,4 kg |
| FRAZ. / SECT. |         |

**Mat = C45**  
**Max T/m = 100**  
 **$\alpha = 85^\circ$**

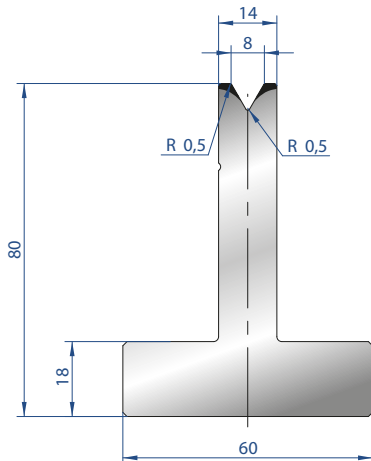




**3019**

|               |         |
|---------------|---------|
| 835 mm        | 12,6 kg |
| 415 mm        | 6,3 kg  |
| 805 mm        | 12,2 kg |
| FRAZ. / SECT. |         |

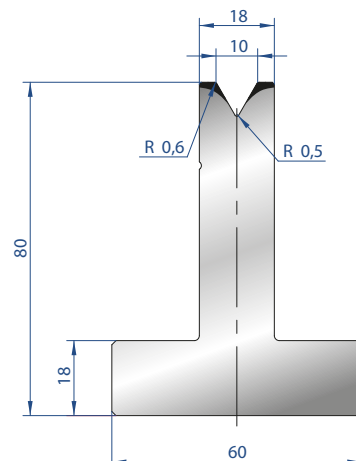
**Mat = C45**  
**Max T/m = 60**  
 **$\alpha = 60^\circ$**



**3020**

|               |         |
|---------------|---------|
| 835 mm        | 12,5 kg |
| 415 mm        | 6,2 kg  |
| 805 mm        | 12,1 kg |
| FRAZ. / SECT. |         |

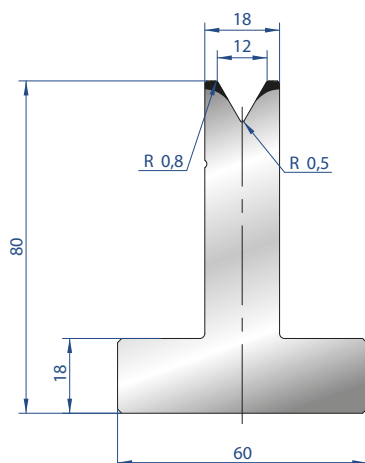
**Mat = C45**  
**Max T/m = 60**  
 **$\alpha = 60^\circ$**



**3021**

|               |         |
|---------------|---------|
| 835 mm        | 14,1 kg |
| 415 mm        | 7,0 kg  |
| 805 mm        | 13,6 kg |
| FRAZ. / SECT. |         |

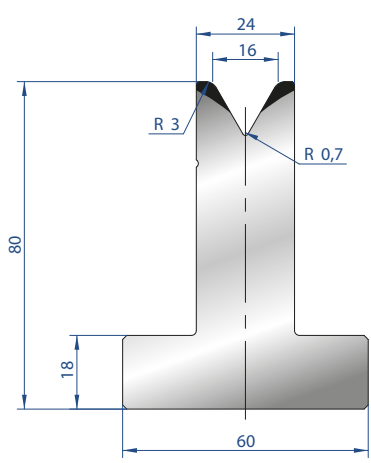
**Mat = C45**  
**Max T/m = 60**  
 **$\alpha = 60^\circ$**



**3022**

|               |         |
|---------------|---------|
| 835 mm        | 13,9 kg |
| 415 mm        | 6,9 kg  |
| 805 mm        | 13,4 kg |
| FRAZ. / SECT. |         |

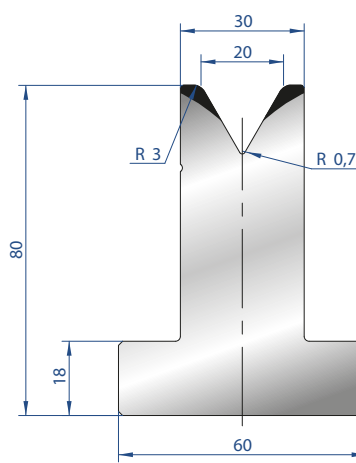
**Mat = C45**  
**Max T/m = 60**  
 **$\alpha = 60^\circ$**



**3023**

|               |         |
|---------------|---------|
| 835 mm        | 16,1 kg |
| 415 mm        | 8,0 kg  |
| 805 mm        | 15,5 kg |
| FRAZ. / SECT. |         |

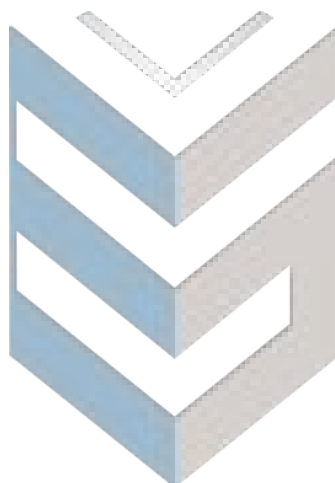
**Mat = C45**  
**Max T/m = 75**  
 **$\alpha = 60^\circ$**



**3024**

|               |         |
|---------------|---------|
| 835 mm        | 18,1 kg |
| 415 mm        | 9,0 kg  |
| 805 mm        | 17,4 kg |
| FRAZ. / SECT. |         |

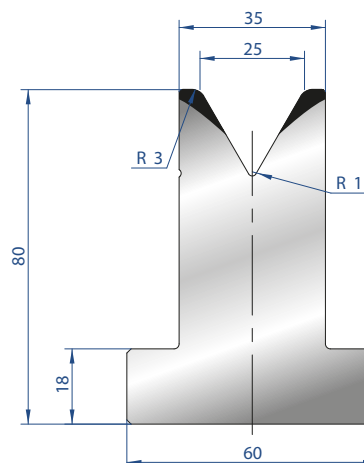
**Mat = C45**  
**Max T/m = 70**  
 **$\alpha = 60^\circ$**

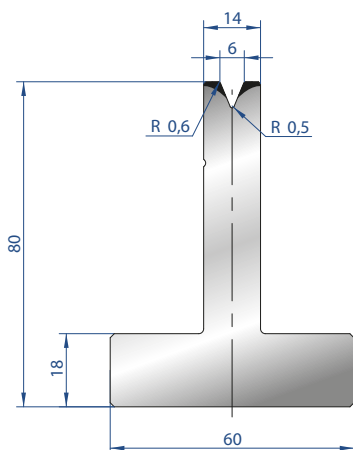


**3025**

|               |         |
|---------------|---------|
| 835 mm        | 19,5 kg |
| 415 mm        | 9,7 kg  |
| 805 mm        | 18,8 kg |
| FRAZ. / SECT. |         |

**Mat = C45**  
**Max T/m = 65**  
 **$\alpha = 60^\circ$**

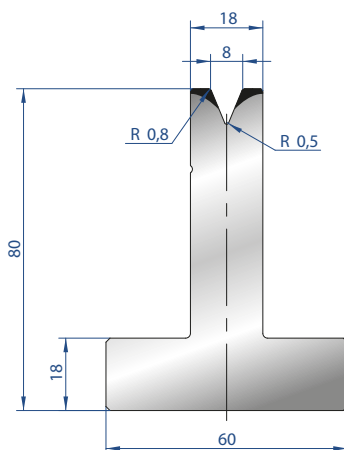




**3026**

|               |         |
|---------------|---------|
| 835 mm        | 12,6 kg |
| 415 mm        | 6,3 kg  |
| 805 mm        | 12,1 kg |
| FRAZ. / SECT. |         |

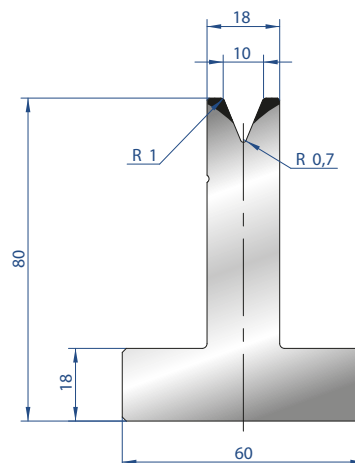
Mat = C45  
Max T/m = 50  
 $\alpha = 45^\circ$



**3027**

|               |         |
|---------------|---------|
| 835 mm        | 14,1 kg |
| 415 mm        | 7,0 kg  |
| 805 mm        | 13,6 kg |
| FRAZ. / SECT. |         |

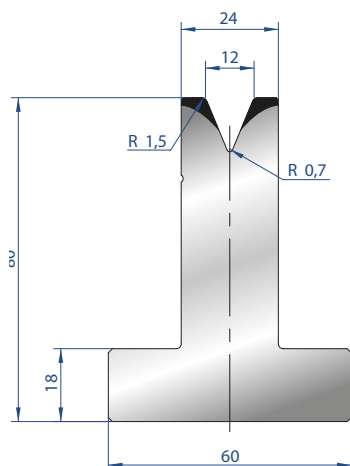
Mat = C45  
Max T/m = 50  
 $\alpha = 45^\circ$



**3028**

|               |         |
|---------------|---------|
| 835 mm        | 14,0 kg |
| 415 mm        | 6,9 kg  |
| 805 mm        | 13,5 kg |
| FRAZ. / SECT. |         |

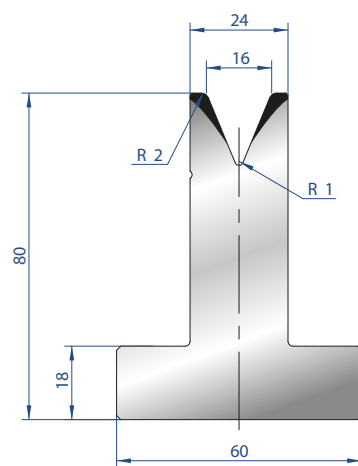
Mat = C45  
Max T/m = 50  
 $\alpha = 45^\circ$



**3029**

|               |         |
|---------------|---------|
| 835 mm        | 16,2 kg |
| 415 mm        | 8,1 kg  |
| 805 mm        | 15,6 kg |
| FRAZ. / SECT. |         |

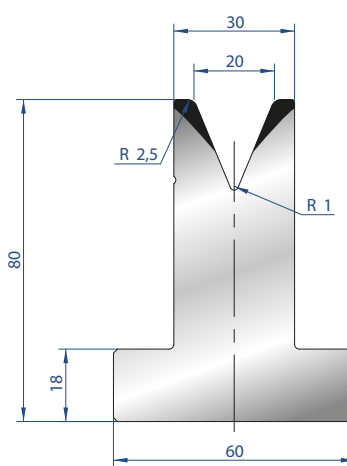
Mat = C45  
Max T/m = 50  
 $\alpha = 45^\circ$



**3030**

|               |         |
|---------------|---------|
| 835 mm        | 15,8 kg |
| 415 mm        | 7,8 kg  |
| 805 mm        | 15,2 kg |
| FRAZ. / SECT. |         |

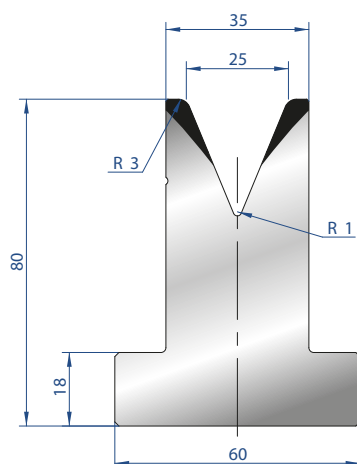
Mat = C45  
Max T/m = 50  
 $\alpha = 45^\circ$



**3031**

|               |         |
|---------------|---------|
| 835 mm        | 17,6 kg |
| 415 mm        | 8,8 kg  |
| 805 mm        | 17,0 kg |
| FRAZ. / SECT. |         |

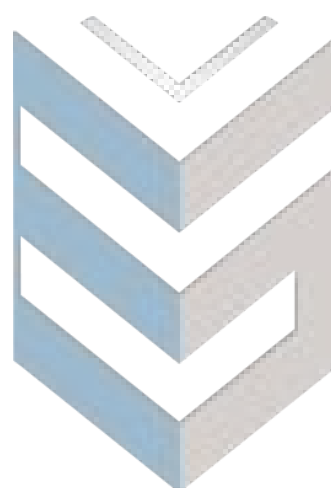
Mat = C45  
Max T/m = 50  
 $\alpha = 45^\circ$

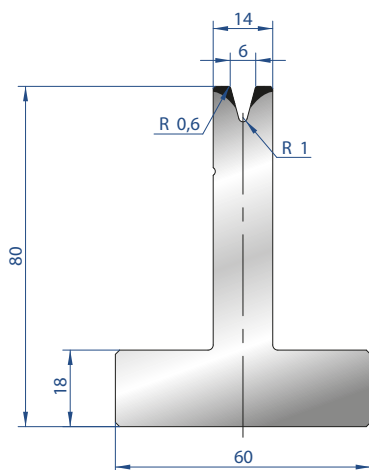


**3032**

|               |         |
|---------------|---------|
| 835 mm        | 18,8 kg |
| 415 mm        | 9,3 kg  |
| 805 mm        | 18,1 kg |
| FRAZ. / SECT. |         |

Mat = C45  
Max T/m = 50  
 $\alpha = 45^\circ$

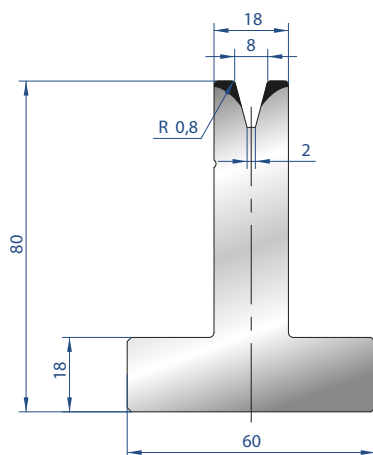




**3042**

|               |         |
|---------------|---------|
| 835 mm        | 12,5 kg |
| 415 mm        | 6,2 kg  |
| 805 mm        | 12,1 kg |
| FRAZ. / SECT. |         |

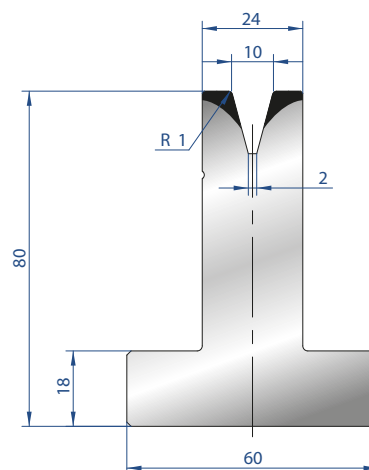
**Mat = C45**  
**Max T/m = 35**  
 **$\alpha = 30^\circ$**



**3043**

|               |         |
|---------------|---------|
| 835 mm        | 14,0 kg |
| 415 mm        | 6,9 kg  |
| 805 mm        | 13,5 kg |
| FRAZ. / SECT. |         |

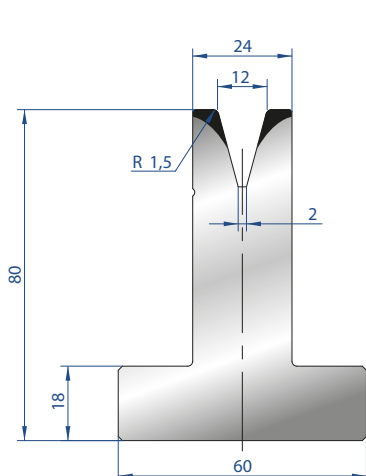
**Mat = C45**  
**Max T/m = 40**  
 **$\alpha = 30^\circ$**



**3044**

|               |         |
|---------------|---------|
| 835 mm        | 16,2 kg |
| 415 mm        | 8,0 kg  |
| 805 mm        | 15,6 kg |
| FRAZ. / SECT. |         |

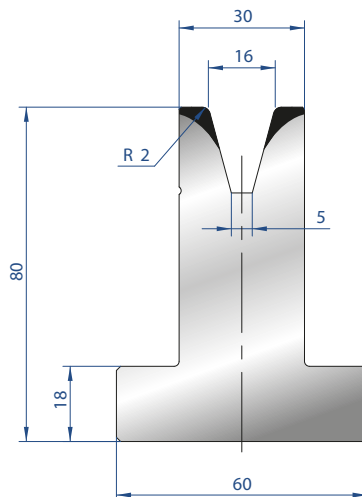
**Mat = C45**  
**Max T/m = 50**  
 **$\alpha = 30^\circ$**



**3045**

|               |         |
|---------------|---------|
| 835 mm        | 15,9 kg |
| 415 mm        | 7,9 kg  |
| 805 mm        | 13,4 kg |
| FRAZ. / SECT. |         |

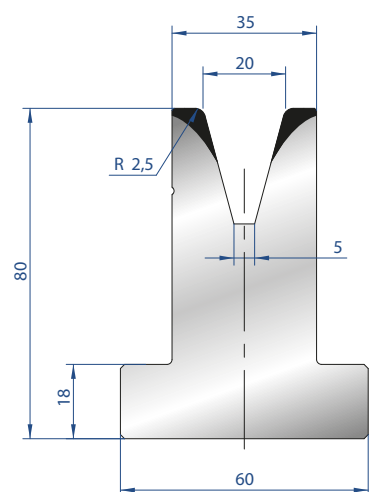
**Mat = C45**  
**Max T/m = 50**  
 **$\alpha = 30^\circ$**



**3046**

|               |         |
|---------------|---------|
| 835 mm        | 17,8 kg |
| 415 mm        | 8,8 kg  |
| 805 mm        | 17,2 kg |
| FRAZ. / SECT. |         |

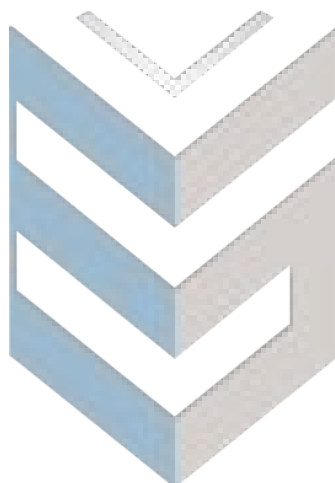
**Mat = C45**  
**Max T/m = 50**  
 **$\alpha = 30^\circ$**



**3047**

|               |         |
|---------------|---------|
| 835 mm        | 18,9 kg |
| 415 mm        | 9,4 kg  |
| 805 mm        | 18,3 kg |
| FRAZ. / SECT. |         |

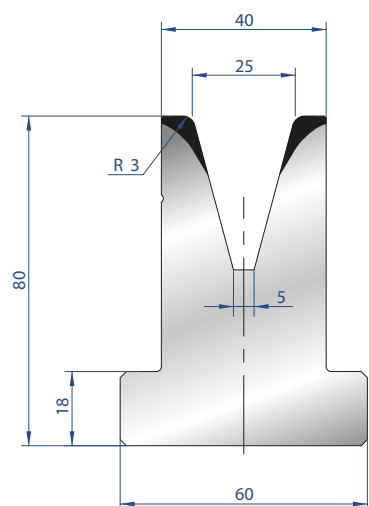
**Mat = C45**  
**Max T/m = 55**  
 **$\alpha = 30^\circ$**

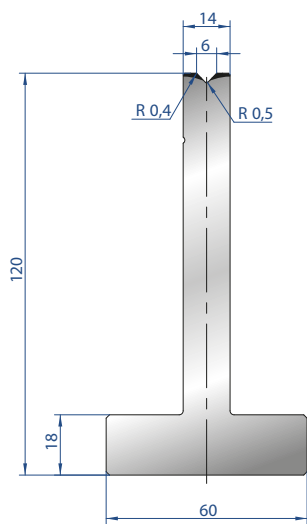


**3048**

|               |         |
|---------------|---------|
| 835 mm        | 19,6 kg |
| 415 mm        | 9,7 kg  |
| 805 mm        | 18,9 kg |
| FRAZ. / SECT. |         |

**Mat = C45**  
**Max T/m = 55**  
 **$\alpha = 30^\circ$**

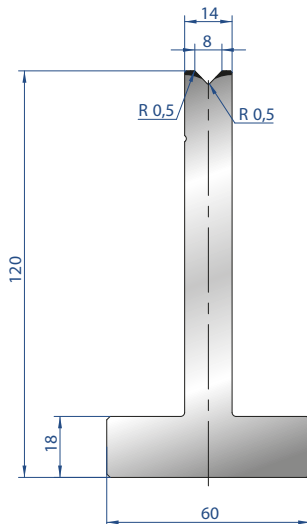




3083

|               |         |
|---------------|---------|
| 835 mm        | 16,3 kg |
| 415 mm        | 8,1 kg  |
| 805 mm        | 15,7 kg |
| FRAZ. / SECT. |         |

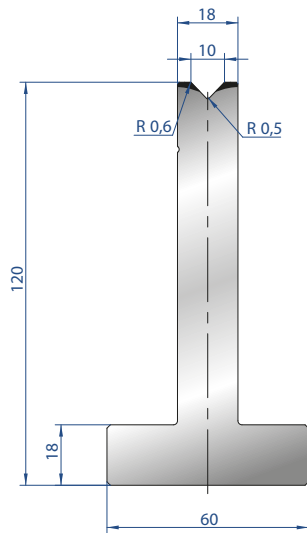
Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$



3084

|               |         |
|---------------|---------|
| 835 mm        | 16,3 kg |
| 415 mm        | 8,1 kg  |
| 805 mm        | 15,7 kg |
| FRAZ. / SECT. |         |

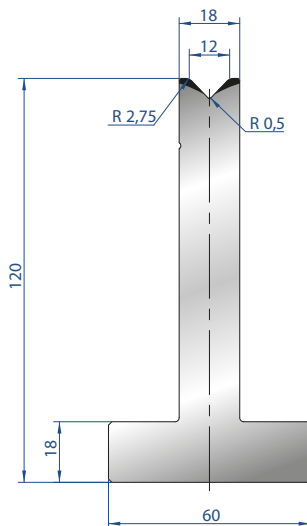
Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$



3085

|               |         |
|---------------|---------|
| 835 mm        | 18,9 kg |
| 415 mm        | 9,4 kg  |
| 805 mm        | 18,2 kg |
| FRAZ. / SECT. |         |

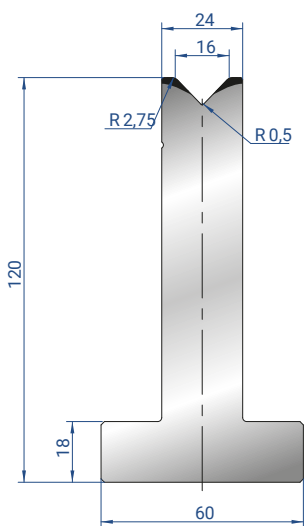
Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$



3055

|               |         |
|---------------|---------|
| 835 mm        | 18,8 kg |
| 415 mm        | 9,3 kg  |
| 805 mm        | 18,1 kg |
| FRAZ. / SECT. |         |

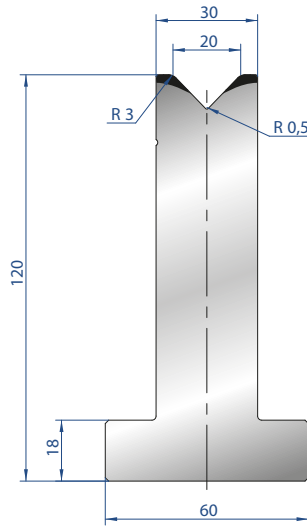
Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$



3056

|               |         |
|---------------|---------|
| 835 mm        | 22,6 kg |
| 415 mm        | 11,2 kg |
| 805 mm        | 21,8 kg |
| FRAZ. / SECT. |         |

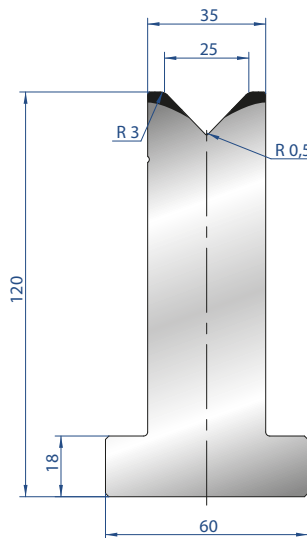
Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$



3057

|               |         |
|---------------|---------|
| 835 mm        | 26,4 kg |
| 415 mm        | 13,1 kg |
| 805 mm        | 25,4 kg |
| FRAZ. / SECT. |         |

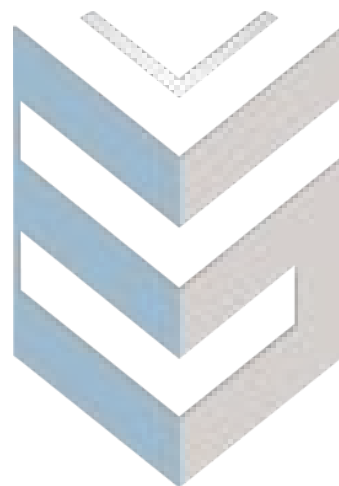
Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$

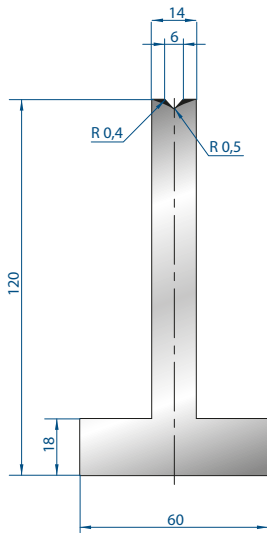


3058

|               |         |
|---------------|---------|
| 835 mm        | 29,3 kg |
| 415 mm        | 14,6 kg |
| 805 mm        | 28,3 kg |
| FRAZ. / SECT. |         |

Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$

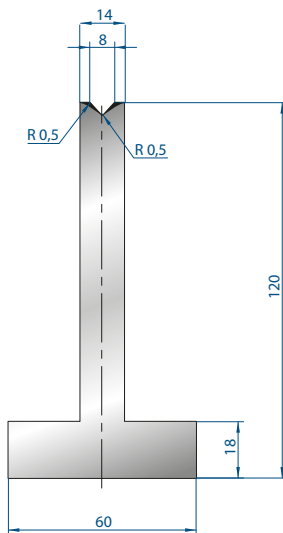




**3093**

|               |         |
|---------------|---------|
| 835 mm        | 16,3 kg |
| 415 mm        | 8,1 kg  |
| 805 mm        | 15,7 kg |
| FRAZ. / SECT. |         |

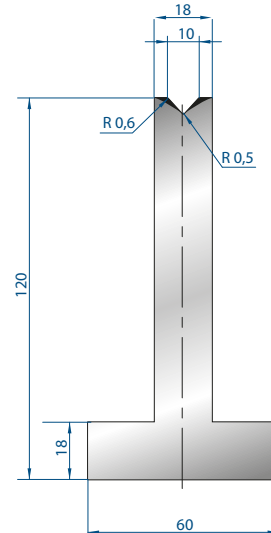
Mat = C45  
Max T/m = 100  
 $\alpha = 85^\circ$



**3094**

|               |         |
|---------------|---------|
| 835 mm        | 16,3 kg |
| 415 mm        | 8,1 kg  |
| 805 mm        | 15,7 kg |
| FRAZ. / SECT. |         |

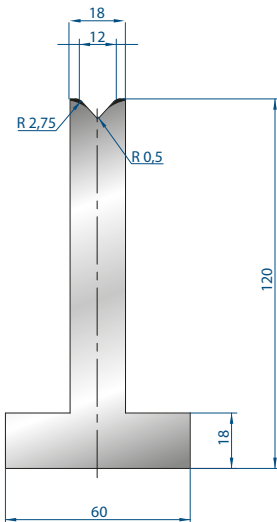
Mat = C45  
Max T/m = 100  
 $\alpha = 85^\circ$



**3095**

|               |         |
|---------------|---------|
| 835 mm        | 18,9 kg |
| 415 mm        | 9,4 kg  |
| 805 mm        | 18,2 kg |
| FRAZ. / SECT. |         |

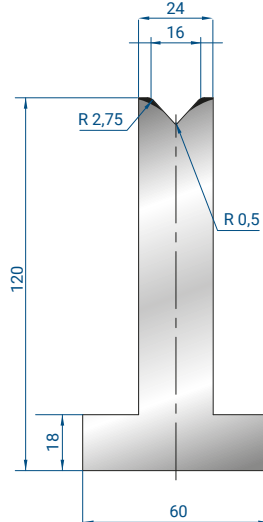
Mat = C45  
Max T/m = 100  
 $\alpha = 85^\circ$



**3096**

|               |         |
|---------------|---------|
| 835 mm        | 18,8 kg |
| 415 mm        | 9,3 kg  |
| 805 mm        | 18,1 kg |
| FRAZ. / SECT. |         |

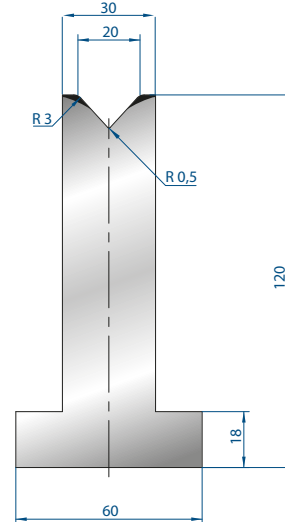
Mat = C45  
Max T/m = 100  
 $\alpha = 85^\circ$



**3097**

|               |         |
|---------------|---------|
| 835 mm        | 22,6 kg |
| 415 mm        | 11,2 kg |
| 805 mm        | 21,8 kg |
| FRAZ. / SECT. |         |

Mat = C45  
Max T/m = 100  
 $\alpha = 85^\circ$



**3098**

|               |         |
|---------------|---------|
| 835 mm        | 26,3 kg |
| 415 mm        | 13,1 kg |
| 805 mm        | 25,4 kg |
| FRAZ. / SECT. |         |

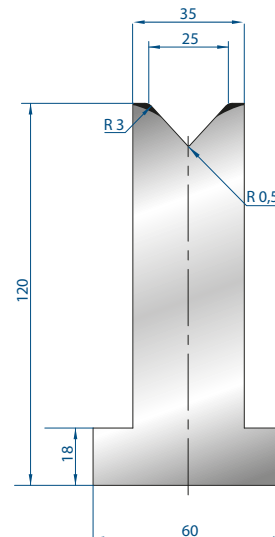
Mat = C45  
Max T/m = 100  
 $\alpha = 85^\circ$

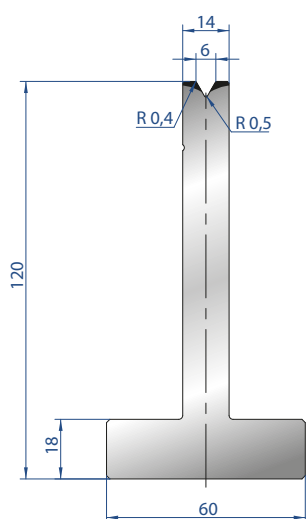


**3099**

|               |         |
|---------------|---------|
| 835 mm        | 29,3 kg |
| 415 mm        | 14,6 kg |
| 805 mm        | 28,3 kg |
| FRAZ. / SECT. |         |

Mat = C45  
Max T/m = 100  
 $\alpha = 85^\circ$

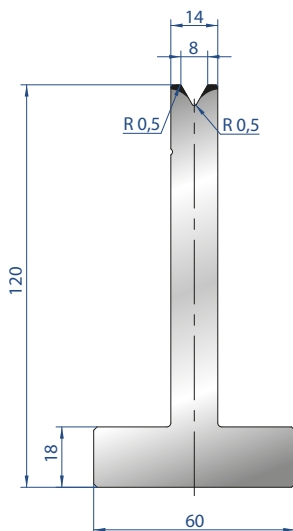




**3059**

|               |         |
|---------------|---------|
| 835 mm        | 16,3 kg |
| 415 mm        | 8,1 kg  |
| 805 mm        | 15,7 kg |
| FRAZ. / SECT. |         |

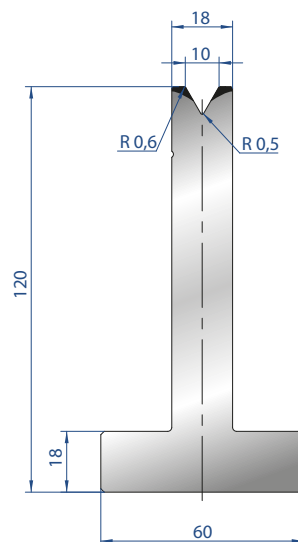
**Mat = C45**  
**Max T/m = 60**  
 **$\alpha = 60^\circ$**



**3060**

|               |         |
|---------------|---------|
| 835 mm        | 16,2 kg |
| 415 mm        | 8,1 kg  |
| 805 mm        | 15,6 kg |
| FRAZ. / SECT. |         |

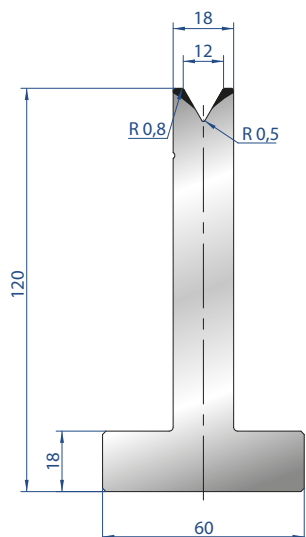
**Mat = C45**  
**Max T/m = 60**  
 **$\alpha = 60^\circ$**



**3061**

|               |         |
|---------------|---------|
| 835 mm        | 18,8 kg |
| 415 mm        | 9,3 kg  |
| 805 mm        | 18,1 kg |
| FRAZ. / SECT. |         |

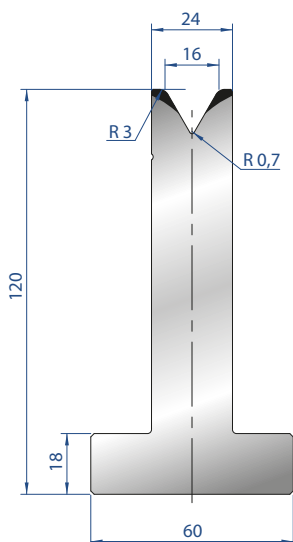
**Mat = C45**  
**Max T/m = 60**  
 **$\alpha = 60^\circ$**



**3062**

|               |         |
|---------------|---------|
| 835 mm        | 18,7 kg |
| 415 mm        | 9,3 kg  |
| 805 mm        | 18,0 kg |
| FRAZ. / SECT. |         |

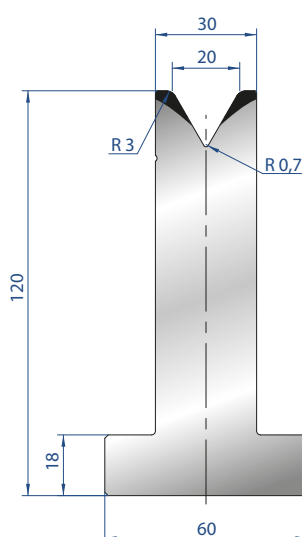
**Mat = C45**  
**Max T/m = 60**  
 **$\alpha = 60^\circ$**



**3063**

|               |         |
|---------------|---------|
| 835 mm        | 22,3 kg |
| 415 mm        | 11,1 kg |
| 805 mm        | 21,5 kg |
| FRAZ. / SECT. |         |

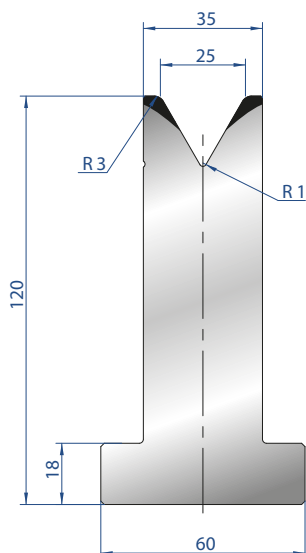
**Mat = C45**  
**Max T/m = 75**  
 **$\alpha = 60^\circ$**



**3064**

|               |         |
|---------------|---------|
| 835 mm        | 25,9 kg |
| 415 mm        | 12,9 kg |
| 805 mm        | 25,0 kg |
| FRAZ. / SECT. |         |

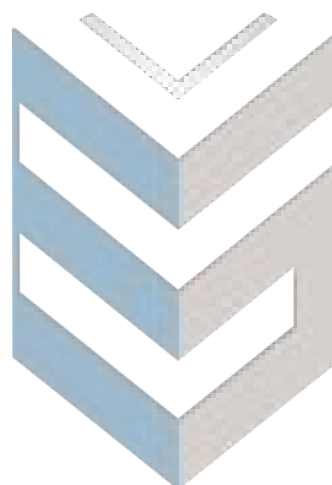
**Mat = C45**  
**Max T/m = 70**  
 **$\alpha = 60^\circ$**

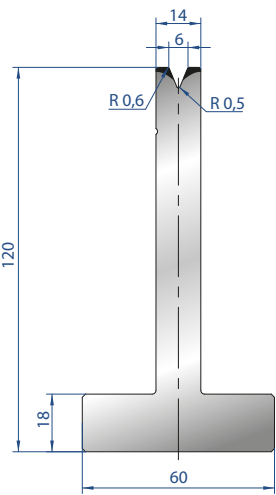


**3065**

|               |         |
|---------------|---------|
| 835 mm        | 28,6 kg |
| 415 mm        | 14,2 kg |
| 805 mm        | 27,6 kg |
| FRAZ. / SECT. |         |

**Mat = C45**  
**Max T/m = 65**  
 **$\alpha = 60^\circ$**

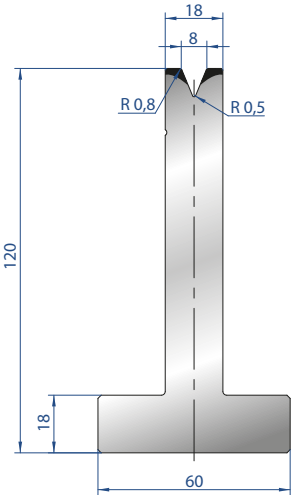




**3066**

|               |         |
|---------------|---------|
| 835 mm        | 16,2 kg |
| 415 mm        | 8,1 kg  |
| 805 mm        | 15,7 kg |
| FRAZ. / SECT. |         |

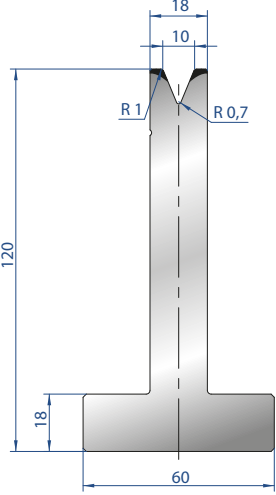
**Mat = C45**  
**Max T/m = 50**  
**α = 45°**



**3067**

|               |         |
|---------------|---------|
| 835 mm        | 18,8 kg |
| 415 mm        | 9,3 kg  |
| 805 mm        | 18,1 kg |
| FRAZ. / SECT. |         |

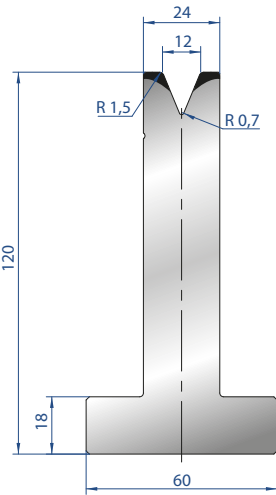
**Mat = C45**  
**Max T/m = 50**  
**α = 45°**



**3068**

|               |         |
|---------------|---------|
| 835 mm        | 18,7 kg |
| 415 mm        | 9,3 kg  |
| 805 mm        | 18,0 kg |
| FRAZ. / SECT. |         |

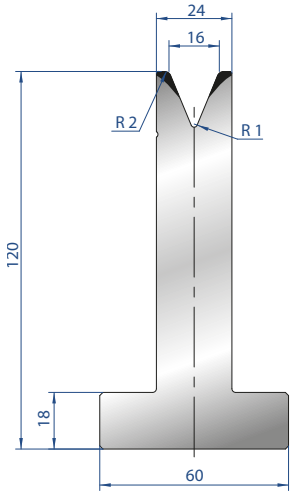
**Mat = C45**  
**Max T/m = 50**  
**α = 45°**



**3069**

|               |         |
|---------------|---------|
| 835 mm        | 22,5 kg |
| 415 mm        | 11,2 kg |
| 805 mm        | 21,7 kg |
| FRAZ. / SECT. |         |

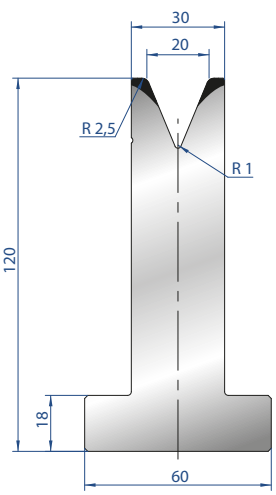
**Mat = C45**  
**Max T/m = 50**  
**α = 45°**



**3070**

|               |         |
|---------------|---------|
| 835 mm        | 22,1 kg |
| 415 mm        | 11,0 kg |
| 805 mm        | 21,3 kg |
| FRAZ. / SECT. |         |

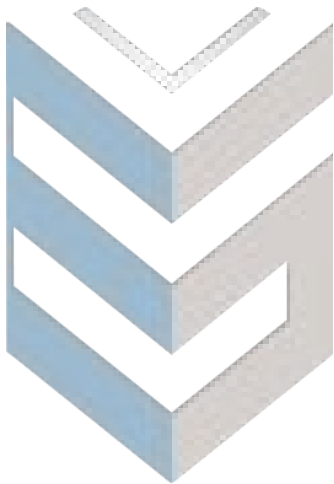
**Mat = C45**  
**Max T/m = 50**  
**α = 45°**



**3071**

|               |         |
|---------------|---------|
| 835 mm        | 25,5 kg |
| 415 mm        | 12,7 kg |
| 805 mm        | 24,6 kg |
| FRAZ. / SECT. |         |

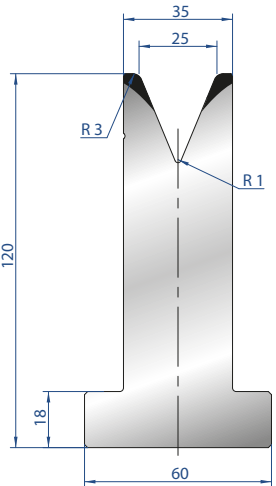
**Mat = C45**  
**Max T/m = 50**  
**α = 45°**

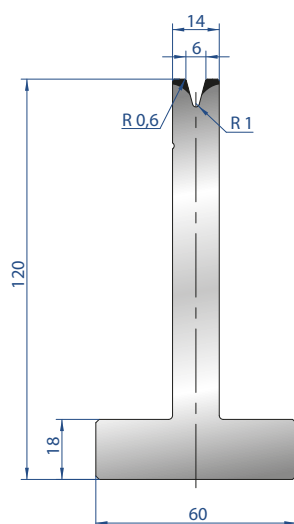


**3072**

|               |         |
|---------------|---------|
| 835 mm        | 27,9 kg |
| 415 mm        | 13,9 kg |
| 805 mm        | 26,9 kg |
| FRAZ. / SECT. |         |

**Mat = C45**  
**Max T/m = 50**  
**α = 45°**

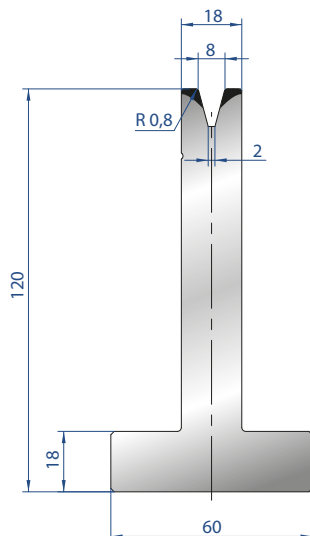




**3073**

|               |         |
|---------------|---------|
| 835 mm        | 16,2 kg |
| 415 mm        | 8,0 kg  |
| 805 mm        | 15,6 kg |
| FRAZ. / SECT. |         |

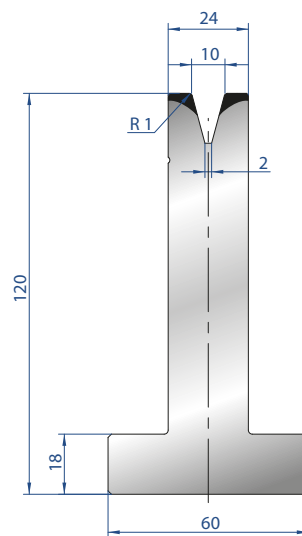
**Mat = C45**  
**Max T/m = 35**  
 $\alpha = 30^\circ$



**3074**

|               |         |
|---------------|---------|
| 835 mm        | 18,7 kg |
| 415 mm        | 9,3 kg  |
| 805 mm        | 18,0 kg |
| FRAZ. / SECT. |         |

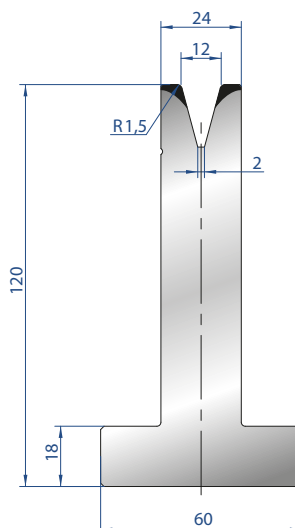
**Mat = C45**  
**Max T/m = 40**  
 $\alpha = 30^\circ$



**3075**

|               |         |
|---------------|---------|
| 835 mm        | 22,5 kg |
| 415 mm        | 11,2 kg |
| 805 mm        | 21,7 kg |
| FRAZ. / SECT. |         |

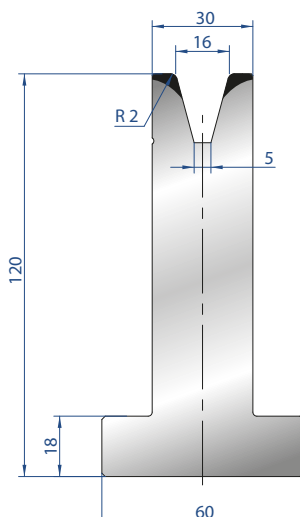
**Mat = C45**  
**Max T/m = 50**  
 $\alpha = 30^\circ$



**3076**

|               |         |
|---------------|---------|
| 835 mm        | 22,2 kg |
| 415 mm        | 11,0 kg |
| 805 mm        | 21,4 kg |
| FRAZ. / SECT. |         |

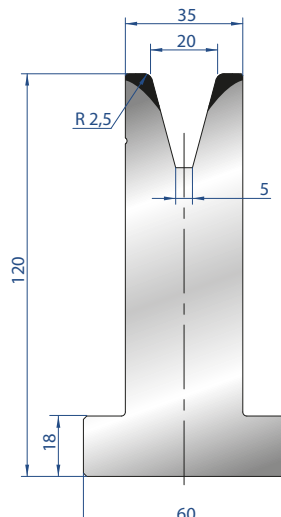
**Mat = C45**  
**Max T/m = 50**  
 $\alpha = 30^\circ$



**3077**

|               |         |
|---------------|---------|
| 835 mm        | 25,6 kg |
| 415 mm        | 12,7 kg |
| 805 mm        | 24,7 kg |
| FRAZ. / SECT. |         |

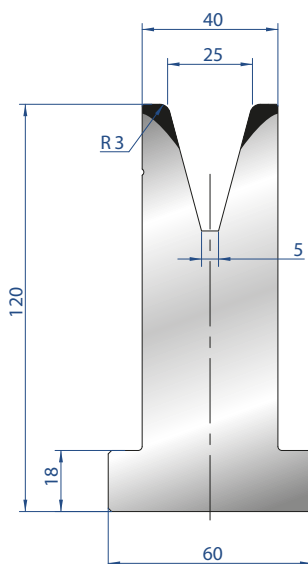
**Mat = C45**  
**Max T/m = 50**  
 $\alpha = 30^\circ$



**3078**

|               |         |
|---------------|---------|
| 835 mm        | 28,1 kg |
| 415 mm        | 14,0 kg |
| 805 mm        | 27,1 kg |
| FRAZ. / SECT. |         |

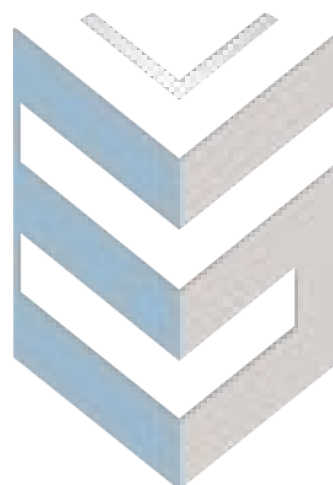
**Mat = C45**  
**Max T/m = 55**  
 $\alpha = 30^\circ$



**3079**

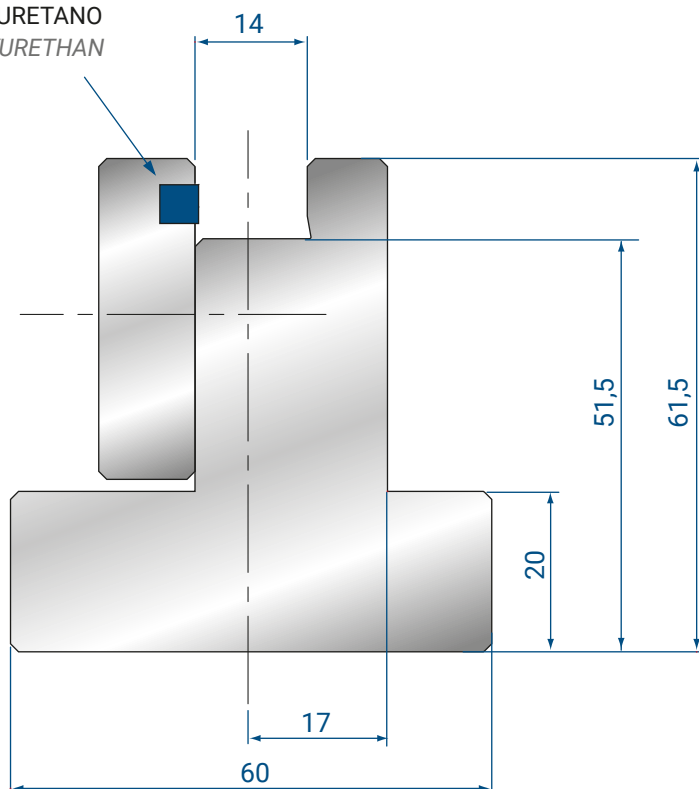
|               |         |
|---------------|---------|
| 835 mm        | 30,1 kg |
| 415 mm        | 14,9 kg |
| 805 mm        | 29,0 kg |
| FRAZ. / SECT. |         |

**Mat = C45**  
**Max T/m = 50**  
 $\alpha = 30^\circ$



# SUPPORTO PER INSERTI MATRICE DIE INSERTS HOLDER

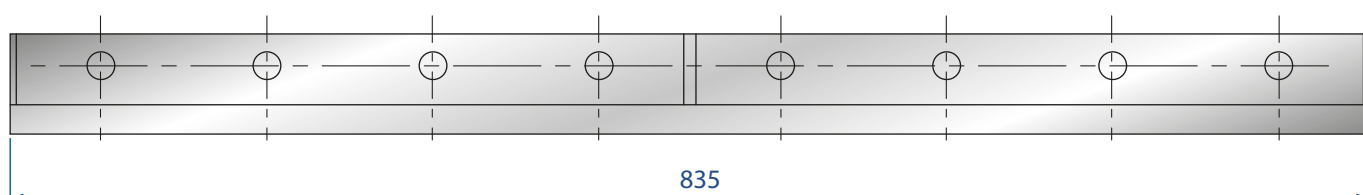
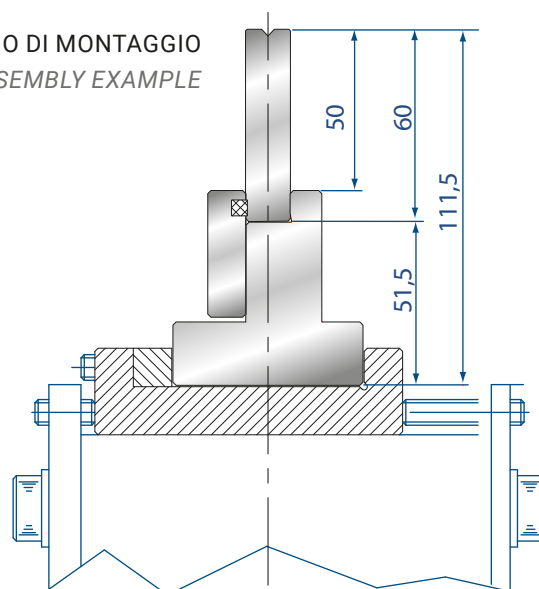
POLIURETANO  
POLYURETHAN



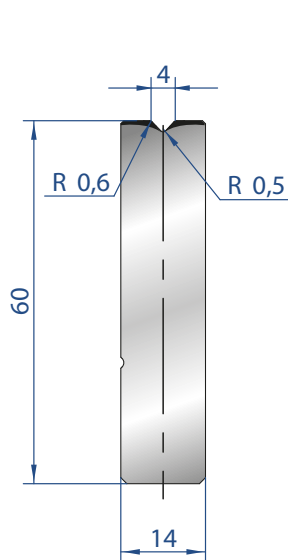
**3173**

|        |         |
|--------|---------|
| 835 mm | 16,4 kg |
| 415 mm | 8,1 kg  |

ESEMPIO DI MONTAGGIO  
ASSEMBLY EXAMPLE



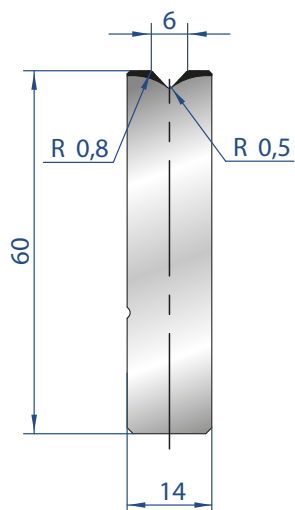




**3158**

**Mat = C45**  
**Max T/m = 100**  
 **$\alpha = 88^\circ$**

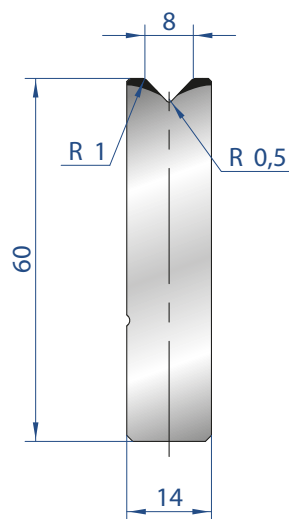
|               |        |
|---------------|--------|
| 835 mm        | 5,5 kg |
| 415 mm        | 2,7 kg |
| 805 mm        | 5,3 kg |
| FRAZ. / SECT. |        |



**3159**

**Mat = C45**  
**Max T/m = 100**  
 **$\alpha = 88^\circ$**

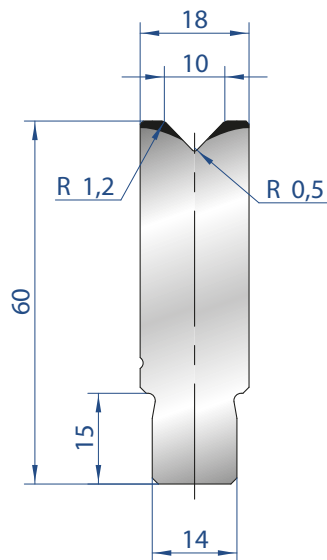
|               |        |
|---------------|--------|
| 835 mm        | 5,4 kg |
| 415 mm        | 2,7 kg |
| 805 mm        | 5,2 kg |
| FRAZ. / SECT. |        |



**3160**

**Mat = C45**  
**Max T/m = 100**  
 **$\alpha = 88^\circ$**

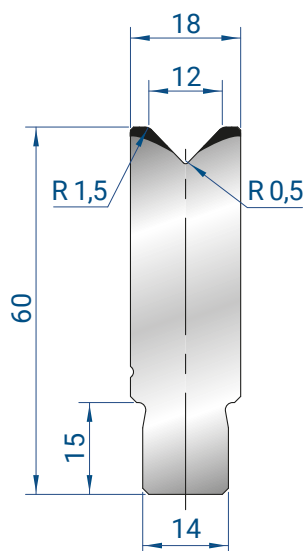
|               |        |
|---------------|--------|
| 835 mm        | 5,4 kg |
| 415 mm        | 2,7 kg |
| 805 mm        | 5,2 kg |
| FRAZ. / SECT. |        |



**3161**

**Mat = C45**  
**Max T/m = 100**  
 **$\alpha = 88^\circ$**

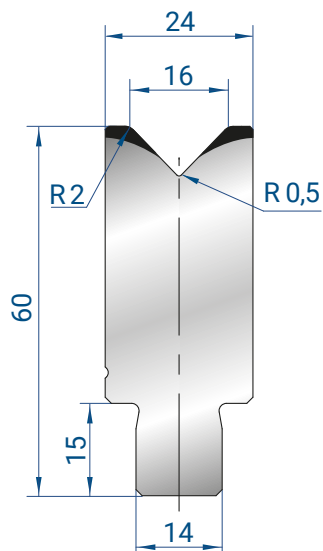
|               |        |
|---------------|--------|
| 835 mm        | 6,5 kg |
| 415 mm        | 3,2 kg |
| 805 mm        | 6,3 kg |
| FRAZ. / SECT. |        |



**3162**

**Mat = C45**  
**Max T/m = 100**  
 **$\alpha = 88^\circ$**

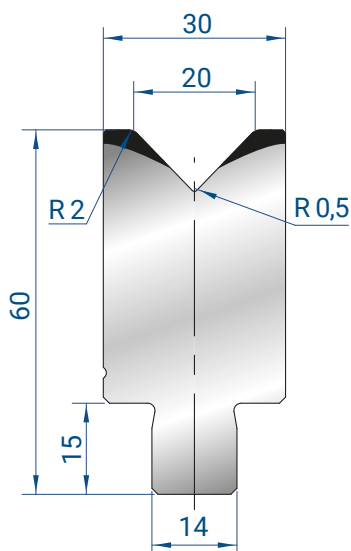
|               |        |
|---------------|--------|
| 835 mm        | 6,4 kg |
| 415 mm        | 3,2 kg |
| 805 mm        | 6,2 kg |
| FRAZ. / SECT. |        |



**3163**

**Mat = C45**  
**Max T/m = 100**  
 **$\alpha = 88^\circ$**

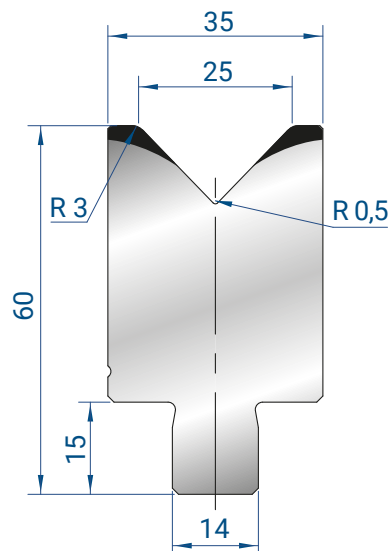
|               |        |
|---------------|--------|
| 835 mm        | 8,0 kg |
| 415 mm        | 4,0 kg |
| 805 mm        | 7,7 kg |
| FRAZ. / SECT. |        |



**3164**

**Mat = C45**  
**Max T/m = 100**  
 **$\alpha = 88^\circ$**

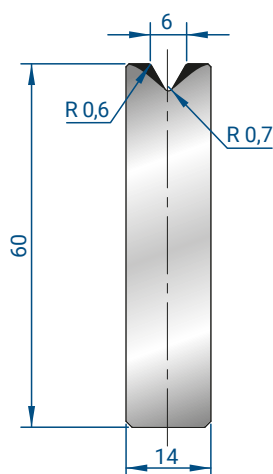
|               |        |
|---------------|--------|
| 835 mm        | 9,5 kg |
| 415 mm        | 4,7 kg |
| 805 mm        | 9,2 kg |
| FRAZ. / SECT. |        |



**3165**

**Mat = C45**  
**Max T/m = 100**  
 **$\alpha = 88^\circ$**

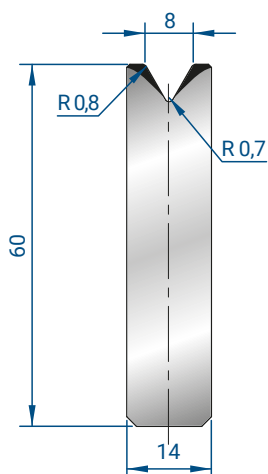
|               |         |
|---------------|---------|
| 835 mm        | 10,6 kg |
| 415 mm        | 5,3 kg  |
| 805 mm        | 10,2 kg |
| FRAZ. / SECT. |         |



**3193**

**Mat = C45**  
**Max T/m = 60**  
 **$\alpha = 60^\circ$**

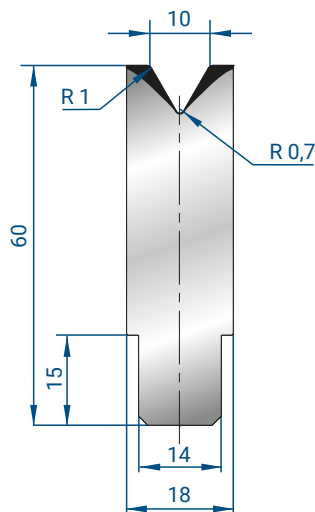
|               |        |
|---------------|--------|
| 835 mm        | 5,4 kg |
| 415 mm        | 2,7 kg |
| 805 mm        | 5,2 kg |
| FRAZ. / SECT. |        |



**3194**

**Mat = C45**  
**Max T/m = 60**  
 **$\alpha = 60^\circ$**

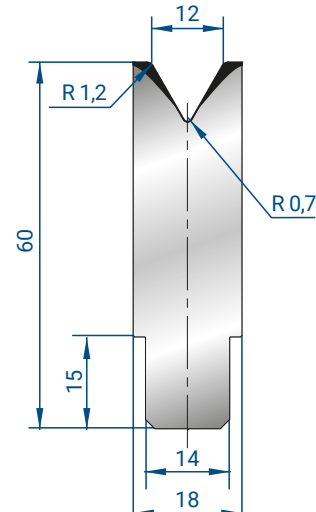
|               |        |
|---------------|--------|
| 835 mm        | 5,3 kg |
| 415 mm        | 2,6 kg |
| 805 mm        | 5,1 kg |
| FRAZ. / SECT. |        |



**3195**

**Mat = C45**  
**Max T/m = 60**  
 **$\alpha = 60^\circ$**

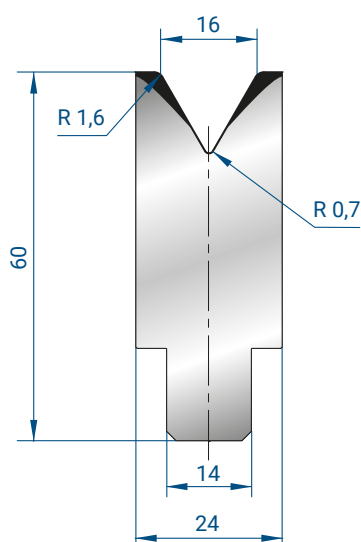
|               |        |
|---------------|--------|
| 835 mm        | 6,4 kg |
| 415 mm        | 3,2 kg |
| 805 mm        | 6,1 kg |
| FRAZ. / SECT. |        |



**3196**

**Mat = C45**  
**Max T/m = 60**  
 **$\alpha = 60^\circ$**

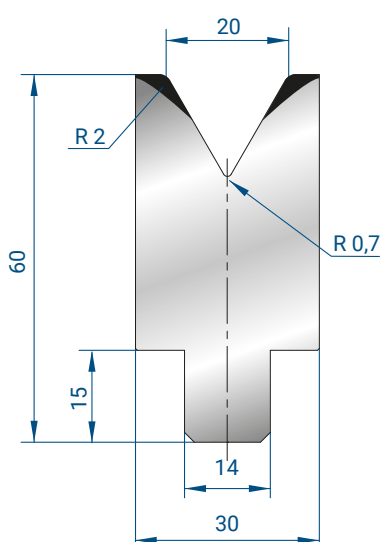
|               |        |
|---------------|--------|
| 835 mm        | 6,3 kg |
| 415 mm        | 3,1 kg |
| 805 mm        | 6,0 kg |
| FRAZ. / SECT. |        |



**3197**

**Mat = C45**  
**Max T/m = 60**  
 **$\alpha = 60^\circ$**

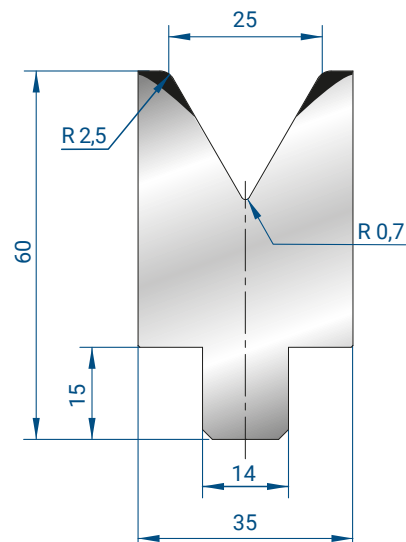
|               |        |
|---------------|--------|
| 835 mm        | 7,7 kg |
| 415 mm        | 3,8 kg |
| 805 mm        | 7,4 kg |
| FRAZ. / SECT. |        |



**3198**

**Mat = C45**  
**Max T/m = 60**  
 **$\alpha = 60^\circ$**

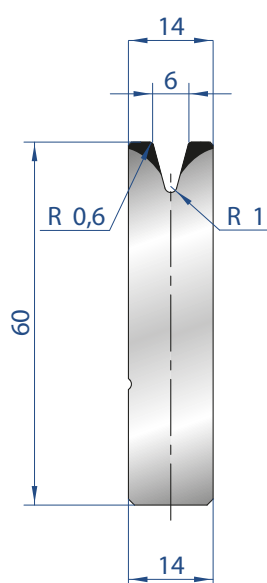
|               |        |
|---------------|--------|
| 835 mm        | 9,1 kg |
| 415 mm        | 4,5 kg |
| 805 mm        | 8,7 kg |
| FRAZ. / SECT. |        |



**3199**

**Mat = C45**  
**Max T/m = 60**  
 **$\alpha = 60^\circ$**

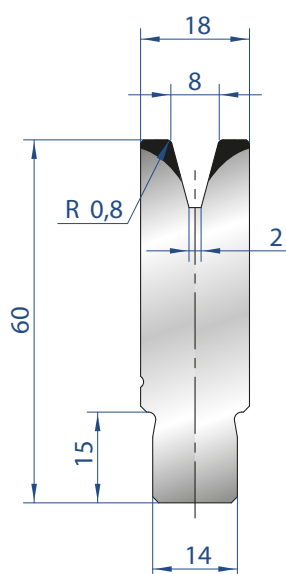
|               |        |
|---------------|--------|
| 835 mm        | 9,9 kg |
| 415 mm        | 4,9 kg |
| 805 mm        | 9,5 kg |
| FRAZ. / SECT. |        |



**3166**

**Mat = C45**  
**Max T/m = 35**  
 **$\alpha = 30^\circ$**

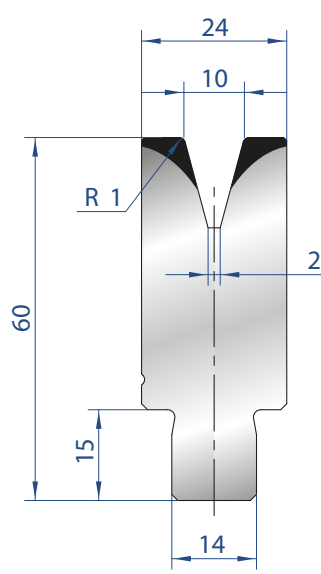
|               |        |
|---------------|--------|
| 835 mm        | 5,3 kg |
| 415 mm        | 2,6 kg |
| 805 mm        | 5,1 kg |
| FRAZ. / SECT. |        |



**3167**

**Mat = C45**  
**Max T/m = 40**  
 **$\alpha = 30^\circ$**

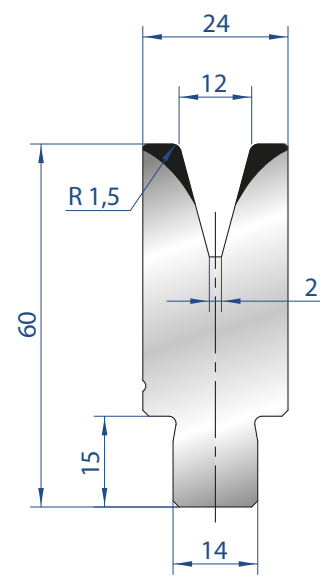
|               |        |
|---------------|--------|
| 835 mm        | 6,3 kg |
| 415 mm        | 3,1 kg |
| 805 mm        | 6,1 kg |
| FRAZ. / SECT. |        |



**3168**

**Mat = C45**  
**Max T/m = 50**  
 **$\alpha = 30^\circ$**

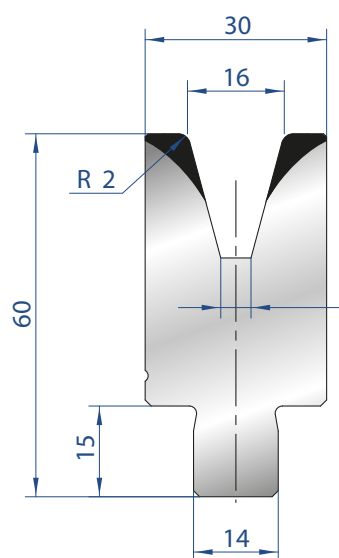
|               |        |
|---------------|--------|
| 835 mm        | 7,8 kg |
| 415 mm        | 3,9 kg |
| 805 mm        | 7,5 kg |
| FRAZ. / SECT. |        |



**3169**

**Mat = C45**  
**Max T/m = 50**  
 **$\alpha = 30^\circ$**

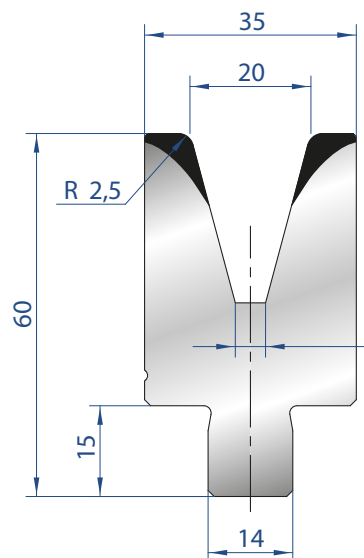
|               |        |
|---------------|--------|
| 835 mm        | 7,6 kg |
| 415 mm        | 3,8 kg |
| 805 mm        | 7,3 kg |
| FRAZ. / SECT. |        |



**3170**

**Mat = C45**  
**Max T/m = 50**  
 **$\alpha = 30^\circ$**

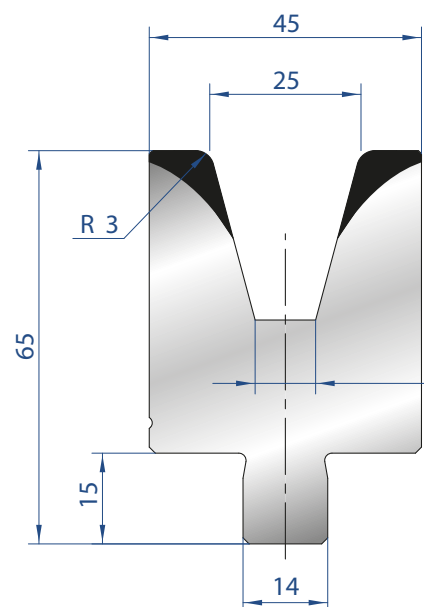
|               |        |
|---------------|--------|
| 835 mm        | 8,7 kg |
| 415 mm        | 4,4 kg |
| 805 mm        | 8,5 kg |
| FRAZ. / SECT. |        |



**3171**

**Mat = C45**  
**Max T/m = 55**  
 **$\alpha = 30^\circ$**

|               |        |
|---------------|--------|
| 835 mm        | 9,4 kg |
| 415 mm        | 4,7 kg |
| 805 mm        | 9,0 kg |
| FRAZ. / SECT. |        |



**3172**

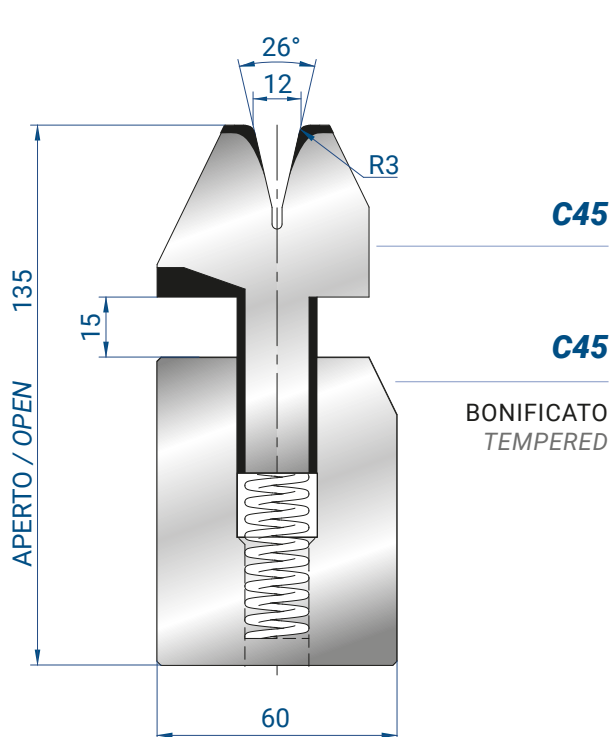
**Mat = C45**  
**Max T/m = 55**  
 **$\alpha = 30^\circ$**

|               |         |
|---------------|---------|
| 835 mm        | 12,9 kg |
| 415 mm        | 6,4 kg  |
| 805 mm        | 12,4 kg |
| FRAZ. / SECT. |         |

 **EUROSTAMP TOOLING**  
the Italian excellence

**3040**

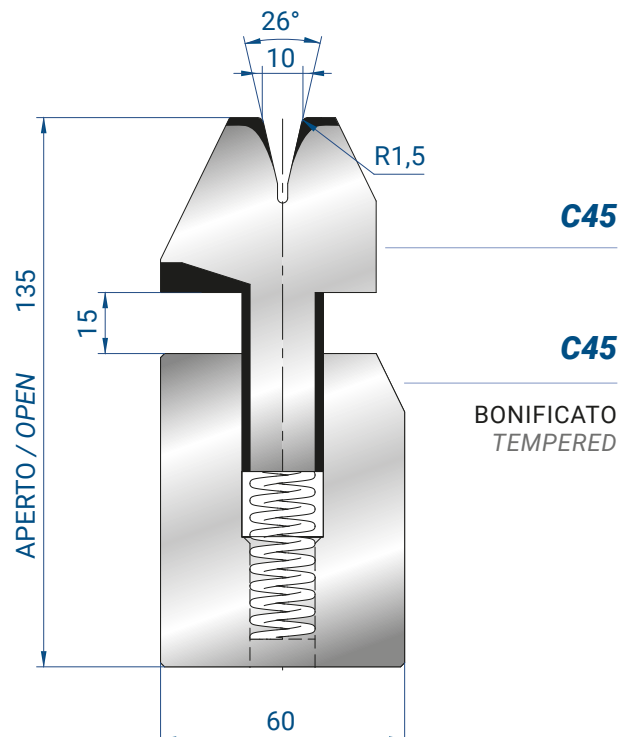
|       |         |
|-------|---------|
| A 26° | V 12    |
| R 3   | L 415   |
| H 135 | 100 T/m |



**3040**

|        |         |
|--------|---------|
| 835 mm | 40,7 kg |
| 415 mm | 20,2 kg |

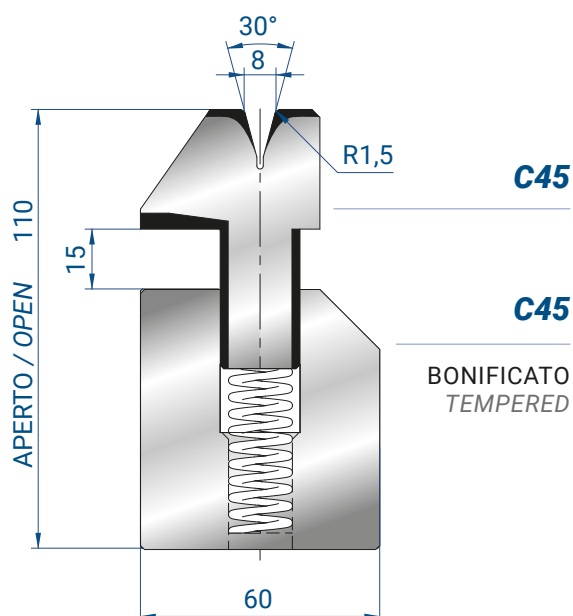
**Spessore /**  
**Sheet metal thickness** =  
Min 1,5 mm - Max 3 mm  
**Max T/m** = 100



**3038**

|        |         |
|--------|---------|
| 835 mm | 41,1 kg |
| 415 mm | 20,4 kg |

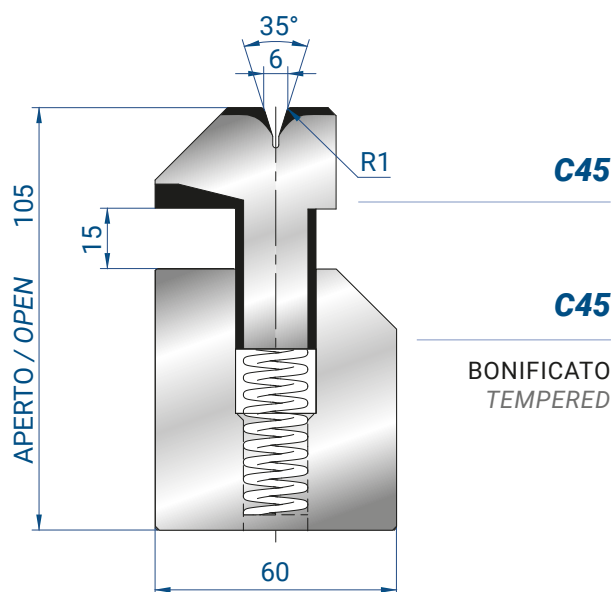
**Spessore /**  
**Sheet metal thickness** =  
Min 1,5 mm - Max 2,5 mm  
**Max T/m** = 100



**3041**

|        |         |
|--------|---------|
| 835 mm | 31,4 kg |
| 415 mm | 15,6 kg |

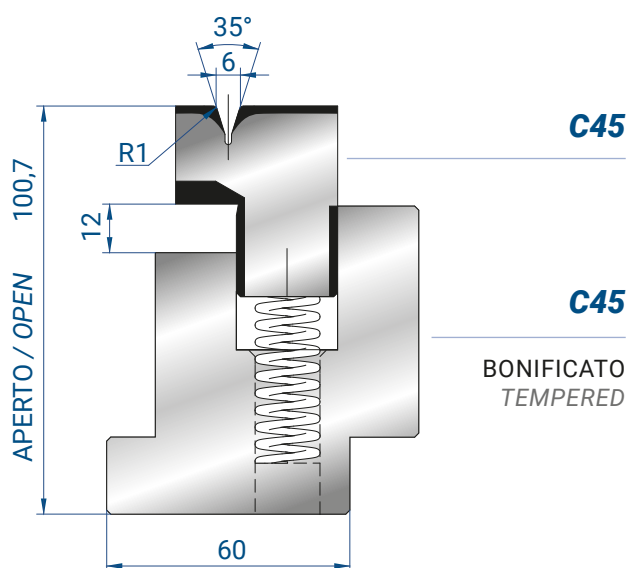
**Spessore /**  
**Sheet metal thickness** = Max 1,5 mm  
**Max T/m** = 80



### 3039

|        |         |
|--------|---------|
| 835 mm | 30,5 kg |
| 415 mm | 15,2 kg |

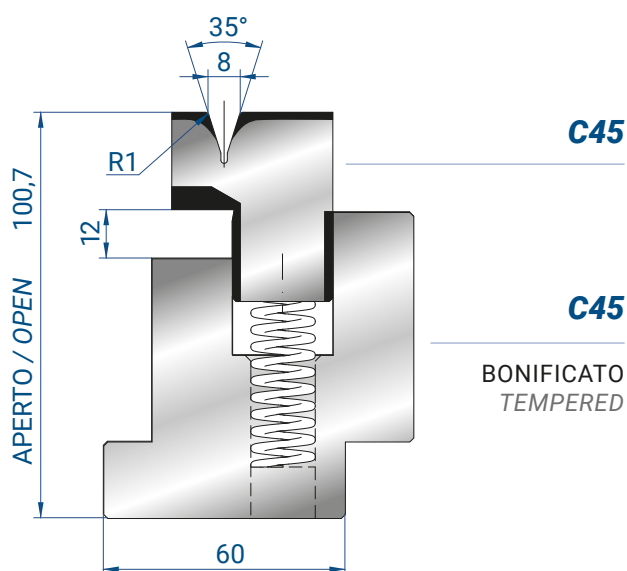
Spessore /  
Sheet metal thickness = Max 1,0 mm  
Max T/m = 80



### 3037/6

|        |         |
|--------|---------|
| 835 mm | 33,9 kg |
| 415 mm | 16,9 kg |

Spessore /  
Sheet metal thickness = Max 1,0 mm  
Max T/m = 60

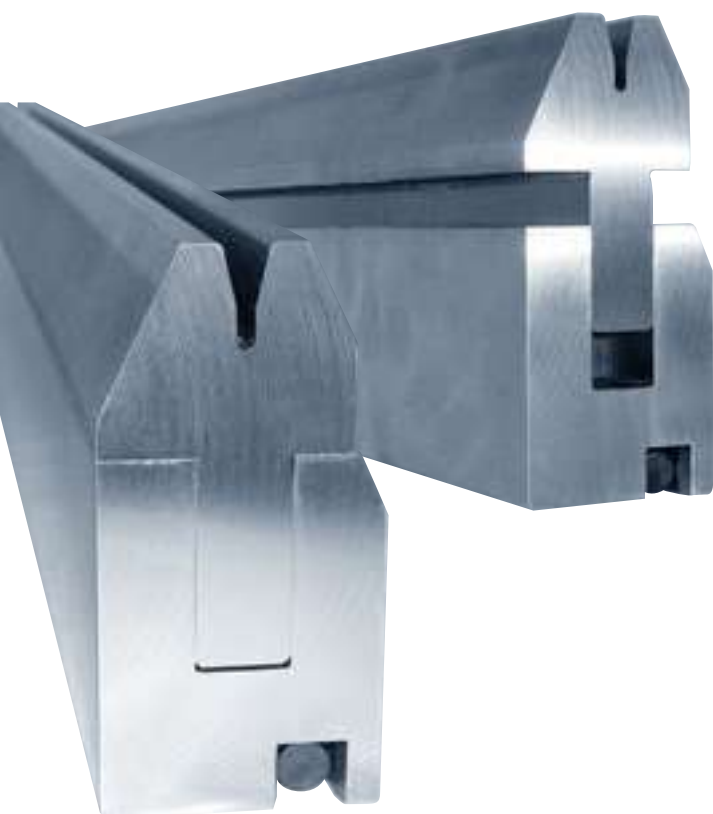


### 3037/8

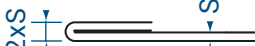
|        |         |
|--------|---------|
| 835 mm | 33,8 kg |
| 415 mm | 16,8 kg |

Spessore /  
Sheet metal thickness = Max 1,2 mm  
Max T/m = 60

## TONNELLAGGI PER SCHIACCIATURA HEMMING POWER



Ferro normale R.45 Kg/mm<sup>q</sup> / Mild Steel R.45 Kg/mm<sup>q</sup>

|  |      |        |  |        |
|------------------------------------------------------------------------------------|------|--------|-------------------------------------------------------------------------------------|--------|
| S mm                                                                               | A mm | Ton /M | 2xS                                                                                 | Ton /M |
| 0,6                                                                                | 3    | 9      | 1,2                                                                                 | 23     |
| 0,8                                                                                | 3    | 12     | 1,6                                                                                 | 32     |
| 1                                                                                  | 3,5  | 15     | 2                                                                                   | 40     |
| 1,25                                                                               | 3,5  | 17     | 2,5                                                                                 | 50     |
| 1,5                                                                                | 4,6  | 22     | 3                                                                                   | 63     |
| 2                                                                                  | 5,5  | 30     | 4                                                                                   | 80     |
| 2,5                                                                                | 6,5  | 55     | 5                                                                                   | 90     |
| 3                                                                                  | 8    | 70     | 6                                                                                   | 100    |

Inox R.70 Kg/mm<sup>q</sup> / Stainless Steel R.70 Kg/mm<sup>q</sup>

|  |      |        |  |        |
|------------------------------------------------------------------------------------|------|--------|-------------------------------------------------------------------------------------|--------|
| S mm                                                                               | A mm | Ton /M | 2xS                                                                                 | Ton /M |
| 0,6                                                                                | 3    | 15     | 1,2                                                                                 | 35     |
| 0,8                                                                                | 3    | 20     | 1,6                                                                                 | 50     |
| 1                                                                                  | 3,5  | 25     | 2                                                                                   | 60     |
| 1,25                                                                               | 3,5  | 26     | 2,5                                                                                 | 80     |
| 1,5                                                                                | 4,6  | 38     | 3                                                                                   | 95     |
| 2                                                                                  | 5.5  | 50     | 4                                                                                   | 130    |

## PIEGASCHIACCIA PNEUMATICI PNEUMATIC FLATTENING HEMMING TOOLS



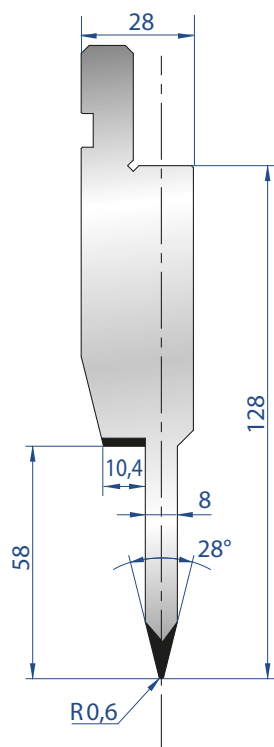
**4313**

4,0 kg

**KIT PNEUMATICO**  
**PNEUMATIC KIT**

NECESSARIO PER  
INSTALLAZIONE SISTEMI  
PNEUMATICI  
MANDATORY FOR  
INSTALLATION OF  
PNEUMATIC SYSTEMS

|                | V  | A   | R   | H aperto/open | Max T/M |
|----------------|----|-----|-----|---------------|---------|
| <b>3038 PN</b> | 10 | 26° | 1,5 | 135           | 100     |
|                |    |     |     | 835 mm        | 41,1 kg |
|                |    |     |     | 415 mm        | 20,4 kg |
| <b>3039 PN</b> | 6  | 35° | 1   | 105           | 80      |
|                |    |     |     | 835 mm        | 30,5 kg |
|                |    |     |     | 415 mm        | 15,2 kg |
| <b>3040 PN</b> | 12 | 26° | 3   | 135           | 100     |
|                |    |     |     | 835 mm        | 40,7 kg |
|                |    |     |     | 415 mm        | 20,2 kg |
| <b>3041 PN</b> | 8  | 30° | 1,5 | 110           | 80      |
|                |    |     |     | 835 mm        | 31,4 kg |
|                |    |     |     | 415 mm        | 15,6 kg |



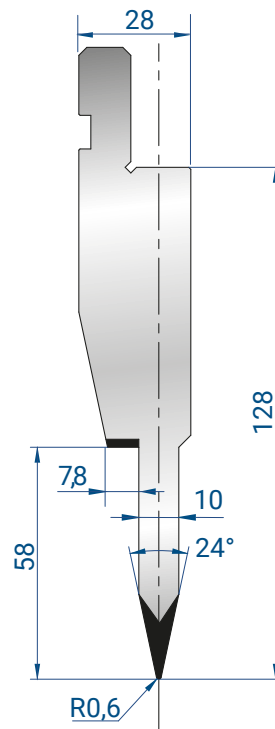
## 1195

**Mat** = C45  
bonificato /  
*tempered*  
**Max T/m** = 80

|               |         |
|---------------|---------|
| 835 mm        | 17,4 kg |
| 415 mm        | 8,7 kg  |
| 805 mm        | 16,0 kg |
| FRAZ. / SECT. |         |

**Spessore /  
Thickness**

Max 1,2 mm  
Ferro / *Mild steel*



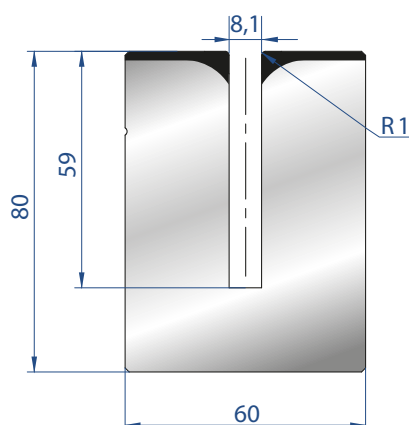
## 1196

**Mat** = C45  
bonificato /  
*tempered*  
**Max T/m** = 80

|               |         |
|---------------|---------|
| 835 mm        | 17,5 kg |
| 415 mm        | 8,7 kg  |
| 805 mm        | 16,1 kg |
| FRAZ. / SECT. |         |

**Spessore /  
Thickness**

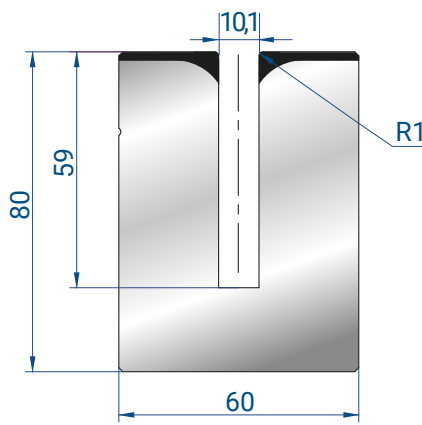
Max 1,5 mm  
Ferro / *Mild steel*



## 3176

**Mat** = C45  
bonificato /  
*tempered*  
**Max T/m** = 50

|               |         |
|---------------|---------|
| 835 mm        | 28,2 kg |
| 415 mm        | 14,0 kg |
| 805 mm        | 27,2 kg |
| FRAZ. / SECT. |         |



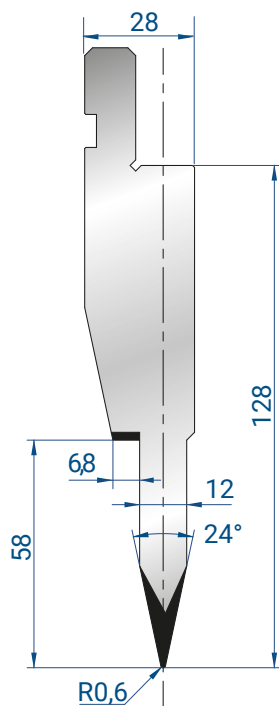
## 3177

**Mat** = C45  
bonificato /  
*tempered*  
**Max T/m** = 50

|               |         |
|---------------|---------|
| 835 mm        | 27,5 kg |
| 415 mm        | 13,7 kg |
| 805 mm        | 26,5 kg |
| FRAZ. / SECT. |         |



# PIEGASCHIACCIA FLATTENING HEMMING TOOLS



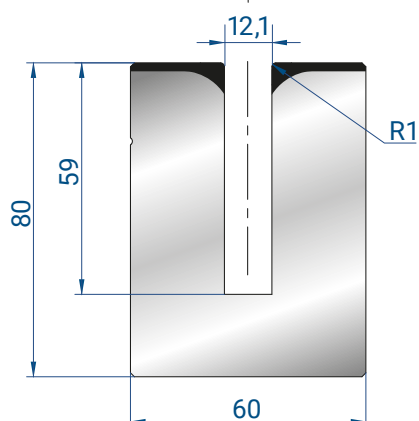
## 1197

**Mat** = C45  
bonificato /  
*tempered*  
**Max T/m** = 80

|               |         |
|---------------|---------|
| 835 mm        | 18,0 kg |
| 415 mm        | 8,9 kg  |
| 805 mm        | 16,5 kg |
| FRAZ. / SECT. |         |

**Spessore /**  
**Thickness**

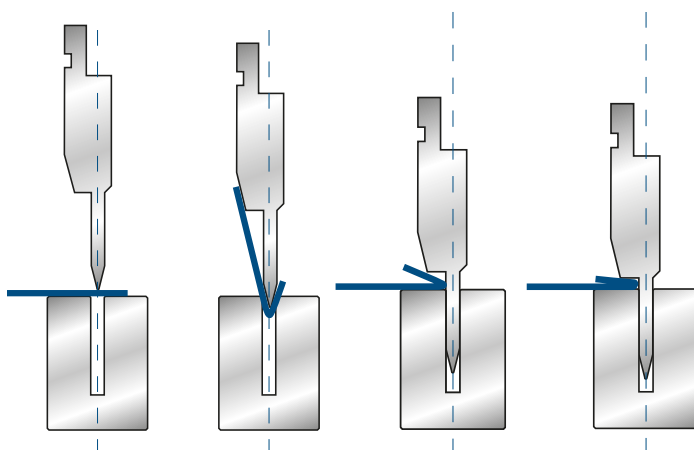
Max 1,5 mm  
Ferro / *Mild steel*



## 3178

**Mat** = C45  
bonificato /  
*tempered*  
**Max T/m** = 50

|               |         |
|---------------|---------|
| 835 mm        | 26,7 kg |
| 415 mm        | 13,3 kg |
| 805 mm        | 25,7 kg |
| FRAZ. / SECT. |         |







# ESH

EUROSTAMP SAME HEIGHT

## UTENSILI SERIE ESH (Eurostamp Same Height)

EUROSTAMP ESPANDE LA PROPRIA GAMMA INTRODUCENDO UNA NUOVA SERIE COMPLETA DI UTENSILI (SUPERIORI ED INFERIORI) CONFORMI AI SISTEMI DI STAFFAGGIO STILE EUROPEO (AMADA/PROMECAM).

*EUROSTAMP IS EXPANDING ITS PRODUCT RANGE BY INTRODUCING A FULLY NEW SERIES (UPPER AND LOWER) THAT CONFORMS TO THE EUROPEAN STYLE CLAMPING SYSTEM (AMADA/PROMECAM STYLE).*

### CARATTERISTICHE COMUNI

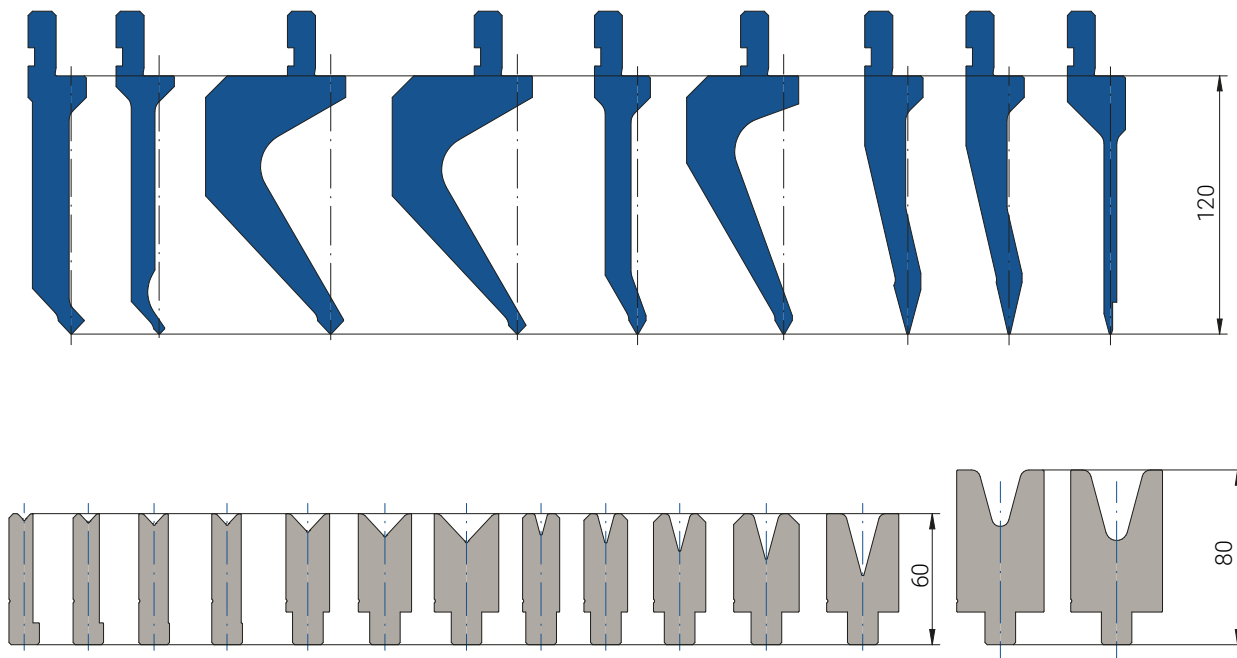
Tutti gli utensili della serie sono prodotti utilizzando acciaio premium al CrMo che, grazie all'elevato carico di rottura (950-1050 N/mm<sup>2</sup>), consente di raggiungere tonnellaggi più elevati a parità di sezioni degli utensili.

Il trattamento di indurimento degli utensili è differenziato fra punzoni e matrici, per ottenere le migliori prestazioni in base alla loro differente modalità di utilizzo.

### COMMON FEATURES

*All tooling among this series is produced with high quality "premium" CrMo steel that, thanks to its superior tensile strength (950-1050 N/mm<sup>2</sup>), allows to withstand the highest tonnages even with small tool sections.*

*The tooling thermal treatment is differentiated between punches and dies, to obtain the best performance according to their different working condition.*



## INNOVAZIONE NEGLI UTENSILI SUPERIORI

Punzoni temprati ad induzione sulla punta fino a 55-58 HRC e per una profondità media di oltre 3mm: elevata durezza del raggio di punta e di tutta la superficie a contatto con la lamiera.

La gamma comprende punzoni con angoli ad 86°; 60°; 30°; 26°.

Forme dei punzoni ridisegnate per ottenere la massima flessibilità (quantità di profili fabbricabili).

Altezza di lavoro 120mm: adattabile alle caratteristiche di luce e corsa della maggior parte di piegatrici presenti sul mercato.

Altezza di lavoro identica per tutti i punzoni della gamma: possibilità di fabbricare profili complessi con angoli a 90° installando qualunque punzone in modalità "a stazioni (staged)".

## UPPER TOOLING INNOVATION

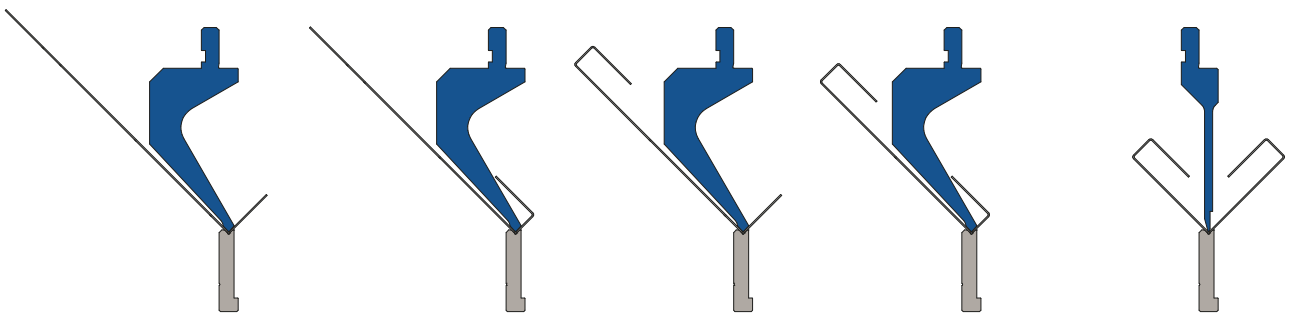
*Punches are hardened by induction on their tip, up to 55-58 HRC, at a depth of more than 3mm: extreme hardness of the punch tip in order to grant a larger lifespan.*

*Wide range of angles: 86°; 60°; 30°; 26°.*

*The punch shapes have been redesigned, based on years of experience, in order to improve their effectiveness and flexibility (quantity of feasible product profiles).*

*Working height is 120mm: it can fit on almost any daylight and stroke dimension, making these punches installable on almost any press brakes available in the market.*

*All the punches working height is exactly the same to allow the fabrication of complex products whose angles are 90° by installing the punches in stages (bending stations).*



## INNOVAZIONE NEGLI UTENSILI INFERIORI

Inseri matrice sottoposti a nitrurazione: tutta la superficie della matrice, e non solamente le spalle, è rivestita da un sottile strato di nitruro con durezza fino a 65 HRC: importante riduzione del rischio di danneggiamento delle pareti laterali della V e significativa riduzione dell'adesione superficiale di particelle estranee (zinco e altre polveri) alle spalle e alle pareti della V.

La superficie delle matrici, infine, viene sottoposta a fosfatazione per incrementarne la protezione dall'ossidazione.

La gamma comprende inserti matrice ad 86° e a 30° con ampiezze da 6 a 25mm.

## LOWER TOOLING INNOVATIONS (INSERT DIE ARCHITECTURE)

*The insert dies are gas-nitrided; the whole tool external surface (not only its shoulders) is coated by a thin nitride layer whose hardness is up to 65 HRC: the significant increase of the surface hardness do not only improves the die shoulder resistance to the friction against the sheet surface, but, because even the die groove tilted sides have the same hardness, their wearing is reduced, as well as it's reduced the adhesion of foreign particles (Zinc and other dust) that could cause the "galling" phenomenon.*

*The die surface is, then, subjected to a phosphate conversion coating, that's the reason of their black color. This treatment increases the die surface protection against the oxidation.*

*The die inserts widths range goes from 6 to 25mm at 86° and 30°.*

Forme degli inserti matrice ridisegnate per adeguarle alle esigenze odierne:

Ampi raggi di raccordo (per ridurre l'entità di eventuali impronte sulla lamiera).

Il corpo degli inserti matrice con larghezza di V di dimensioni ridotte, è stato modificato per offrire una maggiore versatilità nella fabbricazione di pieghe più complesse come quelle che prevedono contro pieghe.

Gli angoli esterni degli inserti matrice sono dotati di smussi che riducono la probabilità di collisioni con eventuali deformazioni posizionate in prossimità delle linee di piega.

*The die inserts shape has been re-designed according to the actual fabrication requirements:*

*Wide shoulder radii (to decrease the risk of sheet marking).*

*The small V width insert dies body has been relieved: its thinner dimension will help to fabricate more complex product profiles, like short offset bends (frequently required when working with thin sheets).*

*Some of the insert dies corners has been replaced by chamfers, in order to decrease the probability of collisions against obstacles (burrings, deformations...) located even very near to the bending line.*

#### FORNITURE DISPONIBILI COME OPZIONE (a pagamento)

A richiesta, anche i punzoni possono essere sottoposti al trattamento di fosfatazione, costituito da un rivestimento superficiale a base di fosfato che ricopre la superficie con uno strato cristallino protettivo in grado di conferire una elevata resistenza alla corrosione.

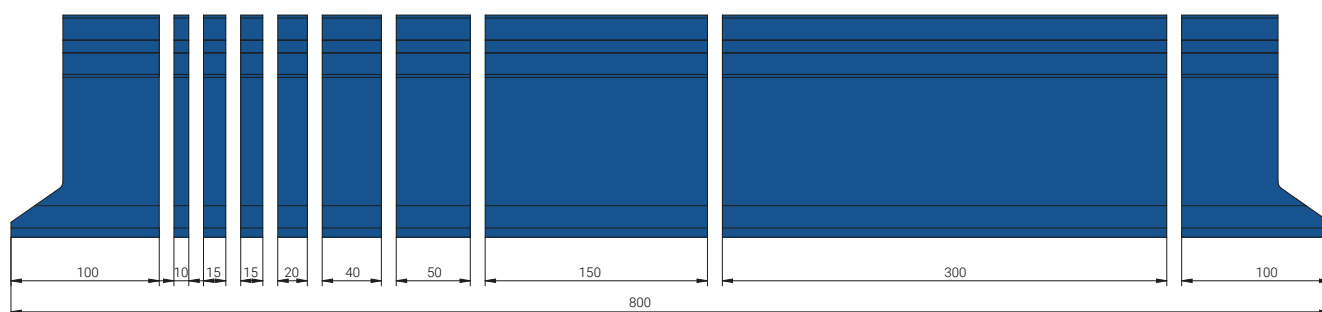
Il costo del trattamento varia in funzione del peso.

#### OPTIONAL ADD-ON

*The punches surfaces could be subjected to phosphate conversion coating: chemical treatment that creates a thin adhering layer of phosphates, to achieve corrosion resistance and lubrication.*

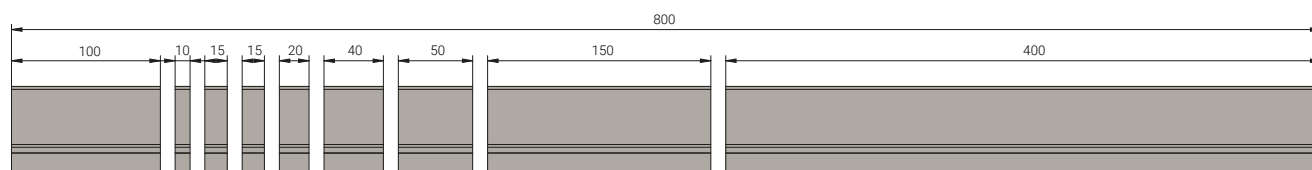
*The treatment additional cost will be charged according to the total weight.*

#### INNOVAZIONE NELLA FRAZIONATURA STANDARD INNOVATION OF THE STANDARD SECTIONING



#### UTENSILI SUPERIORI (LUNGHEZZA TOTALE 800MM): UPPER TOOLING (NEW TOTAL LENGTH 800MM):

100mm SX – 10mm – 15mm – 15mm – 20mm – 40mm – 50mm – 150mm – 300mm – 100mm DX



#### UTENSILI INFERIORI (LUNGHEZZA TOTALE 800MM): LOWER TOOLS (NEW TOTAL LENGTH 800MM):

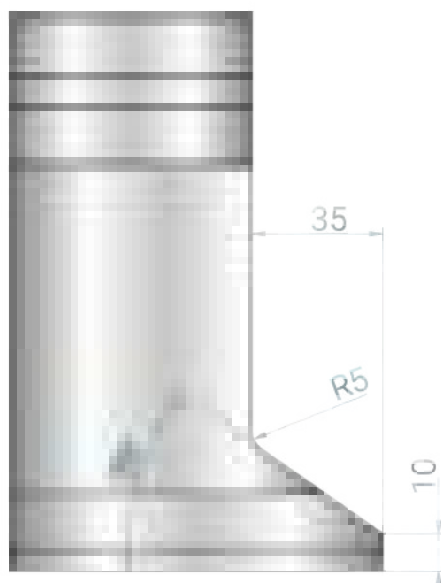
100mm – 10mm – 15mm – 15mm – 20mm – 40mm – 50mm – 150mm – 400mm

**SCARPETTE ESH STANDARD**  
**STANDARD ESH HORN**

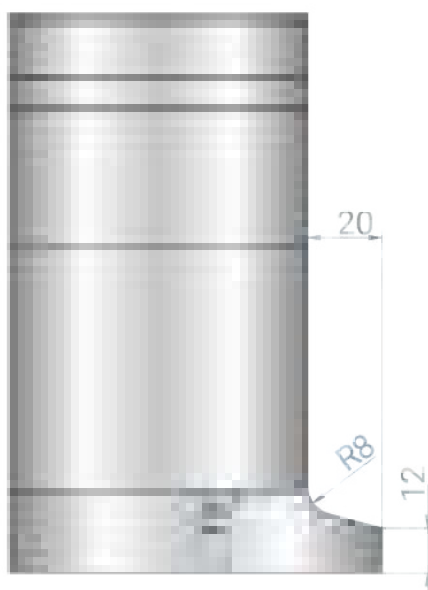
**SCARPETTE ESH STANDARD**  
**STANDARD ESH HORN**

**UTENSILI SUPERIORI**  
LUNGHEZZA STANDARD 100MM

**UPPER TOOLS**  
STANDARD LENGHT 100MM



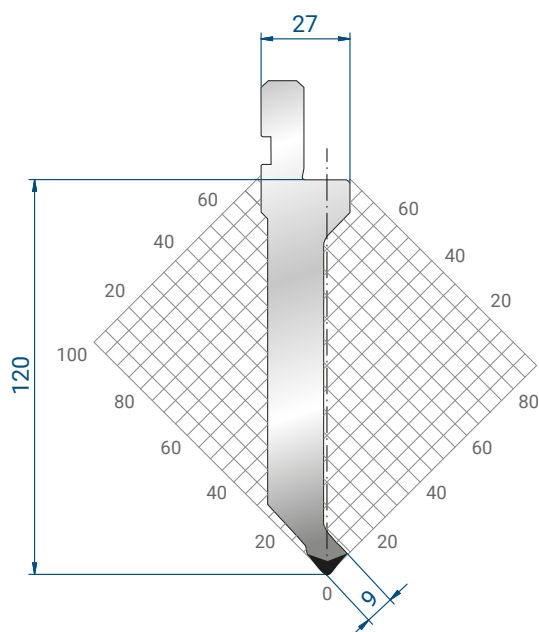
**1340, 1343, 1344,  
1345, 1346**



**1347, 1348**



**1341, 1342, 1349**



### 1340

**Mat** = CrMo Steel  
*bonificato/ tempered*

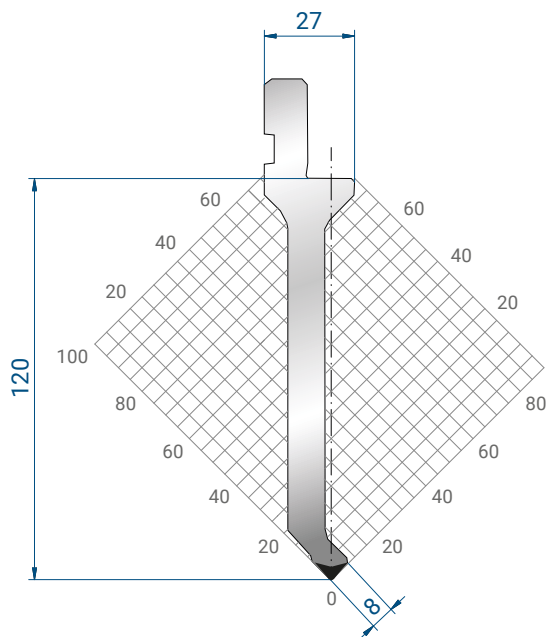
**H** = 120 mm

**Max T/m** = 100

**α** = 86°

**R** = 0.6

|               |         |
|---------------|---------|
| 835 mm        | 15,6 kg |
| 415 mm        | 7,8 kg  |
| 800 mm        | 13,8 kg |
| FRAZ. / SECT. |         |



### 1341

**Mat** = CrMo Steel  
*bonificato/ tempered*

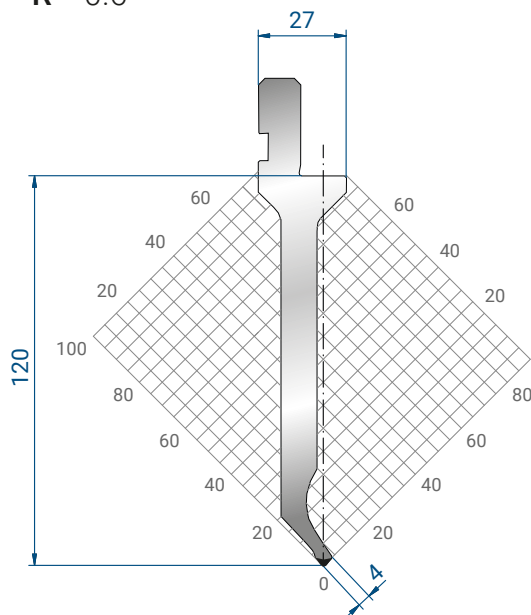
**H** = 120 mm

**Max T/m** = 50

**α** = 86°

**R** = 0.6

|               |         |
|---------------|---------|
| 835 mm        | 11,7 kg |
| 415 mm        | 5,8 kg  |
| 800 mm        | 10,6 kg |
| FRAZ. / SECT. |         |



### 1342

**Mat** = CrMo Steel  
*bonificato/ tempered*

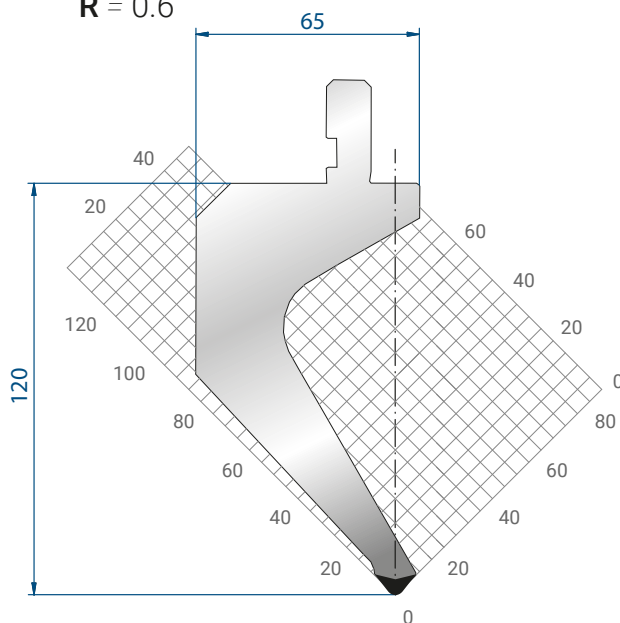
**H** = 120 mm

**Max T/m** = 30

**α** = 86°

**R** = 0.6

|               |         |
|---------------|---------|
| 835 mm        | 11,2 kg |
| 415 mm        | 5,5 kg  |
| 800 mm        | 10,0 kg |
| FRAZ. / SECT. |         |



### 1343

**Mat** = CrMo Steel  
*bonificato/ tempered*

**H** = 120 mm

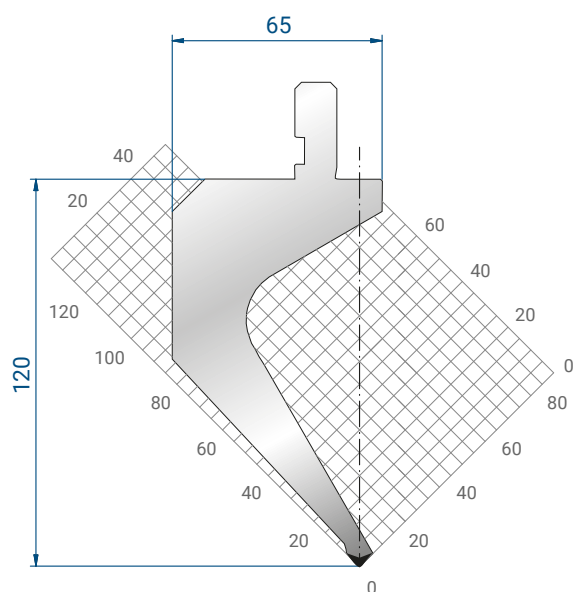
**Max T/m** = 50

**α** = 86°

**R** = 0.6

|               |         |
|---------------|---------|
| 835 mm        | 26,6 kg |
| 415 mm        | 12,5 kg |
| 800 mm        | 22,2 kg |
| FRAZ. / SECT. |         |

## PUNZONI 86° / PUNCH 86°

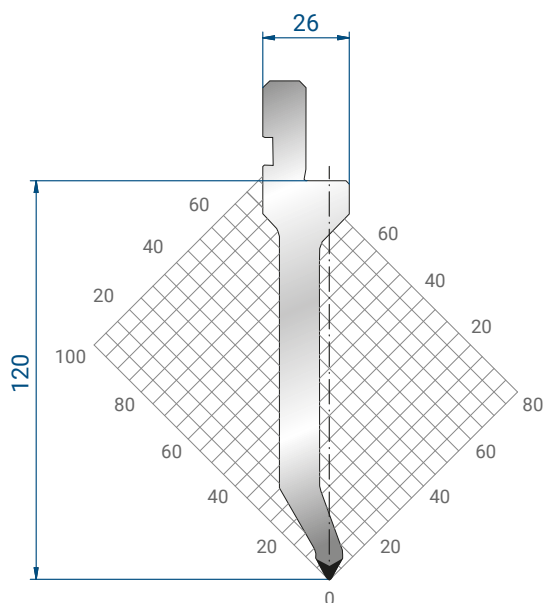


### 1344

**Mat** = CrMo Steel  
*bonificato/ tempered*  
**H** = 120 mm  
**Max T/m** = 45  
 $\alpha$  = 86°  
**R** = 0.6

|               |         |
|---------------|---------|
| 835 mm        | 23,4 kg |
| 415 mm        | 11,7 kg |
| 800 mm        | 20,6 kg |
| FRAZ. / SECT. |         |

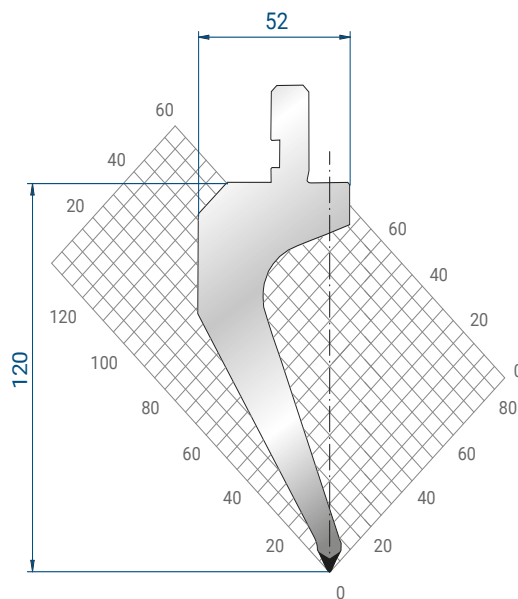
## PUNZONI 60° / PUNCH 60°



### 1345

**Mat** = CrMo Steel  
*bonificato/ tempered*  
**H** = 120 mm  
**Max T/m** = 70  
 $\alpha$  = 60°  
**R** = 0.6

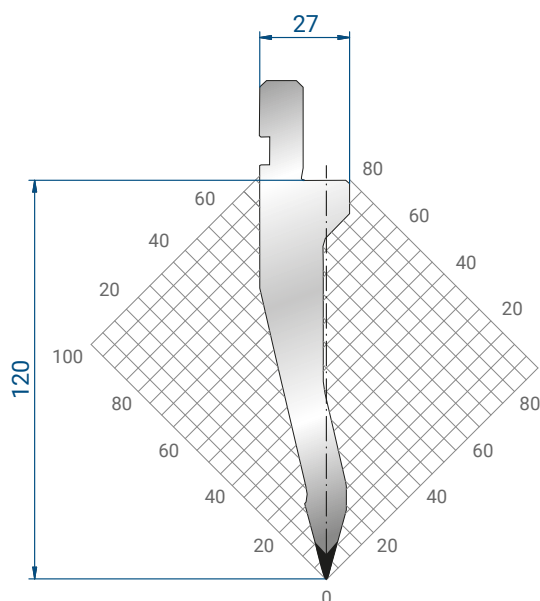
|               |         |
|---------------|---------|
| 835 mm        | 12,4 kg |
| 415 mm        | 6,2 kg  |
| 800 mm        | 11,0 kg |
| FRAZ. / SECT. |         |



### 1346

**Mat** = CrMo Steel  
*bonificato/ tempered*  
**H** = 120 mm  
**Max T/m** = 70  
 $\alpha$  = 60°  
**R** = 0.6

|               |         |
|---------------|---------|
| 835 mm        | 19,2 kg |
| 415 mm        | 9,6 kg  |
| 800 mm        | 16,9 kg |
| FRAZ. / SECT. |         |


**1347**

**Mat** = CrMo Steel  
*bonificato/ tempered*

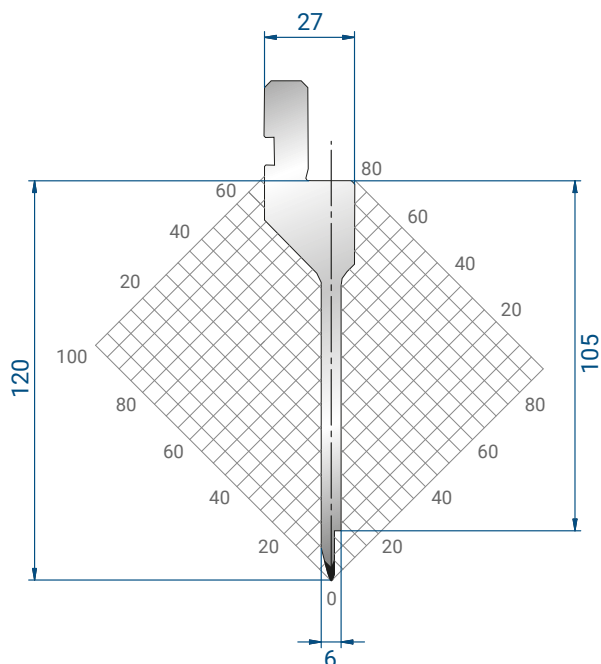
**H** = 120 mm

**Max T/m** = 100

**α** = 30°

**R** = 0.6

|               |         |
|---------------|---------|
| 835 mm        | 14,0 kg |
| 415 mm        | 7,0 kg  |
| 800 mm        | 12,8 kg |
| FRAZ. / SECT. |         |


**1349**

**Mat** = CrMo Steel  
*bonificato/ tempered*

**H** = 120 mm

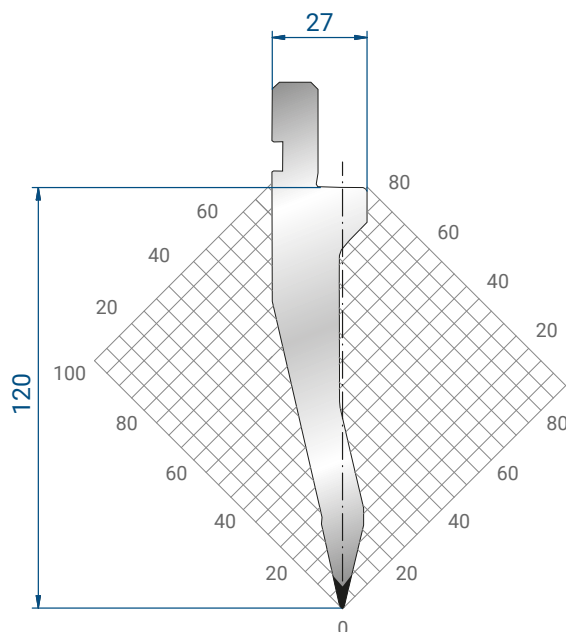
**Max T/m** = 45

**α** = 30°

**R** = 0.6

|               |         |
|---------------|---------|
| 835 mm        | 13,9 kg |
| 415 mm        | 4,9 kg  |
| 800 mm        | 8,8 kg  |
| FRAZ. / SECT. |         |

## PUNZONI 26° / PUNCH 26°


**1348**

**Mat** = CrMo Steel  
*bonificato/ tempered*

**H** = 120 mm

**Max T/m** = 100

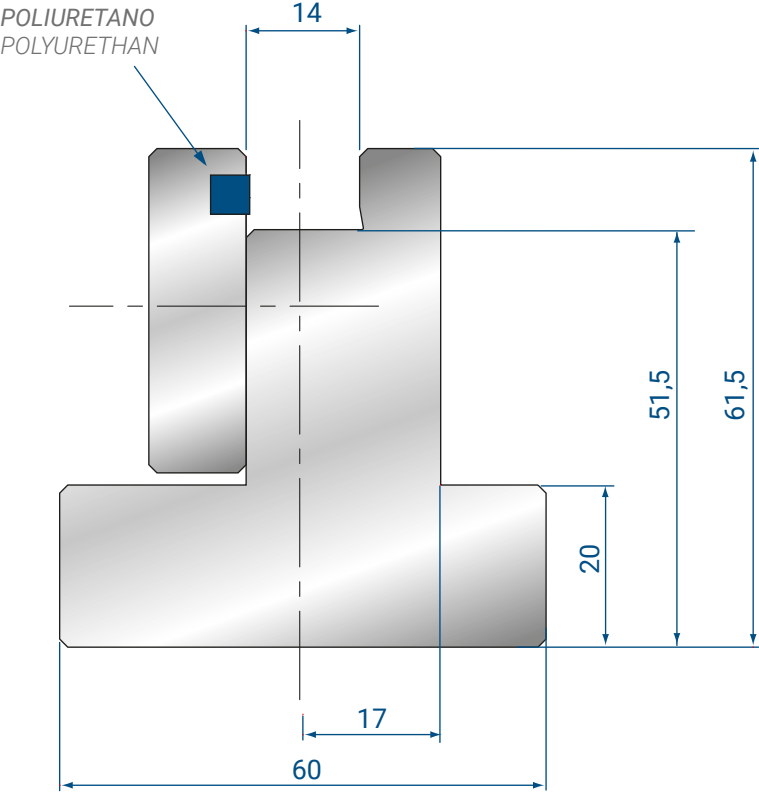
**α** = 26°

**R** = 0.6

|               |         |
|---------------|---------|
| 835 mm        | 13,9 kg |
| 415 mm        | 6,9 kg  |
| 800 mm        | 12,7 kg |
| FRAZ. / SECT. |         |

SUPPORTO PER INSERTI MATRICE ESH

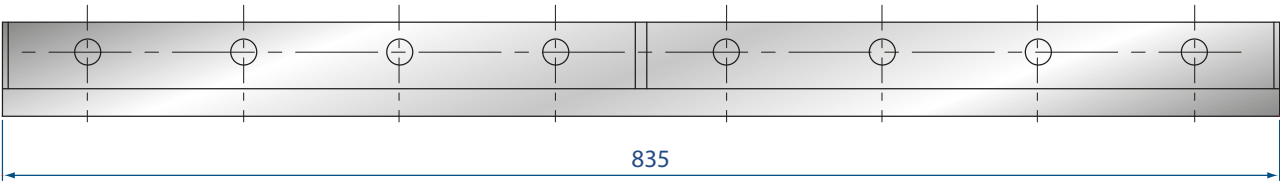
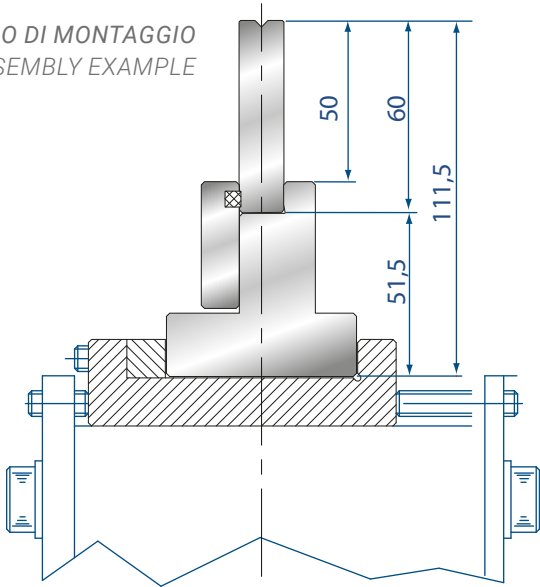
ESH DIES INSERT HOLDER

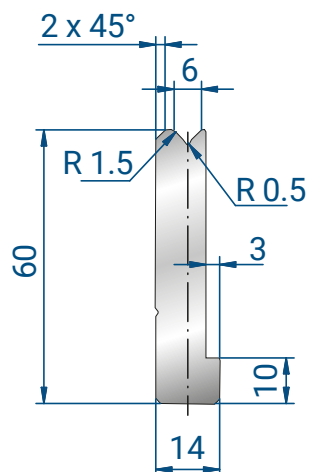


3173

|        |         |
|--------|---------|
| 835 mm | 17,0 kg |
| 415 mm | 8,0 kg  |

ESEMPIO DI MONTAGGIO  
ASSEMBLY EXAMPLE

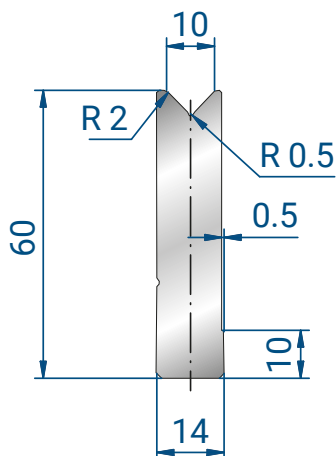




### 3320 - V6

**Mat** = CrMo Steel  
*nitrurato e fosfatato/  
nitrided and  
phosphatized*  
**H** = 60 mm  
**Max T/m** = 80  
**α** = 86°  
**R** = 1.5

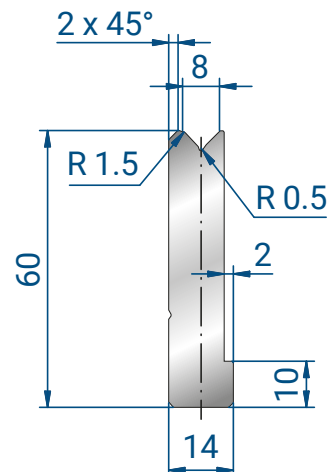
|                         |        |
|-------------------------|--------|
| 835 mm                  | 4,4 kg |
| 415 mm                  | 2,2 kg |
| 800 mm<br>FRAZ. / SECT. | 4,2 kg |



### 3322 - V10

**Mat** = CrMo Steel  
*nitrurato e fosfatato/  
nitrided and  
phosphatized*  
**H** = 60 mm  
**Max T/m** = 100  
**α** = 86°  
**R** = 2

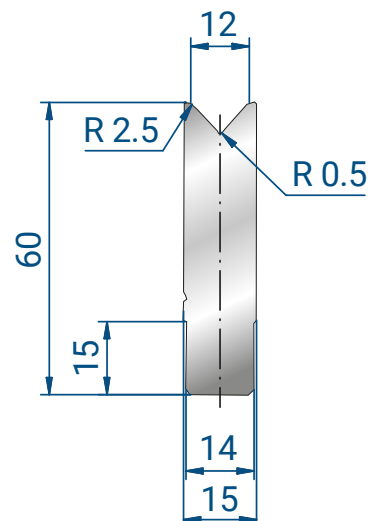
|                         |        |
|-------------------------|--------|
| 835 mm                  | 5,1 kg |
| 415 mm                  | 2,5 kg |
| 800 mm<br>FRAZ. / SECT. | 4,9 kg |



### 3321 - V8

**Mat** = CrMo Steel  
*nitrurato e fosfatato/  
nitrided and  
phosphatized*  
**H** = 60 mm  
**Max T/m** = 90  
**α** = 86°  
**R** = 1.5

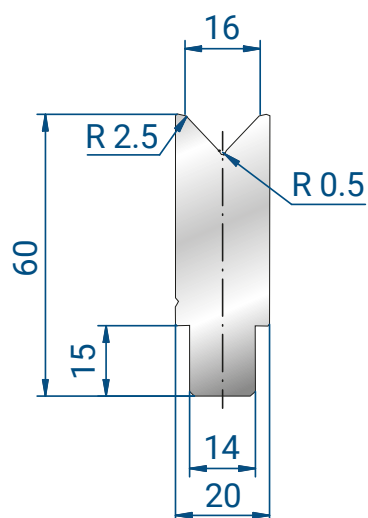
|                         |        |
|-------------------------|--------|
| 835 mm                  | 4,7 kg |
| 415 mm                  | 2,3 kg |
| 800 mm<br>FRAZ. / SECT. | 4,5 kg |



### 3323 - V12

**Mat** = CrMo Steel  
*nitrurato e fosfatato/  
nitrided and  
phosphatized*  
**H** = 60 mm  
**Max T/m** = 100  
**α** = 86°  
**R** = 2.5

|                         |        |
|-------------------------|--------|
| 835 mm                  | 5,5 kg |
| 415 mm                  | 2,7 kg |
| 800 mm<br>FRAZ. / SECT. | 5,3 kg |



### 3324 - V16

**Mat** = CrMo Steel  
*nitrurato e fosfatato/  
nitrided and  
phosphatized*

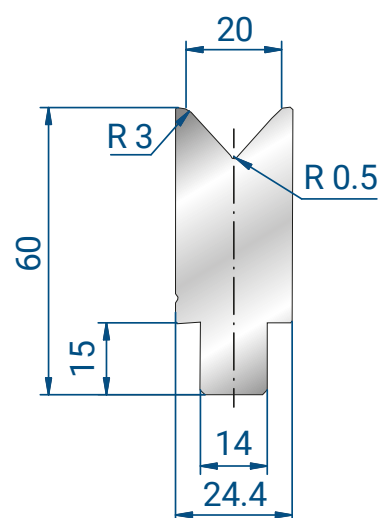
**H** = 60 mm

**Max T/m** = 100

**$\alpha$**  = 86°

**R** = 2.5

|                         |        |
|-------------------------|--------|
| 835 mm                  | 6,8 kg |
| 415 mm                  | 3,4 kg |
| 800 mm<br>FRAZ. / SECT. | 6,5 kg |



### 3325 - V20

**Mat** = CrMo Steel  
*nitrurato e fosfatato/  
nitrided and  
phosphatized*

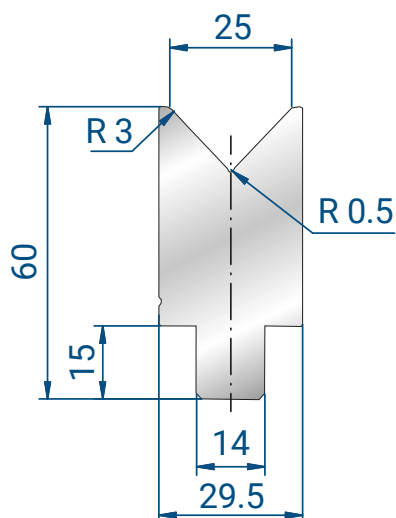
**H** = 60 mm

**Max T/m** = 100

**$\alpha$**  = 86°

**R** = 3

|                         |        |
|-------------------------|--------|
| 835 mm                  | 7,8 kg |
| 415 mm                  | 3,9 kg |
| 800 mm<br>FRAZ. / SECT. | 7,5 kg |



### 3326 - V25

**Mat** = CrMo Steel  
*nitrurato e fosfatato/  
nitrided and  
phosphatized*

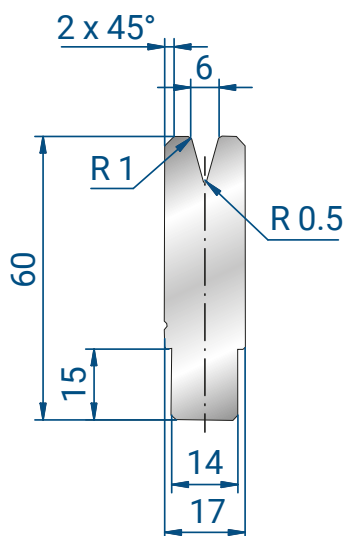
**H** = 60 mm

**Max T/m** = 100

**$\alpha$**  = 86°

**R** = 3

|                         |        |
|-------------------------|--------|
| 835 mm                  | 8,9 kg |
| 415 mm                  | 4,4 kg |
| 800 mm<br>FRAZ. / SECT. | 8,6 kg |



### 3327 - V6

**Mat** = CrMo Steel  
*nitrurato e fosfatato/  
nitrided and  
phosphatized*

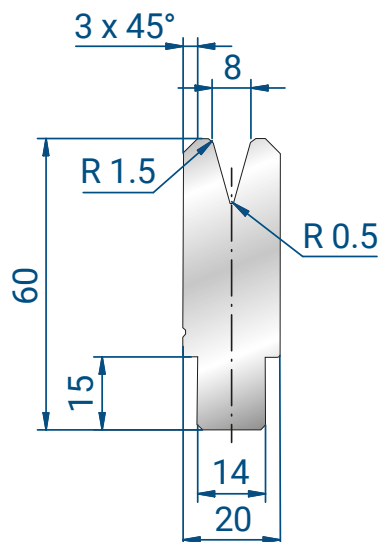
**H** = 60 mm

**Max T/m** = 50

**α** = 30°

**R** = 1

|                         |        |
|-------------------------|--------|
| 835 mm                  | 6,1 kg |
| 415 mm                  | 3,0 kg |
| 800 mm<br>FRAZ. / SECT. | 5,9 kg |



### 3328 - V8

**Mat** = CrMo Steel  
*nitrurato e fosfatato/  
nitrided and  
phosphatized*

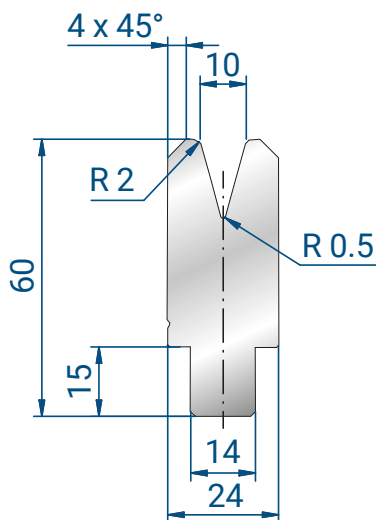
**H** = 60 mm

**Max T/m** = 60

**α** = 30°

**R** = 1.5

|                         |        |
|-------------------------|--------|
| 835 mm                  | 6,8 kg |
| 415 mm                  | 3,4 kg |
| 800 mm<br>FRAZ. / SECT. | 6,5 kg |



### 3329 - V10

**Mat** = CrMo Steel  
*nitrurato e fosfatato/  
nitrided and  
phosphatized*

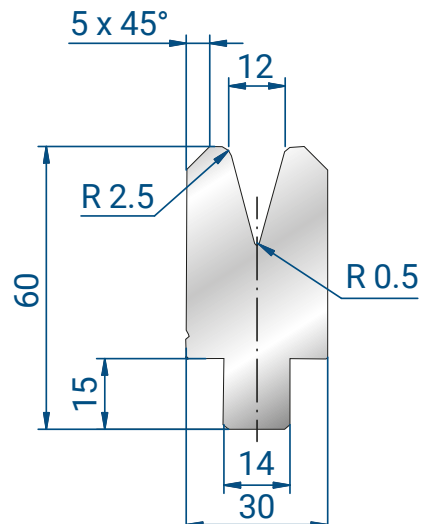
**H** = 60 mm

**Max T/m** = 70

**α** = 30°

**R** = 2

|                         |        |
|-------------------------|--------|
| 835 mm                  | 7,7 kg |
| 415 mm                  | 3,8 kg |
| 800 mm<br>FRAZ. / SECT. | 7,4 kg |



### 3330 - V12

**Mat** = CrMo Steel  
*nitrurato e fosfatato/  
nitrided and  
phosphatized*

**H** = 60 mm

**Max T/m** = 80

**α** = 30°

**R** = 2.5

|                         |        |
|-------------------------|--------|
| 835 mm                  | 9,1 kg |
| 415 mm                  | 4,5 kg |
| 800 mm<br>FRAZ. / SECT. | 8,8 kg |



# TRUMPF STYLE

**Gli utensili superiori e inferiori elencati in questa sezione possono essere installati sulle piegatrici:**

Trumpf, LVD , Darley, Safan e su altre piegatrici equipaggiate con Sistema NSCL.

Questi utensili possono essere installati anche su altre piegatrici tramite adattatori superiori e inferiori.

***The upper and lower tooling listed in this section could be installed on the following press brakes:***

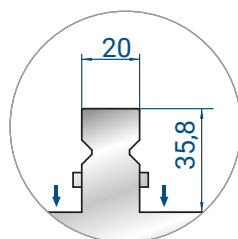
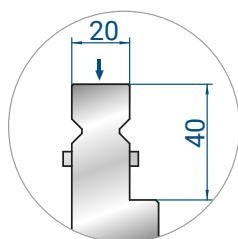
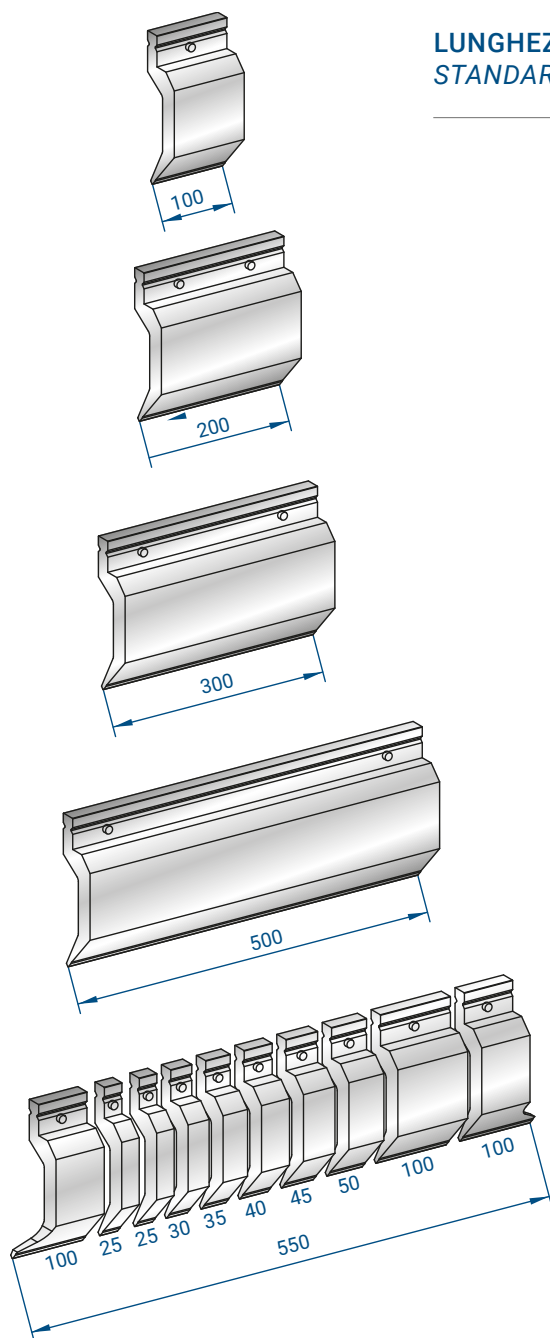
*Trumpf, Darley, Safan, and other press brakes equipped with Wila style clamping system.*

*These tooling could even be installed on press brakes equipped with different clamping system by choosing the appropriate upper and lower adapters.*

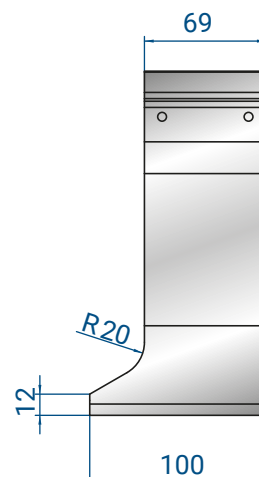


VEDI PAG. 111 PER SCHEMA FRAZIONATURA MATRICI  
SEE PAGE 111 FOR DIE SEGMENTATION DIAGRAM

## LUNGHEZZE STANDARD STANDARD LENGTHS

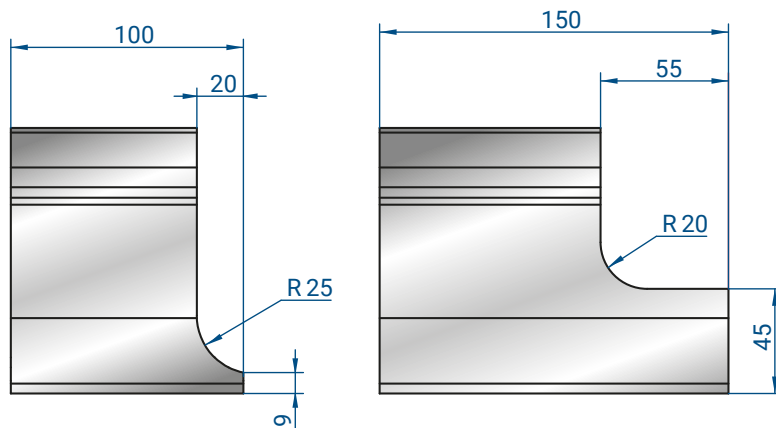


## FRESATURA SCARPETTA MILLED HORN



IL PULSANTE DI SICUREZZA VIENE MONTATO STANDARD SU TUTTI GLI UTENSILI CON PESO FINO A 13,5 KG

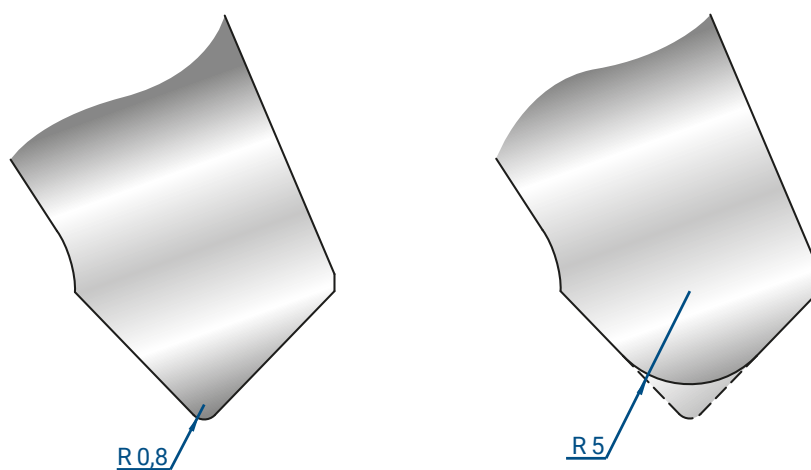
THE SAFETY BUTTON IS A STANDARD SUPPLY ON ALL TOOLING UP TO 13.5 KG WEIGH



SCARPETTE SPECIALI  
SPECIAL HORNS



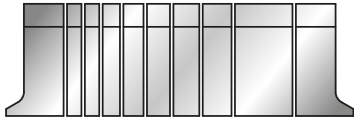
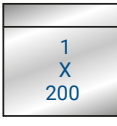
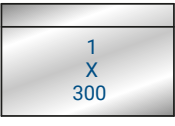
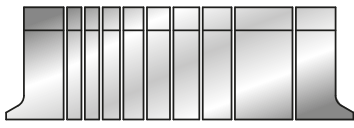
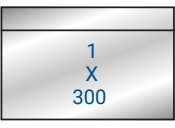
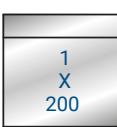
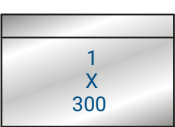
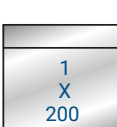
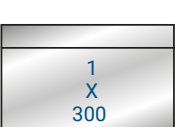
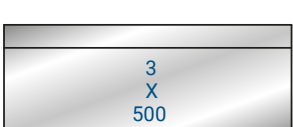
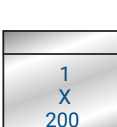
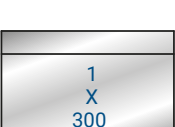
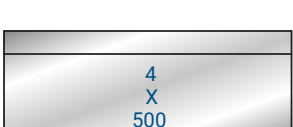
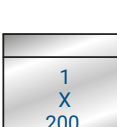
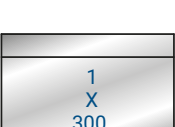
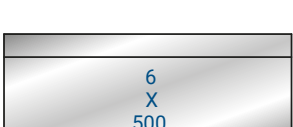
TAGLI SU RICHIESTA  
SPECIAL SEGMENTATION



MODIFICA RAGGIO  
RADIUS MODIFICATION

# FRAZIONATURE PER PUNZONI SEGMENTATION FOR PUNCHES

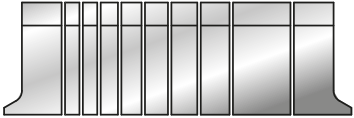
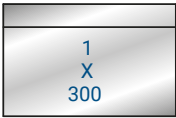
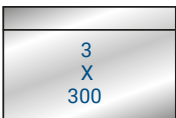
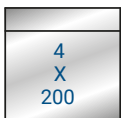
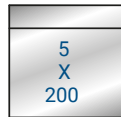
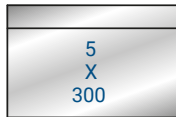
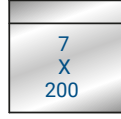
**1233 - 1234 - 1235 - 1236**  
**1237 - 1238 - 1295**  
**1302 - 1308 - 1313 - 1314**  
**1316 - 1317 - 1318**

|      |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 550  |    |                                                                                     |                                                                                      |                                                                                       |
| 1050 |    |    |    |                                                                                       |
| 1250 |  |  |  |                                                                                       |
| 2050 |  |  |  |  |
| 2550 |  |  |  |  |
| 3050 |  |  |  |  |
| 4050 |  |  |  |  |

# FRAZIONATURE PER PUNZONI SEGMENTATION FOR PUNCHES

## 1294 - 1303 - 1319 - 1320

TRUMPF STYLE

|      |                                                                                     |                                                                                     |                                                                                       |
|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 550  |    |                                                                                     |                                                                                       |
| 1050 |    |    |    |
| 1250 |  |  |  |
| 2050 |  |  |  |
| 2550 |  |  |  |
| 3050 |  |  |  |
| 4050 |  |  |  |

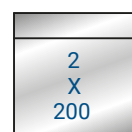
# FRAZIONATURE PER PUNZONI SEGMENTATION FOR PUNCHES

1315

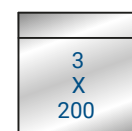
550



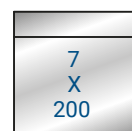
1050



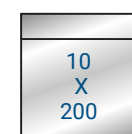
1250



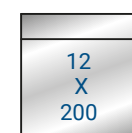
2050



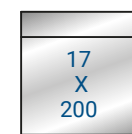
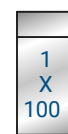
2550

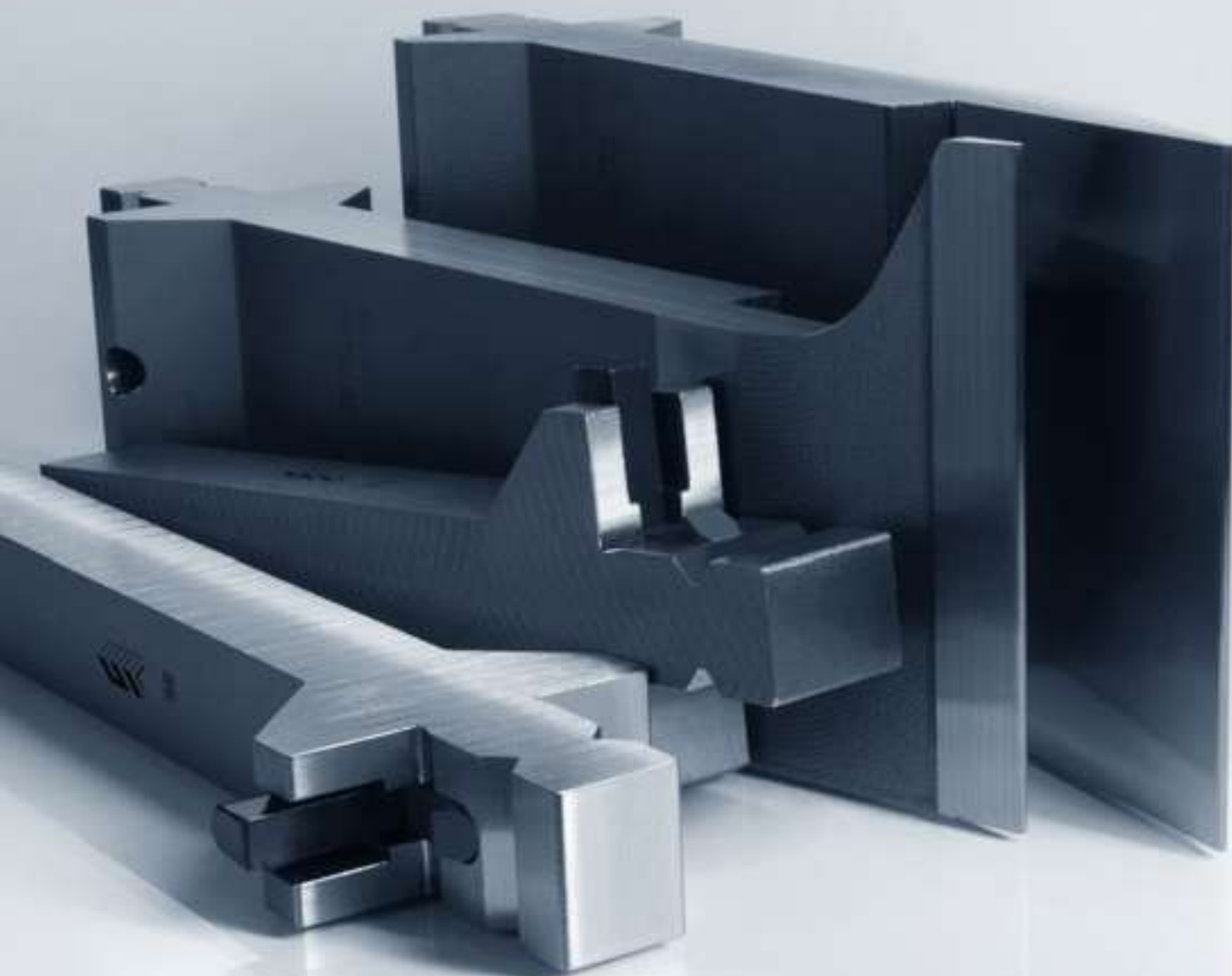


3050



4050





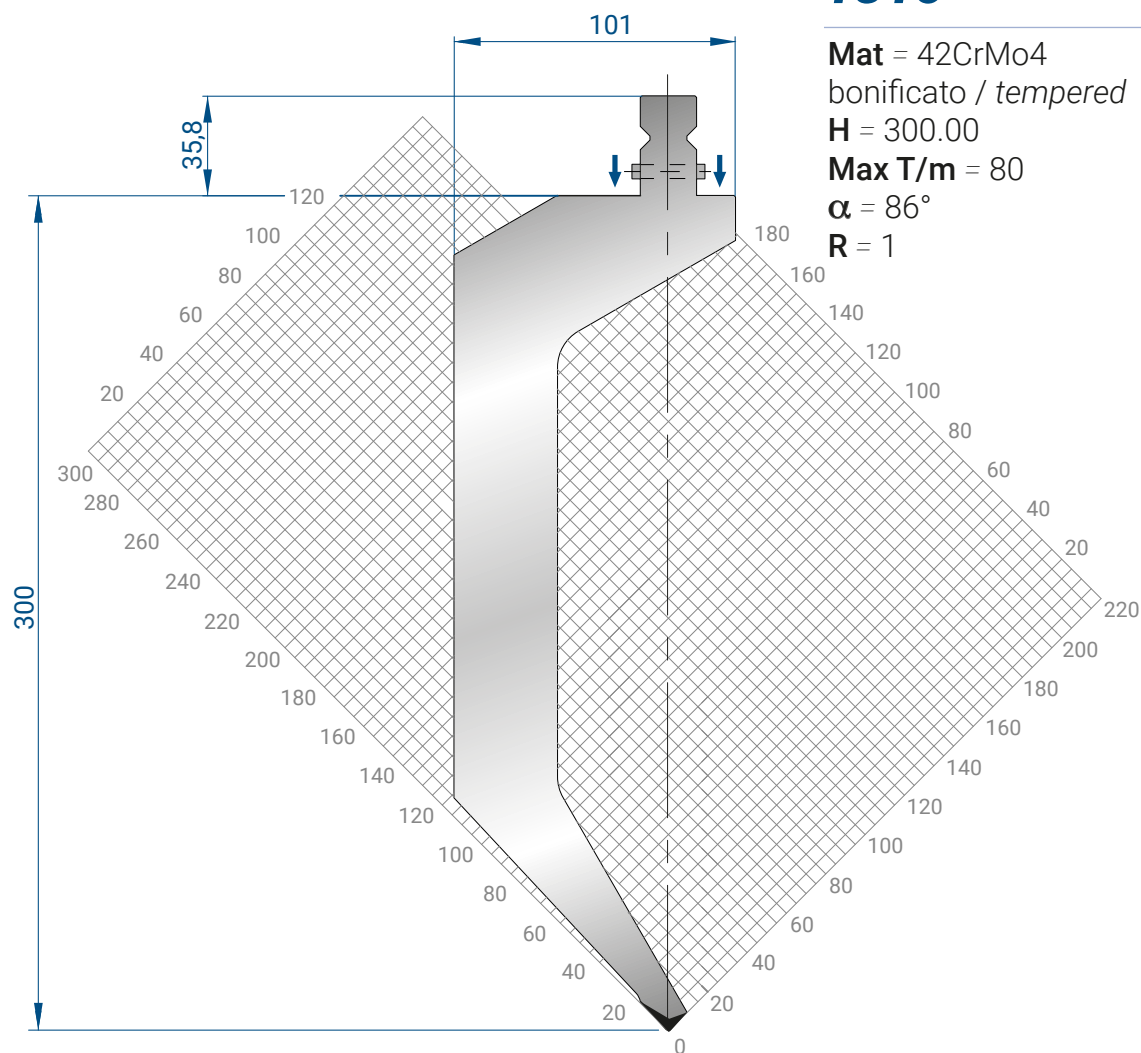
# 1315

Mat = 42CrMo4  
bonificato / tempered  
H = 300.00  
Max T/m = 80  
 $\alpha = 86^\circ$   
R = 1

|              |         |
|--------------|---------|
| 200 mm       | 19,6 kg |
| 100 mm       | 6,6 kg  |
| SCARP. /HORN |         |
| 550 mm       | 48,00kg |
| FRAZ. /SECT  |         |
| 100 mm       | 9,8 kg  |
| 50 mm        | 4,9 kg  |
| 45 mm        | 4,4 kg  |
| 40 mm        | 3,9 kg  |
| 35 mm        | 3,4 kg  |
| 30 mm        | 2,9 kg  |
| 25 mm        | 2,5 kg  |

SPINTA LATERALE  
SHOULDER LOAD

SPINTA LATERALE  
SHOULDER LOAD

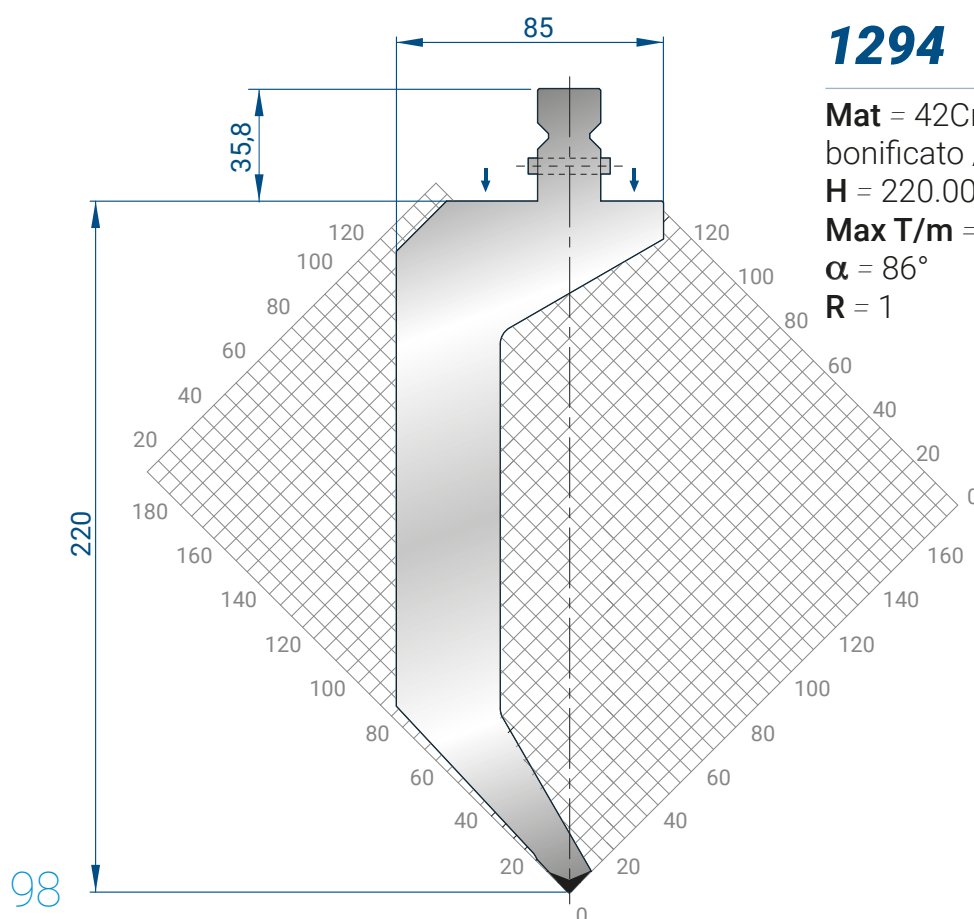


# 1294

Mat = 42CrMo4  
bonificato / tempered  
H = 220.00  
Max T/m = 85  
 $\alpha = 86^\circ$   
R = 1

|              |         |
|--------------|---------|
| 500 mm       | 33,6 kg |
| 300 mm       | 20,1 kg |
| 200 mm       | 13,4 kg |
| 100 mm       | 6,7 kg  |
| 500 mm       | 29,6 kg |
| FRAZ. /SECT  |         |
| 100 mm       | 4,7 kg  |
| SCARP. /HORN |         |
| 50 mm        | 3,4 kg  |
| 45 mm        | 3,0 kg  |
| 40 mm        | 2,7 kg  |
| 35 mm        | 2,4 kg  |
| 30 mm        | 2,0 kg  |
| 25 mm        | 1,7 kg  |

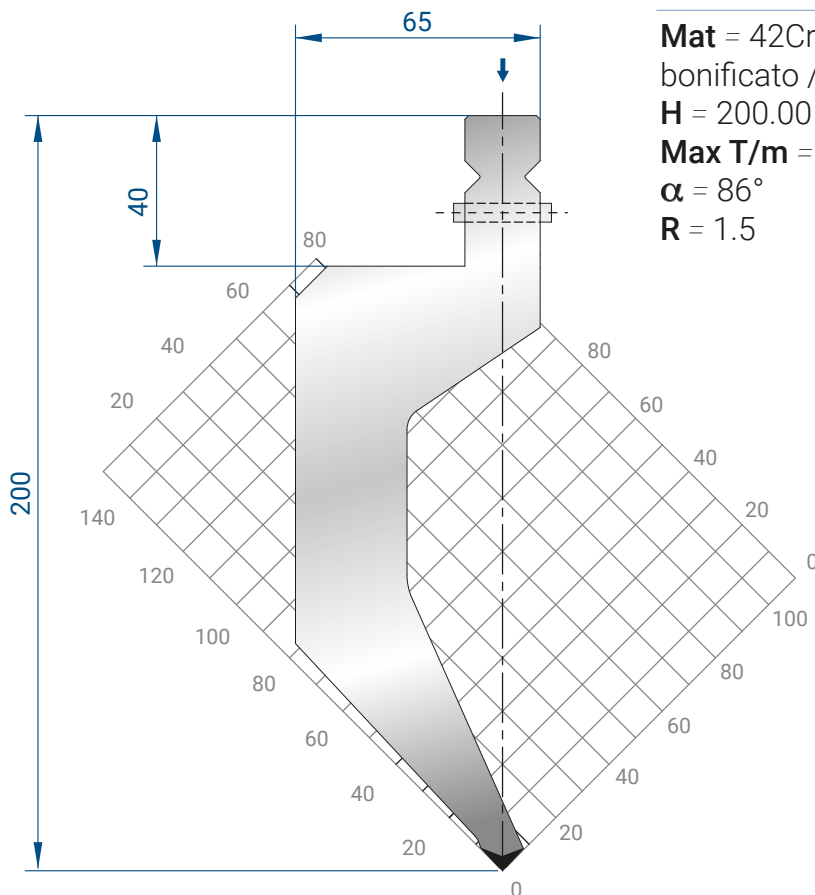
SPINTA LATERALE  
SHOULDER LOAD



# 1320

Mat = 42CrMo4  
bonificato / tempered  
H = 200.00  
Max T/m = 100  
 $\alpha = 86^\circ$   
R = 1.5

|                        |         |
|------------------------|---------|
| 500 mm                 | 23,6 kg |
| 300 mm                 | 14,1 kg |
| 200 mm                 | 9,4 kg  |
| 100 mm                 | 4,7 kg  |
| 550 mm<br>FRAZ. /SECT. | 23,2 kg |
| 100 mm<br>SCARP. /HORN | 3,3 kg  |
| 50 mm                  | 2,4 kg  |
| 45 mm                  | 2,1 kg  |
| 40 mm                  | 1,9 kg  |
| 35 mm                  | 1,7 kg  |
| 30 mm                  | 1,4 kg  |
| 25 mm                  | 1,2 kg  |

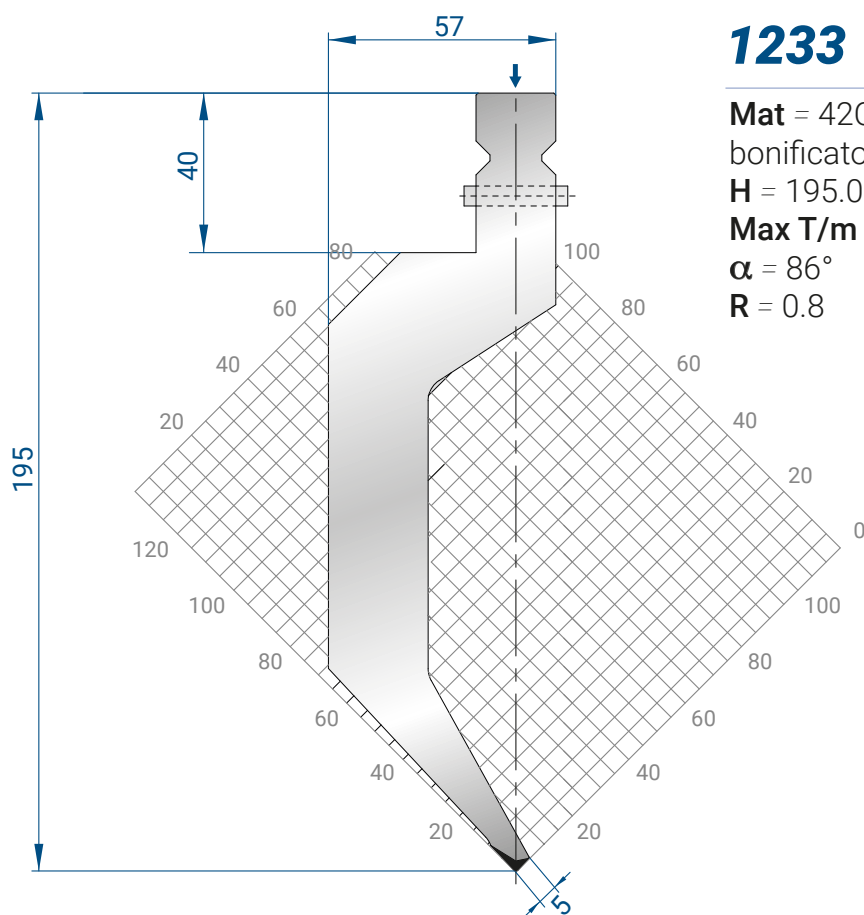


↓  
SPINTA IN TESTA  
HEAD LOAD

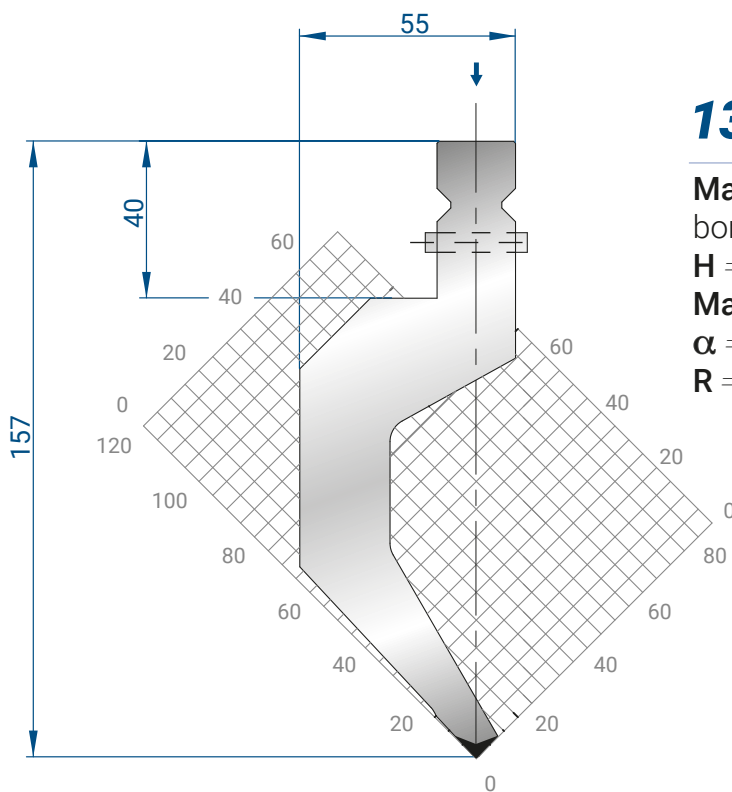
# 1233

Mat = 42CrMo4  
bonificato / tempered  
H = 195.00  
Max T/m = 40  
 $\alpha = 86^\circ$   
R = 0.8

|                        |         |
|------------------------|---------|
| 500 mm                 | 18,4 kg |
| 300 mm                 | 11,0 kg |
| 200 mm                 | 7,4 kg  |
| 100 mm                 | 3,7 kg  |
| 550 mm<br>FRAZ. /SECT. | 18,1 kg |
| 100 mm<br>SCARP. /HORN | 2,6 kg  |
| 50 mm                  | 1,8 kg  |
| 45 mm                  | 1,7 kg  |
| 40 mm                  | 1,5 kg  |
| 35 mm                  | 1,3 kg  |
| 30 mm                  | 1,1 kg  |
| 25 mm                  | 0,9 kg  |



↓  
SPINTA IN TESTA  
HEAD LOAD

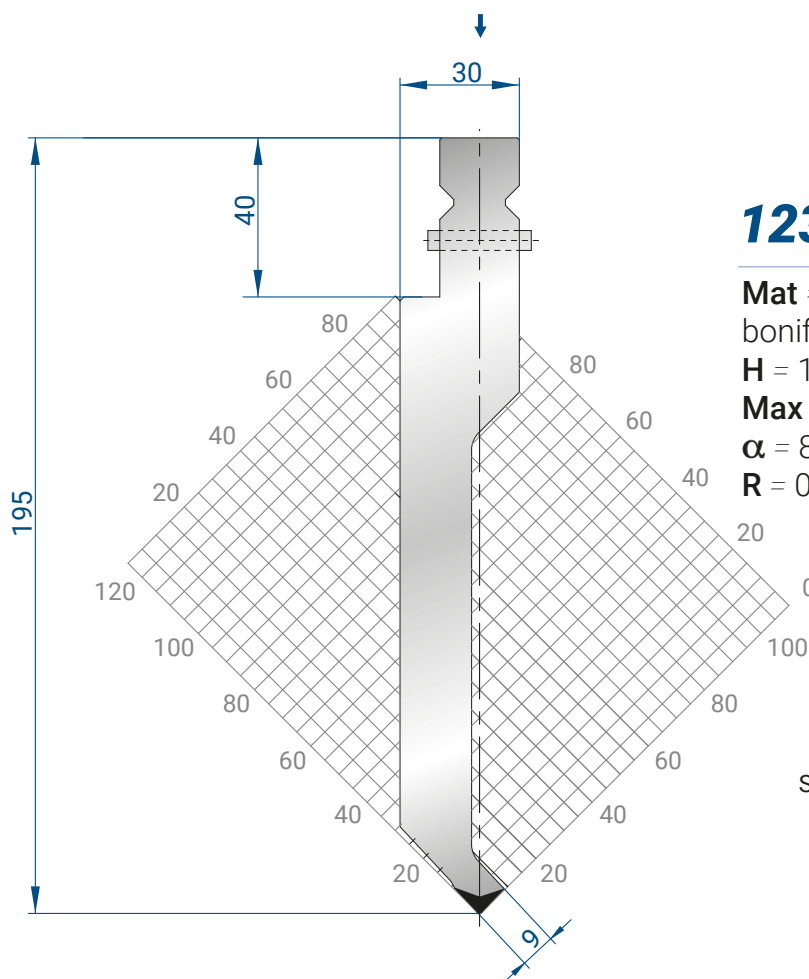


# 1314

**Mat** = 42CrMo4  
bonificato / *tempered*  
**H** = 157.00  
**Max T/m** = 80  
 **$\alpha$**  = 86°  
**R** = 1

|                         |         |
|-------------------------|---------|
| 500 mm                  | 14,6 kg |
| 300 mm                  | 8,8 kg  |
| 200 mm                  | 5,9 kg  |
| 100 mm                  | 2,9 kg  |
| 550 mm<br>FRAZ. / SECT. | 13,0 kg |
| 100 mm<br>SCARP. / HORN | 2,1 kg  |
| 50 mm                   | 1,5 kg  |
| 45 mm                   | 1,3 kg  |
| 40 mm                   | 1,2 kg  |
| 35 mm                   | 1,0 kg  |
| 30 mm                   | 0,9 kg  |
| 25 mm                   | 0,7 kg  |

(↓)  
SPINTA IN TESTA  
HEAD LOAD

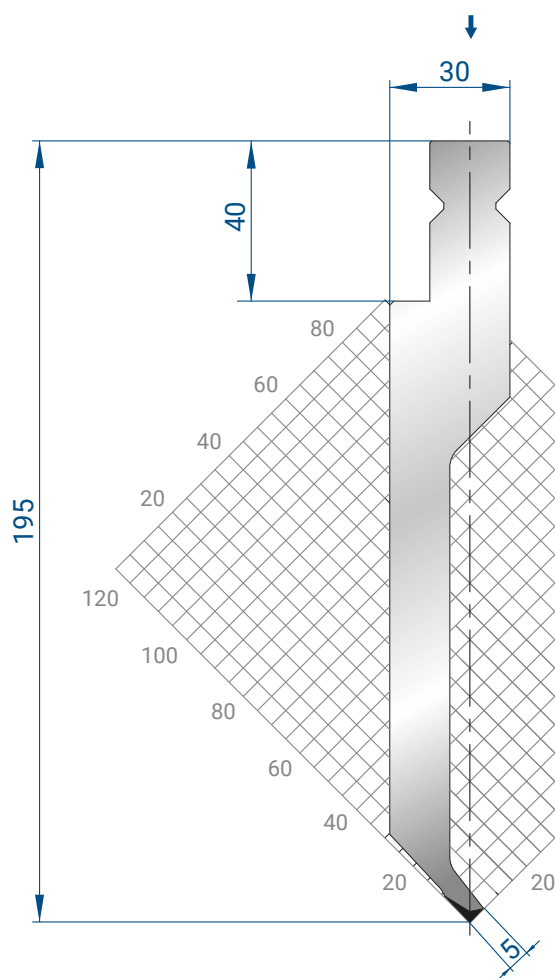


# 1235

**Mat** = 42CrMo4  
bonificato / *tempered*  
**H** = 195.00  
**Max T/m** = 100  
 **$\alpha$**  = 86°  
**R** = 0.8

|                         |         |
|-------------------------|---------|
| 500 mm                  | 14,8 kg |
| 300 mm                  | 8,9 kg  |
| 200 mm                  | 5,9 kg  |
| 100 mm                  | 3,0 kg  |
| 550 mm<br>FRAZ. / SECT. | 14,5 kg |
| 100 mm<br>SCARP. / HORN | 2,1 kg  |
| 50 mm                   | 1,5 kg  |
| 45 mm                   | 1,3 kg  |
| 40 mm                   | 1,2 kg  |
| 35 mm                   | 1,0 kg  |
| 30 mm                   | 0,9 kg  |
| 25 mm                   | 0,7 kg  |

(↓)  
SPINTA IN TESTA  
HEAD LOAD

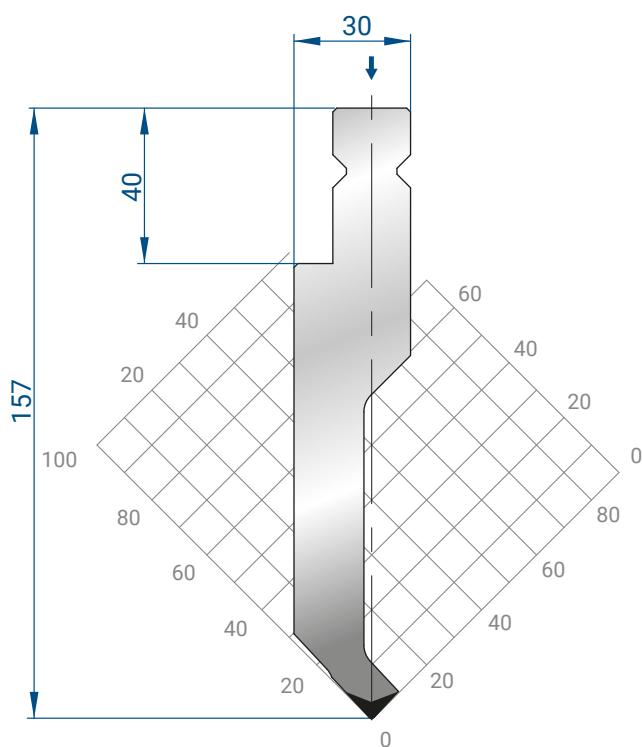


# 1234

**Mat** = 42CrMo4  
bonificato / *tempered*  
**H** = 195.00  
**Max T/m** = 30  
**α** = 86°  
**R** = 0.6

|                         |         |
|-------------------------|---------|
| 500 mm                  | 13,3 kg |
| 300 mm                  | 8,0 kg  |
| 200 mm                  | 5,3 kg  |
| 100 mm                  | 2,7 kg  |
| 550 mm<br>FRAZ. / SECT  | 13,1 kg |
| 100 mm<br>SCARP. / HORN | 1,9 kg  |
| 50 mm                   | 1,3 kg  |
| 45 mm                   | 1,2 kg  |
| 40 mm                   | 1,1 kg  |
| 35 mm                   | 0,9 kg  |
| 30 mm                   | 0,8 kg  |
| 25 mm                   | 0,7 kg  |

(↓)  
**SPINTA IN TESTA**  
HEAD LOAD

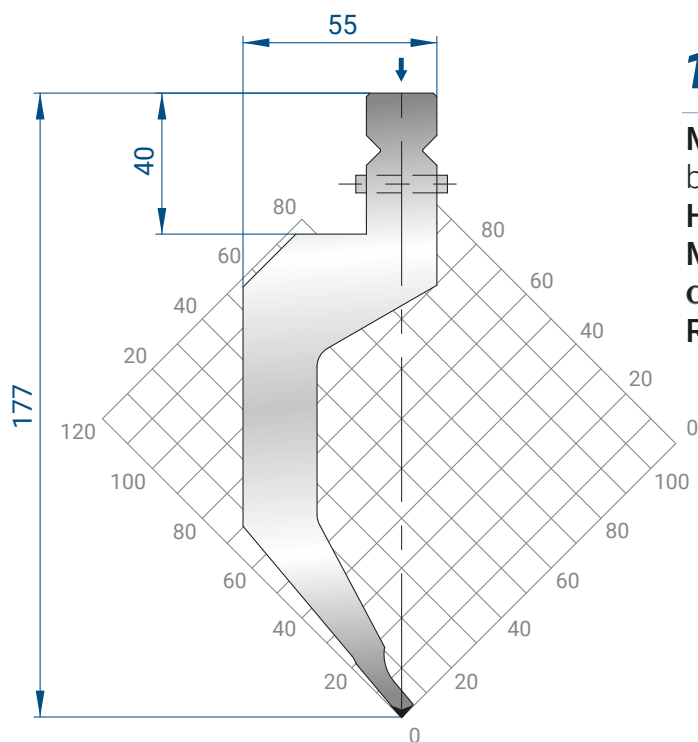


# 1317

**Mat** = 42CrMo4  
bonificato / *tempered*  
**H** = 157.00  
**Max T/m** = 100  
**α** = 86°  
**R** = 1

|                         |         |
|-------------------------|---------|
| 500 mm                  | 12,1 kg |
| 300 mm                  | 7,3 kg  |
| 200 mm                  | 4,8 kg  |
| 100 mm                  | 2,4 kg  |
| 550 mm<br>FRAZ. / SECT. | 11,9 kg |
| 100 mm<br>SCARP. / HORN | 1,8 kg  |
| 50 mm                   | 1,2 kg  |
| 45 mm                   | 1,1 kg  |
| 40 mm                   | 1,0 kg  |
| 35 mm                   | 0,8 kg  |
| 30 mm                   | 0,7 kg  |
| 25 mm                   | 0,6 kg  |

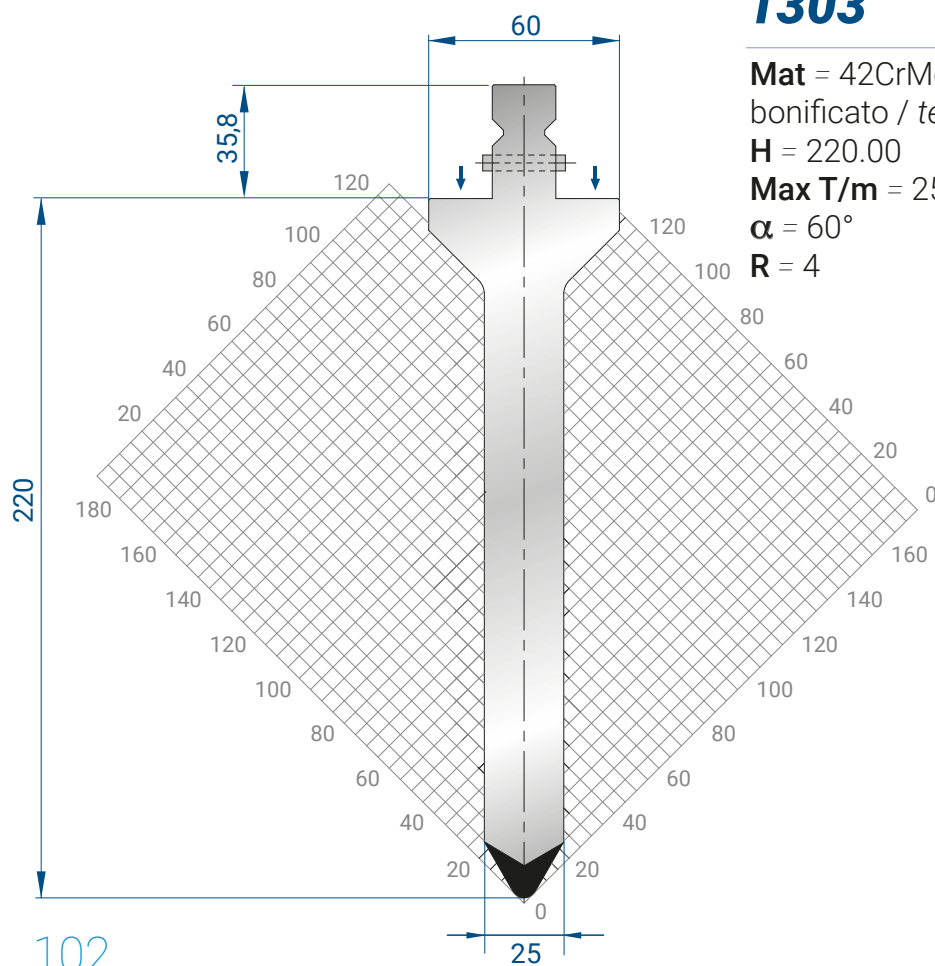
(↓)  
**SPINTA IN TESTA**  
HEAD LOAD


**1319**

**Mat** = 42CrMo4  
 bonificato / *tempered*  
**H** = 177.00  
**Max T/m** = 40  
 $\alpha$  = 80°  
**R** = 0.5

|                        |         |
|------------------------|---------|
| 500 mm                 | 15,4 kg |
| 300 mm                 | 9,2 kg  |
| 200 mm                 | 6,2 kg  |
| 100 mm                 | 3,1 kg  |
| 550 mm<br>FRAZ. /SECT. | 15,1 kg |
| 100 mm<br>SCARP. /HORN | 2,2 kg  |
| 50 mm                  | 1,5 kg  |
| 45 mm                  | 1,4 kg  |
| 40 mm                  | 1,2 kg  |
| 35 mm                  | 1,1 kg  |
| 30 mm                  | 0,9 kg  |
| 25 mm                  | 0,8 kg  |

(↓)  
 SPINTA IN TESTA  
 HEAD LOAD


**1303**

**Mat** = 42CrMo4  
 bonificato / *tempered*  
**H** = 220.00  
**Max T/m** = 250  
 $\alpha$  = 60°  
**R** = 4

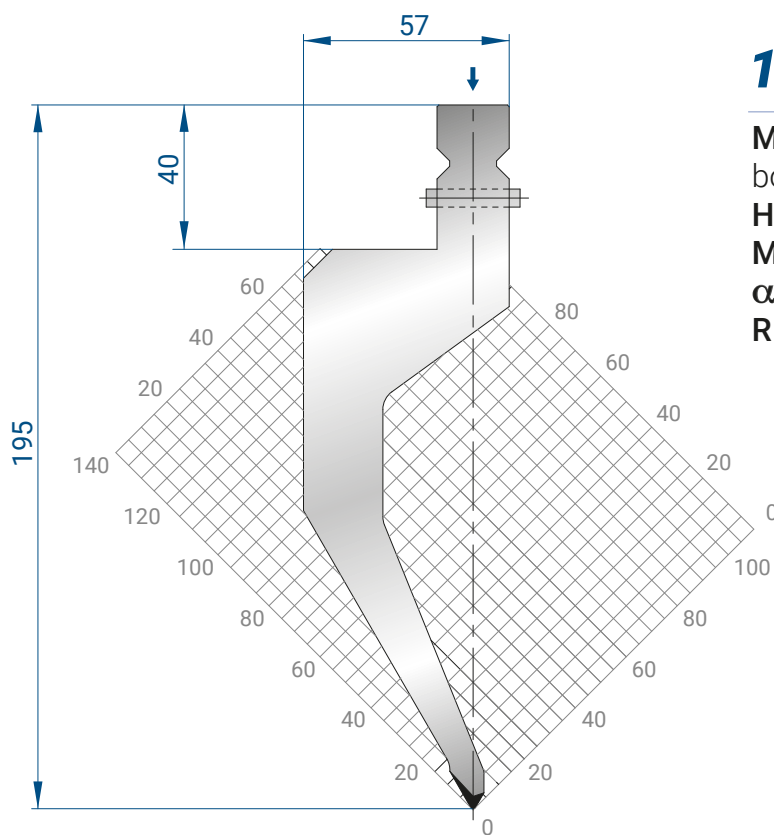
|                        |         |
|------------------------|---------|
| 500 mm                 | 26,1 kg |
| 300 mm                 | 15,6 kg |
| 200 mm                 | 10,4 kg |
| 100 mm                 | 5,2 kg  |
| 550 mm<br>FRAZ. /SECT. | 25,6 kg |
| 100 mm<br>SCARP. /HORN | 3,7 kg  |
| 50 mm                  | 2,6 kg  |
| 45 mm                  | 2,3 kg  |
| 40 mm                  | 2,1 kg  |
| 35 mm                  | 1,8 kg  |
| 30 mm                  | 1,6 kg  |
| 25 mm                  | 1,3 kg  |

(↓)  
 SPINTA LATERALE  
 SHOULDER LOAD

## 1236

**Mat** = 42CrMo4  
bonificato / *tempered*  
**H** = 195.00  
**Max T/m** = 40  
 **$\alpha$**  = 60°  
**R** = 0.8

|                        |         |
|------------------------|---------|
| 500 mm                 | 17,4 kg |
| 300 mm                 | 10,4 kg |
| 200 mm                 | 7,0 kg  |
| 100 mm                 | 3,5 kg  |
| 550 mm<br>FRAZ. /SECT  | 17,1 kg |
| 100 mm<br>SCARP. /HORN | 2,4 kg  |
| 50 mm                  | 1,7 kg  |
| 45 mm                  | 1,6 kg  |
| 40 mm                  | 1,4 kg  |
| 35 mm                  | 1,2 kg  |
| 30 mm                  | 1,0 kg  |
| 25 mm                  | 0,9kg   |

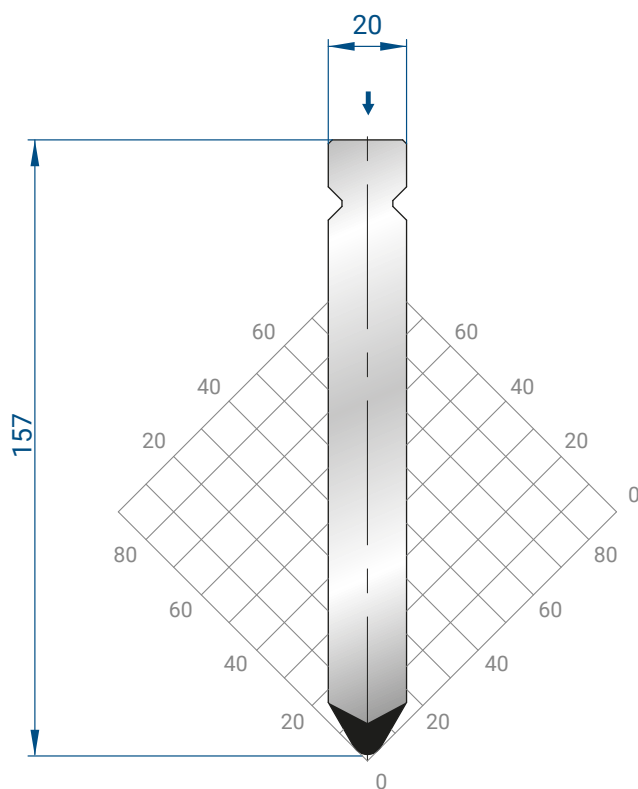


↓  
SPINTA IN TESTA  
HEAD LOAD

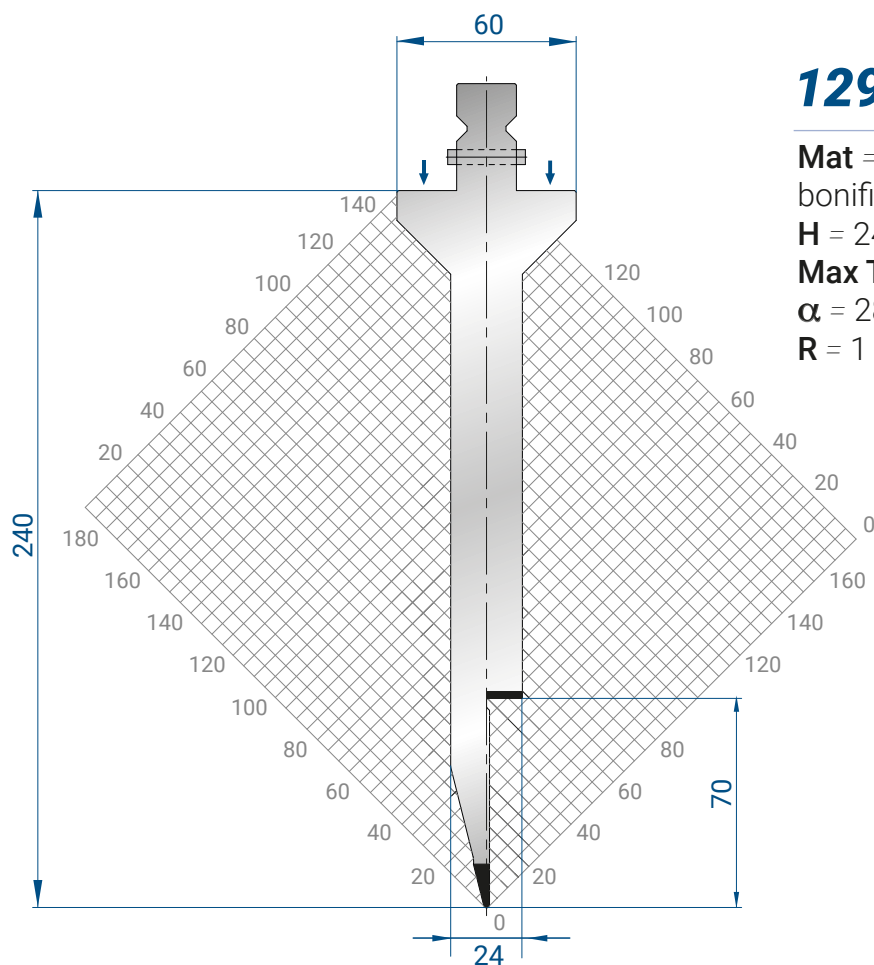
## 1318

**Mat** = 42CrMo4  
bonificato / *tempered*  
**H** = 157.00  
**Max T/m** = 180  
 **$\alpha$**  = 60°  
**R** = 4

|                        |         |
|------------------------|---------|
| 500 mm                 | 11,8 kg |
| 300 mm                 | 7,0 kg  |
| 200 mm                 | 4,7 kg  |
| 100 mm                 | 2,4 kg  |
| 550 mm<br>FRAZ. /SECT  | 11,6 kg |
| 100 mm<br>SCARP. /HORN | 1,7 kg  |
| 50 mm                  | 1,2 kg  |
| 45 mm                  | 1,1 kg  |
| 40 mm                  | 0,9 kg  |
| 35 mm                  | 0,8 kg  |
| 30 mm                  | 0,7 kg  |
| 25 mm                  | 0,6 kg  |



↓  
SPINTA IN TESTA  
HEAD LOAD

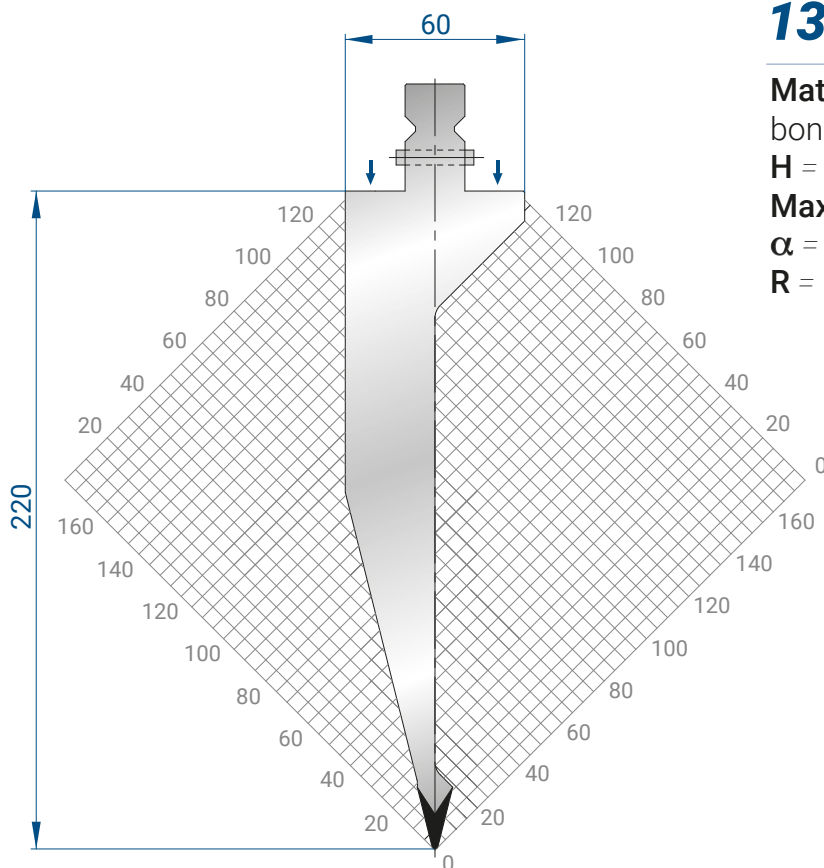


**1295**

**Mat** = 42CrMo4  
 bonificato / *tempered*  
**H** = 240.00  
**Max T/m** = 40  
 $\alpha$  = 28°  
**R** = 1

|                         |         |
|-------------------------|---------|
| 500 mm                  | 23,8 kg |
| 300 mm                  | 14,3 kg |
| 200 mm                  | 9,5 kg  |
| 100 mm                  | 4,8 kg  |
| 550 mm<br>FRAZ. / SECT  | 23,3 kg |
| 100 mm<br>SCARP. / HORN | 3,3 kg  |
| 50 mm                   | 2,4 kg  |
| 45 mm                   | 2,1 kg  |
| 40 mm                   | 1,9 kg  |
| 35 mm                   | 1,7 kg  |
| 30 mm                   | 1,4 kg  |
| 25 mm                   | 1,2 kg  |

(↓)  
 SPINTA LATERALE  
 SHOULDER LOAD

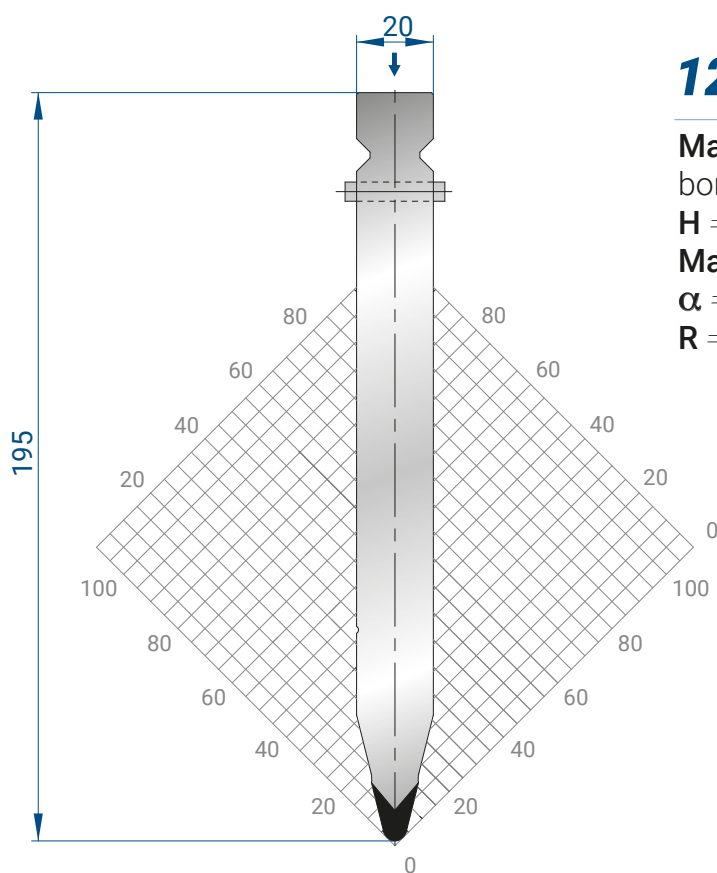


**1302**

**Mat** = 42CrMo4  
 bonificato / *tempered*  
**H** = 220.00  
**Max T/m** = 80  
 $\alpha$  = 28°  
**R** = 1

|                         |         |
|-------------------------|---------|
| 500 mm                  | 24,9 kg |
| 300 mm                  | 14,9 kg |
| 200 mm                  | 10,0 kg |
| 100 mm                  | 5,0 kg  |
| 550 mm<br>FRAZ. / SECT. | 24,4 kg |
| 100 mm<br>SCARP. / HORN | 3,5 kg  |
| 50 mm                   | 2,5 kg  |
| 45 mm                   | 2,2 kg  |
| 40 mm                   | 2,0 kg  |
| 35 mm                   | 1,7 kg  |
| 30 mm                   | 1,5 kg  |
| 25 mm                   | 1,3 kg  |

(↓)  
 SPINTA LATERALE  
 SHOULDER LOAD

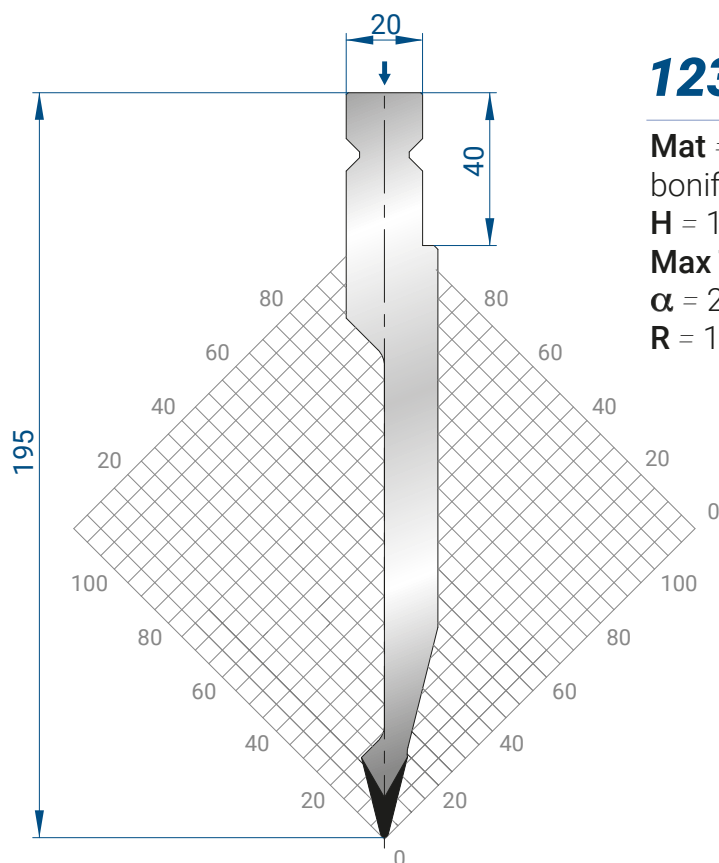


## 1237

**Mat** = 42CrMo4  
bonificato / *tempered*  
**H** = 195.00  
**Max T/m** = 160  
 **$\alpha$**  = 28°  
**R** = 3

|                         |         |
|-------------------------|---------|
| 500 mm                  | 14,1 kg |
| 300 mm                  | 8,5 kg  |
| 200 mm                  | 5,7 kg  |
| 100 mm                  | 2,8 kg  |
| 500 mm<br>FRAZ. / SECT. | 13,9 kg |
| 100 mm<br>SCARP. / HORN | 2,0 kg  |
| 50 mm                   | 1,4 kg  |
| 45 mm                   | 1,3 kg  |
| 40 mm                   | 1,1 kg  |
| 35 mm                   | 1,0 kg  |
| 30 mm                   | 0,8 kg  |
| 25 mm                   | 0,7 kg  |

↓  
SPINTA IN TESTA  
HEAD LOAD

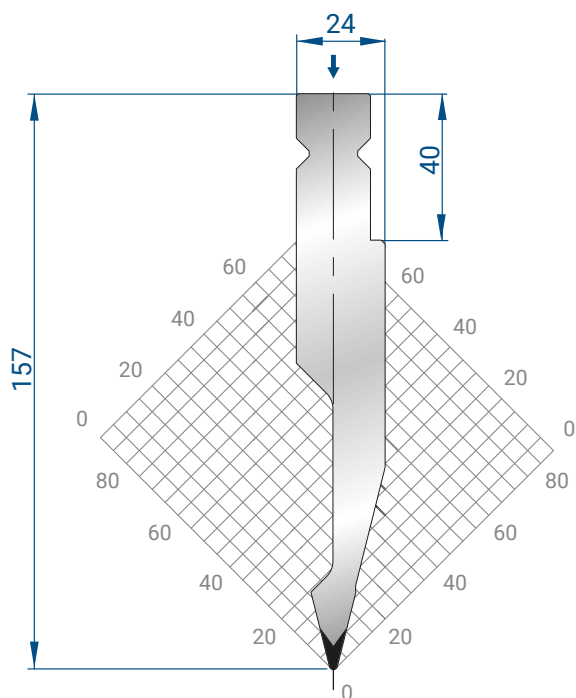


## 1238

**Mat** = 42CrMo4  
bonificato / *tempered*  
**H** = 195.00  
**Max T/m** = 80  
 **$\alpha$**  = 28°  
**R** = 1

|                         |         |
|-------------------------|---------|
| 500 mm                  | 11,4 kg |
| 300 mm                  | 6,8 kg  |
| 200 mm                  | 4,5 kg  |
| 100 mm                  | 2,3 kg  |
| 550 mm<br>FRAZ. / SECT. | 11,1 kg |
| 100 mm<br>SCARP. / HORN | 1,6 kg  |
| 50 mm                   | 1,1 kg  |
| 45 mm                   | 1,0 kg  |
| 40 mm                   | 0,9 kg  |
| 35 mm                   | 0,8 kg  |
| 30 mm                   | 0,7 kg  |
| 25 mm                   | 0,6 kg  |

↓  
SPINTA IN TESTA  
HEAD LOAD

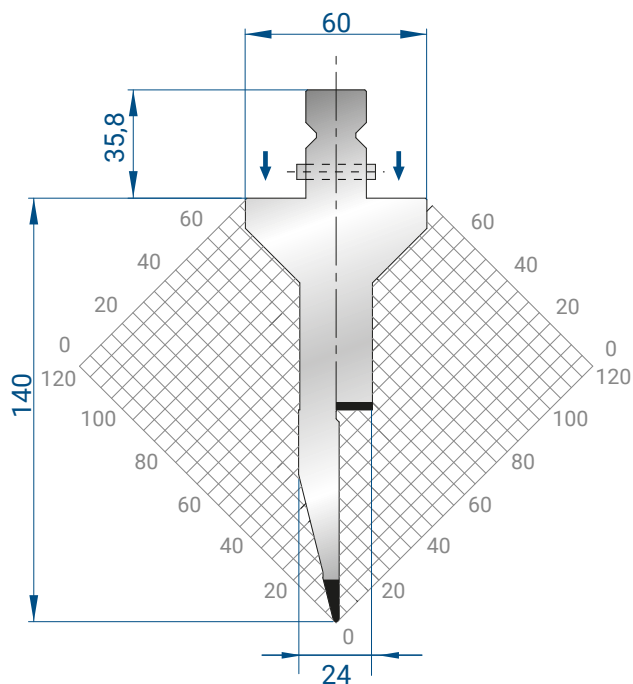


## 1313

**Mat** = 42CrMo4  
 bonificato / *tempered*  
**H** = 157.00  
**Max T/m** = 80  
 $\alpha$  = 28°  
**R** = 1

|                         |        |
|-------------------------|--------|
| 500 mm                  | 9,8 kg |
| 300 mm                  | 5,9 kg |
| 200 mm                  | 3,9 kg |
| 100 mm                  | 2,0 kg |
| 550 mm<br>FRAZ. / SECT. | 9,7 kg |
| 100 mm<br>SCARP. / HORN | 1,4 kg |
| 50 mm                   | 1,0 kg |
| 45 mm                   | 0,9 kg |
| 40 mm                   | 0,8 kg |
| 35 mm                   | 0,7 kg |
| 30 mm                   | 0,6 kg |
| 25mm                    | 0,5 kg |

(↓)  
 SPINTA IN TESTA  
 HEAD LOAD

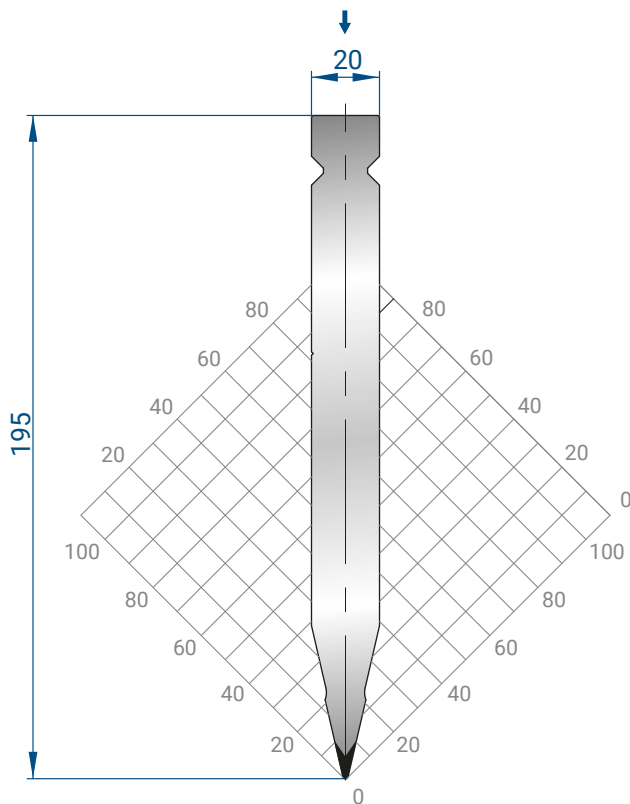


## 1308

**Mat** = 42CrMo4  
 bonificato / *tempered*  
**H** = 140.00  
**Max T/m** = 40  
 $\alpha$  = 28°  
**R** = 1

|                         |         |
|-------------------------|---------|
| 500 mm                  | 14,4 kg |
| 300 mm                  | 8,7 kg  |
| 200 mm                  | 5,8 kg  |
| 100 mm                  | 2,9 kg  |
| 550 mm<br>FRAZ. / SECT. | 14,1 kg |
| 100 mm<br>SCARP. / HORN | 2,0 kg  |
| 50 mm                   | 1,4 kg  |
| 45 mm                   | 1,3 kg  |
| 40 mm                   | 1,2 kg  |
| 35 mm                   | 1,0 kg  |
| 30 mm                   | 0,9 kg  |
| 25 mm                   | 0,7 kg  |

(↓)  
 SPINTA LATERALE  
 SHOULDER LOAD

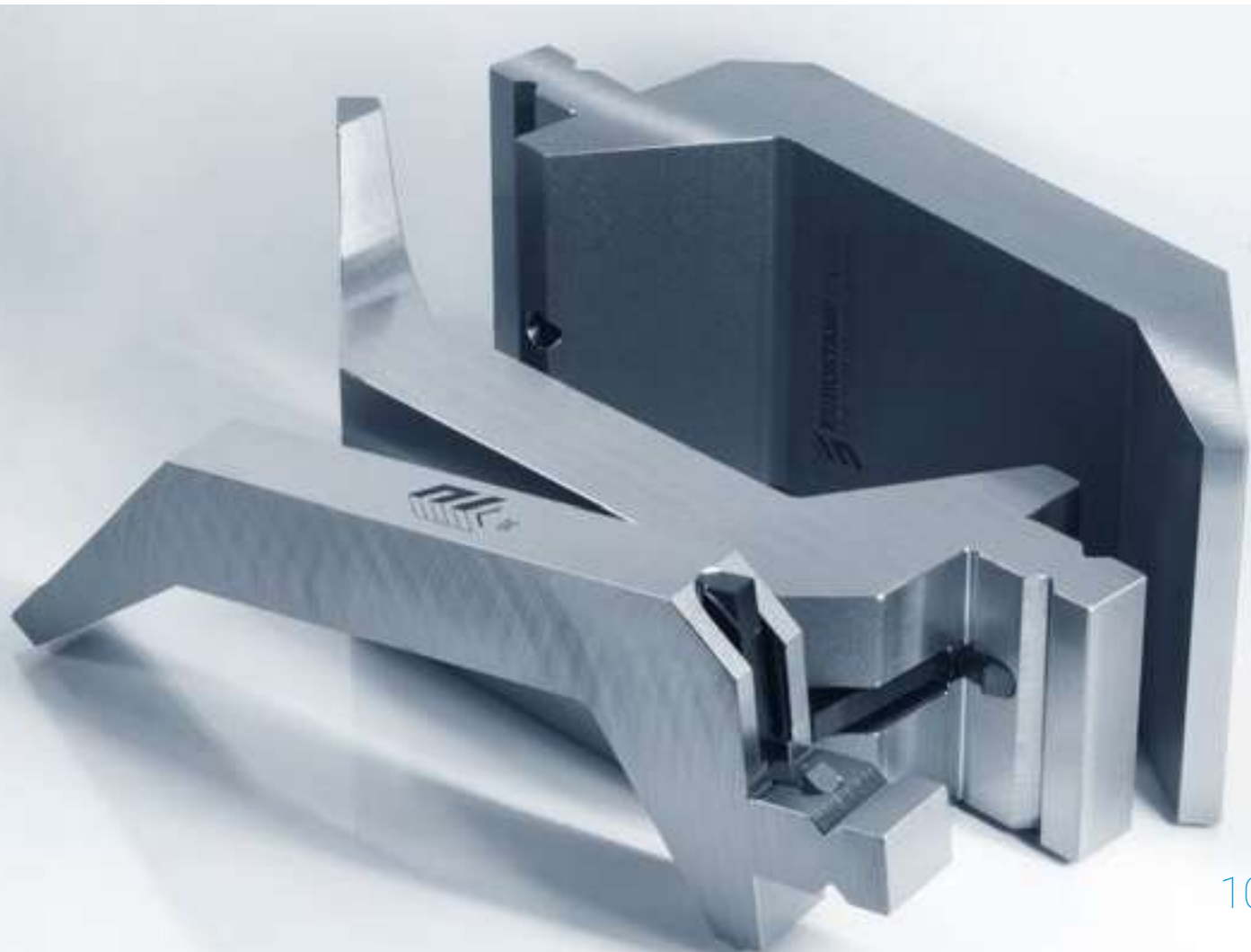


## 1316

**Mat** = 42CrMo4  
 bonificato / *tempered*  
**H** = 195.00  
**Max T/m** = 100  
 $\alpha$  = 26°  
**R** = 0.8

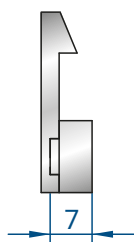
|                        |         |
|------------------------|---------|
| 500 mm                 | 13,5 kg |
| 300 mm                 | 8,1 kg  |
| 200 mm                 | 5,4 kg  |
| 100 mm                 | 2,7 kg  |
| 550 mm<br>FRAZ. /SECT. | 13,2 kg |
| 100 mm<br>SCARP. /HORN | 1,9 kg  |
| 50 mm                  | 1,4 kg  |
| 45 mm                  | 1,2 kg  |
| 40 mm                  | 1,1 kg  |
| 35 mm                  | 0,9 kg  |
| 30 mm                  | 0,8 kg  |
| 25 mm                  | 0,7 kg  |

(↓)  
 SPINTA IN TESTA  
 HEAD LOAD



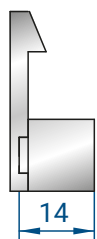
## 8210

FRESATURA PULSANTE  
MILLING FOR SAFETY BUTTON



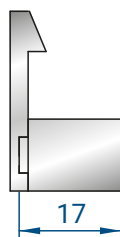
## 8211

CODICI /  
CODES  
1237-1240-  
1316-1318



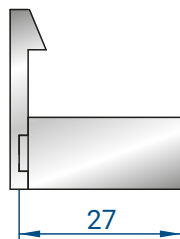
## 8218

CODICI /  
CODES  
1238-1249-  
1250-1251-  
1313



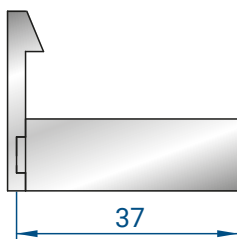
## 8212

CODICI /  
CODES  
1234-1235-  
1317-4191



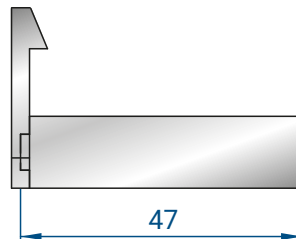
## 8213

CODICI /  
CODES  
1295-1302-  
1303-1308-  
4361



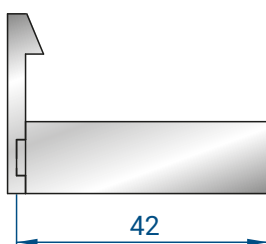
## 8214

CODICI /  
CODES  
1233-1314-  
1319



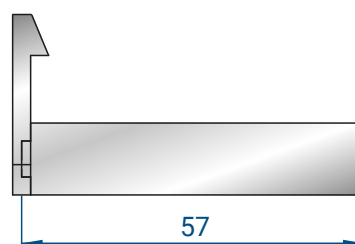
## 8216

CODICI /  
CODES  
1294-1320



## 8215

CODICI /  
CODES  
1236



## 8219

CODICI /  
CODES  
1315







**EUROSTAMP TOOLING**  
the Italian excellence

**3244**

A 84°  
R 1.6  
H 100

V 14  
L 200  
90 T/m

25

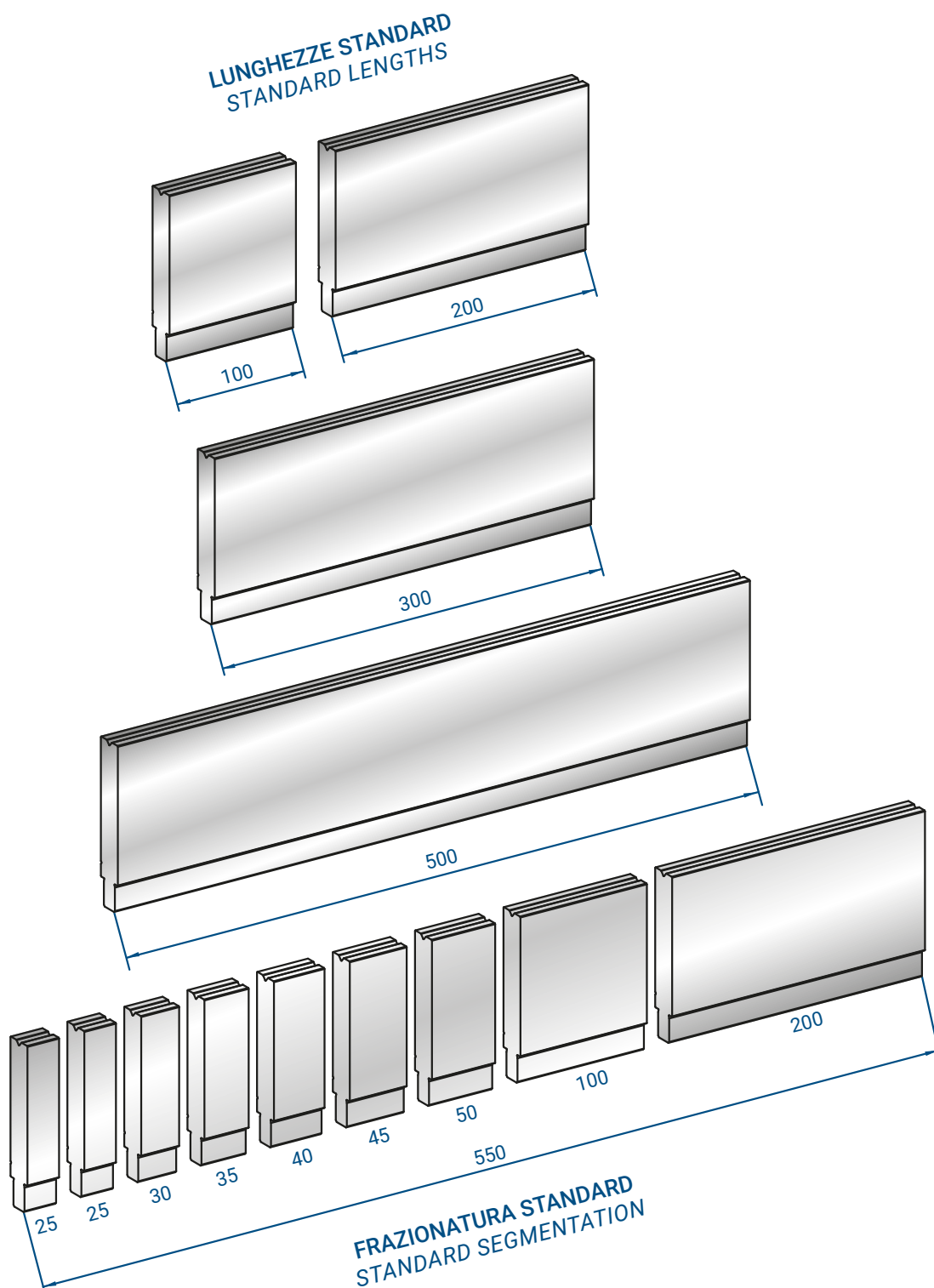


25

40

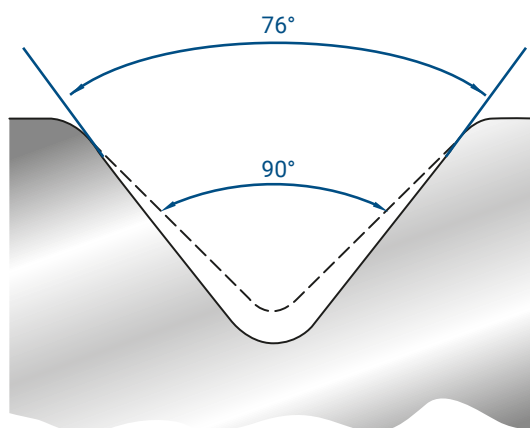


VEDI PAG. 92 PER SCHEMA FRAZIONATURA PUNZONI  
SEE PAGE 92 FOR PUNCHES SEGMENTATION DIAGRAM

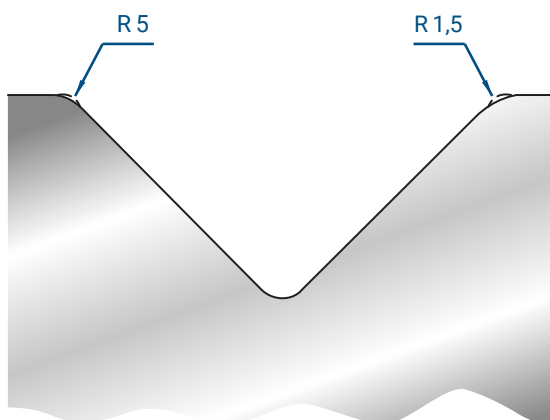




**TAGLI SU RICHIESTA**  
*SPECIAL SEGMENTATION*



**MODIFICA ANGOLO**  
*ANGLE MODIFICATION*

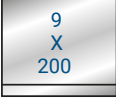


**MODIFICA RAGGIO**  
*RADIUS MODIFICATION*

FRAZIONATURE PER MATRICI MODELLO  
SEGMENTATION FOR DIE MODELS

3135 - 3222  
3223 - 3224

TRUMPF STYLE

|      |                                                                                     |                                                                                     |                                                                                      |
|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 550  |    |                                                                                     |                                                                                      |
| 1050 |    |    |    |
| 1250 |  |  |  |
| 2050 |  |  |  |
| 2550 |  |  |  |
| 3050 |  |  |  |
| 4050 |  |  |  |

FRAZIONATURE PER MATRICI MODELLO  
SEGMENTATION FOR DIE MODELS

**3218 - 3219 - 3220 -  
3221 - 3132 - 3133 - 3134**

|      |                                                                                     |                                                                                     |                                                                                                                                                                            |
|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 550  |    |                                                                                     |                                                                                                                                                                            |
| 1050 |    |    |                                                                                          |
| 1250 |  |  |   |
| 2050 |  |  |   |
| 2550 |  |  |   |
| 3050 |  |  |   |
| 4050 |  |  |   |

FRAZIONATURE PER TUTTI GLI ALTRI MODELLI  
SEGMENTATION FOR OTHER DIE MODELS

550



1050



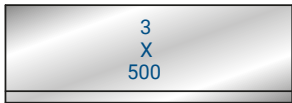
1250



2050



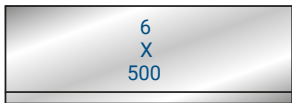
2550

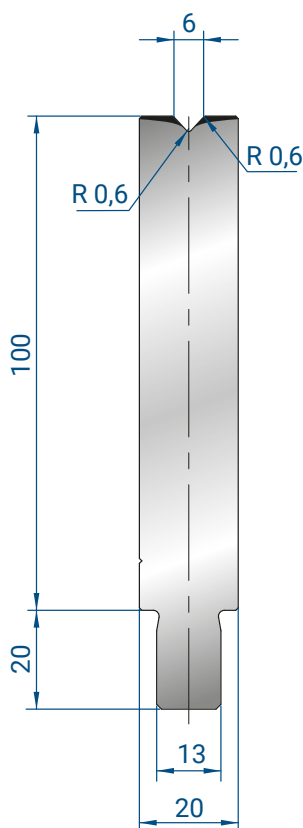


3050



4050

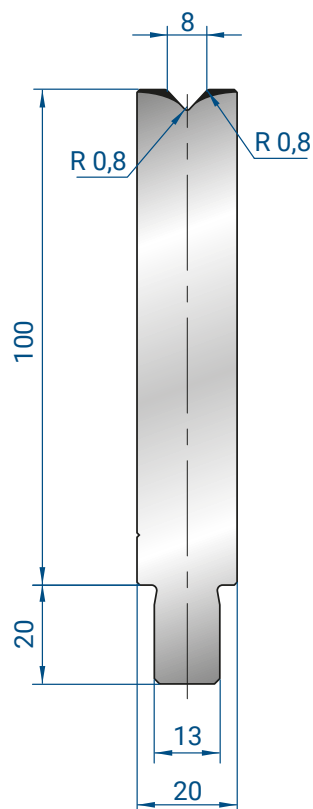




|                        |        |
|------------------------|--------|
| 500 mm                 | 8,8 kg |
| 300 mm                 | 5,3 kg |
| 200 mm                 | 3,6 kg |
| 100 mm                 | 1,8 kg |
| 550 mm<br>FRAZ. /SECT. | 9,7 kg |
| 50 mm                  | 0,9 kg |
| 45 mm                  | 0,8 kg |
| 40 mm                  | 0,7 kg |
| 35 mm                  | 0,6 kg |
| 30 mm                  | 0,5 kg |
| 25 mm                  | 0,4 kg |

**3200**

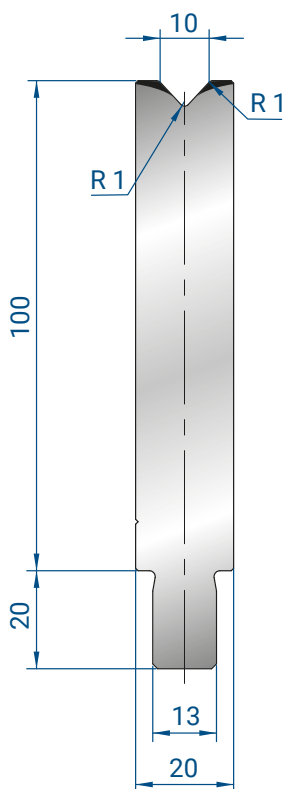
**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 100  
**α** = 86°



|                        |        |
|------------------------|--------|
| 500 mm                 | 8,8 kg |
| 300 mm                 | 5,3 kg |
| 200 mm                 | 3,5 kg |
| 100 mm                 | 1,8 kg |
| 550 mm<br>FRAZ. /SECT. | 9,6 kg |
| 50 mm                  | 0,9 kg |
| 45 mm                  | 0,8 kg |
| 40 mm                  | 0,7 kg |
| 35 mm                  | 0,6 kg |
| 30 mm                  | 0,5 kg |
| 25 mm                  | 0,4 kg |

**3201**

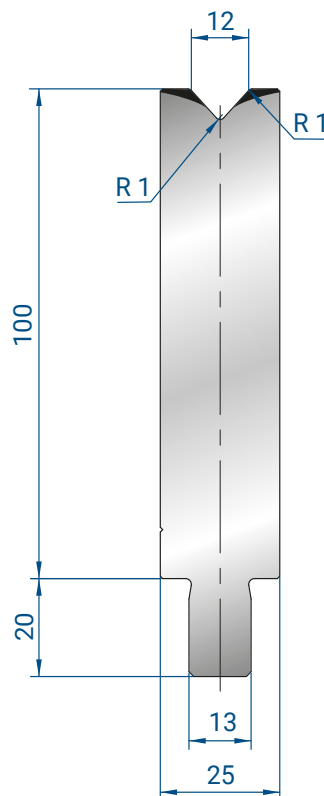
**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 100  
**α** = 86°



|                        |        |
|------------------------|--------|
| 500 mm                 | 8,7 kg |
| 300 mm                 | 5,2 kg |
| 200 mm                 | 3,5 kg |
| 100 mm                 | 1,7 kg |
| 550 mm<br>FRAZ. /SECT. | 9,6 kg |
| 50 mm                  | 0,9 kg |
| 45 mm                  | 0,8 kg |
| 40 mm                  | 0,7 kg |
| 35 mm                  | 0,6 kg |
| 30 mm                  | 0,5 kg |
| 25 mm                  | 0,4 kg |

**3202**

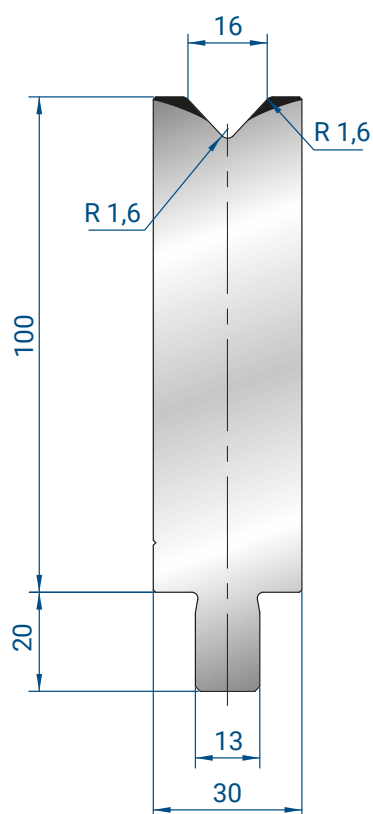
**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 100  
**α** = 86°



|                        |         |
|------------------------|---------|
| 500 mm                 | 10,6 kg |
| 300 mm                 | 6,4 kg  |
| 200 mm                 | 4,3 kg  |
| 100 mm                 | 2,1 kg  |
| 550 mm<br>FRAZ. /SECT. | 11,7 kg |
| 50 mm                  | 1,1 kg  |
| 45 mm                  | 1,0 kg  |
| 40 mm                  | 0,9 kg  |
| 35 mm                  | 0,7 kg  |
| 30 mm                  | 0,6 kg  |
| 25 mm                  | 0,5 kg  |

**3203**

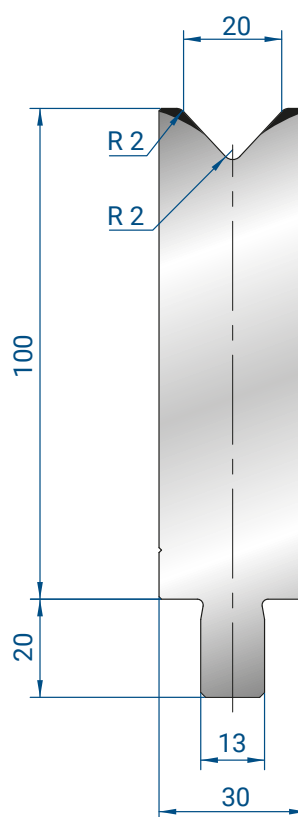
**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 100  
**α** = 86°



|              |         |
|--------------|---------|
| 500 mm       | 12,5 kg |
| 300 mm       | 7,5 kg  |
| 200 mm       | 5,0 kg  |
| 100 mm       | 2,5 kg  |
| 550 mm       | 13,7 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,3 kg  |
| 45 mm        | 1,1 kg  |
| 40 mm        | 1,0 kg  |
| 35 mm        | 0,9 kg  |
| 30 mm        | 0,8 kg  |
| 25 mm        | 0,6 kg  |

**3204**

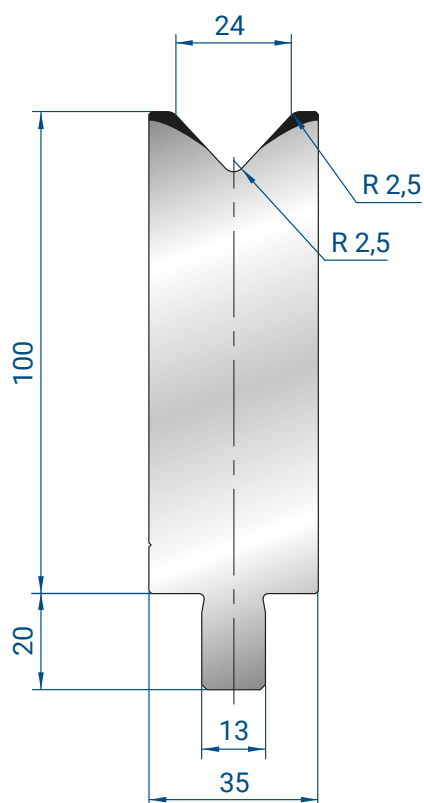
**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 100  
 $\alpha = 86^\circ$



|              |         |
|--------------|---------|
| 500 mm       | 12,3 kg |
| 300 mm       | 7,4 kg  |
| 200 mm       | 4,9 kg  |
| 100 mm       | 2,5 kg  |
| 550 mm       | 13,5 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,2 kg  |
| 45 mm        | 1,1 kg  |
| 40 mm        | 1,0 kg  |
| 35 mm        | 0,9 kg  |
| 30 mm        | 0,7 kg  |
| 25 mm        | 0,6 kg  |

**3205**

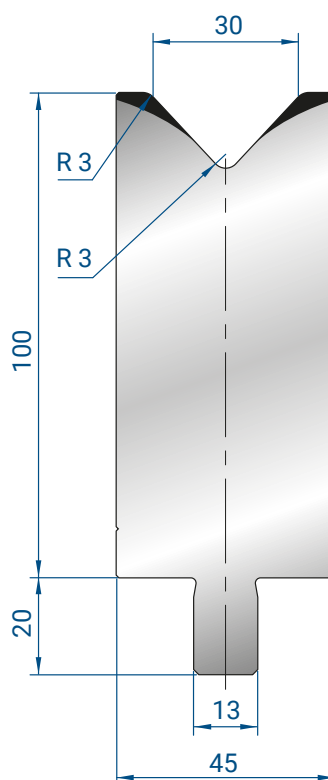
**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 100  
 $\alpha = 86^\circ$



|              |         |
|--------------|---------|
| 500 mm       | 14,0 kg |
| 300 mm       | 8,4 kg  |
| 200 mm       | 5,6 kg  |
| 100 mm       | 2,8 kg  |
| 550 mm       | 15,4 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,4 kg  |
| 45 mm        | 1,3 kg  |
| 40 mm        | 1,1 kg  |
| 35 mm        | 1,0 kg  |
| 30 mm        | 0,8 kg  |
| 25 mm        | 0,7 kg  |

**3215**

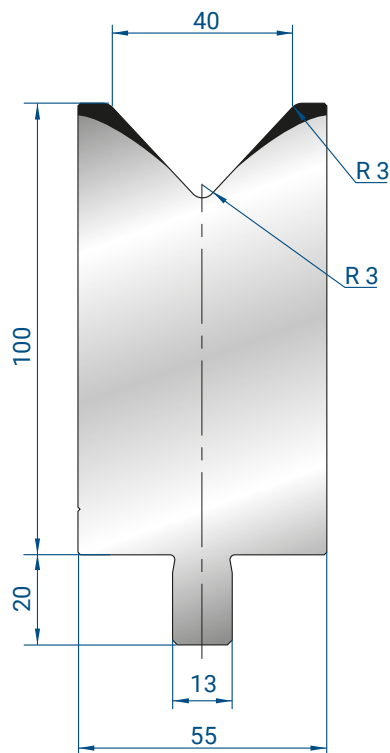
**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 100  
 $\alpha = 86^\circ$



|              |         |
|--------------|---------|
| 500 mm       | 17,6 kg |
| 300 mm       | 10,5 kg |
| 200 mm       | 7,0 kg  |
| 100 mm       | 3,5 kg  |
| 550 mm       | 19,3 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,8 kg  |
| 45 mm        | 1,6 kg  |
| 40 mm        | 1,4 kg  |
| 35 mm        | 1,2 kg  |
| 30 mm        | 1,0 kg  |
| 25 mm        | 0,9 kg  |

**3216**

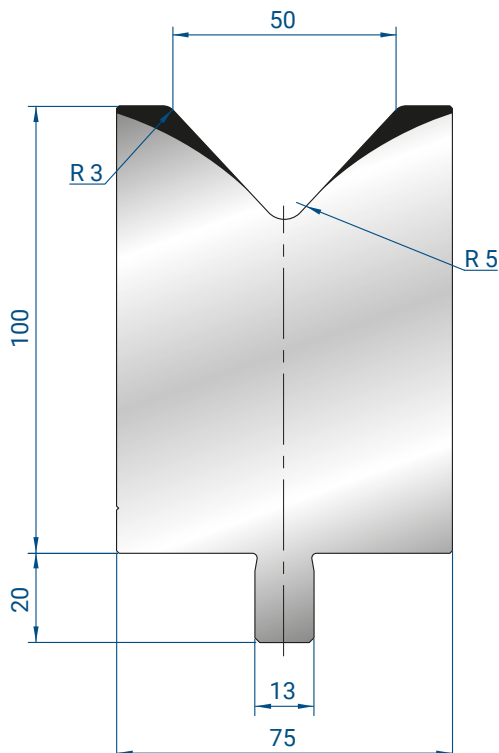
**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 100  
 $\alpha = 86^\circ$



|                        |         |
|------------------------|---------|
| 500 mm                 | 20,7 kg |
| 300 mm                 | 12,4 kg |
| 200 mm                 | 8,3 kg  |
| 100 mm                 | 4,1 kg  |
| 550 mm<br>FRAZ. /SECT. | 22,8 kg |
| 50 mm                  | 2,1 kg  |
| 45 mm                  | 1,9 kg  |
| 40 mm                  | 1,7 kg  |
| 35 mm                  | 1,5 kg  |
| 30 mm                  | 1,2 kg  |
| 25 mm                  | 1,0 kg  |

**3217**

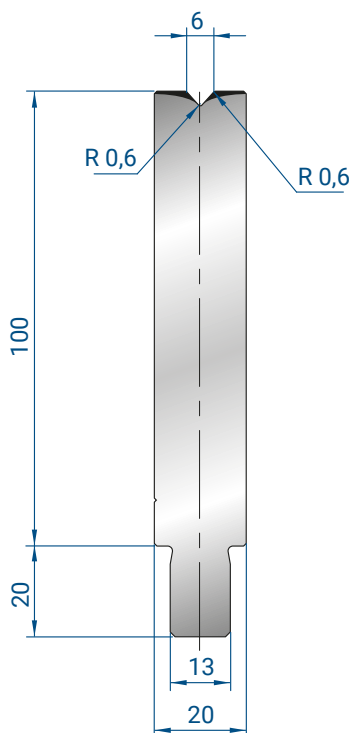
**Mat** = 42CrMo4  
bonificato /  
tempered  
**Max T/m** = 120  
**α** = 86°



|                        |         |
|------------------------|---------|
| 500 mm                 | 27,6 kg |
| 300 mm                 | 16,6 kg |
| 200 mm                 | 11,0 kg |
| 100 mm                 | 5,5 kg  |
| 550 mm<br>FRAZ. /SECT. | 30,3 kg |
| 50 mm                  | 2,8 kg  |
| 45 mm                  | 2,5 kg  |
| 40 mm                  | 2,2 kg  |
| 35 mm                  | 1,9 kg  |
| 30 mm                  | 1,7 kg  |
| 25 mm                  | 1,4 kg  |

**3218**

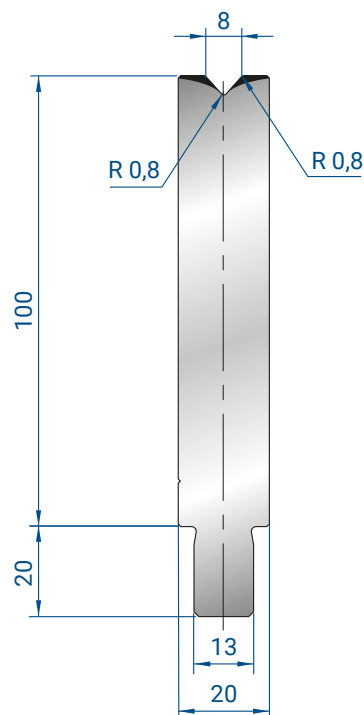
**Mat** = 42CrMo4  
bonificato /  
tempered  
**Max T/m** = 150  
**α** = 86°



|                        |        |
|------------------------|--------|
| 500 mm                 | 8,8 kg |
| 300 mm                 | 5,3 kg |
| 200 mm                 | 3,5 kg |
| 100 mm                 | 1,8 kg |
| 550 mm<br>FRAZ. /SECT. | 9,7 kg |
| 50 mm                  | 0,9 kg |
| 45 mm                  | 0,8 kg |
| 40 mm                  | 0,7 kg |
| 35 mm                  | 0,6 kg |
| 30 mm                  | 0,5 kg |
| 25 mm                  | 0,4 kg |

**3225**

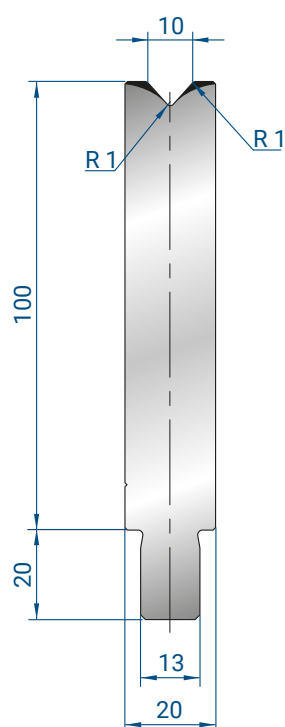
**Mat** = 42CrMo4  
bonificato /  
tempered  
**Max T/m** = 100  
**α** = 84°



|                        |        |
|------------------------|--------|
| 500 mm                 | 8,8 kg |
| 300 mm                 | 5,3 kg |
| 200 mm                 | 3,5 kg |
| 100 mm                 | 1,8 kg |
| 550 mm<br>FRAZ. /SECT. | 9,7 kg |
| 50 mm                  | 0,9 kg |
| 45 mm                  | 0,8 kg |
| 40 mm                  | 0,7 kg |
| 35 mm                  | 0,6 kg |
| 30 mm                  | 0,5 kg |
| 25 mm                  | 0,4 kg |

**3226**

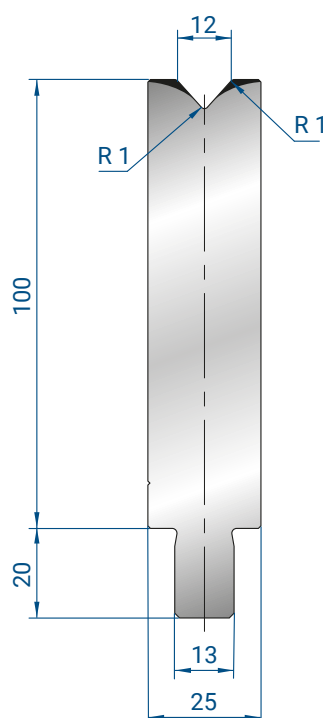
**Mat** = 42CrMo4  
bonificato /  
tempered  
**Max T/m** = 100  
**α** = 84°



|                        |        |
|------------------------|--------|
| 500 mm                 | 8,7 kg |
| 300 mm                 | 5,2 kg |
| 200 mm                 | 3,5 kg |
| 100 mm                 | 1,7 kg |
| 550 mm<br>FRAZ. /SECT. | 9,6 kg |
| 50 mm                  | 0,9 kg |
| 45 mm                  | 0,8 kg |
| 40 mm                  | 0,7 kg |
| 35 mm                  | 0,6 kg |
| 30 mm                  | 0,5 kg |
| 25 mm                  | 0,4 kg |

**3227**

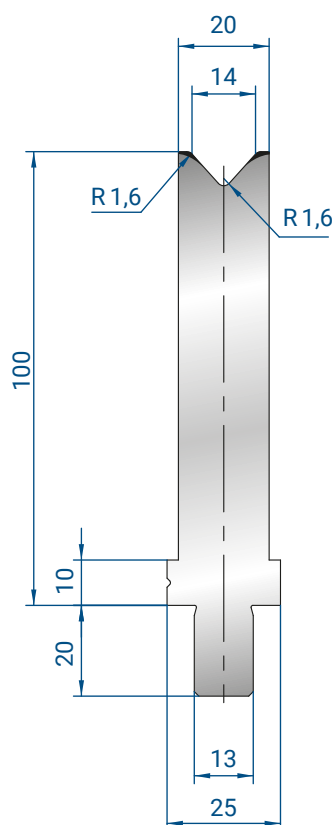
**Mat** = 42CrMo4  
bonificato /  
tempered  
**Max T/m** = 100  
**α** = 84°



|                        |         |
|------------------------|---------|
| 500 mm                 | 10,6 kg |
| 300 mm                 | 6,4 kg  |
| 200 mm                 | 4,2 kg  |
| 100 mm                 | 2,1 kg  |
| 550 mm<br>FRAZ. /SECT. | 11,7 kg |
| 50 mm                  | 1,1 kg  |
| 45 mm                  | 1,0 kg  |
| 40 mm                  | 0,8 kg  |
| 35 mm                  | 0,7 kg  |
| 30 mm                  | 0,6 kg  |
| 25 mm                  | 0,5 kg  |

**3228**

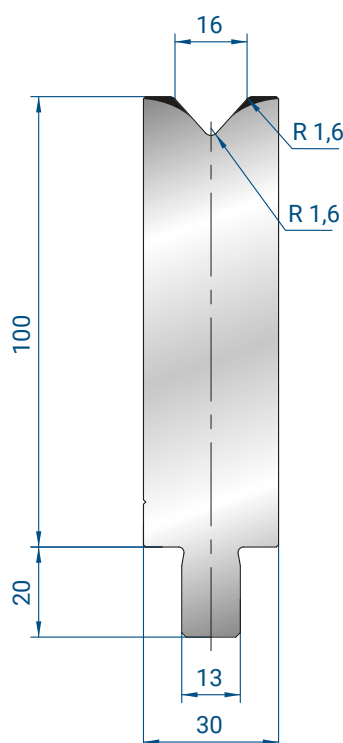
**Mat** = 42CrMo4  
bonificato /  
tempered  
**Max T/m** = 100  
**α** = 84°



|                        |        |
|------------------------|--------|
| 500 mm                 | 8,8 kg |
| 300 mm                 | 5,3 kg |
| 200 mm                 | 3,5 kg |
| 100 mm                 | 1,8 kg |
| 550 mm<br>FRAZ. /SECT. | 9,7 kg |
| 50 mm                  | 0,9 kg |
| 45 mm                  | 0,8 kg |
| 40 mm                  | 0,7 kg |
| 35 mm                  | 0,6 kg |
| 30 mm                  | 0,5 kg |
| 25 mm                  | 0,4 kg |

**3244**

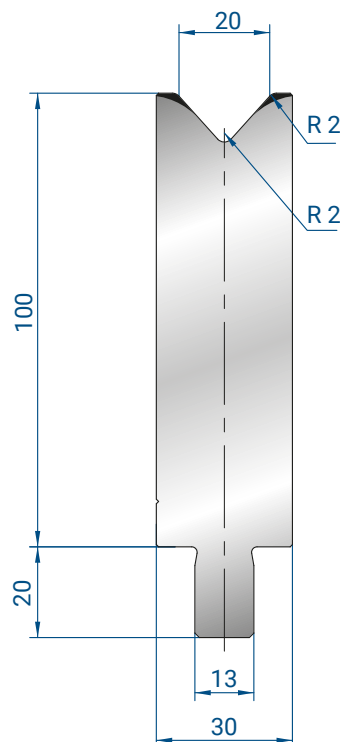
**Mat** = 42CrMo4  
bonificato /  
tempered  
**Max T/m** = 90  
**α** = 84°



|                        |         |
|------------------------|---------|
| 500 mm                 | 12,4 kg |
| 300 mm                 | 7,5 kg  |
| 200 mm                 | 5,0 kg  |
| 100 mm                 | 2,5 kg  |
| 550 mm<br>FRAZ. /SECT. | 13,7 kg |
| 50 mm                  | 1,2 kg  |
| 45 mm                  | 1,1 kg  |
| 40 mm                  | 1,0 kg  |
| 35 mm                  | 0,9 kg  |
| 30 mm                  | 0,7 kg  |
| 25 mm                  | 0,6 kg  |

**3229**

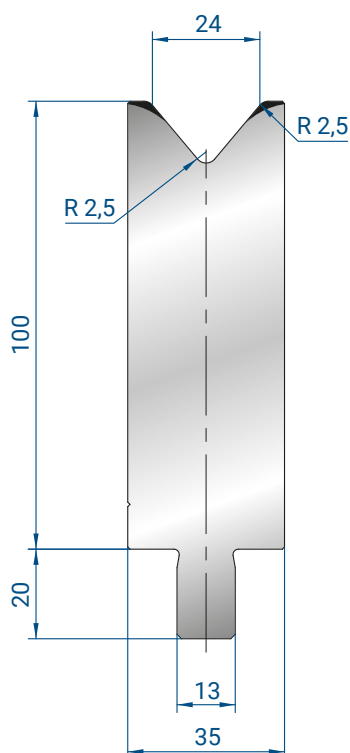
**Mat** = 42CrMo4  
bonificato /  
tempered  
**Max T/m** = 100  
**α** = 84°



|              |         |
|--------------|---------|
| 500 mm       | 12,3 kg |
| 300 mm       | 7,4 kg  |
| 200 mm       | 4,9 kg  |
| 100 mm       | 2,5 kg  |
| 550 mm       | 13,5 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,2 kg  |
| 45 mm        | 1,1 kg  |
| 40 mm        | 1,0 kg  |
| 35 mm        | 0,9 kg  |
| 30 mm        | 0,7 kg  |
| 25 mm        | 0,6 kg  |

**3230**

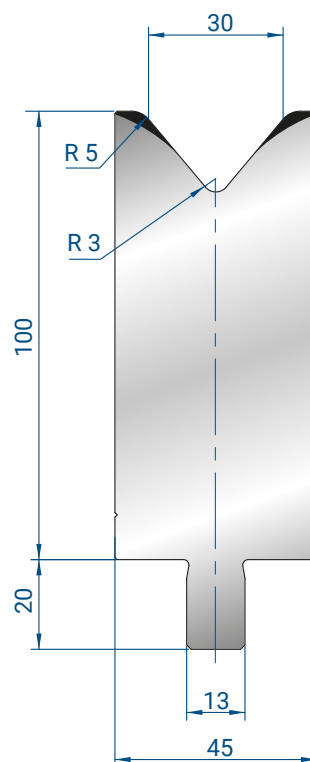
**Mat** = 42CrMo4  
 bonificato /  
 tempered  
**Max T/m** = 100  
 $\alpha$  = 84°



|              |         |
|--------------|---------|
| 500 mm       | 14,0 kg |
| 300 mm       | 8,4 kg  |
| 200 mm       | 5,6 kg  |
| 100 mm       | 2,8 kg  |
| 550 mm       | 15,4 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,4 kg  |
| 45 mm        | 1,3 kg  |
| 40 mm        | 1,1 kg  |
| 35 mm        | 1,0 kg  |
| 30 mm        | 0,8 kg  |
| 25 mm        | 0,7 kg  |

**3231**

**Mat** = 42CrMo4  
 bonificato /  
 tempered  
**Max T/m** = 100  
 $\alpha$  = 80°



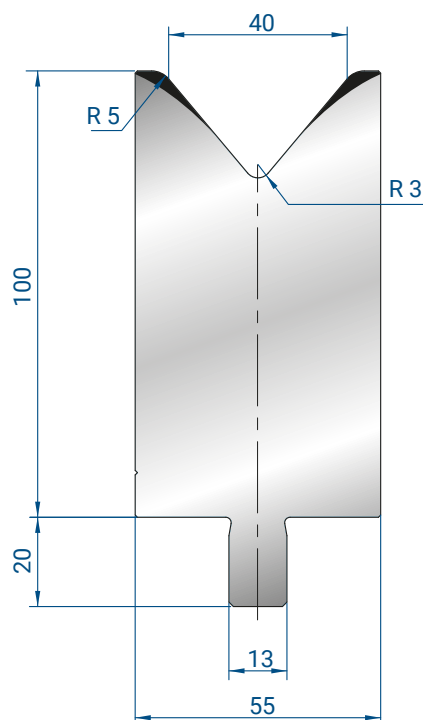
|              |         |
|--------------|---------|
| 500 mm       | 17,4 kg |
| 300 mm       | 10,9 kg |
| 200 mm       | 6,9 kg  |
| 100 mm       | 3,5 kg  |
| 550 mm       | 19,1 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,7 kg  |
| 45 mm        | 1,6 kg  |
| 40 mm        | 1,4 kg  |
| 35 mm        | 1,2 kg  |
| 30 mm        | 1,0 kg  |
| 25 mm        | 0,9 kg  |

**3232**

**Mat** = 42CrMo4  
 bonificato /  
 tempered  
**Max T/m** = 120  
 $\alpha$  = 80°

**3233**

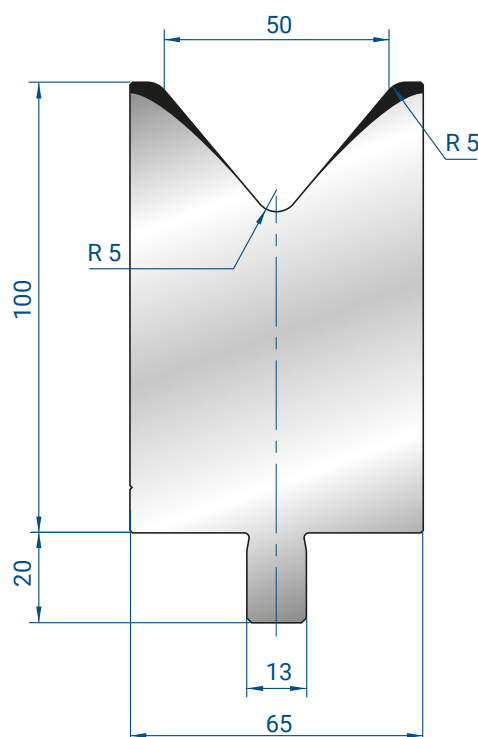
**Mat** = 42CrMo4  
 bonificato /  
 tempered  
**Max T/m** = 150  
 $\alpha = 80^\circ$



|                        |         |
|------------------------|---------|
| 500 mm                 | 20,4 kg |
| 300 mm                 | 12,2 kg |
| 200 mm                 | 8,2 kg  |
| 100 mm                 | 14,1 kg |
| 550 mm<br>FRAZ. /SECT. | 22,4 kg |
| 50 mm                  | 2,0 kg  |
| 45 mm                  | 1,8 kg  |
| 40 mm                  | 1,6 kg  |
| 35 mm                  | 1,4 kg  |
| 30 mm                  | 1,2 kg  |
| 25 mm                  | 1,0 kg  |

**3234**

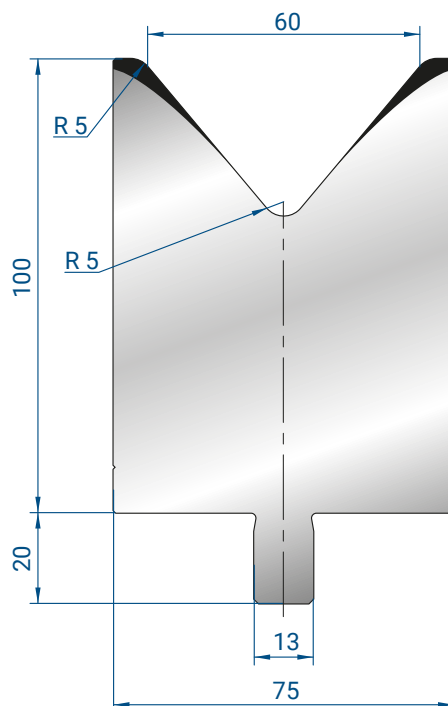
**Mat** = 42CrMo4  
 bonificato /  
 tempered  
**Max T/m** = 150  
 $\alpha = 80^\circ$



|                        |         |
|------------------------|---------|
| 500 mm                 | 23,2 kg |
| 300 mm                 | 13,9 kg |
| 200 mm                 | 9,3 kg  |
| 100 mm                 | 4,6 kg  |
| 550 mm<br>FRAZ. /SECT. | 25,5 kg |
| 50 mm                  | 2,3 kg  |
| 45 mm                  | 2,1 kg  |
| 40 mm                  | 1,9 kg  |
| 35 mm                  | 1,6 kg  |
| 30 mm                  | 1,4 kg  |
| 25 mm                  | 1,2 kg  |

**3219**

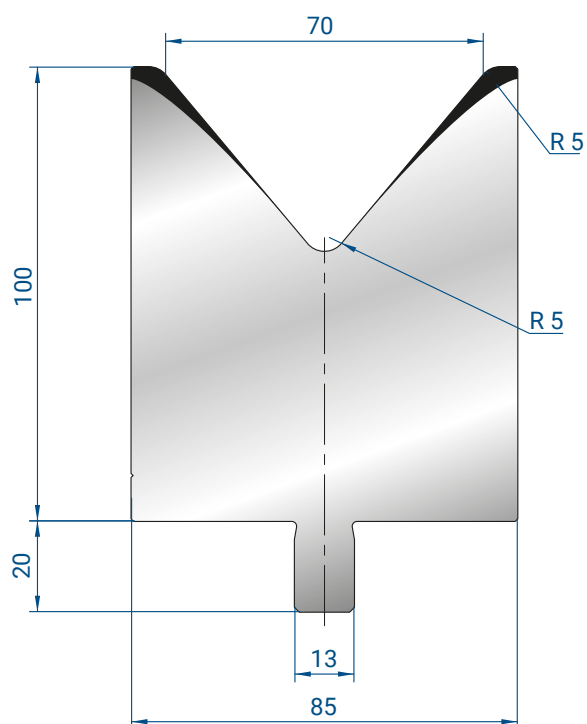
**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 150  
 $\alpha = 80^\circ$



|                        |         |
|------------------------|---------|
| 500 mm                 | 25,8 kg |
| 300 mm                 | 14,5 kg |
| 200 mm                 | 10,3 kg |
| 100 mm                 | 5,2 kg  |
| 550 mm<br>FRAZ. /SECT. | 28,3 kg |
| 50 mm                  | 2,6 kg  |
| 45 mm                  | 2,3kg   |
| 40 mm                  | 2,1 kg  |
| 35 mm                  | 1,8 kg  |
| 30 mm                  | 1,5 kg  |
| 25 mm                  | 1,3 kg  |

**3220**

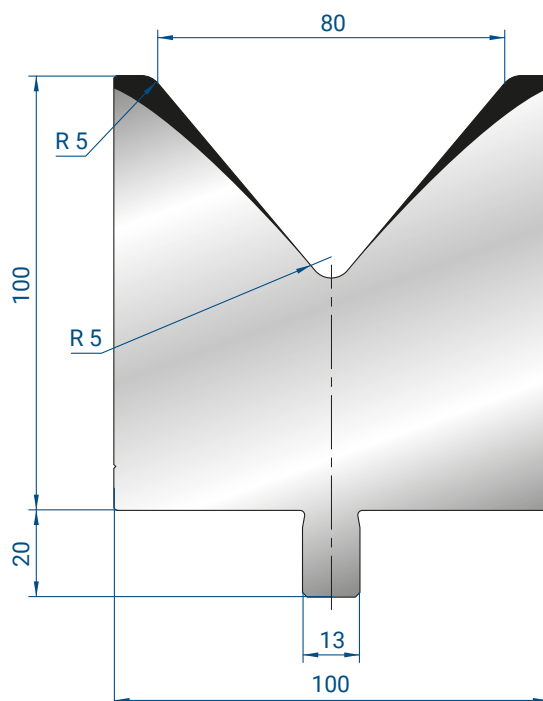
**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 150  
 $\alpha = 80^\circ$



|                        |         |
|------------------------|---------|
| 300 mm                 | 16,9 kg |
| 200 mm                 | 11,2 kg |
| 100 mm                 | 5,6 kg  |
| 550 mm<br>FRAZ. /SECT. | 30,9 kg |
| 50 mm                  | 2,8 kg  |
| 45 mm                  | 2,5 kg  |
| 40 mm                  | 2,2 kg  |
| 35 mm                  | 2,0 kg  |
| 30 mm                  | 1,7 kg  |
| 25 mm                  | 1,4 kg  |

**3221**

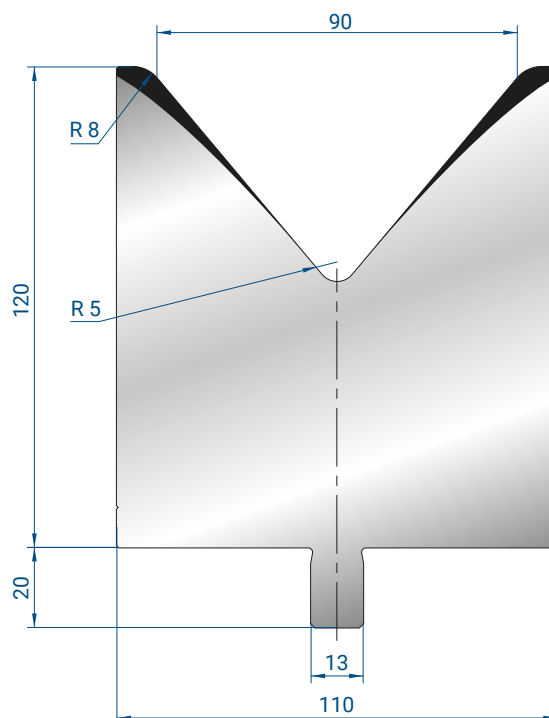
**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 150  
 **$\alpha$**  = 80°



|                        |         |
|------------------------|---------|
| 300 mm                 | 19,3 kg |
| 200 mm                 | 12,9 kg |
| 100 mm                 | 6,4 kg  |
| 550 mm<br>FRAZ. /SECT. | 35,4 kg |
| 50 mm                  | 3,2 kg  |
| 45 mm                  | 2,9 kg  |
| 40 mm                  | 2,6 kg  |
| 30 mm                  | 2,3 kg  |
| 25 mm                  | 1,9 kg  |
| 25 mm                  | 1,6 kg  |

**3222**

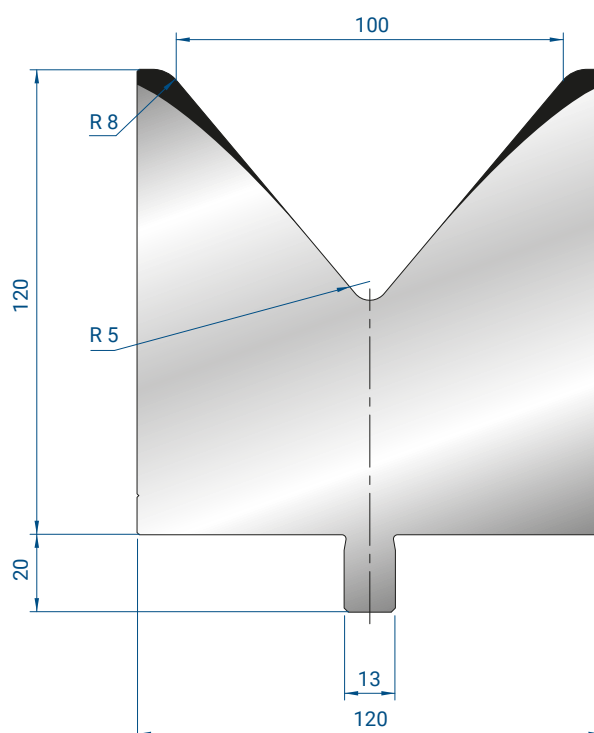
**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 150  
 **$\alpha$**  = 80°



|                        |         |
|------------------------|---------|
| 200 mm                 | 16,9 kg |
| 100 mm                 | 8,4 kg  |
| 550 mm<br>FRAZ. /SECT. | 46,5 kg |
| 50 mm                  | 4,2 kg  |
| 45 mm                  | 3,8 kg  |
| 40 mm                  | 3,4 kg  |
| 35 mm                  | 3,0 kg  |
| 30 mm                  | 2,5 kg  |
| 25 mm                  | 2,1 kg  |

**3223**

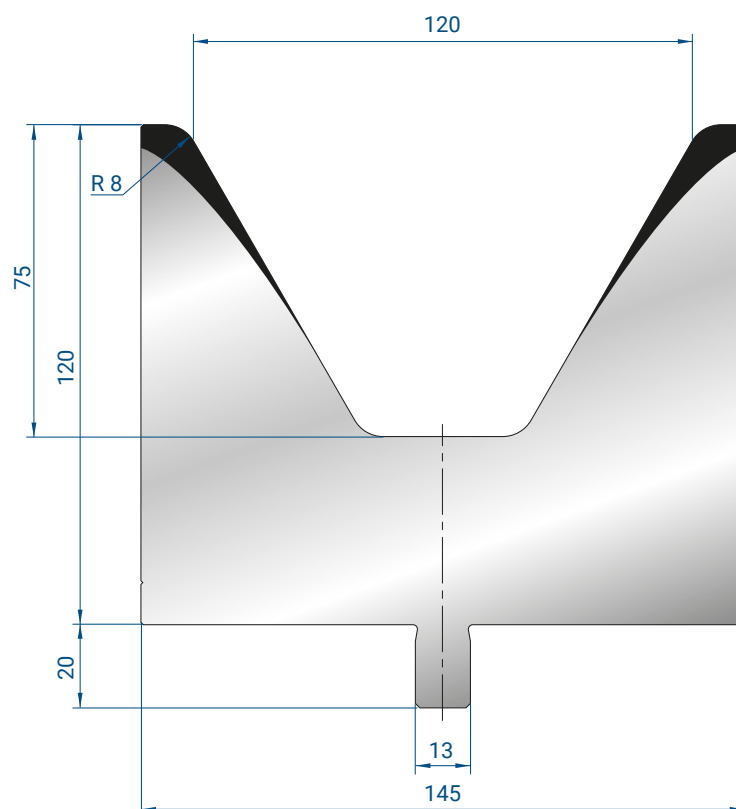
**Mat** = 42CrMo4  
bonificato /  
tempered  
**Max T/m** = 150  
 **$\alpha$**  = 80°



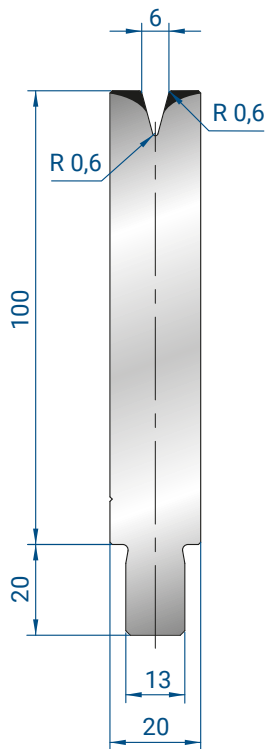
|                       |         |
|-----------------------|---------|
| 200 mm                | 17,8 kg |
| 100 mm                | 8,9 kg  |
| 550 mm<br>FRAZ. /SECT | 49,1 kg |
| 50 mm                 | 4,5 kg  |
| 45 mm                 | 4,0 kg  |
| 40 mm                 | 3,6 kg  |
| 35 mm                 | 3,1 kg  |
| 30 mm                 | 2,7 kg  |
| 25 mm                 | 2,2 kg  |

**3224**

**Mat** = 42CrMo4  
bonificato /  
tempered  
**Max T/m** = 160  
 **$\alpha$**  = 60°



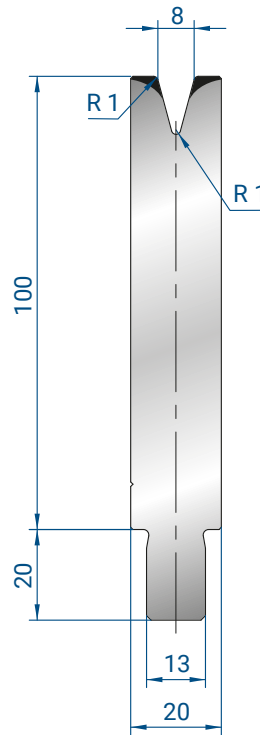
|                       |         |
|-----------------------|---------|
| 200 mm                | 18,1 kg |
| 100 mm                | 9,1 kg  |
| 550 mm<br>FRAZ. /SECT | 49,8 kg |
| 50 mm                 | 4,5 kg  |
| 45 mm                 | 4,1 kg  |
| 40 mm                 | 3,6 kg  |
| 35 mm                 | 3,2 kg  |
| 30 mm                 | 2,7 kg  |
| 25 mm                 | 2,3 kg  |



|                        |        |
|------------------------|--------|
| 500 mm                 | 8,7 kg |
| 300 mm                 | 5,2 kg |
| 200 mm                 | 3,5 kg |
| 100 mm                 | 1,7 kg |
| 550 mm<br>FRAZ. /SECT. | 9,6 kg |
| 50 mm                  | 0,9 kg |
| 45 mm                  | 0,8 kg |
| 40 mm                  | 0,7 kg |
| 35 mm                  | 0,6 kg |
| 30 mm                  | 0,5 kg |
| 25 mm                  | 0,4 kg |

**3206**

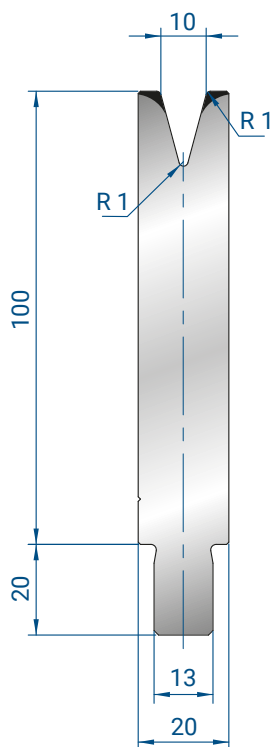
**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 60  
 **$\alpha$**  = 30°



|                        |        |
|------------------------|--------|
| 500 mm                 | 8,6 kg |
| 300 mm                 | 5,2 kg |
| 200 mm                 | 3,4 kg |
| 100 mm                 | 1,7 kg |
| 550 mm<br>FRAZ. /SECT. | 9,4 kg |
| 50 mm                  | 0,9 kg |
| 45 mm                  | 0,8 kg |
| 40 mm                  | 0,7 kg |
| 35 mm                  | 0,6 kg |
| 30 mm                  | 0,5 kg |
| 25 mm                  | 0,4 kg |

**3207**

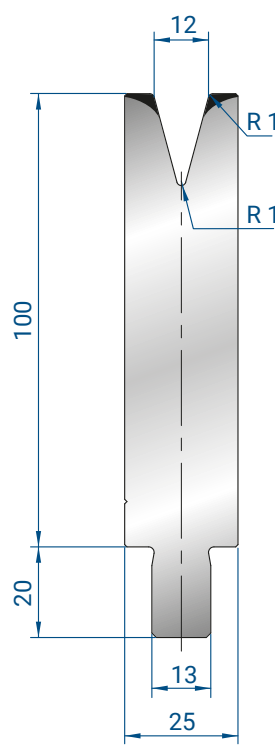
**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 50  
 **$\alpha$**  = 30°



|                        |        |
|------------------------|--------|
| 500 mm                 | 8,4 kg |
| 300 mm                 | 5,1 kg |
| 200 mm                 | 3,4 kg |
| 100 mm                 | 1,7 kg |
| 550 mm<br>FRAZ. /SECT. | 9,3 kg |
| 50 mm                  | 0,8 kg |
| 45 mm                  | 0,8 kg |
| 40 mm                  | 0,7 kg |
| 35 mm                  | 0,6 kg |
| 30 mm                  | 0,5 kg |
| 25 mm                  | 0,4 kg |

**3208**

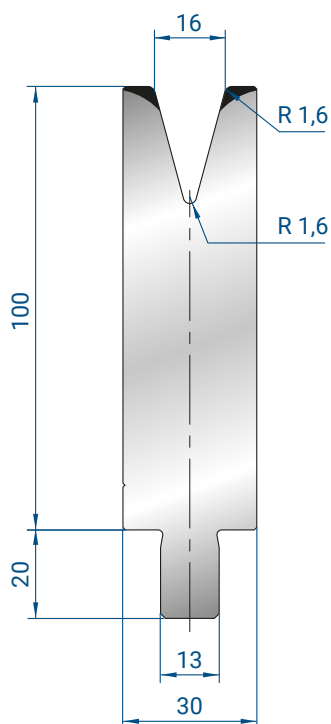
**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 50  
 **$\alpha$**  = 30°



|                        |         |
|------------------------|---------|
| 500 mm                 | 10,2 kg |
| 300 mm                 | 6,1 kg  |
| 200 mm                 | 4,1 kg  |
| 100 mm                 | 2,0 kg  |
| 550 mm<br>FRAZ. /SECT. | 11,3 kg |
| 50 mm                  | 1,0 kg  |
| 45 mm                  | 0,9 kg  |
| 40 mm                  | 0,8 kg  |
| 35 mm                  | 0,7 kg  |
| 30 mm                  | 0,6 kg  |
| 25 mm                  | 0,5 kg  |

**3209**

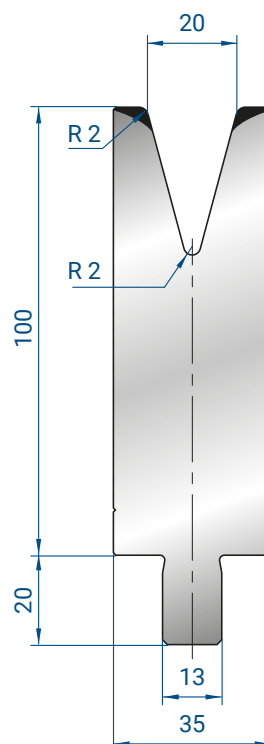
**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 56  
 **$\alpha$**  = 30°



|              |         |
|--------------|---------|
| 500 mm       | 11,8 kg |
| 300 mm       | 7,1 kg  |
| 200 mm       | 4,7 kg  |
| 100 mm       | 2,4 kg  |
| 550 mm       | 12,9 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,2 kg  |
| 45 mm        | 1,1 kg  |
| 40 mm        | 0,9 kg  |
| 35 mm        | 0,8 kg  |
| 30 mm        | 0,7 kg  |
| 25 mm        | 0,6 kg  |

**3210**

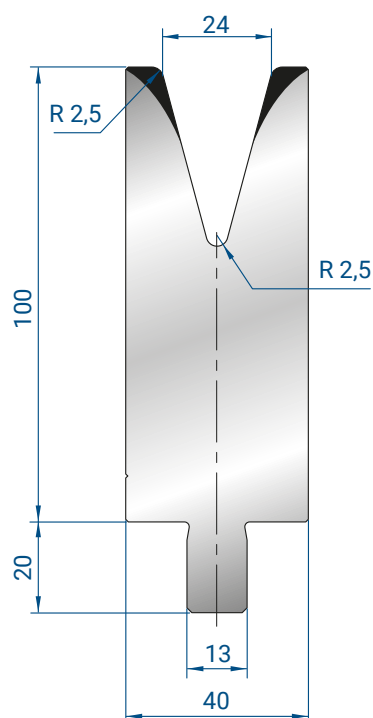
**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 68  
 $\alpha = 30^\circ$



|              |         |
|--------------|---------|
| 500 mm       | 13,2 kg |
| 300 mm       | 7,9 kg  |
| 200 mm       | 5,3 kg  |
| 100 mm       | 2,6 kg  |
| 550 mm       | 14,4 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,3 kg  |
| 45 mm        | 1,2 kg  |
| 40 mm        | 1,1 kg  |
| 35 mm        | 0,9 kg  |
| 30 mm        | 0,8 kg  |
| 25 mm        | 0,7 kg  |

**3211**

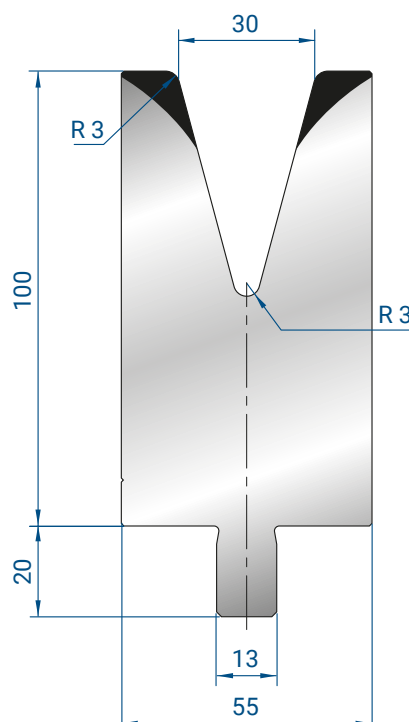
**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 50  
 $\alpha = 30^\circ$



|              |         |
|--------------|---------|
| 500 mm       | 14,4 kg |
| 300 mm       | 8,7 kg  |
| 200 mm       | 5,8 kg  |
| 100 mm       | 2,9 kg  |
| 550 mm       | 15,9 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,4 kg  |
| 45 mm        | 1,3 kg  |
| 40 mm        | 1,2 kg  |
| 35 mm        | 1,0 kg  |
| 30 mm        | 0,9 kg  |
| 25 mm        | 0,7 kg  |

**3212**

**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 55  
 $\alpha = 30^\circ$



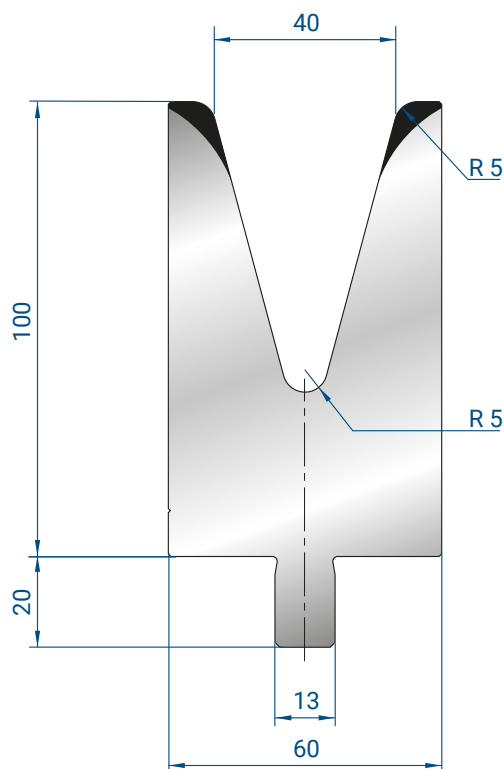
|              |         |
|--------------|---------|
| 500 mm       | 19,1 kg |
| 300 mm       | 11,4 kg |
| 200 mm       | 7,6 kg  |
| 100 mm       | 3,8 kg  |
| 550 mm       | 21,0 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,9 kg  |
| 45 mm        | 1,7 kg  |
| 40 mm        | 1,5 kg  |
| 35 mm        | 1,3 kg  |
| 30 mm        | 1,1 kg  |
| 25 mm        | 1,0 kg  |

**3213**

**Mat** = 42CrMo4  
bonificato /  
*tempered*  
**Max T/m** = 85  
 $\alpha = 30^\circ$

**3214**

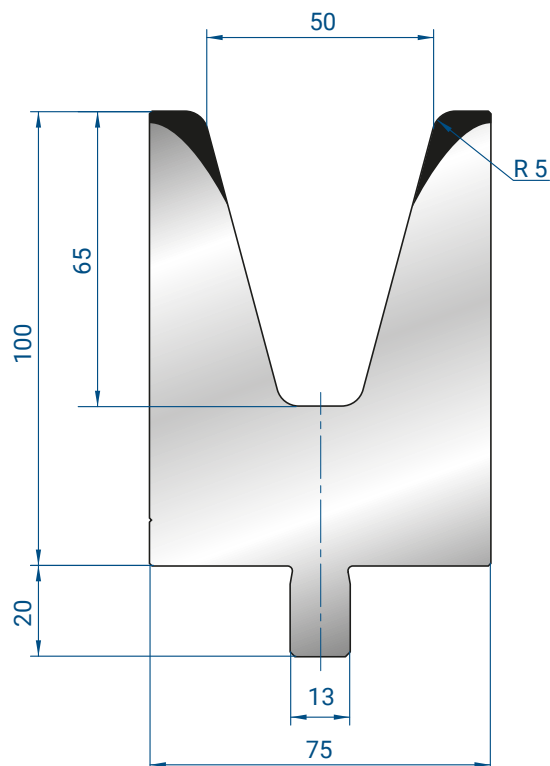
**Mat** = 42CrMo4  
 bonificato /  
 tempered  
**Max T/m** = 73  
 $\alpha = 30^\circ$



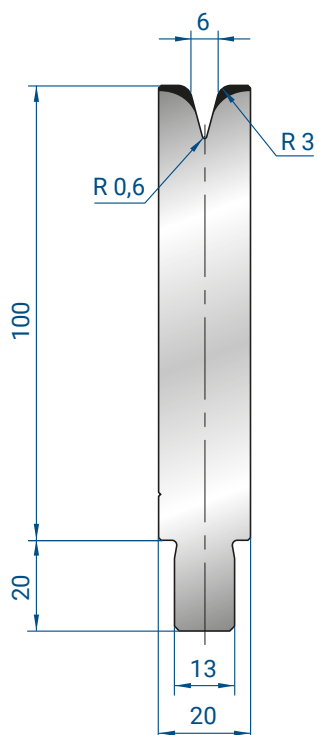
|                        |         |
|------------------------|---------|
| 500 mm                 | 18,3 kg |
| 300 mm                 | 11,0 kg |
| 200 mm                 | 7,3 kg  |
| 100 mm                 | 3,7 kg  |
| 550 mm<br>FRAZ. / SECT | 20,1 kg |
| 50 mm                  | 1,8 kg  |
| 45 mm                  | 1,6 kg  |
| 40 mm                  | 1,5 kg  |
| 35 mm                  | 1,3 kg  |
| 30 mm                  | 1,1 kg  |
| 25 mm                  | 0,9 kg  |

**3235**

**Mat** = 42CrMo4  
 bonificato /  
 tempered  
**Max T/m** = 100  
 $\alpha = 30^\circ$



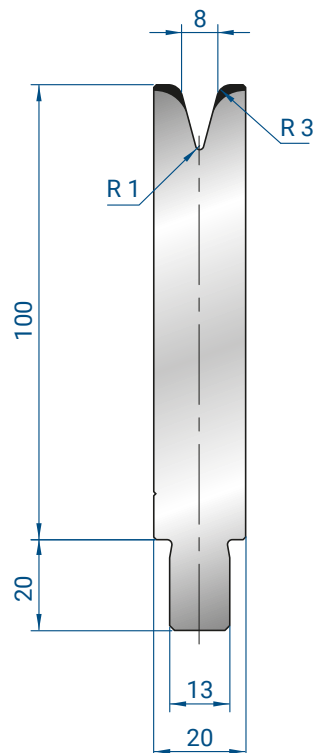
|                        |         |
|------------------------|---------|
| 500 mm                 | 21,6 kg |
| 300 mm                 | 12,9 kg |
| 200 mm                 | 8,6 kg  |
| 100 mm                 | 4,3 kg  |
| 550 mm<br>FRAZ. / SECT | 23,7 kg |
| 50 mm                  | 2,2 kg  |
| 45 mm                  | 1,9 kg  |
| 40 mm                  | 1,7 kg  |
| 35 mm                  | 1,5 kg  |
| 30 mm                  | 1,3 kg  |
| 25 mm                  | 1,1 kg  |



|              |        |
|--------------|--------|
| 500 mm       | 8,6 kg |
| 300 mm       | 5,2 kg |
| 200 mm       | 3,5 kg |
| 100 mm       | 1,7 kg |
| 550 mm       | 9,5 kg |
| FRAZ. /SECT. |        |
| 50 mm        | 0,9 kg |
| 45 mm        | 0,8 kg |
| 40 mm        | 0,7 kg |
| 35 mm        | 0,6 kg |
| 30 mm        | 0,5 kg |
| 25 mm        | 0,4 kg |

**3236**

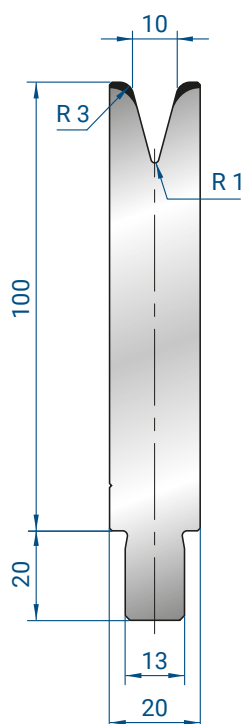
**Mat** = 42CrMo4  
 bonificato /  
 tempered  
**Max T/m** = 45  
 $\alpha = 30^\circ$



|              |        |
|--------------|--------|
| 500 mm       | 8,5 kg |
| 300 mm       | 5,1 kg |
| 200 mm       | 3,4 kg |
| 100 mm       | 1,7 kg |
| 550 mm       | 9,4 kg |
| FRAZ. /SECT. |        |
| 50 mm        | 0,9 kg |
| 45 mm        | 0,8 kg |
| 40 mm        | 0,7 kg |
| 35 mm        | 0,6 kg |
| 30 mm        | 0,5 kg |
| 25 mm        | 0,4 kg |

**3237**

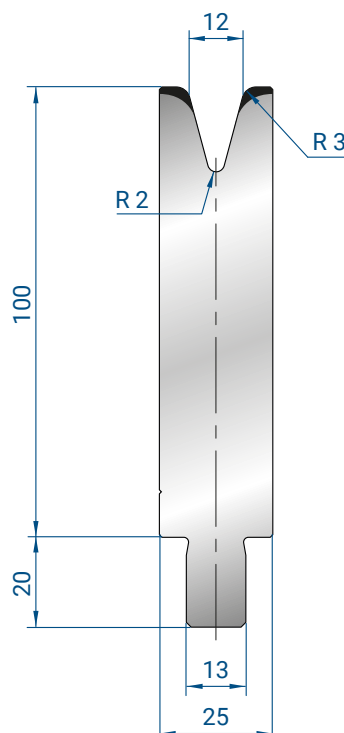
**Mat** = 42CrMo4  
 bonificato /  
 tempered  
**Max T/m** = 40  
 $\alpha = 30^\circ$



|              |        |
|--------------|--------|
| 500 mm       | 8,4 kg |
| 300 mm       | 5,0 kg |
| 200 mm       | 3,4 kg |
| 100 mm       | 1,7 kg |
| 550 mm       | 9,2 kg |
| FRAZ. /SECT. |        |
| 50 mm        | 0,8 kg |
| 45 mm        | 0,8 kg |
| 40 mm        | 0,7 kg |
| 35 mm        | 0,6 kg |
| 30 mm        | 0,5 kg |
| 25 mm        | 0,4 kg |

**3238**

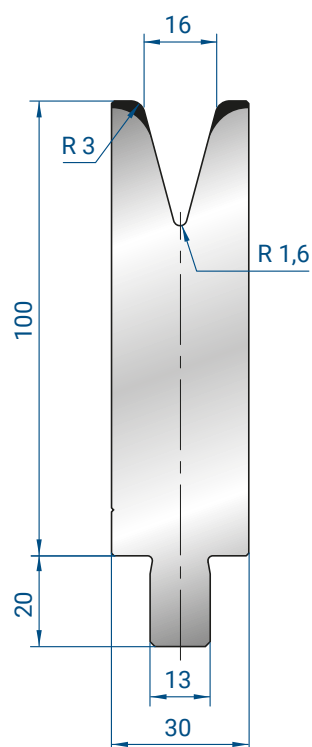
**Mat** = 42CrMo4  
 bonificato /  
 tempered  
**Max T/m** = 30  
 $\alpha = 30^\circ$



|              |         |
|--------------|---------|
| 500 mm       | 10,2 kg |
| 300 mm       | 6,1 kg  |
| 200 mm       | 4,1 kg  |
| 100 mm       | 2,0 kg  |
| 550 mm       | 11,2 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,0 kg  |
| 45 mm        | 0,9 kg  |
| 40 mm        | 0,8 kg  |
| 35 mm        | 0,7 kg  |
| 30 mm        | 0,6 kg  |
| 25 mm        | 0,5 kg  |

**3239**

**Mat** = 42CrMo4  
 bonificato /  
 tempered  
**Max T/m** = 40  
 $\alpha = 30^\circ$



|                        |         |
|------------------------|---------|
| 500 mm                 | 11,7 kg |
| 300 mm                 | 7,0 kg  |
| 200 mm                 | 4,7 kg  |
| 100 mm                 | 2,3 kg  |
| 550 mm<br>FRAZ. /SECT. | 12,9 kg |
| 50 mm                  | 1,2 kg  |
| 45 mm                  | 1,1 kg  |
| 40 mm                  | 0,9 kg  |
| 35 mm                  | 0,8 kg  |
| 30 mm                  | 0,7 kg  |
| 25 mm                  | 0,6 kg  |

## 3240

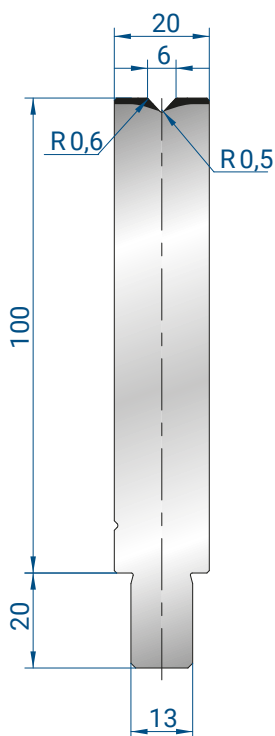
**Mat** = 42CrMo4

bonificato /

tempered

**Max T/m** = 40

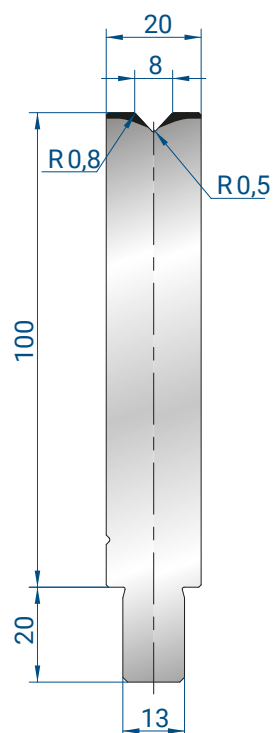
**$\alpha$**  = 30°



|                        |        |
|------------------------|--------|
| 500 mm                 | 8,8 kg |
| 300 mm                 | 5,3 kg |
| 200 mm                 | 3,5 kg |
| 100 mm                 | 1,8 kg |
| 550 mm<br>FRAZ. /SECT. | 9,7 kg |
| 50 mm                  | 0,9 kg |
| 45 mm                  | 0,8 kg |
| 40 mm                  | 0,7 kg |
| 35 mm                  | 0,6 kg |
| 30 mm                  | 0,5 kg |
| 25 mm                  | 0,4 kg |

**3123**

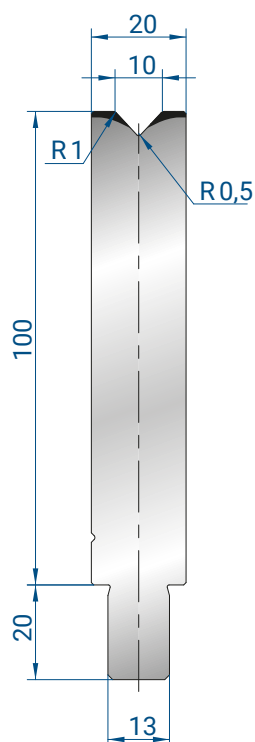
Mat = C45  
Max T/m = 100  
 $\alpha = 86^\circ$



|                        |        |
|------------------------|--------|
| 500 mm                 | 8,8 kg |
| 300 mm                 | 5,3 kg |
| 200 mm                 | 3,5 kg |
| 100 mm                 | 1,8 kg |
| 550 mm<br>FRAZ. /SECT. | 9,7 kg |
| 50 mm                  | 0,9 kg |
| 45 mm                  | 0,8 kg |
| 40 mm                  | 0,7 kg |
| 35 mm                  | 0,6 kg |
| 30 mm                  | 0,5 kg |
| 25 mm                  | 0,4 kg |

**3124**

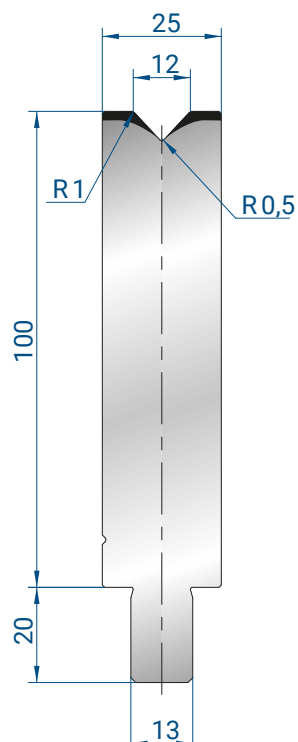
Mat = C45  
Max T/m = 100  
 $\alpha = 86^\circ$



|                        |        |
|------------------------|--------|
| 500 mm                 | 8,7 kg |
| 300 mm                 | 5,2 kg |
| 200 mm                 | 3,5 kg |
| 100 mm                 | 1,7 kg |
| 550 mm<br>FRAZ. /SECT. | 9,6 kg |
| 50 mm                  | 0,9 kg |
| 45 mm                  | 0,8 kg |
| 40 mm                  | 0,7 kg |
| 35 mm                  | 0,6 kg |
| 30 mm                  | 0,5 kg |
| 25 mm                  | 0,4 kg |

**3125**

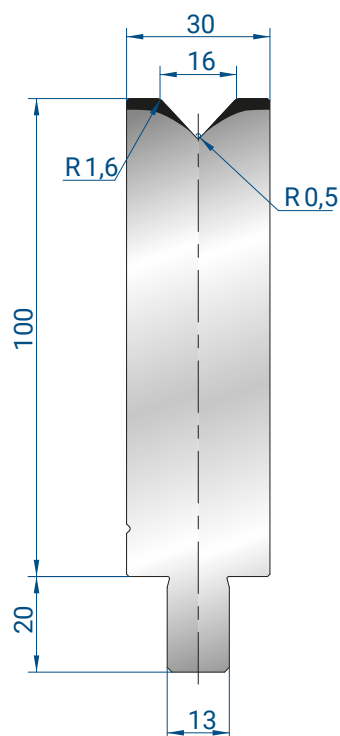
Mat = C45  
Max T/m = 100  
 $\alpha = 86^\circ$



|                        |         |
|------------------------|---------|
| 500 mm                 | 10,6 kg |
| 300 mm                 | 6,4 kg  |
| 200 mm                 | 4,3 kg  |
| 100 mm                 | 2,1 kg  |
| 550 mm<br>FRAZ. /SECT. | 11,7 kg |
| 50 mm                  | 1,1 kg  |
| 45 mm                  | 1,0 kg  |
| 40 mm                  | 0,9 kg  |
| 35 mm                  | 0,7 kg  |
| 30 mm                  | 0,6 kg  |
| 25 mm                  | 0,5 kg  |

**3126**

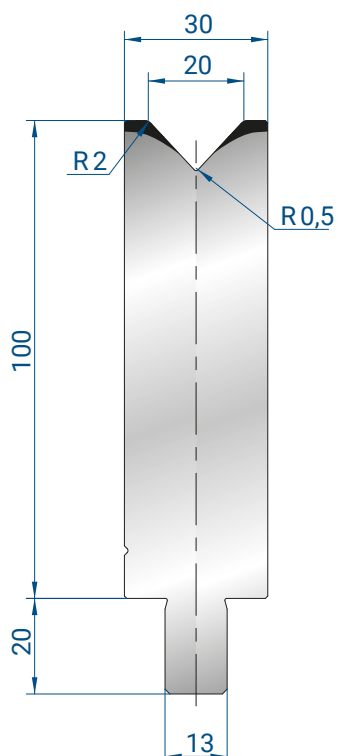
Mat = C45  
Max T/m = 100  
 $\alpha = 86^\circ$



|              |         |
|--------------|---------|
| 500 mm       | 12,5 kg |
| 300 mm       | 7,5 kg  |
| 200 mm       | 5,0 kg  |
| 100 mm       | 2,5 kg  |
| 550 mm       | 13,7 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,2 kg  |
| 45 mm        | 1,1 kg  |
| 40 mm        | 1,0 kg  |
| 35 mm        | 0,9 kg  |
| 30 mm        | 0,7 kg  |
| 25 mm        | 0,6 kg  |

**3127**

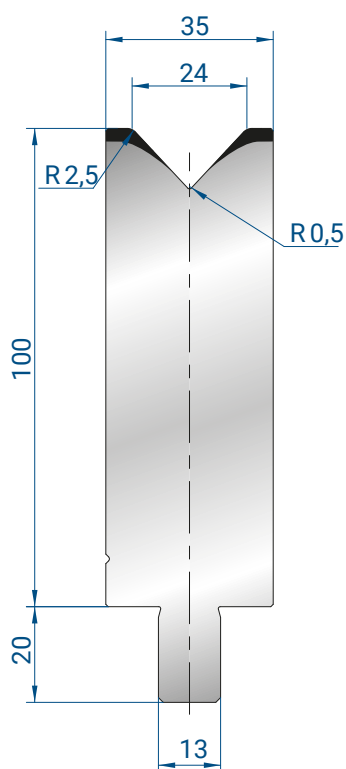
Mat = C45  
 Max T/m = 100  
 $\alpha = 86^\circ$



|              |         |
|--------------|---------|
| 500 mm       | 12,3 kg |
| 300 mm       | 7,4 kg  |
| 200 mm       | 4,9 kg  |
| 100 mm       | 2,5 kg  |
| 550 mm       | 13,6 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,2 kg  |
| 45 mm        | 1,1 kg  |
| 40 mm        | 1,0 kg  |
| 35 mm        | 0,9 kg  |
| 30 mm        | 0,7 kg  |
| 25 mm        | 0,6 kg  |

**3128**

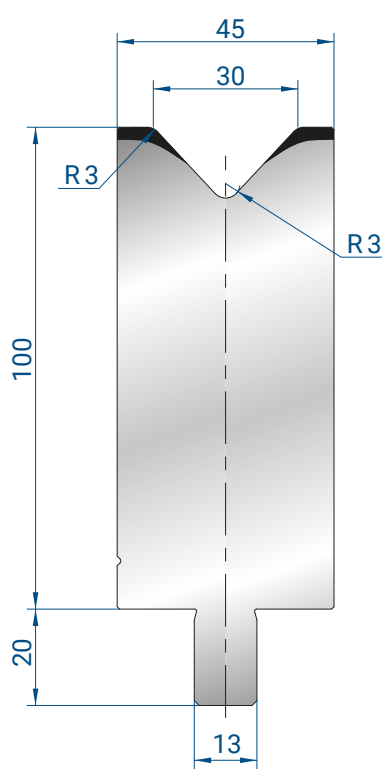
Mat = C45  
 Max T/m = 100  
 $\alpha = 86^\circ$



|              |         |
|--------------|---------|
| 500 mm       | 14,1 kg |
| 300 mm       | 8,5 kg  |
| 200 mm       | 5,6 kg  |
| 100 mm       | 2,8 kg  |
| 550 mm       | 15,5 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,4 kg  |
| 45 mm        | 1,3 kg  |
| 40 mm        | 1,1 kg  |
| 35 mm        | 1,0 kg  |
| 30 mm        | 0,8 kg  |
| 25 mm        | 0,7 kg  |

**3129**

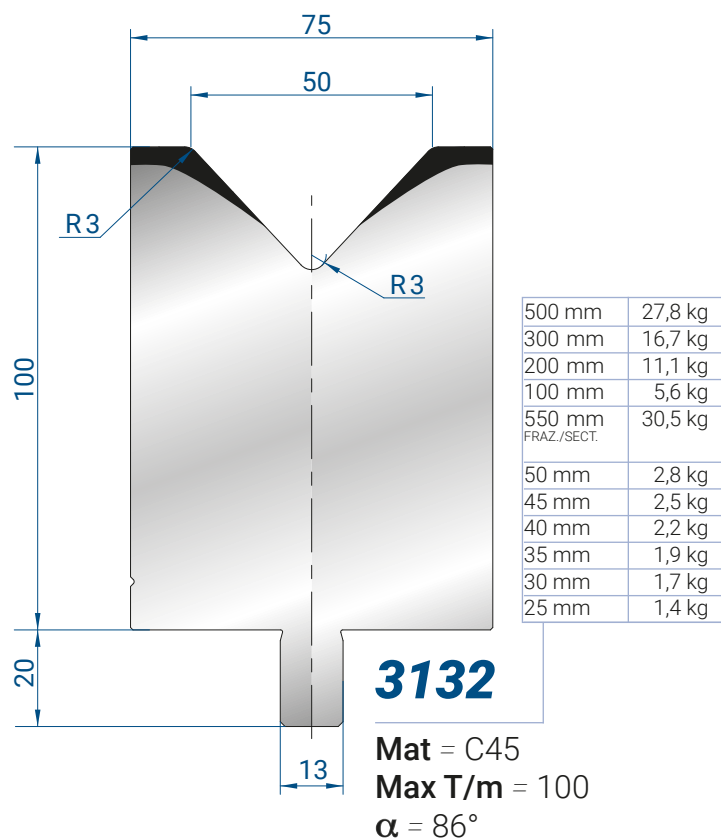
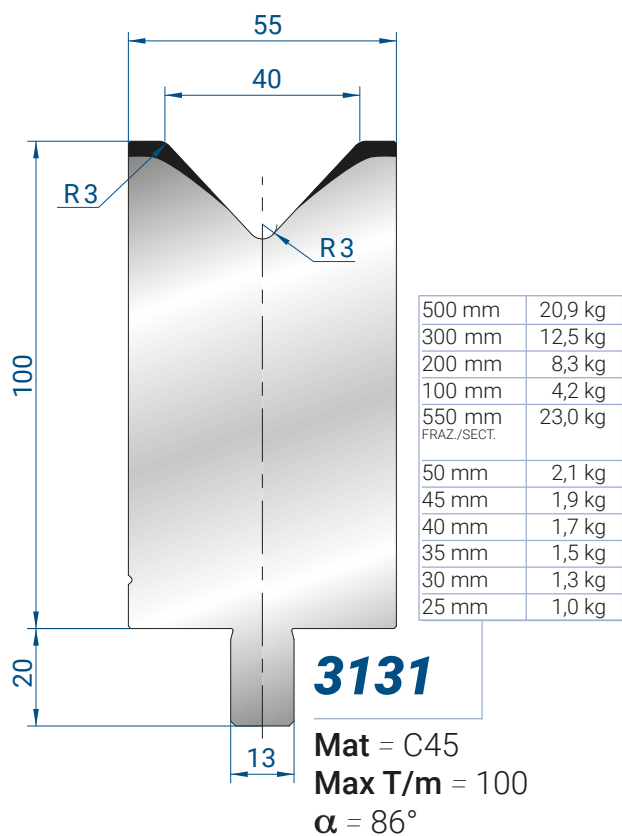
Mat = C45  
 Max T/m = 100  
 $\alpha = 86^\circ$



|              |         |
|--------------|---------|
| 500 mm       | 17,7 kg |
| 300 mm       | 10,6 kg |
| 200 mm       | 7,1 kg  |
| 100 mm       | 3,5 kg  |
| 550 mm       | 19,5 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,8 kg  |
| 45 mm        | 1,6 kg  |
| 40 mm        | 1,4 kg  |
| 35 mm        | 1,2 kg  |
| 30 mm        | 1,1 kg  |
| 25 mm        | 0,9 kg  |

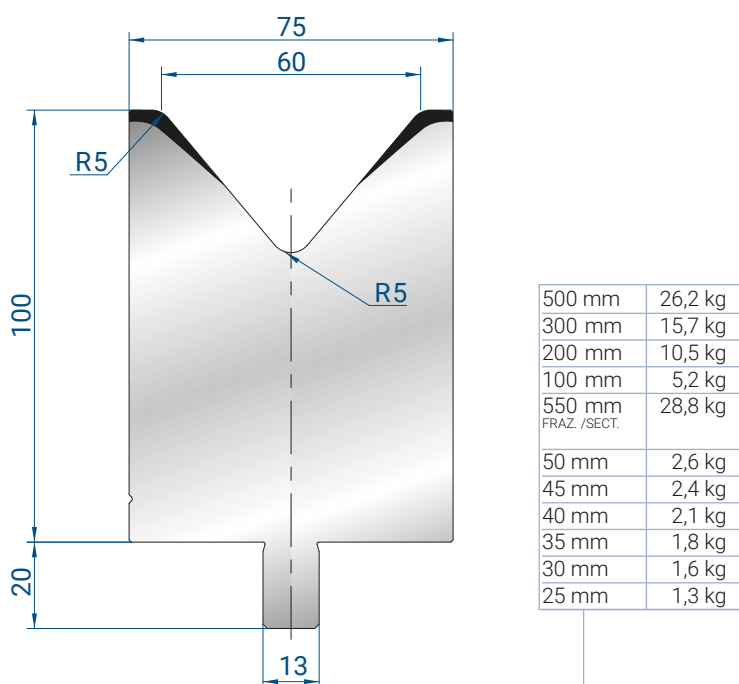
**3130**

Mat = C45  
 Max T/m = 100  
 $\alpha = 86^\circ$



**3133**

Mat = C45  
Max T/m = 100  
 $\alpha = 80^\circ$

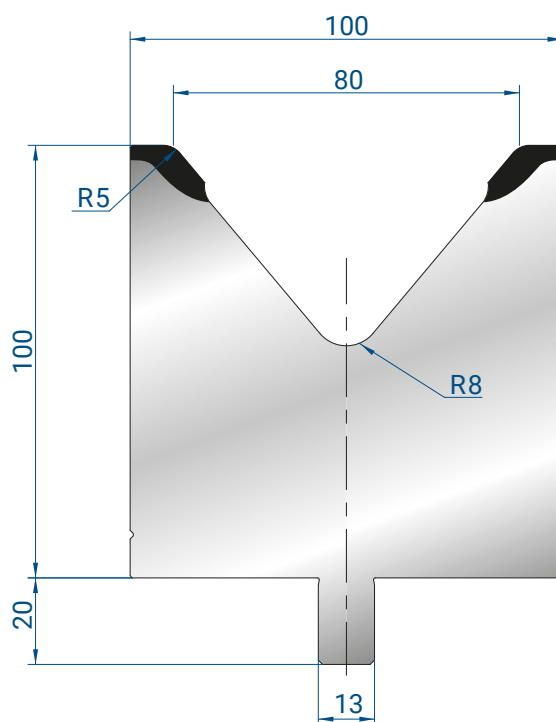


## 3134

Mat = C45

Max T/m = 100

$\alpha = 80^\circ$



|                         |         |
|-------------------------|---------|
| 500 mm                  | 32,9 kg |
| 300 mm                  | 19,8 kg |
| 200 mm                  | 13,2 kg |
| 100 mm                  | 6,6 kg  |
| 550 mm<br>FRAZ. / SECT. | 36,2 kg |
| 50 mm                   | 3,3 kg  |
| 45 mm                   | 3,0 kg  |
| 40 mm                   | 2,6 kg  |
| 35 mm                   | 2,3 kg  |
| 30 mm                   | 2,0 kg  |
| 25 mm                   | 1,6 kg  |

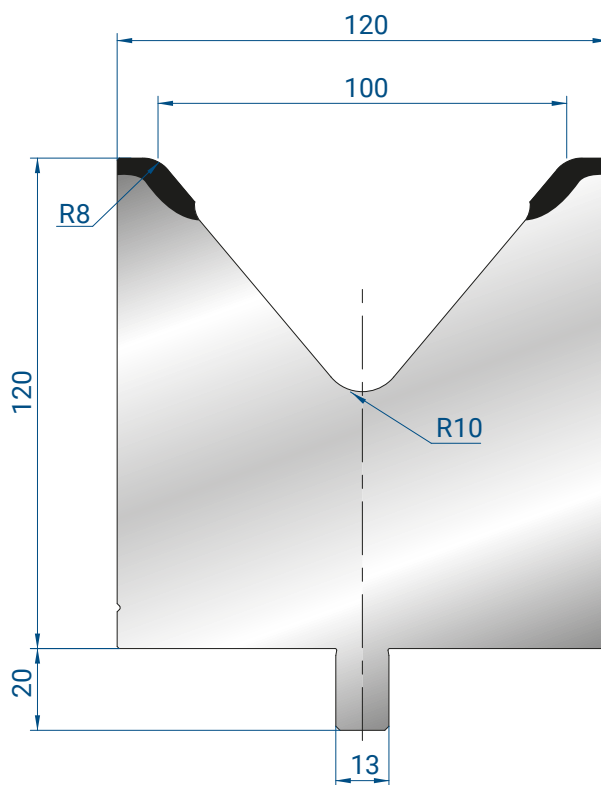
TRUMPF STYLE

## 3135

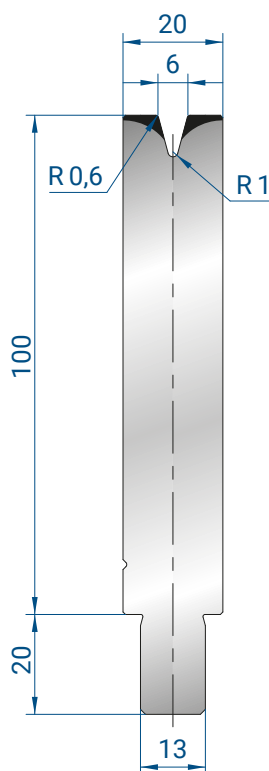
Mat = C45

Max T/m = 100

$\alpha = 80^\circ$



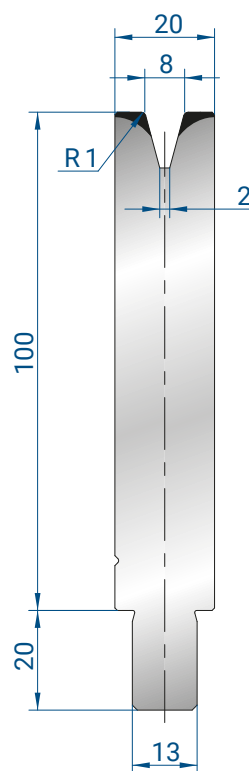
|                         |         |
|-------------------------|---------|
| 500 mm                  | 44,9 kg |
| 300 mm                  | 26,9 kg |
| 200 mm                  | 17,9 kg |
| 100 mm                  | 9,0 kg  |
| 550 mm<br>FRAZ. / SECT. | 49,3 kg |
| 50 mm                   | 4,5 kg  |
| 45 mm                   | 4,0 kg  |
| 40 mm                   | 3,6 kg  |
| 35 mm                   | 3,1 kg  |
| 30 mm                   | 2,7 kg  |
| 25 mm                   | 2,2 kg  |



|                        |        |
|------------------------|--------|
| 500 mm                 | 8,7 kg |
| 300 mm                 | 5,2 kg |
| 200 mm                 | 3,5 kg |
| 100 mm                 | 1,7 kg |
| 550 mm<br>FRAZ. /SECT. | 9,6 kg |
| 50 mm                  | 0,9 kg |
| 45 mm                  | 0,8 kg |
| 40 mm                  | 0,7 kg |
| 35 mm                  | 0,6 kg |
| 30 mm                  | 0,5 kg |
| 25 mm                  | 0,4 kg |

**3136**

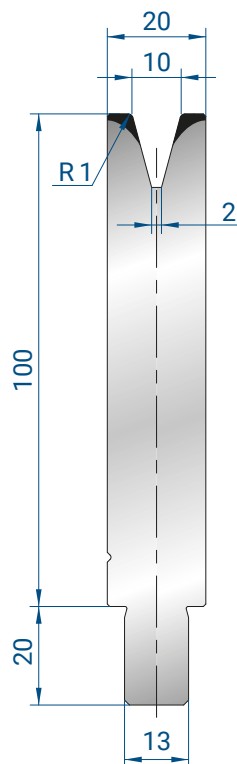
Mat = C45  
Max T/m = 50  
 $\alpha = 30^\circ$



|                        |        |
|------------------------|--------|
| 500 mm                 | 8,6 kg |
| 300 mm                 | 5,2 kg |
| 200 mm                 | 3,4 kg |
| 100 mm                 | 1,7 kg |
| 550 mm<br>FRAZ. /SECT. | 9,5 kg |
| 50 mm                  | 0,9 kg |
| 45 mm                  | 0,8 kg |
| 40 mm                  | 0,7 kg |
| 35 mm                  | 0,6 kg |
| 30 mm                  | 0,5 kg |
| 25 mm                  | 0,4 kg |

**3137**

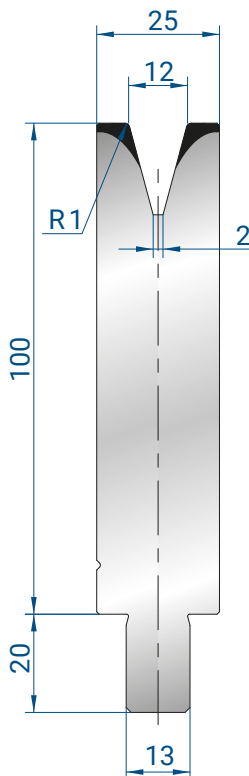
Mat = C45  
Max T/m = 40  
 $\alpha = 30^\circ$



|                        |        |
|------------------------|--------|
| 500 mm                 | 8,5 kg |
| 300 mm                 | 5,1 kg |
| 200 mm                 | 3,4 kg |
| 100 mm                 | 1,7 kg |
| 550 mm<br>FRAZ. /SECT. | 9,3 kg |
| 50 mm                  | 0,8 kg |
| 45 mm                  | 0,8 kg |
| 40 mm                  | 0,7 kg |
| 35 mm                  | 0,6 kg |
| 30 mm                  | 0,5 kg |
| 25 mm                  | 0,4 kg |

**3138**

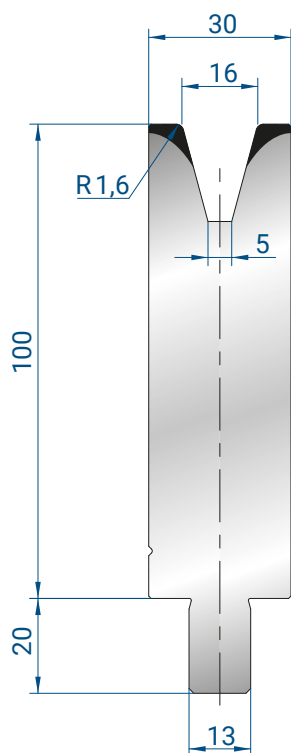
Mat = C45  
Max T/m = 40  
 $\alpha = 30^\circ$



|                        |         |
|------------------------|---------|
| 500 mm                 | 10,3 kg |
| 300 mm                 | 6,2 kg  |
| 200 mm                 | 4,1 kg  |
| 100 mm                 | 2,1 kg  |
| 550 mm<br>FRAZ. /SECT. | 11,3 kg |
| 50 mm                  | 1,0 kg  |
| 45 mm                  | 0,9 kg  |
| 40 mm                  | 0,8 kg  |
| 35 mm                  | 0,7 kg  |
| 30 mm                  | 0,6 kg  |
| 25 mm                  | 0,5 kg  |

**3139**

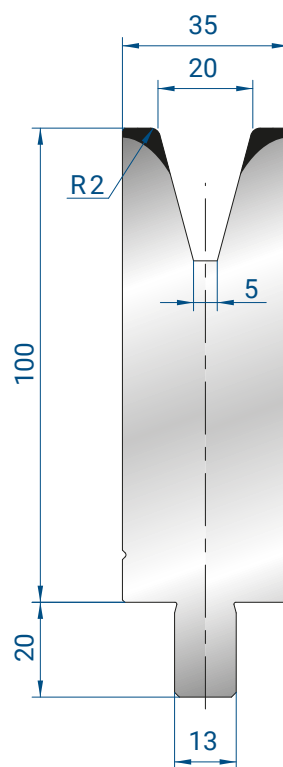
Mat = C45  
Max T/m = 50  
 $\alpha = 30^\circ$



|              |         |
|--------------|---------|
| 500 mm       | 11,9 kg |
| 300 mm       | 7,1 kg  |
| 200 mm       | 4,8 kg  |
| 100 mm       | 2,4 kg  |
| 550 mm       | 13,1 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,2 kg  |
| 45 mm        | 1,1 kg  |
| 40 mm        | 1,0 kg  |
| 35 mm        | 0,8 kg  |
| 30 mm        | 0,7 kg  |
| 25 mm        | 0,6 kg  |

**3140**

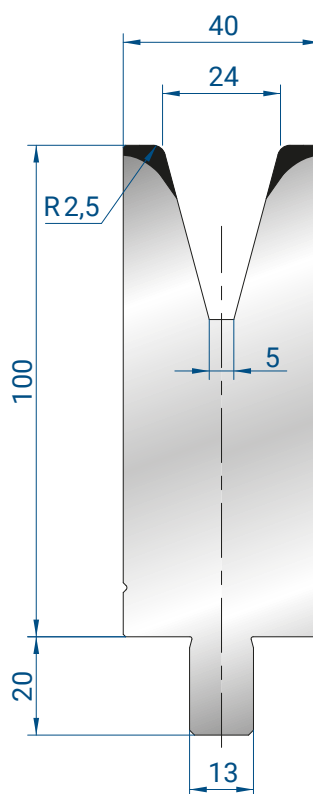
Mat = C45  
Max T/m = 45  
 $\alpha = 30^\circ$



|              |         |
|--------------|---------|
| 500 mm       | 13,3 kg |
| 300 mm       | 8,0 kg  |
| 200 mm       | 5,3 kg  |
| 100 mm       | 2,7 kg  |
| 550 mm       | 14,7 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,3 kg  |
| 45 mm        | 1,2 kg  |
| 40 mm        | 1,1 kg  |
| 35 mm        | 0,9 kg  |
| 30 mm        | 0,8 kg  |
| 25 mm        | 0,7 kg  |

**3141**

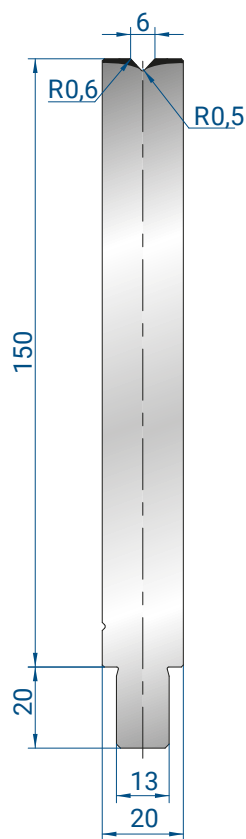
Mat = C45  
Max T/m = 50  
 $\alpha = 30^\circ$



|              |         |
|--------------|---------|
| 500 mm       | 14,7 kg |
| 300 mm       | 8,8 kg  |
| 200 mm       | 5,9 kg  |
| 100 mm       | 2,9 kg  |
| 550 mm       | 16,1 kg |
| FRAZ. /SECT. |         |
| 50 mm        | 1,5 kg  |
| 45 mm        | 1,3 kg  |
| 40 mm        | 1,2 kg  |
| 35 mm        | 1,0 kg  |
| 30 mm        | 0,9 kg  |
| 25 mm        | 0,7 kg  |

**3142**

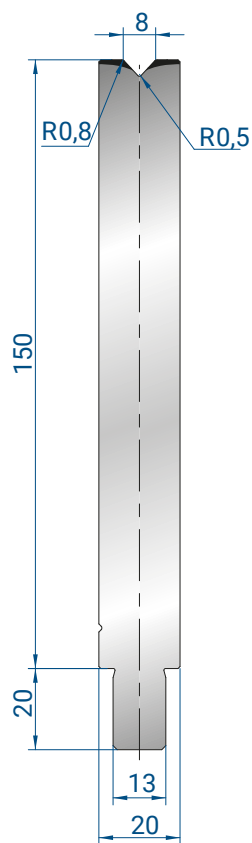
Mat = C45  
Max T/m = 50  
 $\alpha = 30^\circ$



|                        |         |
|------------------------|---------|
| 500 mm                 | 12,7 kg |
| 300 mm                 | 7,6 kg  |
| 200 mm                 | 5,1 kg  |
| 100 mm                 | 2,5 kg  |
| 550 mm<br>FRAZ. /SECT. | 14,0 kg |
| 50 mm                  | 1,3 kg  |
| 45 mm                  | 1,1 kg  |
| 40 mm                  | 1,0 kg  |
| 35 mm                  | 0,9 kg  |
| 30 mm                  | 0,8 kg  |
| 25 mm                  | 0,6 kg  |

# 3143

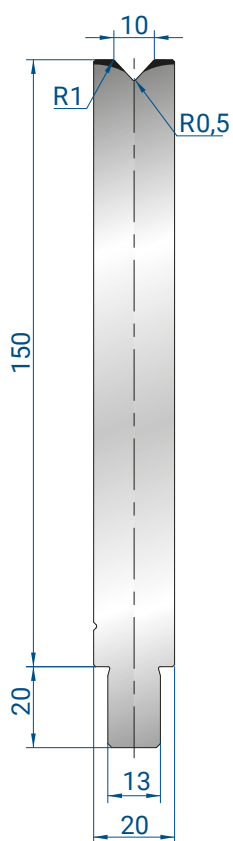
Mat = C45  
Max T/m = 100  
 $\alpha = 86^\circ$



|                        |         |
|------------------------|---------|
| 500 mm                 | 12,7 kg |
| 300 mm                 | 7,6 kg  |
| 200 mm                 | 5,1 kg  |
| 100 mm                 | 2,5 kg  |
| 550 mm<br>FRAZ. /SECT. | 14,0 kg |
| 50 mm                  | 1,3 kg  |
| 45 mm                  | 1,1 kg  |
| 40 mm                  | 1,0 kg  |
| 35 mm                  | 0,9 kg  |
| 30 mm                  | 0,8 kg  |
| 25 mm                  | 0,6 kg  |

# 3144

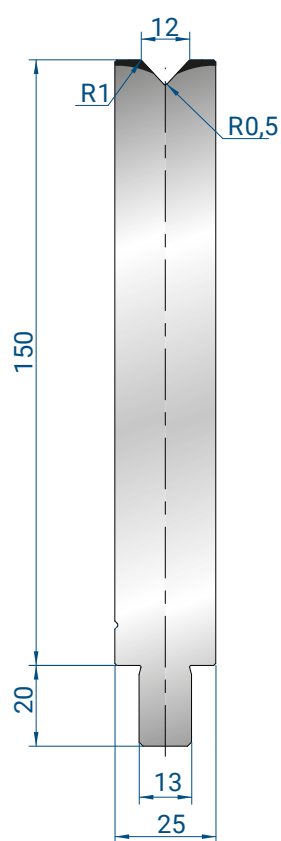
Mat = C45  
Max T/m = 100  
 $\alpha = 86^\circ$



|                     |         |
|---------------------|---------|
| 500 mm              | 12,6 kg |
| 300 mm              | 7,6 kg  |
| 200 mm              | 5,1 kg  |
| 100 mm              | 2,5 kg  |
| 550 mm FRAZ. /SECT. | 13,9 kg |
| 50 mm               | 1,3 kg  |
| 45 mm               | 1,1 kg  |
| 40 mm               | 1,0 kg  |
| 35 mm               | 0,9 kg  |
| 30 mm               | 0,8 kg  |
| 25 mm               | 0,6 kg  |

**3145**

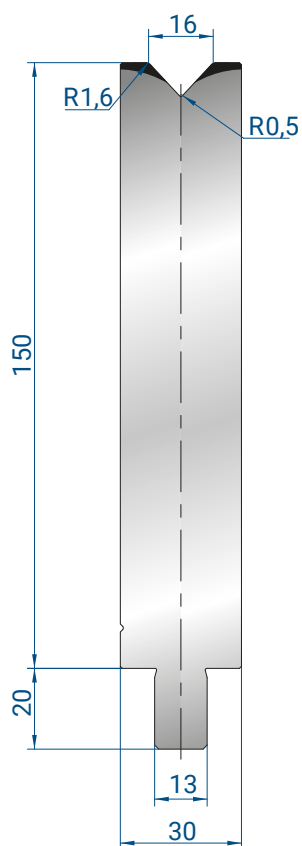
Mat = C45  
Max T/m = 100  
 $\alpha = 86^\circ$



|                     |         |
|---------------------|---------|
| 500 mm              | 15,5 kg |
| 300 mm              | 9,3 kg  |
| 200 mm              | 6,2 kg  |
| 100 mm              | 3,1 kg  |
| 550 mm FRAZ. /SECT. | 17,1 kg |
| 50 mm               | 1,6 kg  |
| 45 mm               | 1,4 kg  |
| 40 mm               | 1,2 kg  |
| 35 mm               | 1,1 kg  |
| 30 mm               | 0,9 kg  |
| 25 mm               | 0,8 kg  |

**3146**

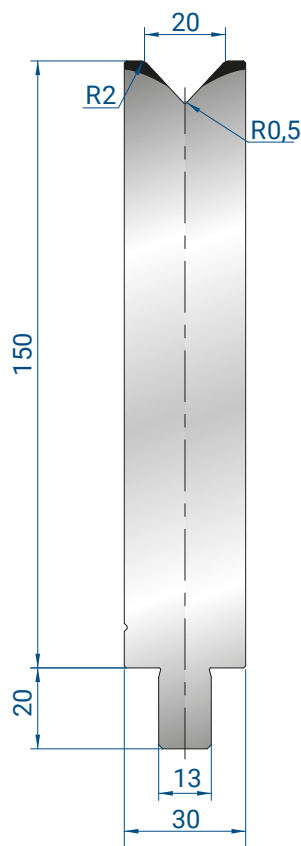
Mat = C45  
Max T/m = 100  
 $\alpha = 86^\circ$



|                     |         |
|---------------------|---------|
| 500 mm              | 18,4 kg |
| 300 mm              | 11,0 kg |
| 200 mm              | 7,3 kg  |
| 100 mm              | 3,7 kg  |
| 550 mm FRAZ. /SECT. | 20,2 kg |
| 50 mm               | 1,8 kg  |
| 45 mm               | 1,7 kg  |
| 40 mm               | 1,5 kg  |
| 35 mm               | 1,3 kg  |
| 30 mm               | 1,1 kg  |
| 25 mm               | 0,9 kg  |

**3147**

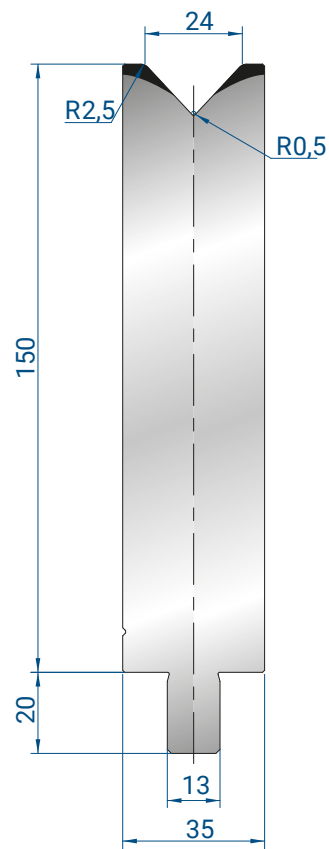
Mat = C45  
Max T/m = 100  
 $\alpha = 86^\circ$



|                     |         |
|---------------------|---------|
| 500 mm              | 18,2 kg |
| 300 mm              | 10,9 kg |
| 200 mm              | 7,3 kg  |
| 100 mm              | 3,6 kg  |
| 550 mm FRAZ. /SECT. | 20,0 kg |
| 50 mm               | 1,8 kg  |
| 45 mm               | 1,6 kg  |
| 40 mm               | 1,5 kg  |
| 35 mm               | 1,3 kg  |
| 30 mm               | 1,1 kg  |
| 25 mm               | 0,9 kg  |

**3148**

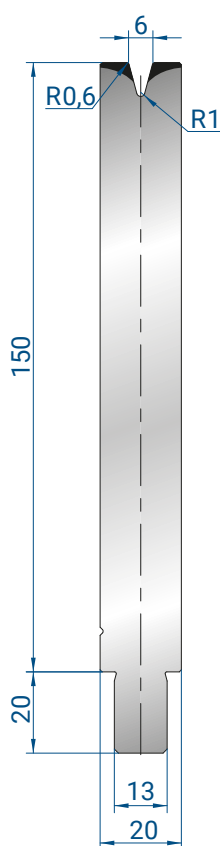
Mat = C45  
Max T/m = 100  
 $\alpha = 86^\circ$



|                        |         |
|------------------------|---------|
| 500 mm                 | 21,0 kg |
| 300 mm                 | 12,6 kg |
| 200 mm                 | 8,4 kg  |
| 100 mm                 | 4,2 kg  |
| 550 mm<br>FRAZ. /SECT. | 23,1 kg |
| 50 mm                  | 2,1 kg  |
| 45 mm                  | 1,9 kg  |
| 40 mm                  | 1,7 kg  |
| 35 mm                  | 1,5 kg  |
| 30 mm                  | 1,3 kg  |
| 25 mm                  | 1,0 kg  |

**3149**

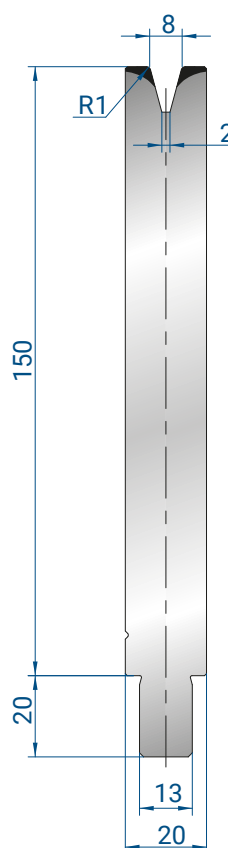
**Mat = C45**  
**Max T/m = 100**  
 **$\alpha = 86^\circ$**



|                        |         |
|------------------------|---------|
| 500 mm                 | 12,6 kg |
| 300 mm                 | 7,6 kg  |
| 200 mm                 | 5,1 kg  |
| 100 mm                 | 2,5 kg  |
| 550 mm<br>FRAZ. /SECT. | 13,9 kg |
| 50 mm                  | 1,3 kg  |
| 45 mm                  | 1,1 kg  |
| 40 mm                  | 1,0 kg  |
| 35 mm                  | 0,9 kg  |
| 30 mm                  | 0,8 kg  |
| 25 mm                  | 0,6 kg  |

**3150**

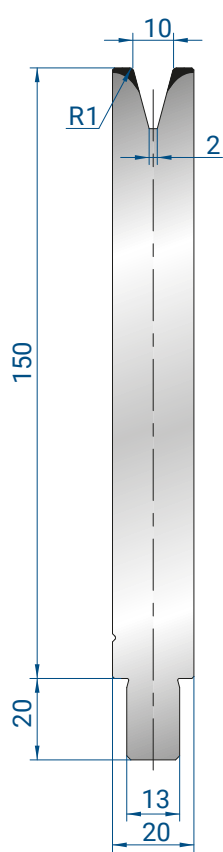
**Mat = C45**  
**Max T/m = 50**  
 **$\alpha = 30^\circ$**



|                        |         |
|------------------------|---------|
| 500 mm                 | 12,5 kg |
| 300 mm                 | 7,5 kg  |
| 200 mm                 | 5,0 kg  |
| 100 mm                 | 2,5 kg  |
| 550 mm<br>FRAZ. /SECT. | 13,8 kg |
| 50 mm                  | 1,3 kg  |
| 45 mm                  | 1,2 kg  |
| 40 mm                  | 1,0 kg  |
| 35 mm                  | 0,9 kg  |
| 30 mm                  | 0,8 kg  |
| 25 mm                  | 0,7 kg  |

**3151**

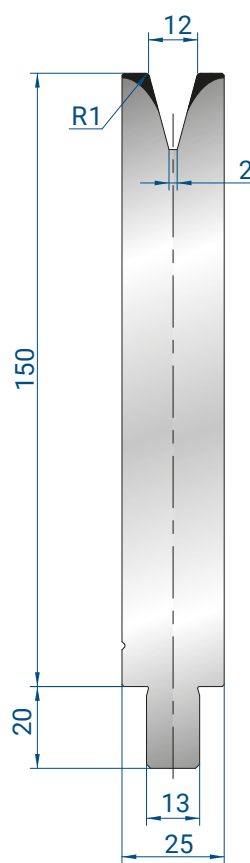
**Mat = C45**  
**Max T/m = 40**  
 **$\alpha = 30^\circ$**



|                     |         |
|---------------------|---------|
| 500 mm              | 12,4 kg |
| 300 mm              | 7,4 kg  |
| 200 mm              | 5,0 kg  |
| 100 mm              | 2,5 kg  |
| 550 mm FRAZ. /SECT. | 13,6 kg |
| 50 mm               | 1,2 kg  |
| 45 mm               | 1,1 kg  |
| 40 mm               | 1,0 kg  |
| 35 mm               | 0,9 kg  |
| 30 mm               | 0,7 kg  |
| 25 mm               | 0,6 kg  |

**3152**

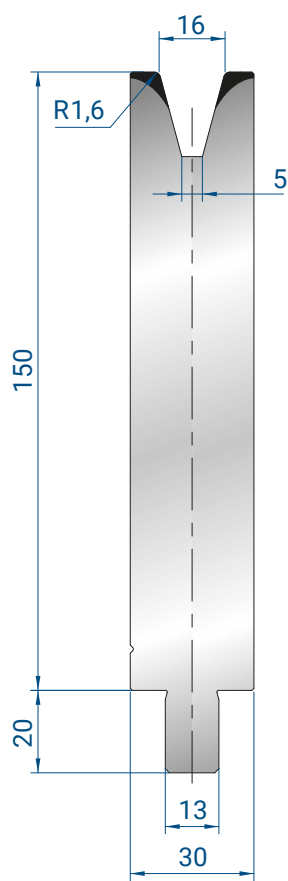
Mat = C45  
Max T/m = 40  
 $\alpha = 30^\circ$



|                     |         |
|---------------------|---------|
| 500 mm              | 15,2 kg |
| 300 mm              | 9,1 kg  |
| 200 mm              | 6,1 kg  |
| 100 mm              | 3,0 kg  |
| 550 mm FRAZ. /SECT. | 16,7 kg |
| 50 mm               | 1,5 kg  |
| 45 mm               | 1,4 kg  |
| 40 mm               | 1,2 kg  |
| 35 mm               | 1,1 kg  |
| 30 mm               | 0,9 kg  |
| 25 mm               | 0,8 kg  |

**3153**

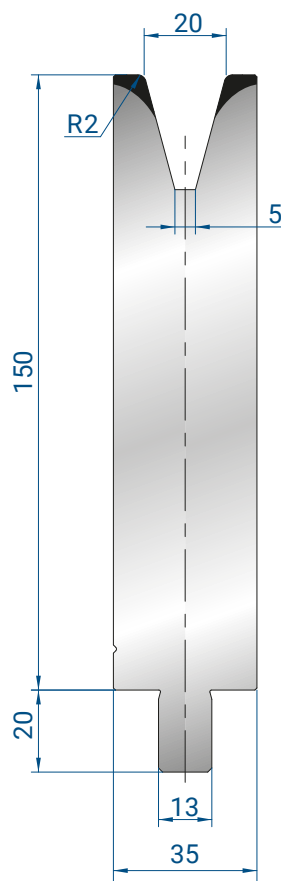
Mat = C45  
Max T/m = 50  
 $\alpha = 30^\circ$



|                     |         |
|---------------------|---------|
| 500 mm              | 17,8 kg |
| 300 mm              | 10,7 kg |
| 200 mm              | 7,1 kg  |
| 100 mm              | 3,6 kg  |
| 550 mm FRAZ. /SECT. | 19,6 kg |
| 50 mm               | 1,8 kg  |
| 45 mm               | 1,6 kg  |
| 40 mm               | 1,4 kg  |
| 35 mm               | 1,2 kg  |
| 30 mm               | 1,1 kg  |
| 25 mm               | 0,9 kg  |

**3154**

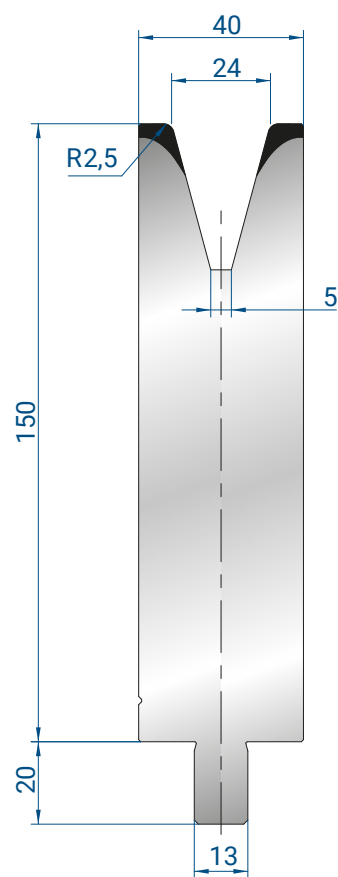
Mat = C45  
Max T/m = 45  
 $\alpha = 30^\circ$



|                     |         |
|---------------------|---------|
| 500 mm              | 20,2 kg |
| 300 mm              | 12,1 kg |
| 200 mm              | 8,1 kg  |
| 100 mm              | 4,0 kg  |
| 550 mm FRAZ. /SECT. | 22,2 kg |
| 50 mm               | 2,0 kg  |
| 45 mm               | 1,8 kg  |
| 40 mm               | 1,6 kg  |
| 35 mm               | 1,4 kg  |
| 30 mm               | 1,2 kg  |
| 25 mm               | 1,0 kg  |

**3155**

Mat = C45  
Max T/m = 50  
 $\alpha = 30^\circ$



|                        |         |
|------------------------|---------|
| 500 mm                 | 22,5 kg |
| 300 mm                 | 13,5 kg |
| 200 mm                 | 9,0 kg  |
| 100 mm                 | 4,5 kg  |
| 550 mm<br>FRAZ. /SECT. | 24,7 kg |
| 50 mm                  | 2,2 kg  |
| 45 mm                  | 2,0 kg  |
| 40 mm                  | 1,8 kg  |
| 35 mm                  | 1,6 kg  |
| 30 mm                  | 1,3 kg  |
| 25 mm                  | 1,1 kg  |

**3156**

**Mat = C45**

**Max T/m = 50**

**$\alpha = 30^\circ$**



## ACCESSORIO PIEGASCHIACCIA FLATTENING HEMMING TOOLS ACCESSORY



**FORATURA MATRICI NON COMPRESA,  
PER UN PRVENTIVO FARE RIFERIMENTO  
AL CODICE 8108.**  
*PERFORATION OF DIES NOT INCLUDED,  
FOR A SUMMARY PLEASE REFER  
TO CODE 8108.*

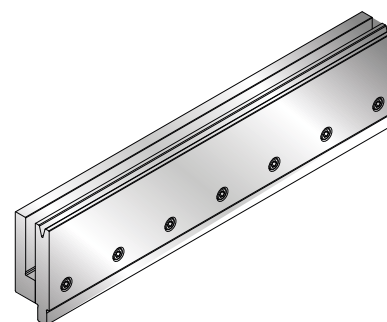
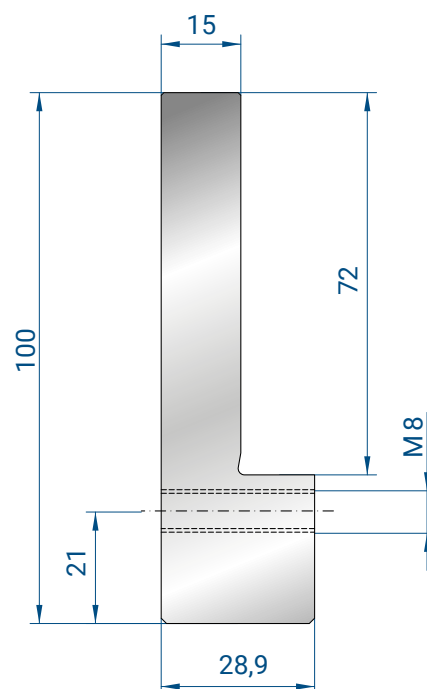
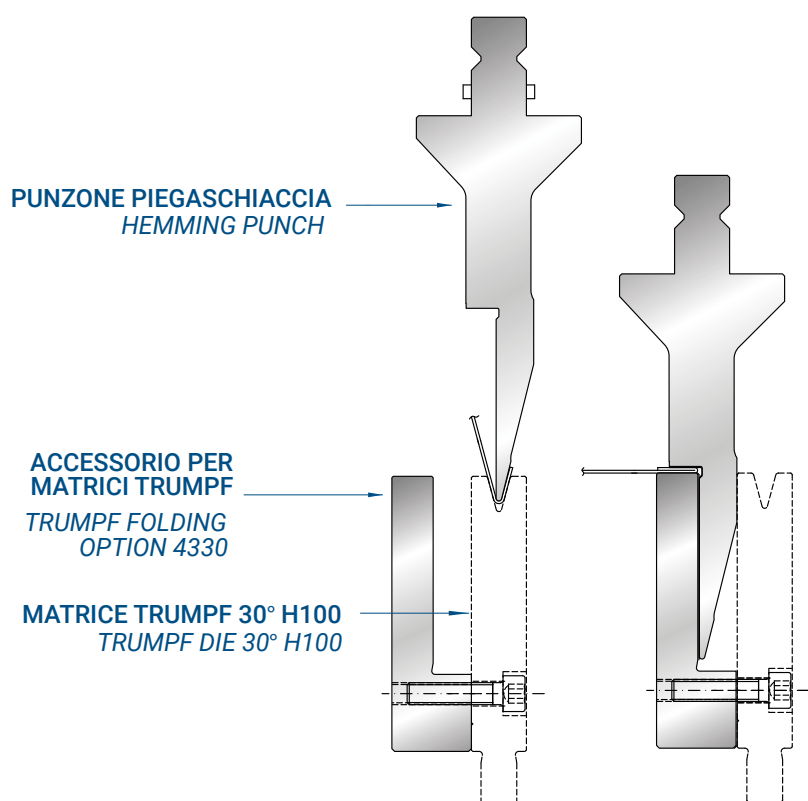
|                        |         |
|------------------------|---------|
| 500 mm                 | 13,0 kg |
| 300 mm                 | 7,8 kg  |
| 200 mm                 | 5,2 kg  |
| 100 mm                 | 2,6 kg  |
| 550 mm<br>FRAZ. /SECT. | 13,0 kg |
| 50 mm                  | 1,0 kg  |
| 45 mm                  | 1,0 kg  |
| 40 mm                  | 1,0 kg  |
| 35 mm                  | 1,0 kg  |
| 30 mm                  | 1,0 kg  |
| 25 mm                  | 1,0 kg  |

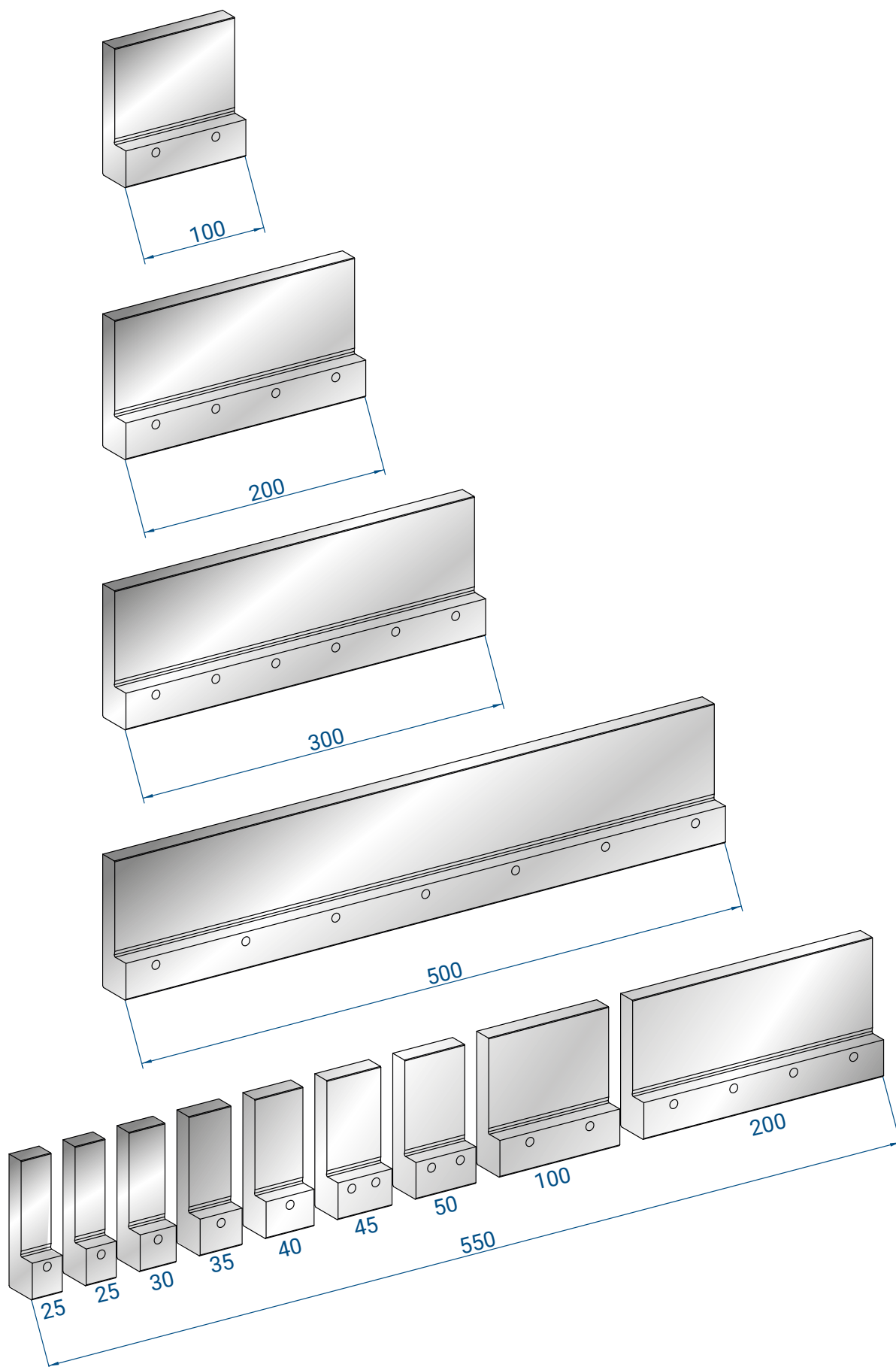
### 4330

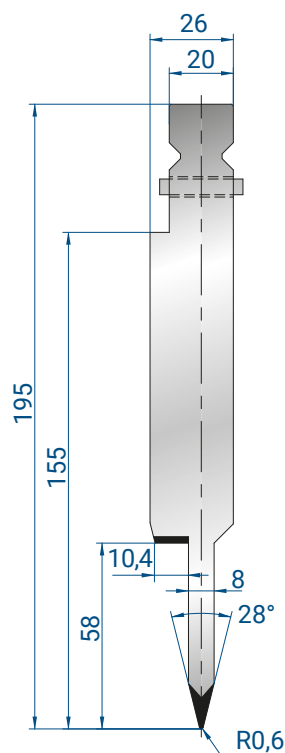
**Mat = C45**

**Max T/m = 40**

**$\alpha = 30^\circ$**







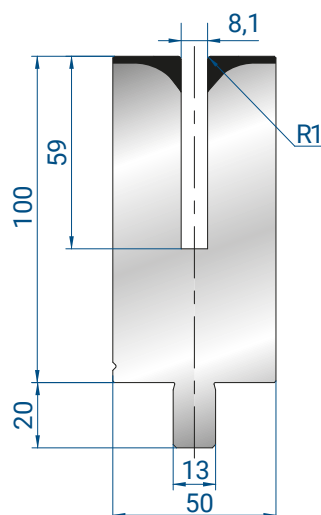
## 1249

**Mat** = C45  
bonificato / *tempered*  
**Max T/m** = 80

|                        |         |
|------------------------|---------|
| 500 mm                 | 14,3 kg |
| 550 mm<br>FRAZ. /SECT. | 14,0 kg |

### Spessore / *Thickness*

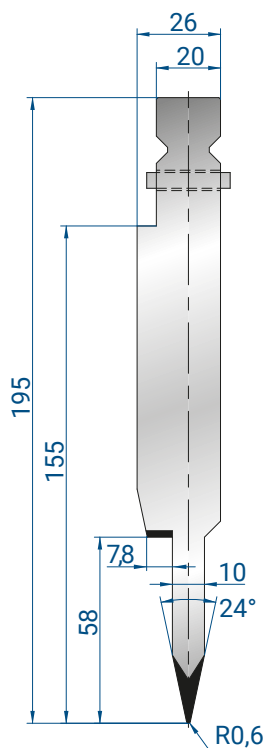
Max 1,2 mm  
Ferro / *Mild steel*



## 3157

**Mat** = C45  
bonificato / *tempered*  
**Max T/m** = 50

|                        |         |
|------------------------|---------|
| 500 mm                 | 18,7 kg |
| 550 mm<br>FRAZ. /SECT. | 20,6 kg |
| 100 mm                 | 3,7 kg  |



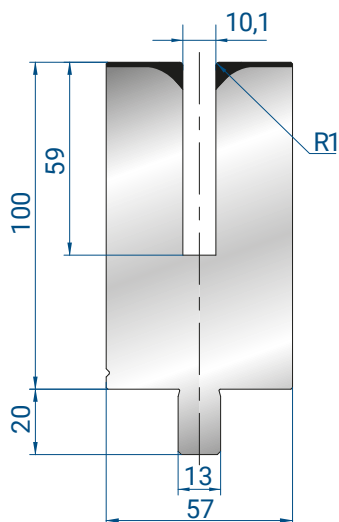
## 1250

**Mat** = C45  
bonificato / *tempered*  
**Max T/m** = 50

|                        |         |
|------------------------|---------|
| 500 mm                 | 14,6 kg |
| 550 mm<br>FRAZ. /SECT. | 14,3 kg |

### Spessore / *Thickness*

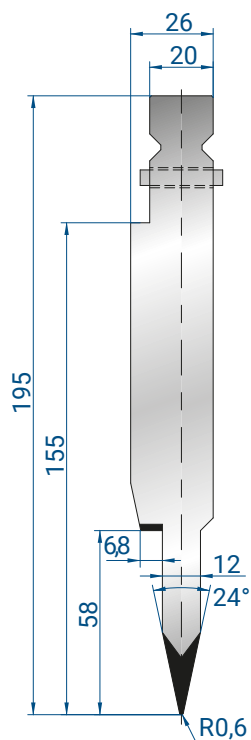
Max 1,5 mm  
Ferro / *Mild steel*



## 3174

**Mat** = C45  
bonificato / *tempered*  
**Max T/m** = 50

|                        |         |
|------------------------|---------|
| 500 mm                 | 21,0 kg |
| 550 mm<br>FRAZ. /SECT. | 23,1 kg |
| 100 mm                 | 4,2 kg  |



## 1251

**Mat** = C45

*bonificato / tempered*

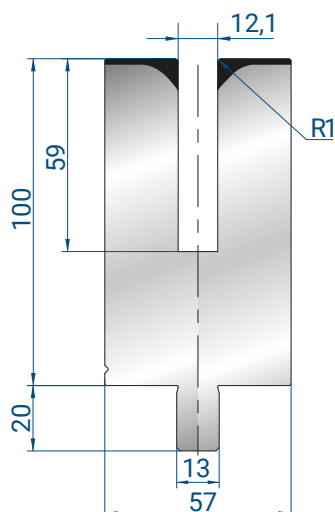
**Max T/m** = 50

|                        |         |
|------------------------|---------|
| 500 mm                 | 14,9 kg |
| 550 mm<br>FRAZ. /SECT. | 14,6 kg |

### Spessore / Thickness

Max 1,5 mm

Ferro / Mild steel



## 3175

**Mat** = C45

*bonificato / tempered*

**Max T/m** = 50

|                        |         |
|------------------------|---------|
| 500 mm                 | 20,5 kg |
| 550 mm<br>FRAZ. /SECT. | 22,6 kg |
| 100 mm                 | 4,1 kg  |



# WILA STYLE

**Gli utensili superiori e inferiori elencati in questa sezione possono essere installati sulle piegatrici:**

Trumpf, LVD , Darley, RPC Piegatrici,  
Safan e su altre piegatrici  
equipaggiate con Sistema NSCL.

Questi utensili possono essere installati anche su  
altre piegatrici tramite adattatori superiori e inferiori.

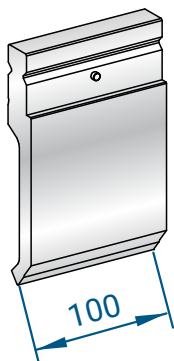
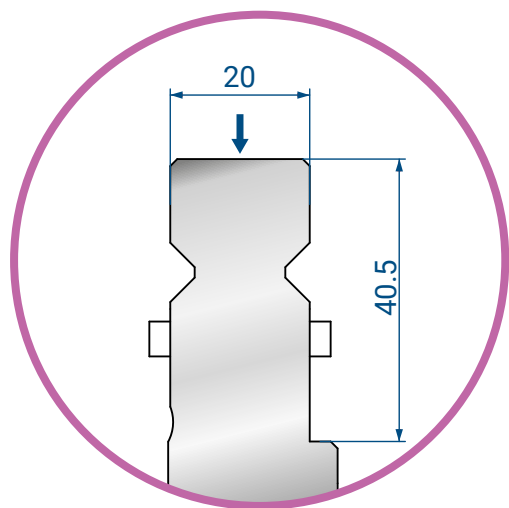
***The upper and lower tooling listed in this section  
could be installed on the following press brakes:***

*Trumpf, Darley, RPC Piegatrici,  
Safan, and other press brakes  
equipped with Wila style clamping system.*

*They could even be installed on press brakes  
equipped with different clamping system by choosing  
the appropriate upper and lower adapters.*

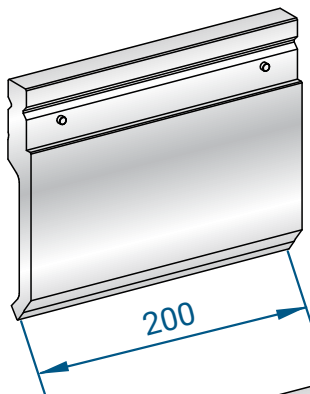


VEDI PAG. 158 PER SCHEMA FRAZIONATURA MATRICI  
SEE PAGE 158 FOR DIE SEGMENTATION DIAGRAM

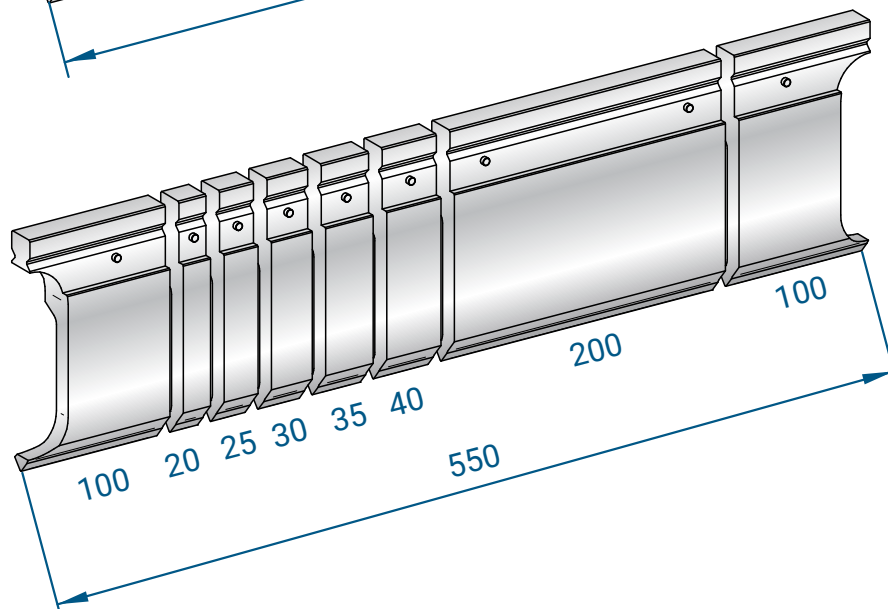
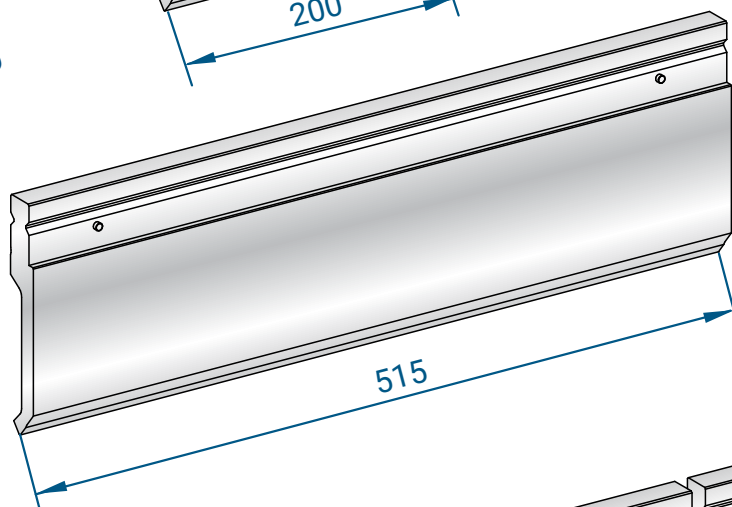


IL PULSANTE DI SICUREZZA VIENE MONTATO STANDARD SU TUTTI GLI UTENSILI CON PESO FINO A 12,5 KG

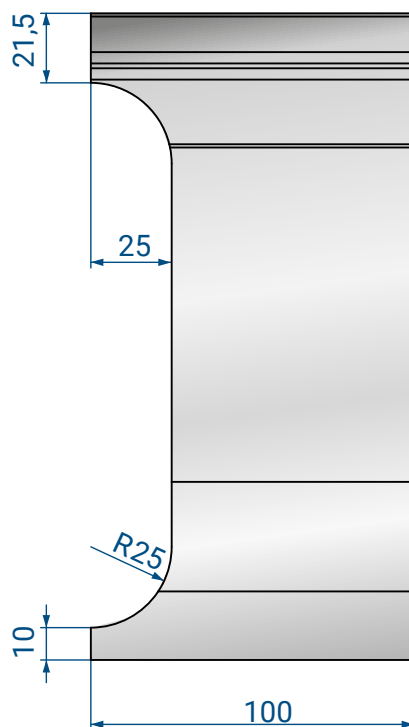
THE SAFETY BUTTON IS A STANDARD SUPPLY ON ALL TOOLING UP TO 12.5 KG WEIGH



LUNGHEZZE STANDARD  
STANDARD LENGTHS

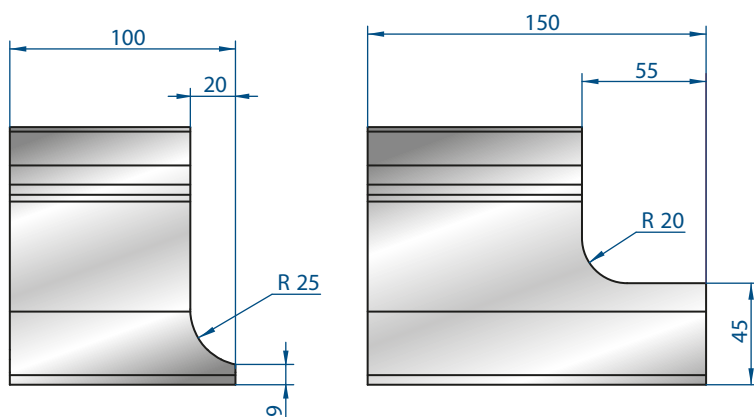


**FRESATURA SCARPETTA**  
**MILLED HORN**



**MODIFICHE A RICHIESTA / MODIFICATIONS ON REQUEST**

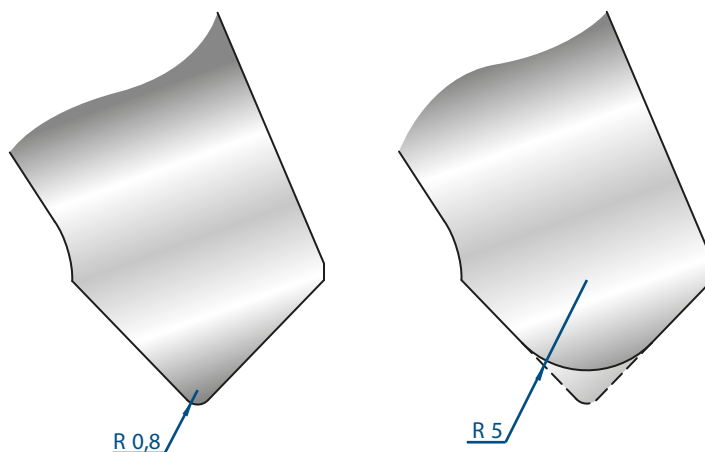
**SCARPETTE SPECIALI**  
**SPECIAL HORNS**

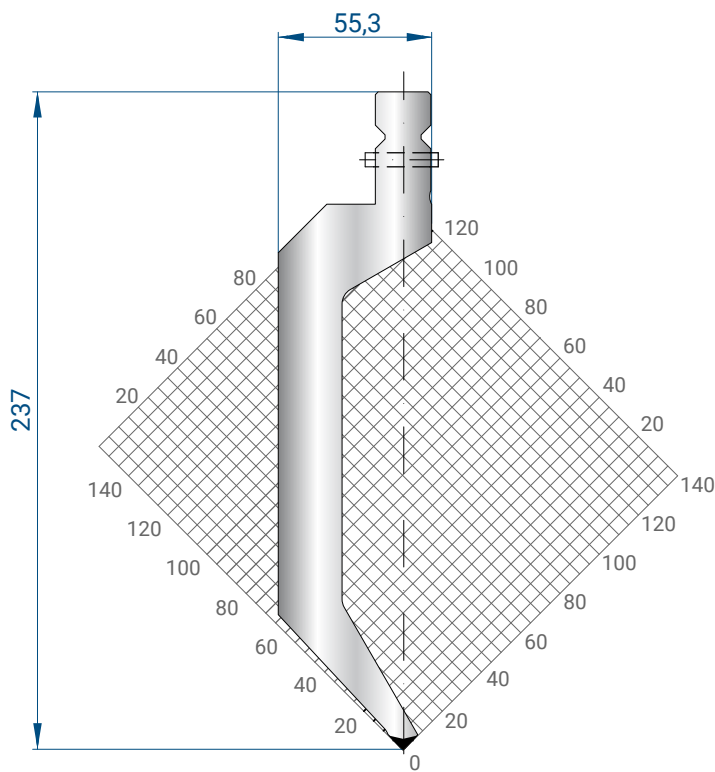


**TAGLI A RICHIESTA**  
**SPECIAL SEGMENTATION**



**MODIFICA RAGGIO**  
**RADIUS MODIFICATION**

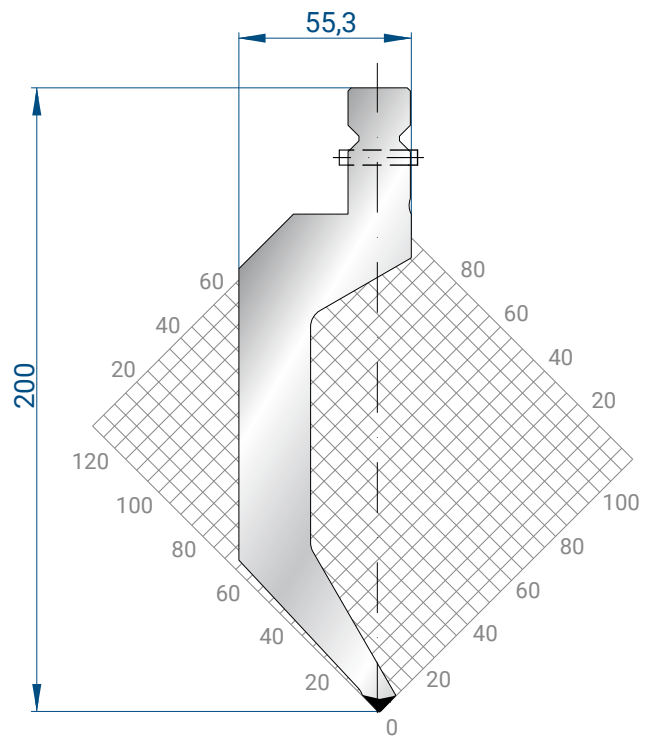




### 1324

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 237.00  
**Max T/m** = 65  
 **$\alpha$**  = 86°  
**R** = 1

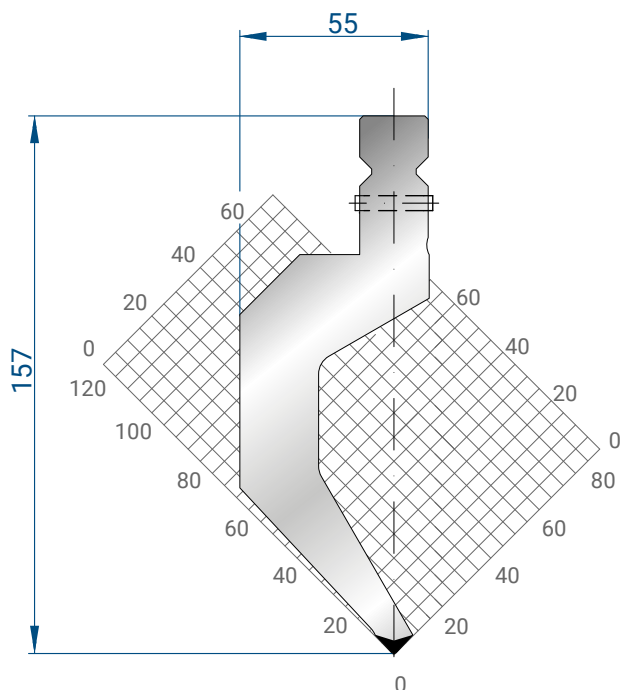
|                         |         |
|-------------------------|---------|
| 515 mm                  | 22,5 kg |
| 200 mm                  | 8,7 kg  |
| 100 mm                  | 4,4 kg  |
| 550 mm<br>FRAZ. / SECT. | 22,3 kg |



### 1323

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 200.00  
**Max T/m** = 65  
 **$\alpha$**  = 86°  
**R** = 1

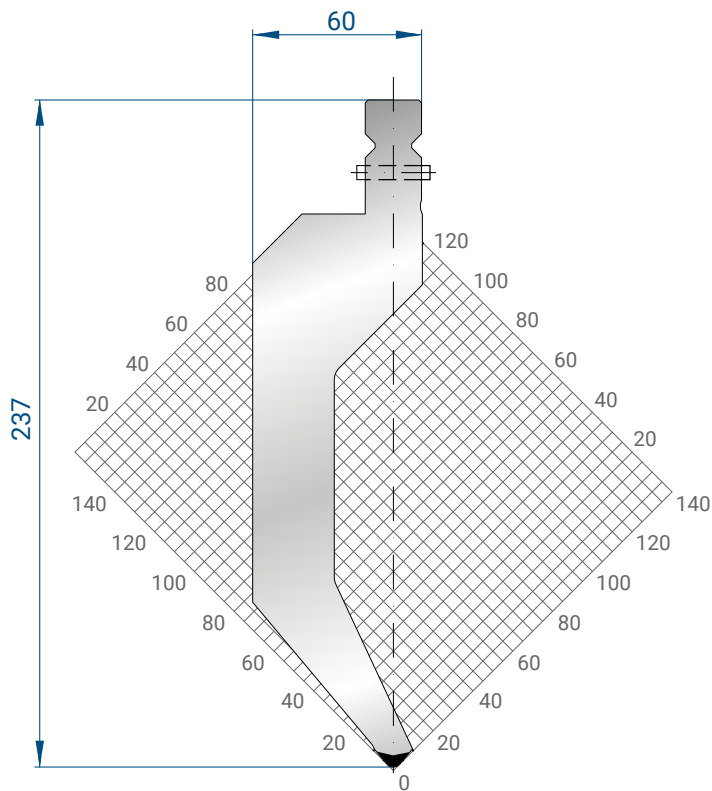
|                         |         |
|-------------------------|---------|
| 515 mm                  | 19,1 kg |
| 200 mm                  | 7,4 kg  |
| 100 mm                  | 3,7 kg  |
| 550 mm<br>FRAZ. / SECT. | 19,0 kg |



### 1328

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 157.00  
**Max T/m** = 70  
 **$\alpha$**  = 86°  
**R** = 1

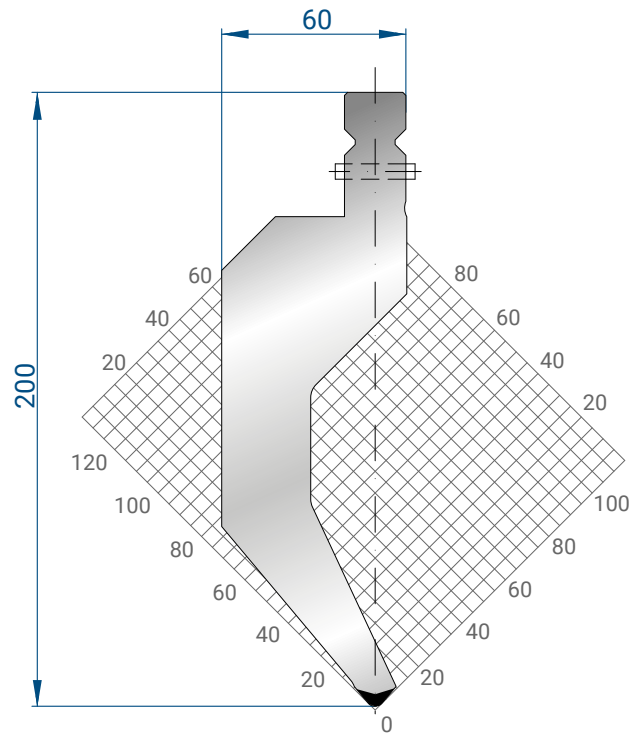
|                         |         |
|-------------------------|---------|
| 515 mm                  | 15,0 kg |
| 200 mm                  | 5,8 kg  |
| 100 mm                  | 2,9 kg  |
| 550 mm<br>FRAZ. / SECT. | 14,9 kg |



### 1333

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 237.00  
**Max T/m** = 100  
 **$\alpha$**  = 80°  
**R** = 3

|                         |         |
|-------------------------|---------|
| 515 mm                  | 28,9 kg |
| 200 mm                  | 11,2 kg |
| 100 mm                  | 5,6 kg  |
| 550 mm<br>FRAZ. / SECT. | 28,4 kg |

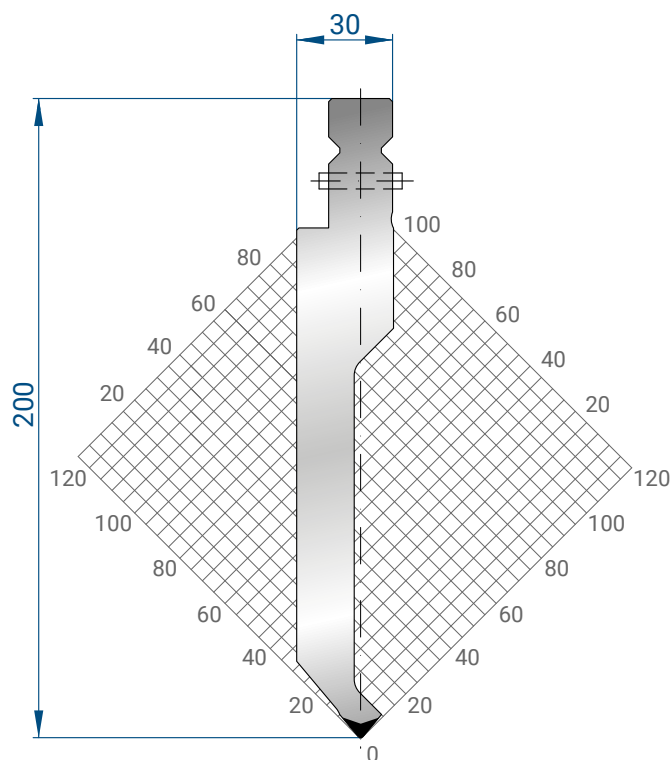


### 1332

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 200.00  
**Max T/m** = 100  
 **$\alpha$**  = 80°  
**R** = 3

|                         |         |
|-------------------------|---------|
| 515 mm                  | 24,6 kg |
| 200 mm                  | 9,6 kg  |
| 100 mm                  | 4,8 kg  |
| 550 mm<br>FRAZ. / SECT. | 24,1 kg |

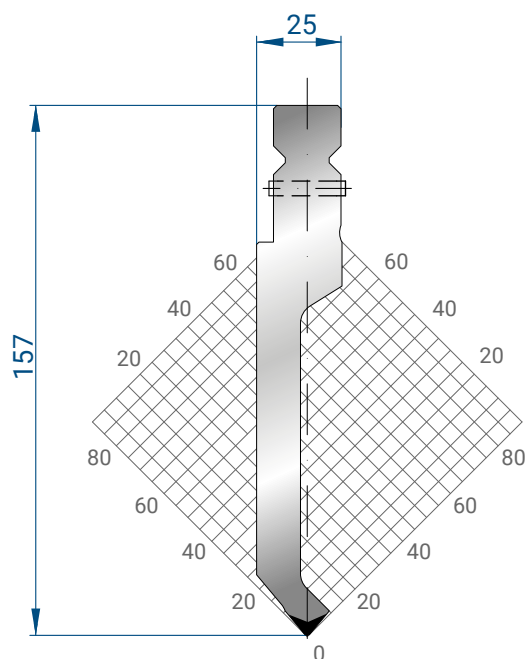




## 1330

**Mat** = 42 CrMo4  
 bonificato / *tempered*  
**H** = 200.00  
**Max T/m** = 80  
 $\alpha$  = 80°  
**R** = 1

|                         |         |
|-------------------------|---------|
| 515 mm                  | 16,0 kg |
| 200 mm                  | 6,2 kg  |
| 100 mm                  | 3,1 kg  |
| 550 mm<br>FRAZ. / SECT. | 15,8 kg |

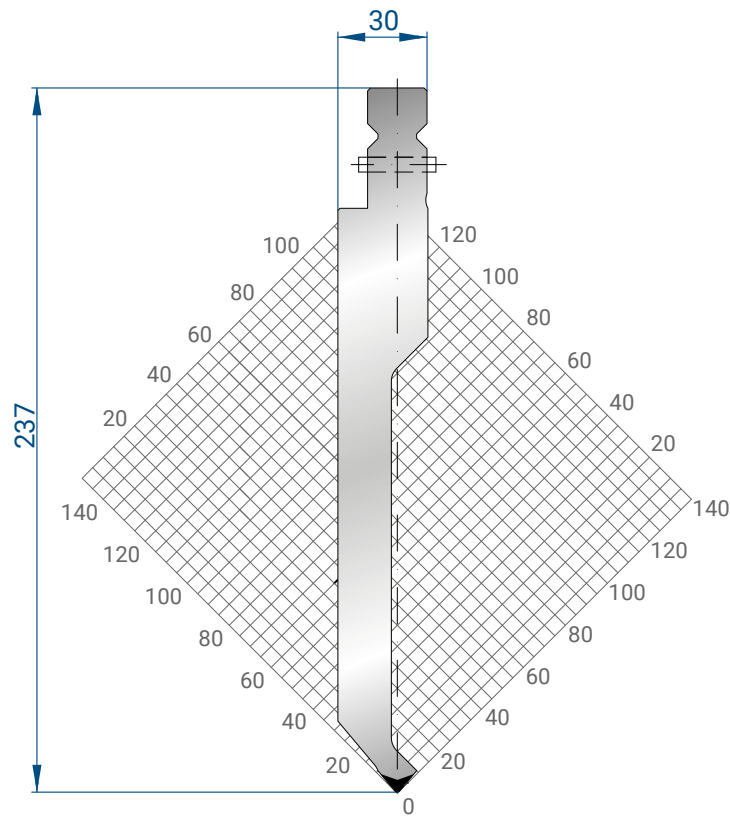


## 1329

**Mat** = 42 CrMo4  
 bonificato / *tempered*  
**H** = 157.00  
**Max T/m** = 100  
 $\alpha$  = 80°  
**R** = 1

|                         |        |
|-------------------------|--------|
| 515 mm                  | 9,9 kg |
| 200 mm                  | 3,8 kg |
| 100 mm                  | 1,9 kg |
| 550 mm<br>FRAZ. / SECT. | 9,8 kg |



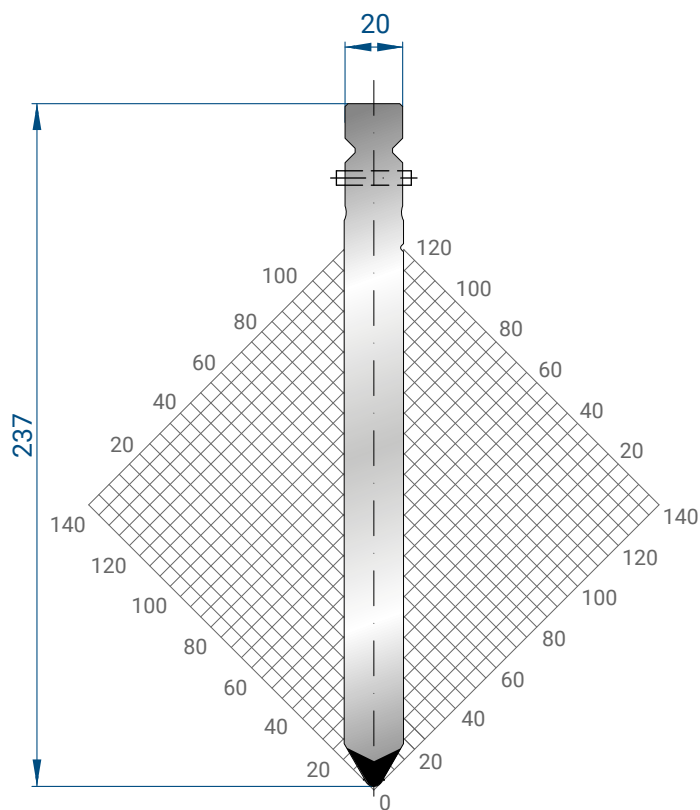


## 1331

**Mat** = 42 CrMo4  
 bonificato / *tempered*  
**H** = 237.00  
**Max T/m** = 80  
 $\alpha$  = 80°  
 R = 1

|                         |         |
|-------------------------|---------|
| 515 mm                  | 19,3 kg |
| 200 mm                  | 7,5 kg  |
| 100 mm                  | 3,7 kg  |
| 550 mm<br>FRAZ. / SECT. | 17,6 kg |

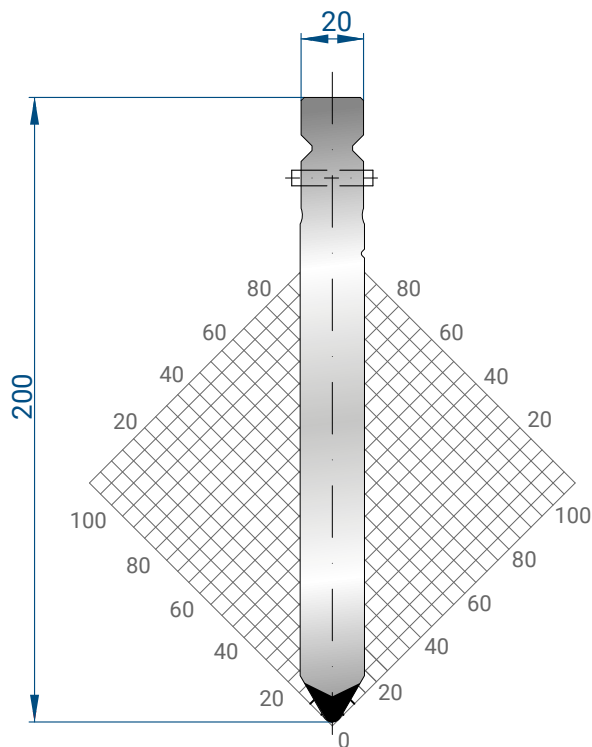




### 1336

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 237.00  
**Max T/m** = 160  
 **$\alpha$**  = 60°  
**R** = 3

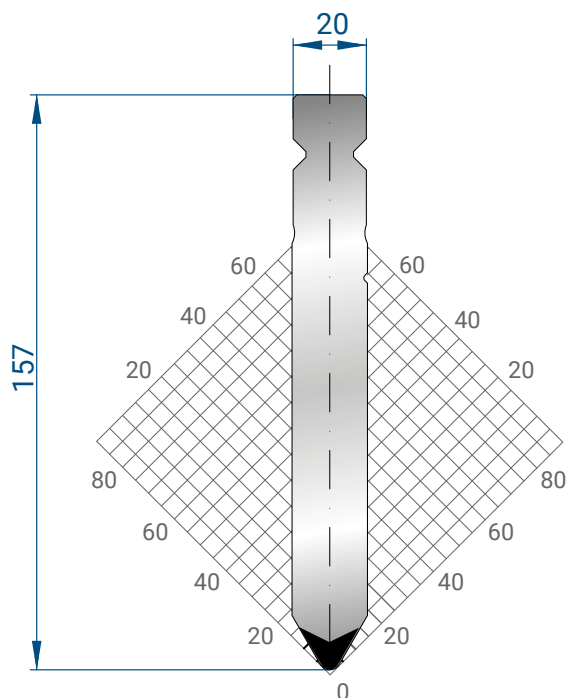
|                         |         |
|-------------------------|---------|
| 515 mm                  | 19,0 kg |
| 200 mm                  | 7,4 kg  |
| 100 mm                  | 3,7 kg  |
| 550 mm<br>FRAZ. / SECT. | 18,7 kg |



### 1335

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 200.00  
**Max T/m** = 160  
 **$\alpha$**  = 60°  
**R** = 3

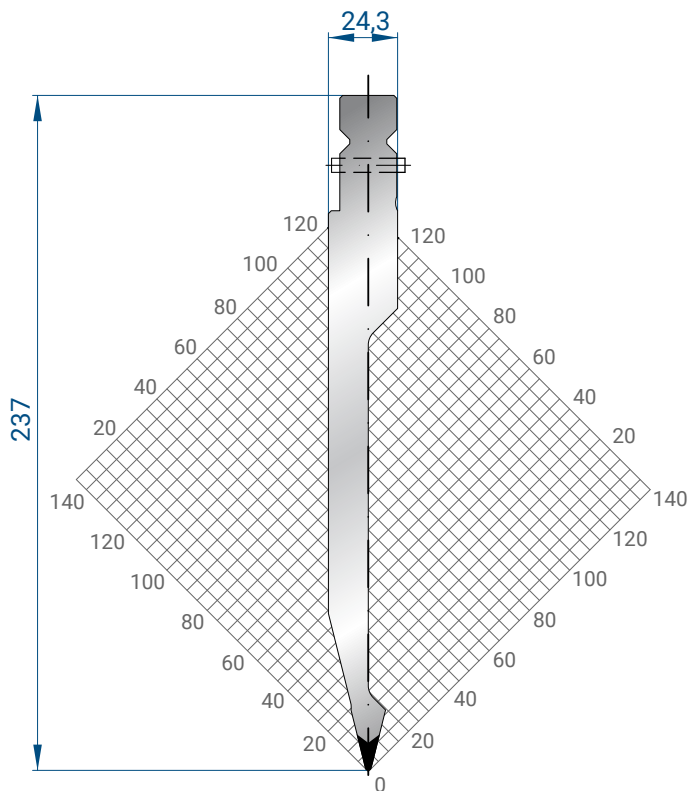
|                         |         |
|-------------------------|---------|
| 515 mm                  | 15,9 kg |
| 200 mm                  | 6,2 kg  |
| 100 mm                  | 3,1 kg  |
| 550 mm<br>FRAZ. / SECT. | 15,7 kg |



### 1334

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 157.00  
**Max T/m** = 160  
 **$\alpha$**  = 60°  
**R** = 3

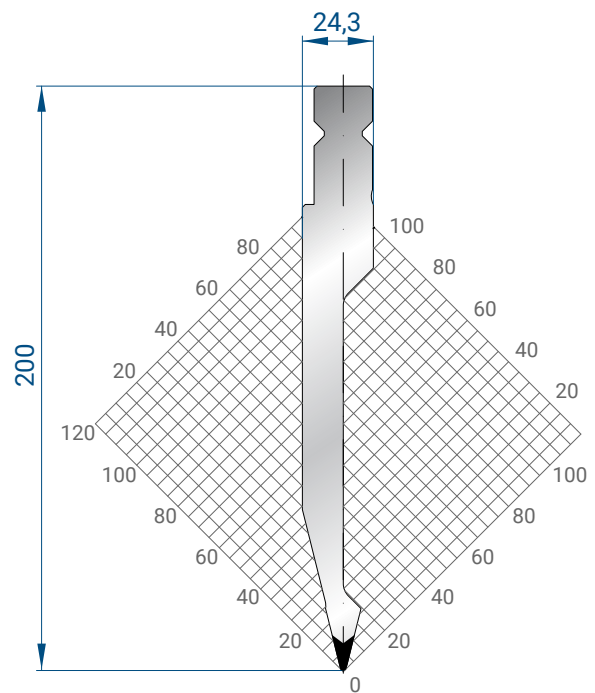
|                         |         |
|-------------------------|---------|
| 515 mm                  | 12,3 kg |
| 200 mm                  | 4,8 kg  |
| 100 mm                  | 2,4 kg  |
| 550 mm<br>FRAZ. / SECT. | 12,2 kg |



## 1327

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 237.00  
**Max T/m** = 80  
 **$\alpha$**  = 28°  
**R** = 1

|                         |         |
|-------------------------|---------|
| 515 mm                  | 14,7 kg |
| 200 mm                  | 5,7 kg  |
| 100 mm                  | 2,85 kg |
| 550 mm<br>FRAZ. / SECT. | 14,7 kg |

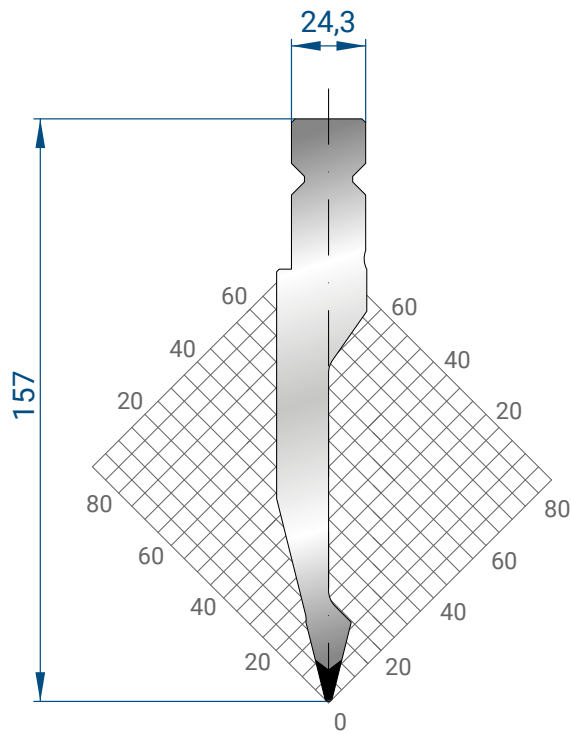


## 1326

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 200.00  
**Max T/m** = 80  
 **$\alpha$**  = 28°  
**R** = 1

|                         |         |
|-------------------------|---------|
| 515 mm                  | 12,1 kg |
| 200 mm                  | 4,8 kg  |
| 100 mm                  | 2,4 kg  |
| 550 mm<br>FRAZ. / SECT. | 12,1 kg |

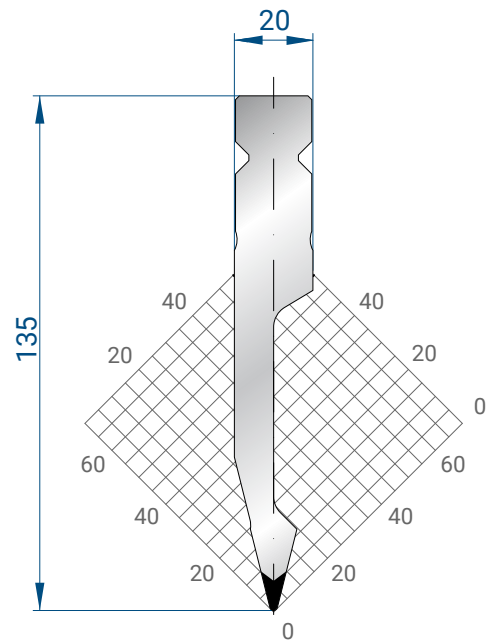




### 1337

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 157.00  
**Max T/m** = 100  
 **$\alpha$**  = 28°  
**R** = 1

|                         |        |
|-------------------------|--------|
| 515 mm                  | 9,4 kg |
| 200 mm                  | 3,7 kg |
| 100 mm                  | 1,8 kg |
| 550 mm<br>FRAZ. / SECT. | 9,4 kg |



### 1325

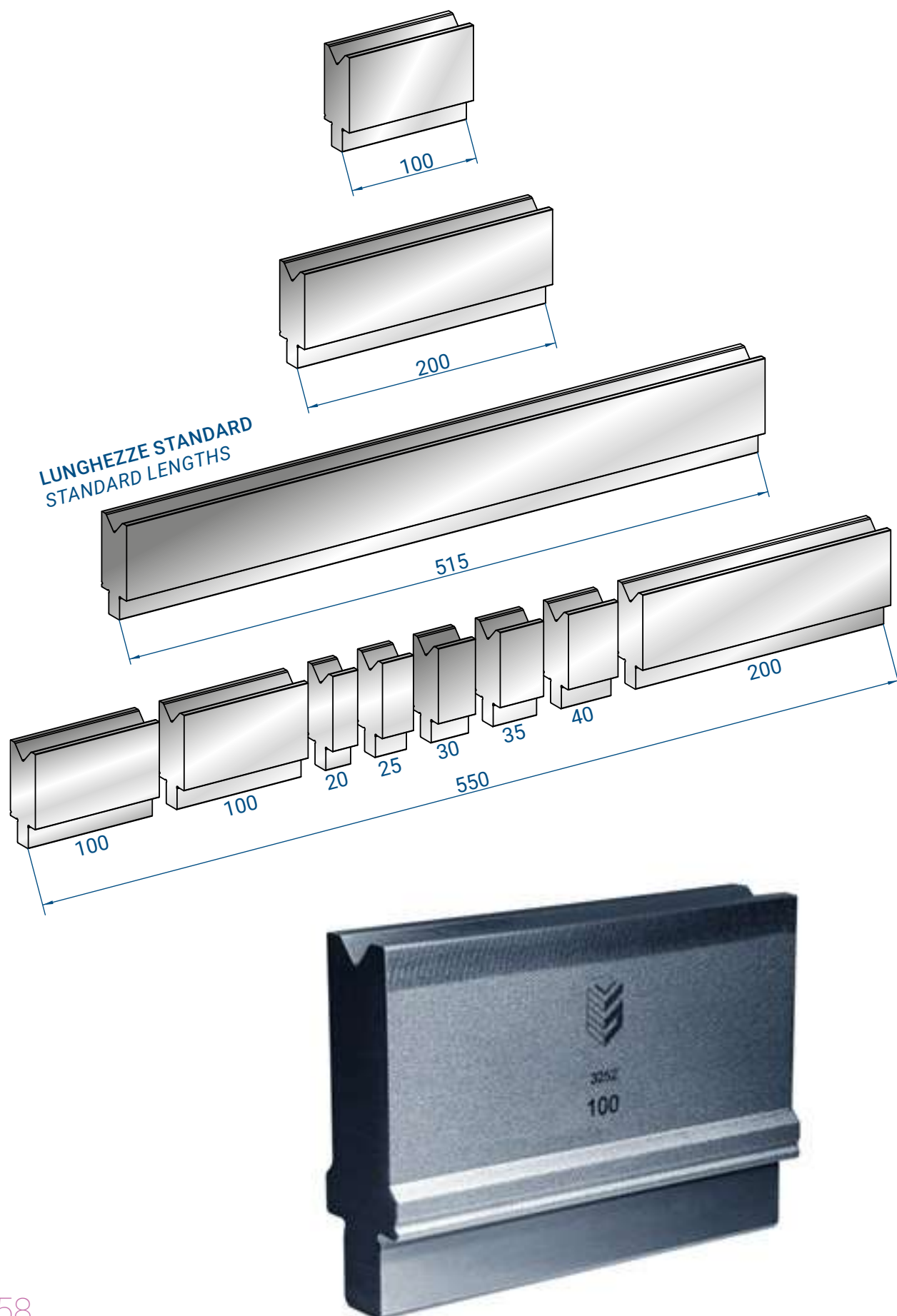
**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 135.00  
**Max T/m** = 100  
 **$\alpha$**  = 28°  
**R** = 1

|                         |        |
|-------------------------|--------|
| 515 mm                  | 7,2 kg |
| 200 mm                  | 2,8 kg |
| 100 mm                  | 1,4 kg |
| 550 mm<br>FRAZ. / SECT. | 7,3 kg |

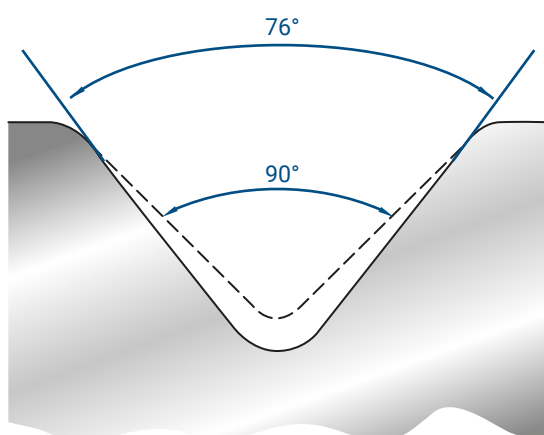




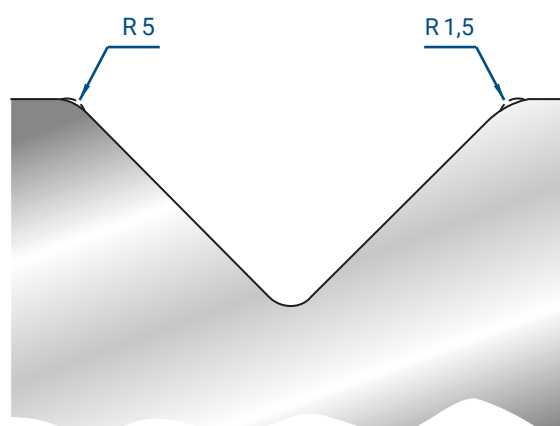
VEDI PAG. 148 PER SCHEMA FRAZIONATURA PUNZONI  
SEE PAGE 148 FOR PUNCHES SEGMENTATION DIAGRAM



MODIFICHE A RICHIESTA  
MODIFICATIONS ON REQUEST

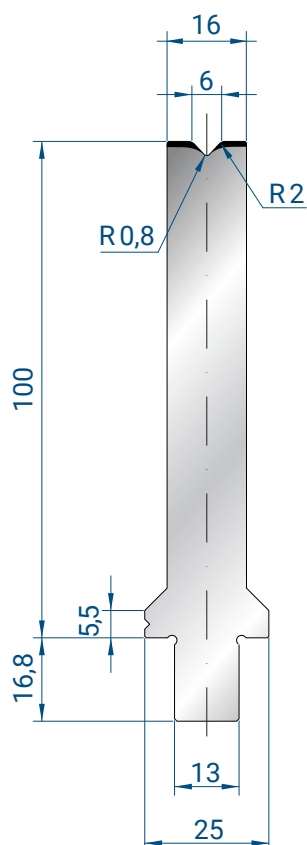


**MODIFICA ANGOLO**  
ANGLE MODIFICATION



**MODIFICA RAGGIO**  
RADIUS MODIFICATION

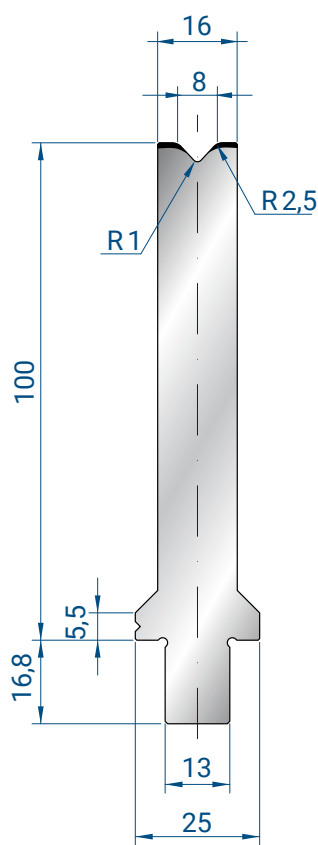




**3270**

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 100.00  
**Max T/m** = 120  
 **$\alpha$**  = 86°

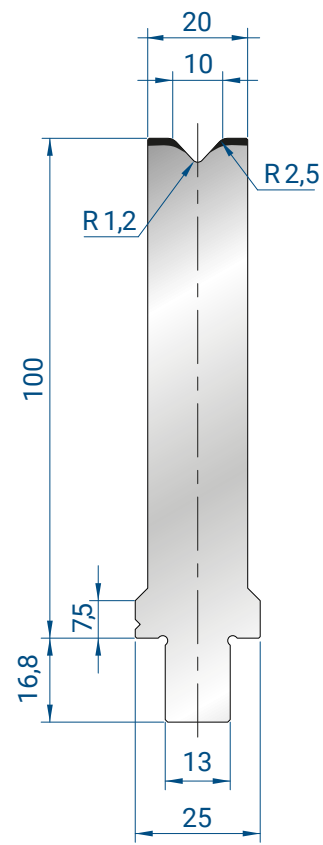
|              |        |
|--------------|--------|
| 515 mm       | 7,6 kg |
| 200 mm       | 3,0 kg |
| 100 mm       | 1,5 kg |
| 550 mm       | 8,1 kg |
| FRAZ. / SECT |        |



**3271**

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 100.00  
**Max T/m** = 120  
 **$\alpha$**  = 86°

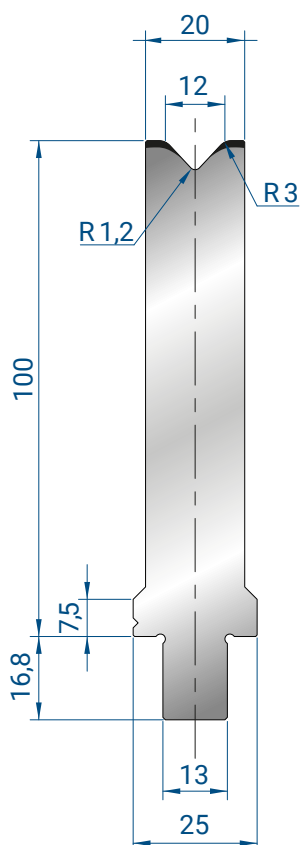
|              |        |
|--------------|--------|
| 515 mm       | 7,6 kg |
| 200 mm       | 3,0 kg |
| 100 mm       | 1,5 kg |
| 550 mm       | 8,1 kg |
| FRAZ. / SECT |        |



**3272**

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 100.00  
**Max T/m** = 120  
 **$\alpha$**  = 86°

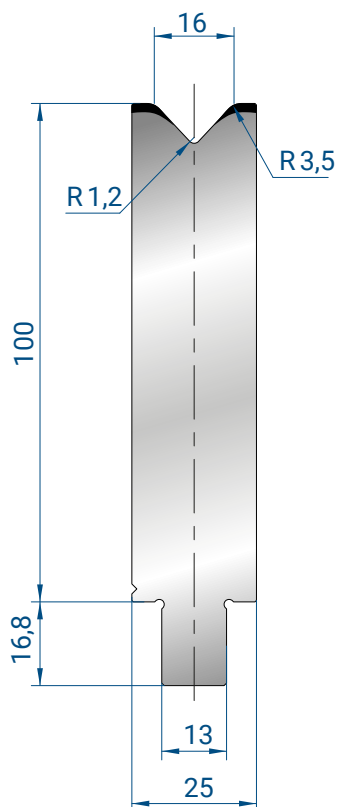
|              |        |
|--------------|--------|
| 515 mm       | 7,6 kg |
| 200 mm       | 3,0 kg |
| 100 mm       | 1,5 kg |
| 550 mm       | 8,1 kg |
| FRAZ. / SECT |        |



## 3273

**Mat** = 42 CrMo4  
bonificato / tempered  
**H** = 100.00  
**Max T/m** = 120  
 **$\alpha$**  = 86°

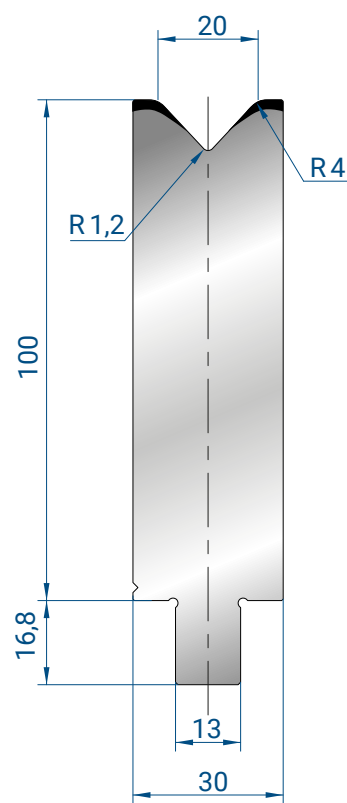
|              |        |
|--------------|--------|
| 515 mm       | 9,0 kg |
| 200 mm       | 3,6 kg |
| 100 mm       | 1,8 kg |
| 550 mm       | 9,6 kg |
| FRAZ. / SECT |        |



## 3274

**Mat** = 42 CrMo4  
bonificato / tempered  
**H** = 100.00  
**Max T/m** = 120  
 **$\alpha$**  = 86°

|              |         |
|--------------|---------|
| 515 mm       | 10,7 kg |
| 200 mm       | 4,2 kg  |
| 100 mm       | 2,1 kg  |
| 550 mm       | 11,4 kg |
| FRAZ. / SECT |         |

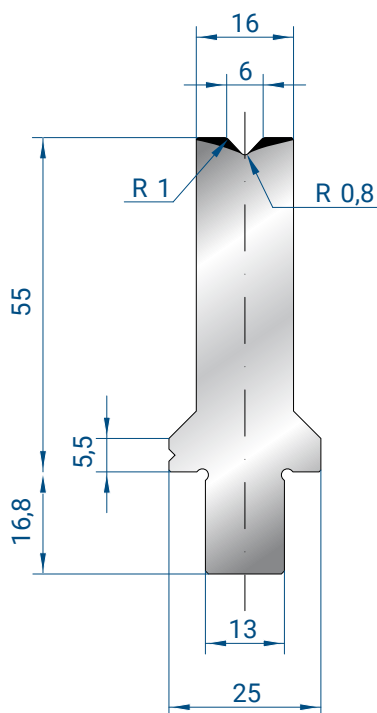


## 3275

**Mat** = 42 CrMo4  
bonificato / tempered  
**H** = 100.00  
**Max T/m** = 120  
 **$\alpha$**  = 86°

|              |         |
|--------------|---------|
| 515 mm       | 12,6 kg |
| 200 mm       | 4,8 kg  |
| 100 mm       | 2,4 kg  |
| 550 mm       | 13,4 kg |
| FRAZ. / SECT |         |

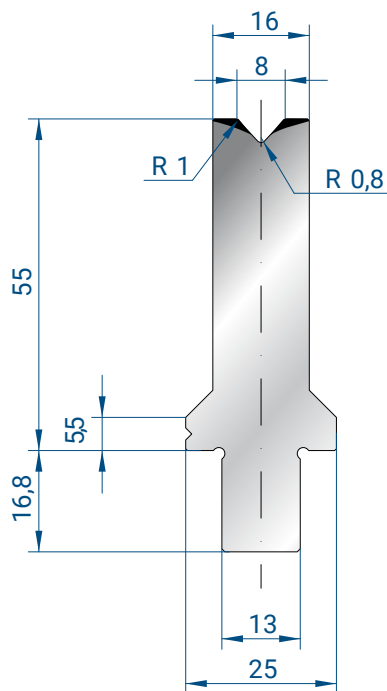




### 3250

**Mat** = 42 CrMo4  
bonificato / tempered  
**H** = 55.00  
**Max T/m** = 120  
**α** = 86°

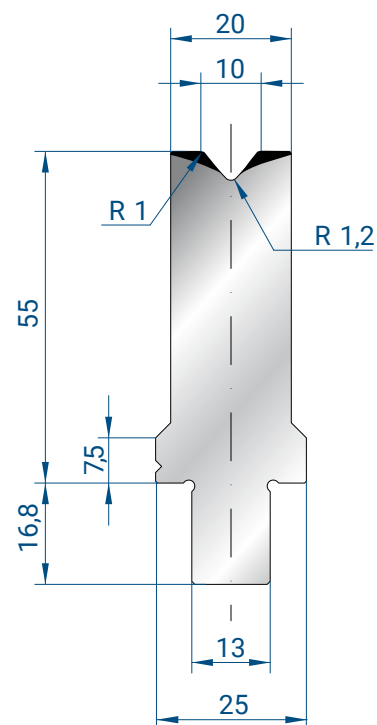
|              |        |
|--------------|--------|
| 515 mm       | 4,7 kg |
| 200 mm       | 1,8 kg |
| 100 mm       | 0,9 kg |
| 550 mm       | 5,0 kg |
| FRAZ. / SECT |        |



### 3251

**Mat** = 42 CrMo4  
bonificato / tempered  
**H** = 55.00  
**Max T/m** = 120  
**α** = 86°

|              |        |
|--------------|--------|
| 515 mm       | 4,6 kg |
| 200 mm       | 1,8 kg |
| 100 mm       | 0,9 kg |
| 550 mm       | 4,9 kg |
| FRAZ. / SECT |        |

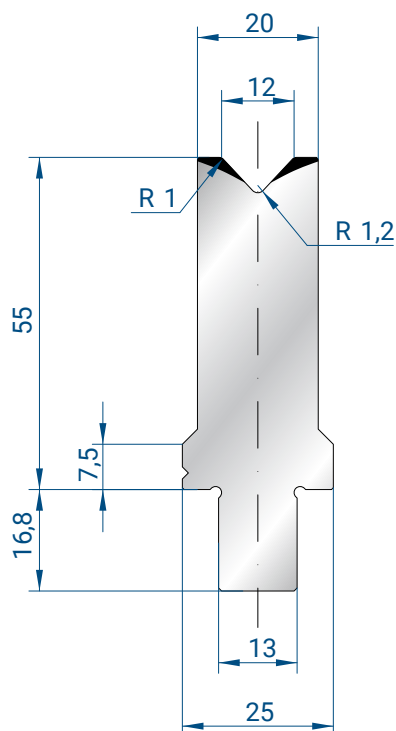


### 3252

**Mat** = 42 CrMo4  
bonificato / tempered  
**H** = 55.00  
**Max T/m** = 120  
**α** = 86°

|              |        |
|--------------|--------|
| 515 mm       | 5,4 kg |
| 200 mm       | 2,0 kg |
| 100 mm       | 1,0 kg |
| 550 mm       | 5,7 kg |
| FRAZ. / SECT |        |

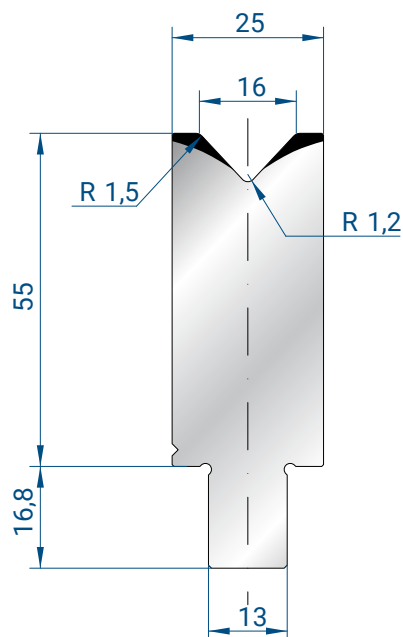




### 3253

**Mat** = 42 CrMo4  
bonificato / tempered  
**H** = 55.00  
**Max T/m** = 120  
**α** = 86°

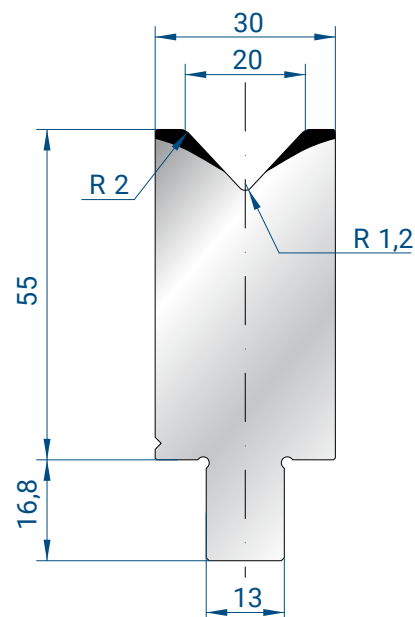
|              |        |
|--------------|--------|
| 515 mm       | 5,3 kg |
| 200 mm       | 2,0 kg |
| 100 mm       | 1,0 kg |
| 550 mm       | 5,7 kg |
| FRAZ. / SECT |        |



### 3254

**Mat** = 42 CrMo4  
bonificato / tempered  
**H** = 55.00  
**Max T/m** = 120  
**α** = 86°

|              |        |
|--------------|--------|
| 515 mm       | 6,1 kg |
| 200 mm       | 2,4 kg |
| 100 mm       | 1,2 kg |
| 550 mm       | 6,6 kg |
| FRAZ. / SECT |        |

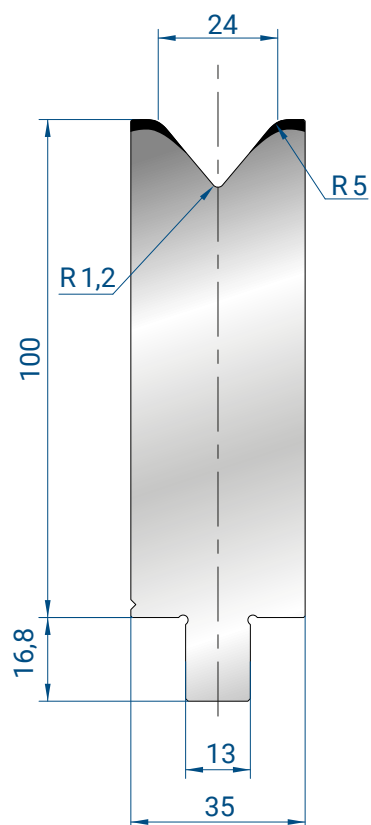


### 3255

**Mat** = 42 CrMo4  
bonificato / tempered  
**H** = 55.00  
**Max T/m** = 120  
**α** = 86°

|              |         |
|--------------|---------|
| 515 mm       | 7,1 kg  |
| 200 mm       | 2,75 kg |
| 100 mm       | 1,37 kg |
| 550 mm       | 7,7 kg  |
| FRAZ. / SECT |         |



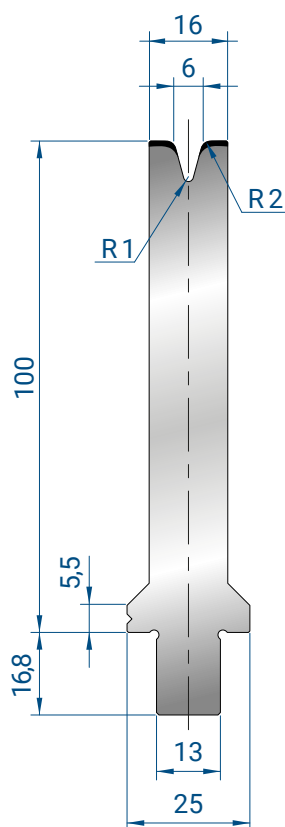


## 3276

**Mat** = 42 CrMo4  
 bonificato / *tempered*  
**H** = 100.00  
**Max T/m** = 125  
**α** = 80°

|              |         |
|--------------|---------|
| 515 mm       | 14,3 kg |
| 200 mm       | 5,6 kg  |
| 100 mm       | 2,8 kg  |
| 550 mm       | 15,3 kg |
| FRAZ. / SECT |         |

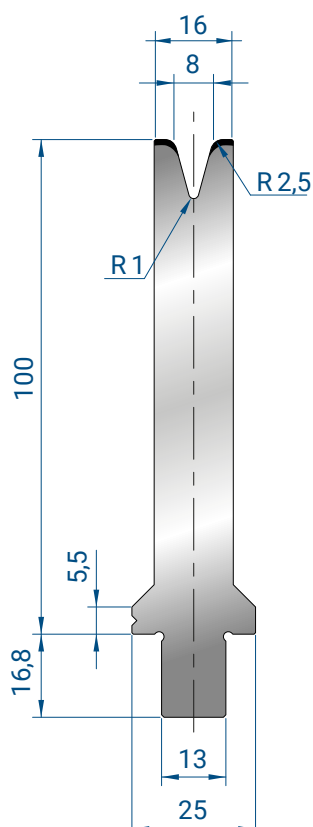




## 3280

**Mat** = 42 CrMo4  
bonificato / tempered  
**H** = 100.00  
**Max T/m** = 40  
**α** = 30°

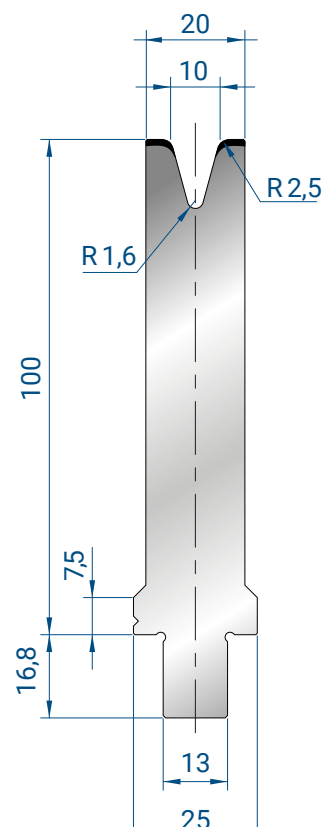
|              |        |
|--------------|--------|
| 515 mm       | 7,5 kg |
| 200 mm       | 2,9 kg |
| 100 mm       | 1,5 kg |
| 550 mm       | 8,0 kg |
| FRAZ. / SECT |        |



## 3281

**Mat** = 42 CrMo4  
bonificato / tempered  
**H** = 100.00  
**Max T/m** = 35  
**α** = 30°

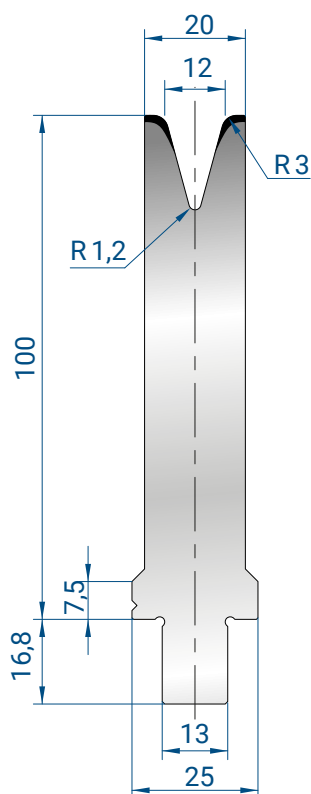
|              |        |
|--------------|--------|
| 515 mm       | 7,4 kg |
| 200 mm       | 2,8 kg |
| 100 mm       | 1,4 kg |
| 550 mm       | 7,9 kg |
| FRAZ. / SECT |        |



## 3282

**Mat** = 42 CrMo4  
bonificato / tempered  
**H** = 100.00  
**Max T/m** = 55  
**α** = 30°

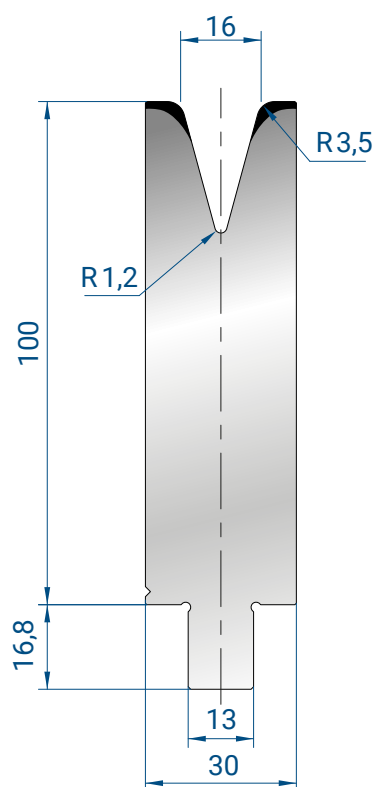
|              |        |
|--------------|--------|
| 515 mm       | 8,8 kg |
| 200 mm       | 3,4 kg |
| 100 mm       | 1,7 kg |
| 550 mm       | 9,4 kg |
| FRAZ. / SECT |        |



### 3283

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 100.00  
**Max T/m** = 40  
 **$\alpha$**  = 30°

|              |        |
|--------------|--------|
| 515 mm       | 8,6 kg |
| 200 mm       | 3,3 kg |
| 100 mm       | 1,7 kg |
| 550 mm       | 9,2 kg |
| FRAZ. / SECT |        |

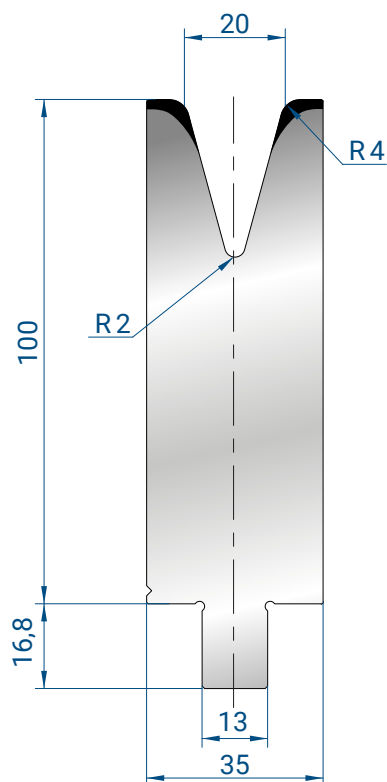


### 3284

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 100.00  
**Max T/m** = 60  
 **$\alpha$**  = 30°

|              |         |
|--------------|---------|
| 515 mm       | 12,0 kg |
| 200 mm       | 4,7 kg  |
| 100 mm       | 2,3 kg  |
| 550 mm       | 12,9 kg |
| FRAZ. / SECT |         |

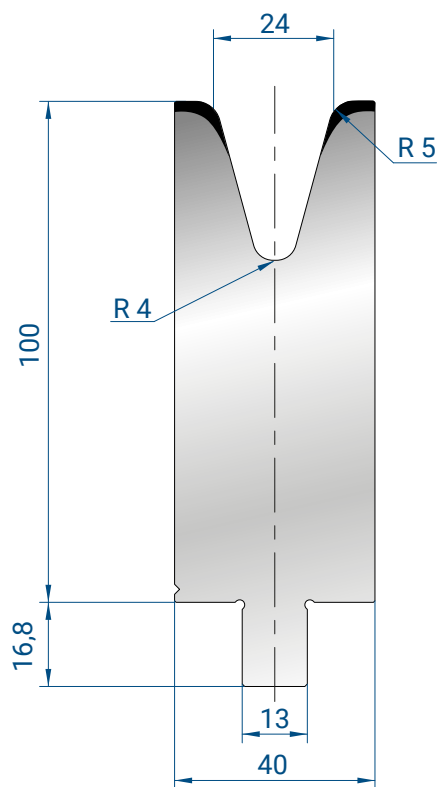




### 3285

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 100.00  
**Max T/m** = 55  
 **$\alpha$**  = 30°

|              |         |
|--------------|---------|
| 515 mm       | 13,6 kg |
| 200 mm       | 5,3 kg  |
| 100 mm       | 2,6 kg  |
| 550 mm       | 14,5 kg |
| FRAZ. / SECT |         |

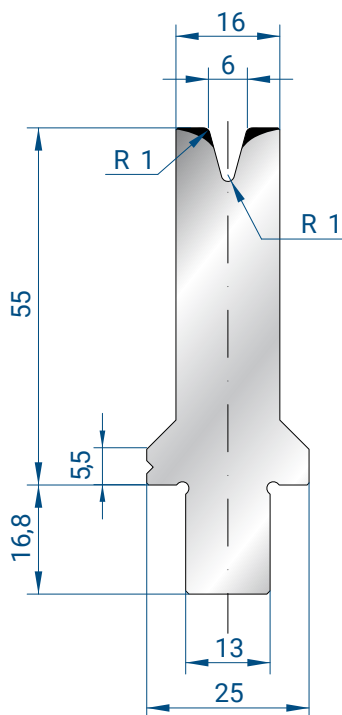


### 3286

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 100.00  
**Max T/m** = 45  
 **$\alpha$**  = 30°

|              |         |
|--------------|---------|
| 515 mm       | 15,1 kg |
| 200 mm       | 5,8 kg  |
| 100 mm       | 2,9 kg  |
| 550 mm       | 16,1 kg |
| FRAZ. / SECT |         |

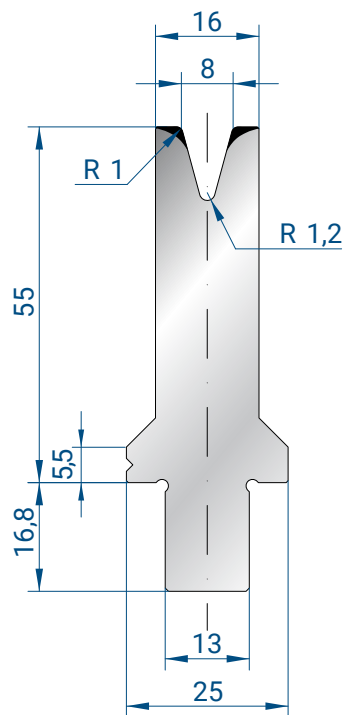




### 3260

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 55.00  
**Max T/m** = 40  
 **$\alpha$**  = 30°

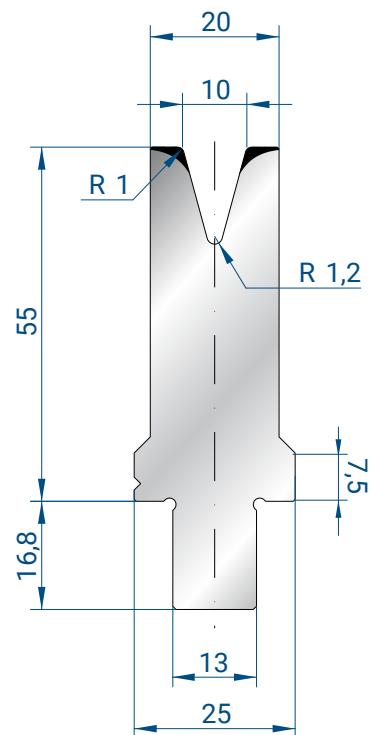
|              |        |
|--------------|--------|
| 515 mm       | 4,6 kg |
| 200 mm       | 1,8 kg |
| 100 mm       | 0,9 kg |
| 550 mm       | 4,9 kg |
| FRAZ. / SECT |        |



### 3261

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 55.00  
**Max T/m** = 35  
 **$\alpha$**  = 30°

|              |        |
|--------------|--------|
| 515 mm       | 4,5 kg |
| 200 mm       | 1,8 kg |
| 100 mm       | 0,9 kg |
| 550 mm       | 4,8 kg |
| FRAZ. / SECT |        |

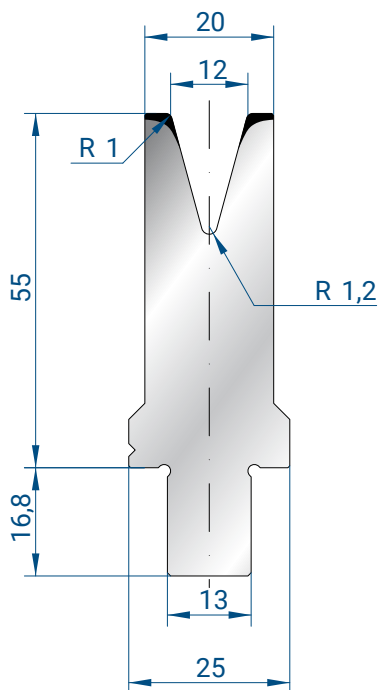


### 3262

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 55.00  
**Max T/m** = 55  
 **$\alpha$**  = 30°

|              |        |
|--------------|--------|
| 515 mm       | 5,1 kg |
| 200 mm       | 2,0 kg |
| 100 mm       | 1,0 kg |
| 550 mm       | 5,5 kg |
| FRAZ. / SECT |        |

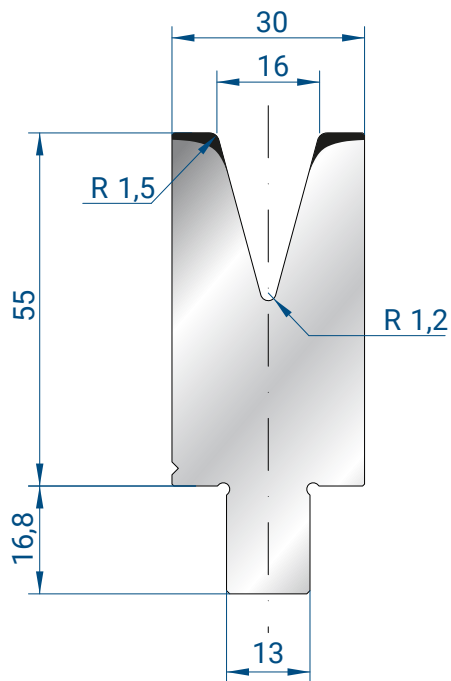




### 3263

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 55.00  
**Max T/m** = 40  
 **$\alpha$**  = 30°

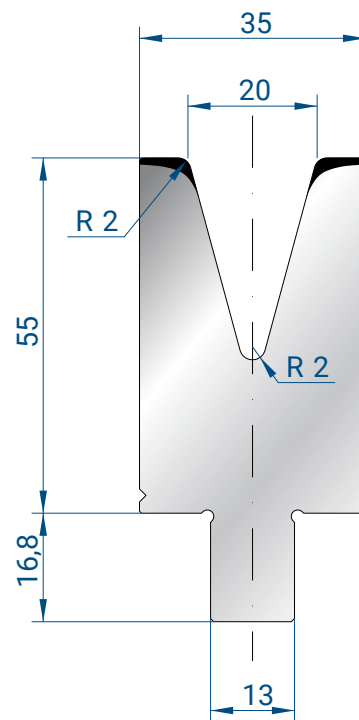
|              |        |
|--------------|--------|
| 515 mm       | 5,0 kg |
| 200 mm       | 2,0 kg |
| 100 mm       | 1,0 kg |
| 550 mm       | 5,3 kg |
| FRAZ. / SECT |        |



### 3264

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 55.00  
**Max T/m** = 60  
 **$\alpha$**  = 30°

|              |        |
|--------------|--------|
| 515 mm       | 6,6 kg |
| 200 mm       | 2,6 kg |
| 100 mm       | 1,3 kg |
| 550 mm       | 7,0 kg |
| FRAZ. / SECT |        |



### 3265

**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 55.00  
**Max T/m** = 55  
 **$\alpha$**  = 30°

|              |        |
|--------------|--------|
| 515 mm       | 7,2 kg |
| 200 mm       | 2,8 kg |
| 100 mm       | 1,4 kg |
| 550 mm       | 7,7 kg |
| FRAZ. / SECT |        |

# BYSTRONIC STYLE

**Gli utensili superiori e inferiori elencati in questa sezione possono essere installati sulle piegatrici Bystronic/Beyeler dotate dei seguenti tipi di bloccaggio:**

Bystronic/Beyeler Type RFA  
Bystronic/Beyeler Type RF  
Bystronic/Beyeler Type R

Questi utensili possono essere installati anche su altre piegatrici tramite adattatori superiori e inferiori.

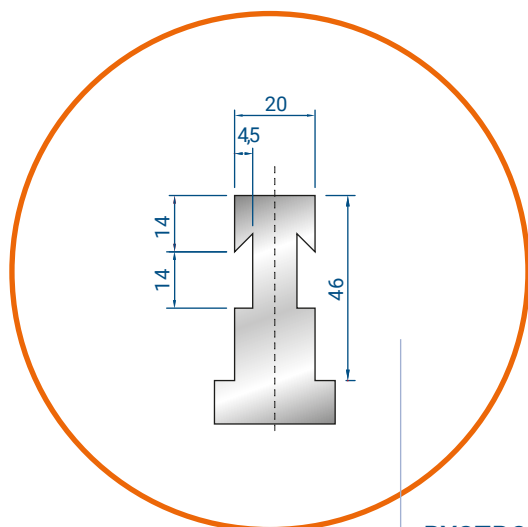
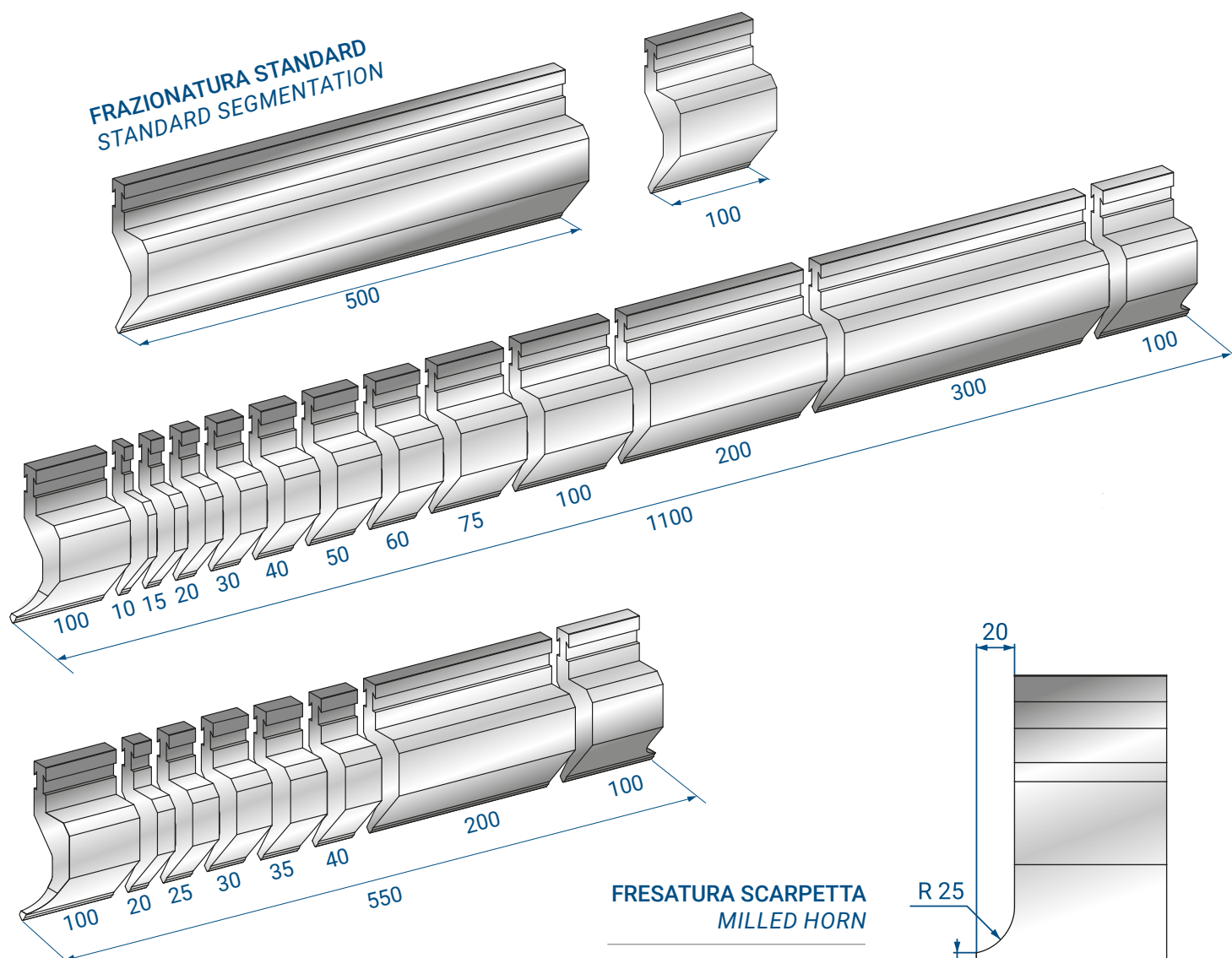
***Upper and lower tooling listed on this section could be installed on the Bystronic/Beyeler press brakes equipped with the following clamping types:***

Bystronic/Beyeler Type RFA  
Bystronic/Beyeler Type RF  
Bystronic/Beyeler Type R

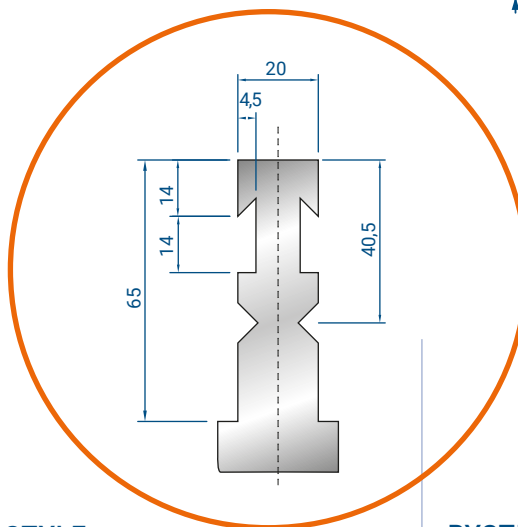
*These tooling could also be installed on other press brakes by using the appropriate upper and lower adapters.*



VEDI PAG. 181 PER SCHEMA FRAZIONATURA MATRICI  
SEE PAGE 181 FOR DIE SEGMENTATION DIAGRAM



**BYSTRONIC STYLE**  
**TYPE R**

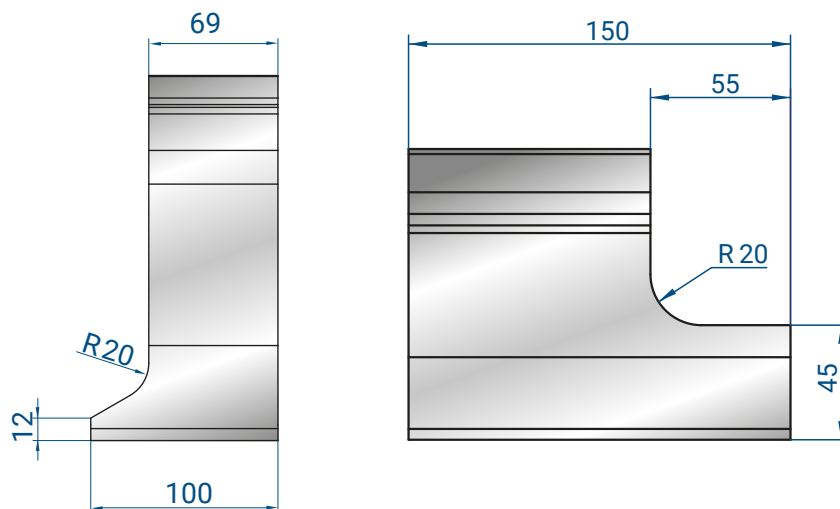


**BYSTRONIC STYLE**  
**TYPE RF-A**

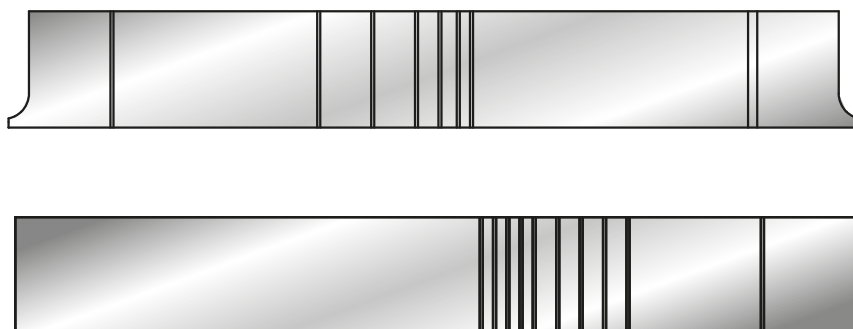
INCLUSO SU RICHIESTA  
AVAILABLE ON DEMAND  
AT NO COST

CODICE / CODE **8022**

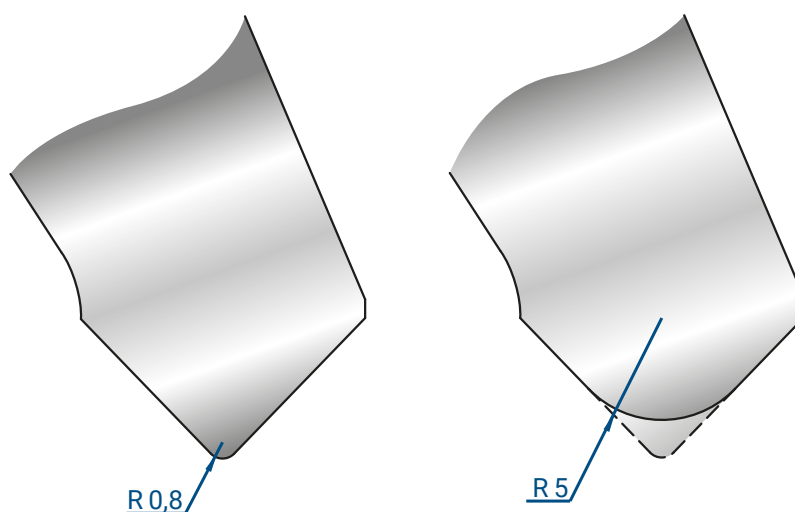
SCARPETTE SPECIALI  
SPECIAL HORNS

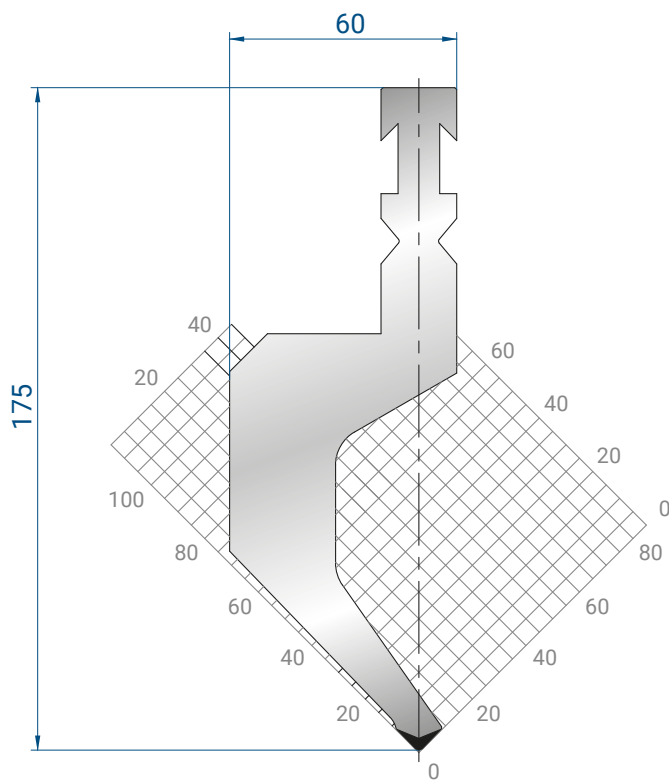


TAGLI A RICHIESTA  
SPECIAL SEGMENTATION



MODIFICA RAGGIO  
RADIUS MODIFICATION

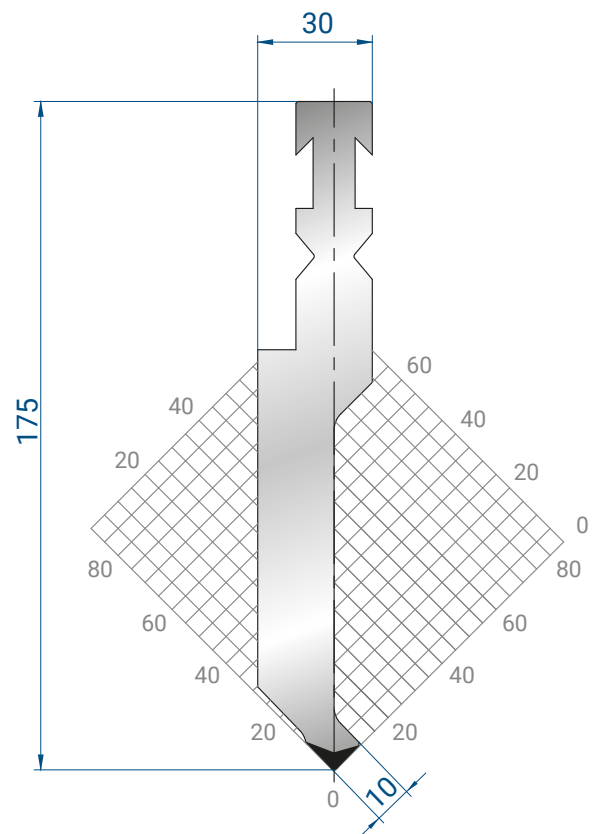




**1227**

**Mat** = C45  
 bonificato / *tempered*  
**H** = 175.00  
**Max T/m** = 50  
 $\alpha$  = 88°  
 R = 1.5

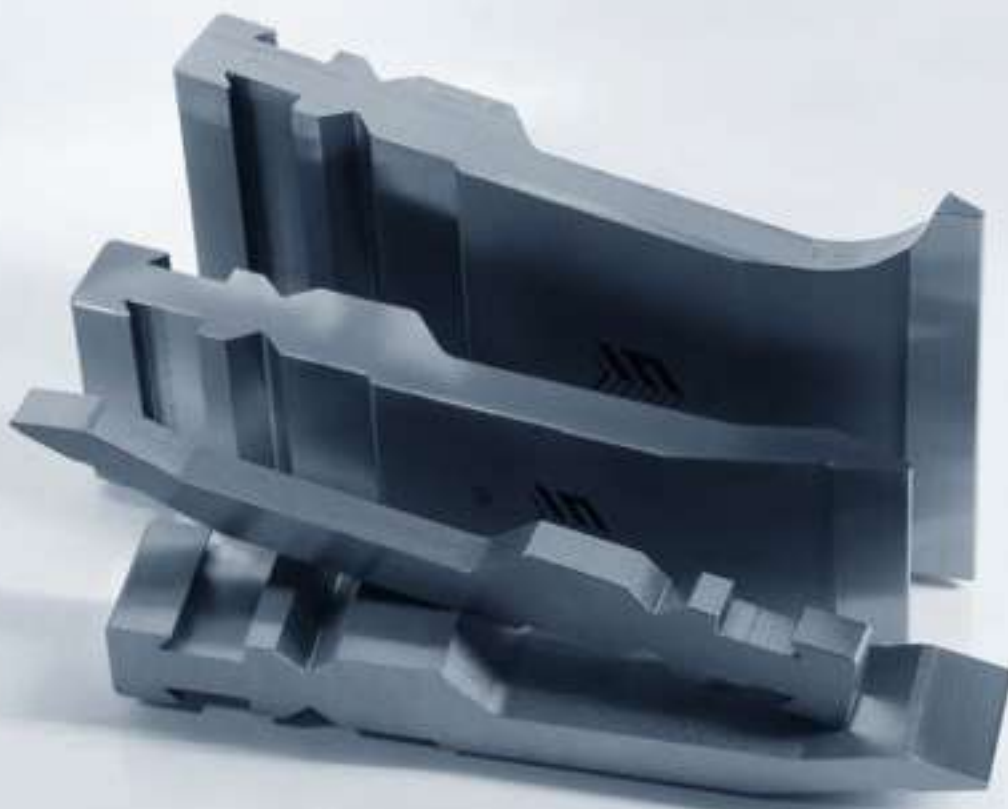
|                          |         |
|--------------------------|---------|
| 500 mm                   | 16,3 kg |
| 500 mm<br>SECT. SHORT    | 16,6 kg |
| 1100 mm<br>FRAZ. / SECT. | 34,5 kg |
| 100 mm                   | 3,3 kg  |

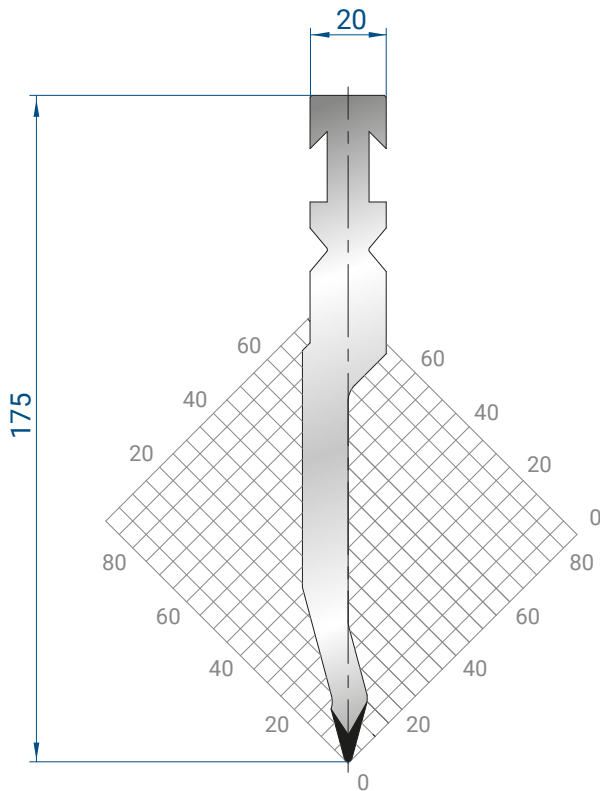


**1229**

**Mat** = C45  
 bonificato / *tempered*  
**H** = 175.00  
**Max T/m** = 100  
 $\alpha$  = 88°  
 R = 1

|                          |         |
|--------------------------|---------|
| 500 mm                   | 12,8 kg |
| 500 mm<br>SECT. SHORT    | 13,0 kg |
| 1100 mm<br>FRAZ. / SECT. | 27,1 kg |
| 100 mm                   | 2,6 kg  |

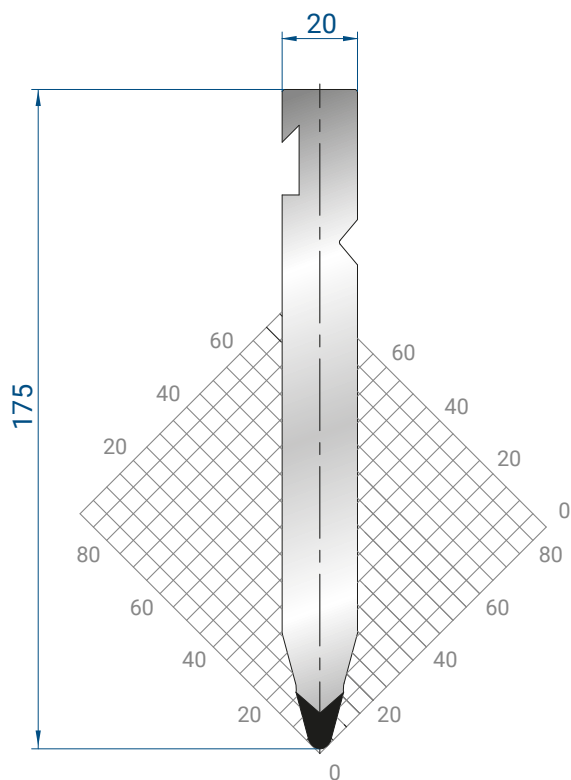




# 1230

Mat = C45  
bonificato / *tempered*  
H = 175.00  
Max T/m = 80  
 $\alpha = 30^\circ$   
R = 1

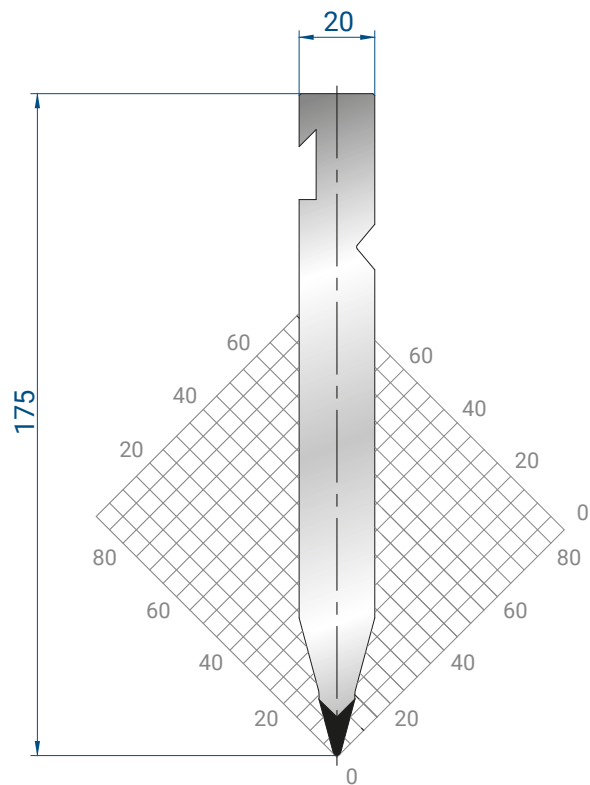
|                          |         |
|--------------------------|---------|
| 500 mm                   | 9,1 kg  |
| 550 mm<br>SECT. SHORT    | 9,3 kg  |
| 1100 mm<br>FRAZ. / SECT. | 19,3 kg |
| 100 mm                   | 1,8 kg  |



# 1231

Mat = C45  
bonificato / *tempered*  
H = 175.00  
Max T/m = 100  
 $\alpha = 30^\circ$   
R = 3

|                          |         |
|--------------------------|---------|
| 500 mm                   | 12,4 kg |
| 550 mm<br>SECT. SHORT    | 12,7 kg |
| 1100 mm<br>FRAZ. / SECT. | 26,3 kg |
| 100 mm                   | 2,5 kg  |



# 1232

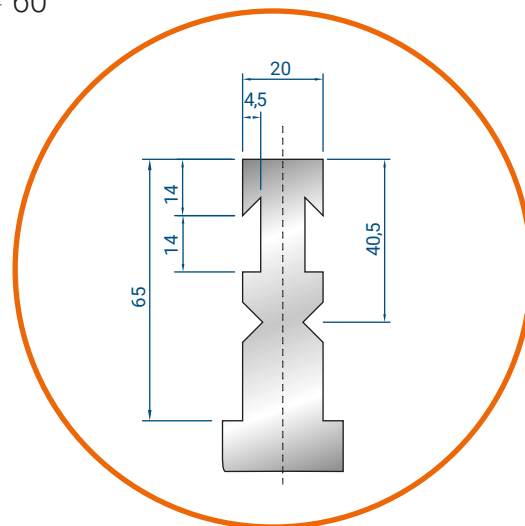
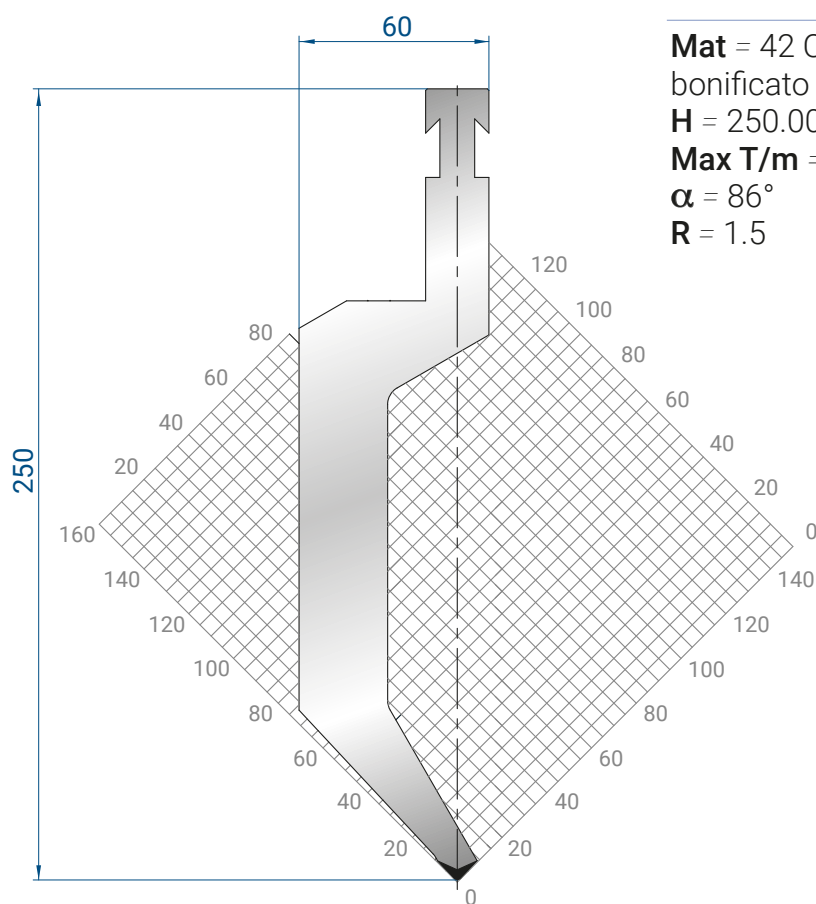
Mat = C45  
bonificato / *tempered*  
H = 175.00  
Max T/m = 100  
 $\alpha = 30^\circ$   
R = 1

|                          |         |
|--------------------------|---------|
| 500 mm                   | 12,0 kg |
| 550 mm<br>SECT. SHORT    | 12,2 kg |
| 1100 mm<br>FRAZ. / SECT. | 25,4 kg |
| 100 mm                   | 2,4 kg  |

**1298**

**Mat** = 42 CrMo4  
 bonificato / *tempered*  
**H** = 250.00  
**Max T/m** = 60  
 **$\alpha$**  = 86°  
**R** = 1.5

|                          |         |
|--------------------------|---------|
| 500 mm                   | 25,1 kg |
| 550 mm<br>SECT. SHORT    | 24,6 kg |
| 1100 mm<br>FRAZ. / SECT. | 52,2 kg |
| 100 mm                   | 5,0 kg  |

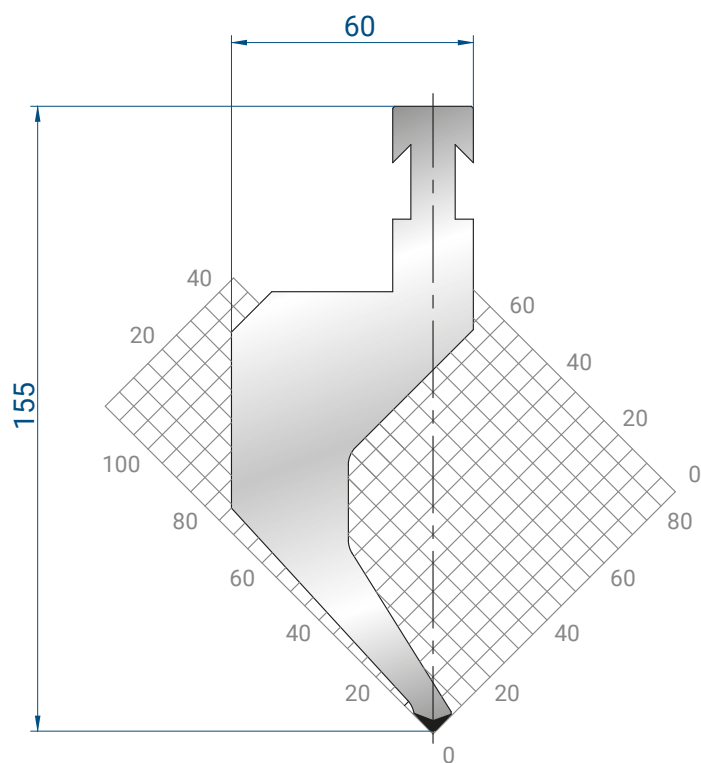


**ATTACCO / UPPER TANG RF-A**

INCLUSO SU RICHIESTA  
 AVAILABLE ON DEMAND  
 AT NO COST

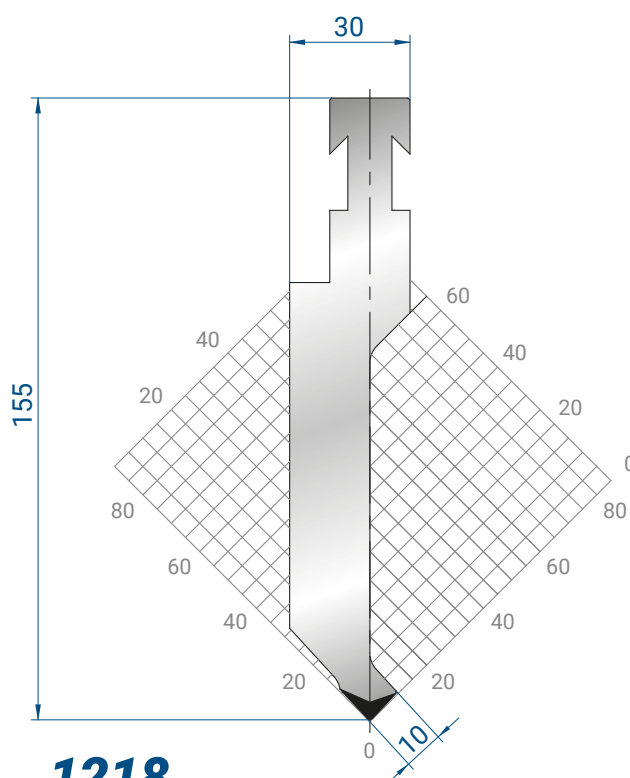
CODICE / CODE **8022**




**1216**

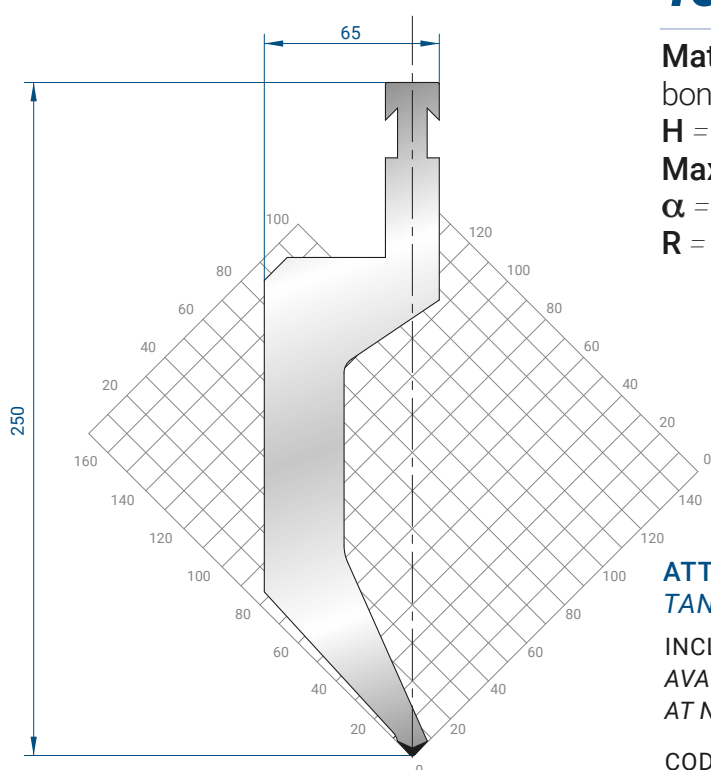
**Mat** = C45  
bonificato / *tempered*  
**H** = 155.00  
**Max T/m** = 50  
**α** = 85°  
**R** = 1.5

|                          |         |
|--------------------------|---------|
| 500 mm                   | 15,3 kg |
| 550 mm<br>SECT. SHORT    | 15,6 kg |
| 1100 mm<br>FRAZ. / SECT. | 32,4 kg |
| 100 mm                   | 3,0 kg  |


**1218**

**Mat** = C45  
bonificato / *tempered*  
**H** = 155.00  
**Max T/m** = 100  
**α** = 85°  
**R** = 1

|                          |         |
|--------------------------|---------|
| 500 mm                   | 11,4 kg |
| 550 mm<br>SECT. SHORT    | 11,7 kg |
| 1100 mm<br>FRAZ. / SECT. | 24,2 kg |
| 100 mm                   | 2,3 kg  |


**1321**

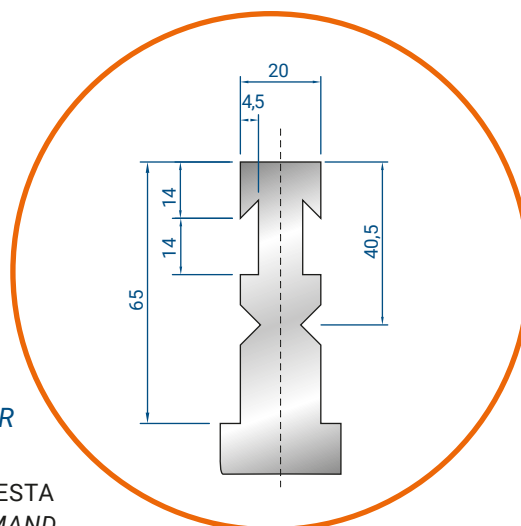
**Mat** = 42 CrMo4  
bonificato / *tempered*  
**H** = 250.00  
**Max T/m** = 100  
**α** = 85°  
**R** = 1.5

|                          |         |
|--------------------------|---------|
| 500 mm                   | 27,9 kg |
| 550 mm<br>SECT. SHORT    | 28,5 kg |
| 1100 mm<br>FRAZ. / SECT. | 59,2 kg |
| 100 mm                   | 5,6 kg  |

**ATTACCO / UPPER  
TANG RF-A**

INCLUSO SU RICHIESTA  
AVAILABLE ON DEMAND  
AT NO COST

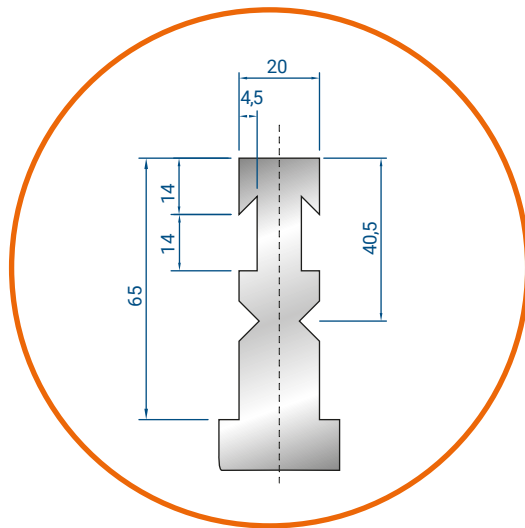
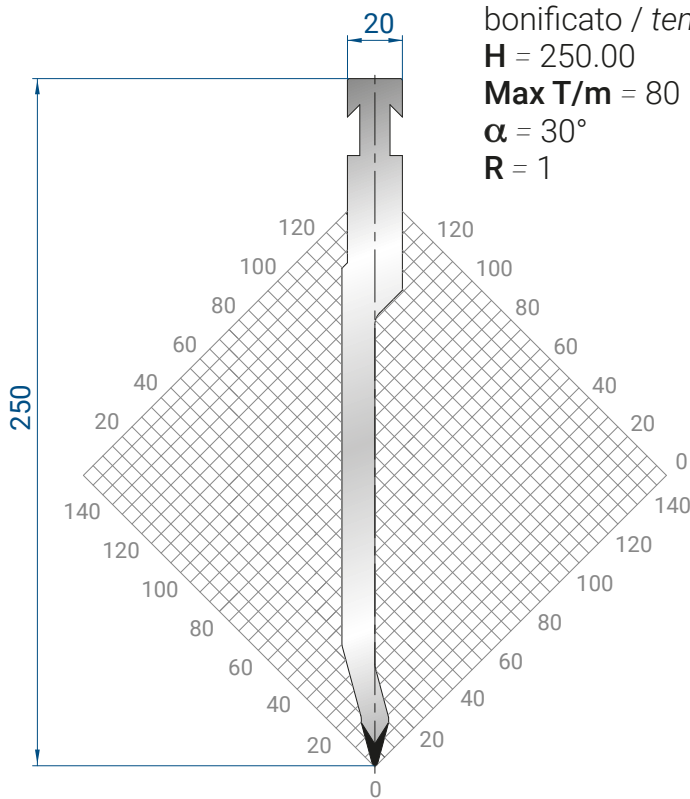
CODICE / CODE **8022**



## 1299

**Mat** = 42 CrMo4  
 bonificato / *tempered*  
**H** = 250.00  
**Max T/m** = 80  
 $\alpha$  = 30°  
**R** = 1

|                          |         |
|--------------------------|---------|
| 550 mm                   | 13,3 kg |
| 500 mm<br>SECT. SHORT    | 13,6 kg |
| 1100 mm<br>FRAZ. / SECT. | 28,2 kg |
| 100 mm                   | 2,7 kg  |



**ATTACCO / UPPER TANG RF-A**

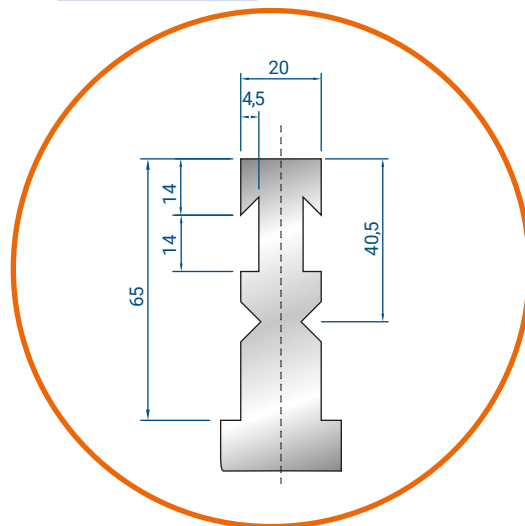
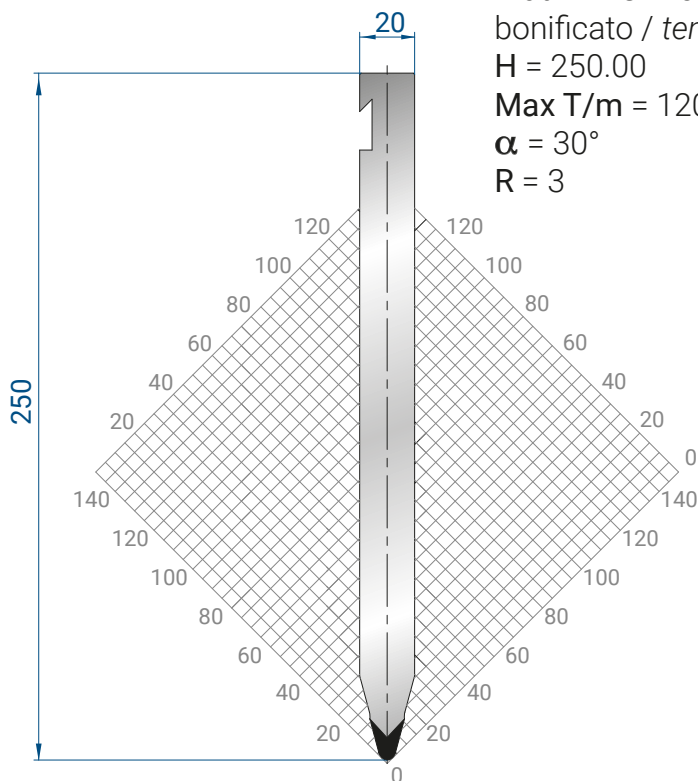
INCLUSO SU RICHIESTA  
 AVAILABLE ON DEMAND  
 AT NO COST

**CODICE / CODE 8022**

## 1300

**Mat** = 42CrMo4  
 bonificato / *tempered*  
**H** = 250.00  
**Max T/m** = 120  
 $\alpha$  = 30°  
**R** = 3

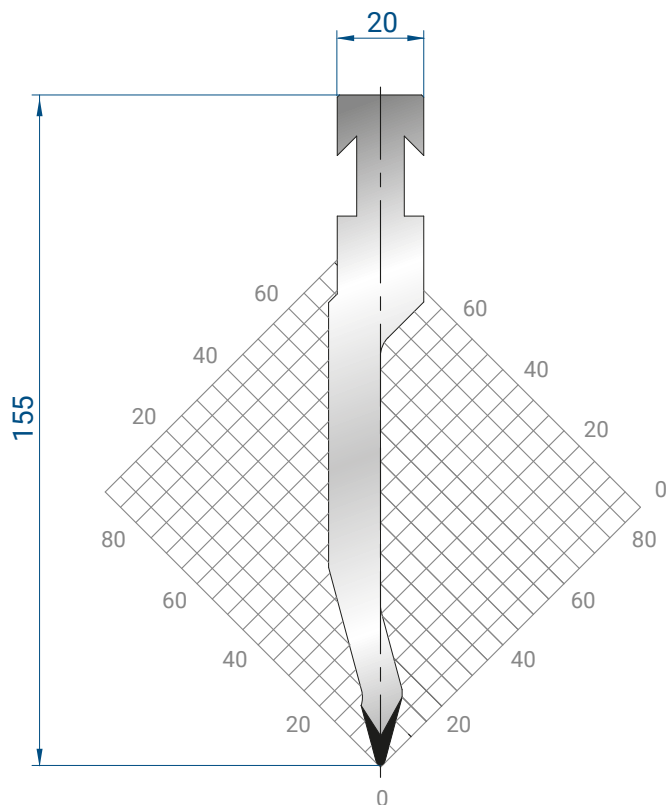
|                          |         |
|--------------------------|---------|
| 500 mm                   | 18,4 kg |
| 550 mm<br>SECT. SHORT    | 18,8 kg |
| 1100 mm<br>FRAZ. / SECT. | 39,0 kg |
| 100 mm                   | 3,7 kg  |



**ATTACCO / UPPER TANG RF-A**

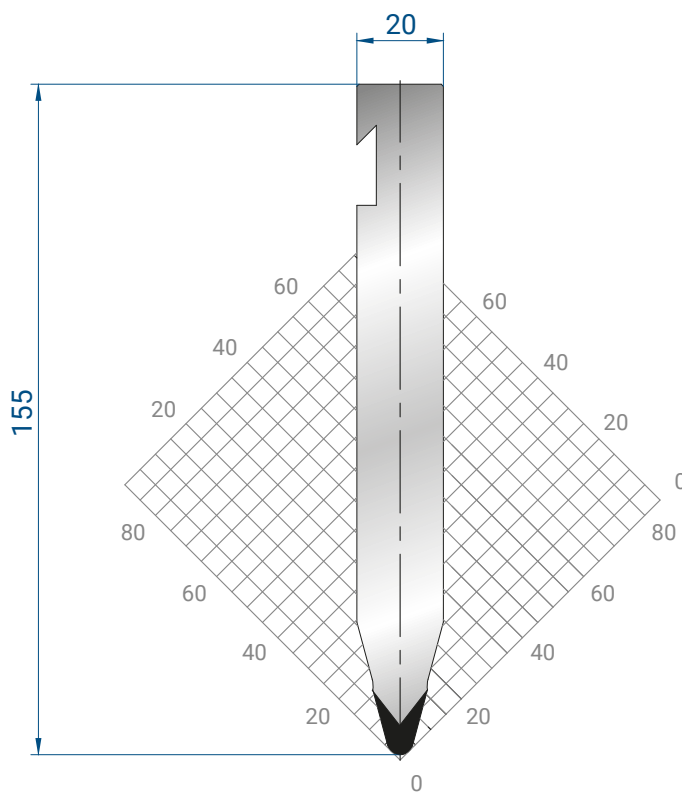
INCLUSO SU RICHIESTA  
 AVAILABLE ON DEMAND  
 AT NO COST

**CODICE / CODE 8022**


**1220**

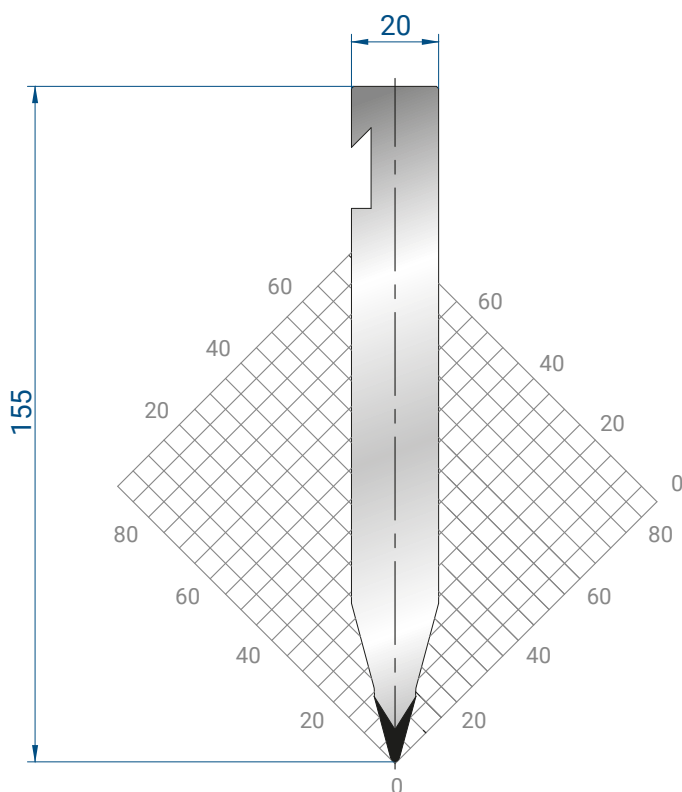
Mat = C45  
bonificato / tempered  
H = 155.00  
Max T/m = 80  
 $\alpha = 30^\circ$   
R = 1

|                          |         |
|--------------------------|---------|
| 500 mm                   | 7,8 kg  |
| 550 mm<br>SECT. SHORT    | 7,9 kg  |
| 1100 mm<br>FRAZ. / SECT. | 16,5 kg |
| 100 mm                   | 1,6 kg  |


**1225**

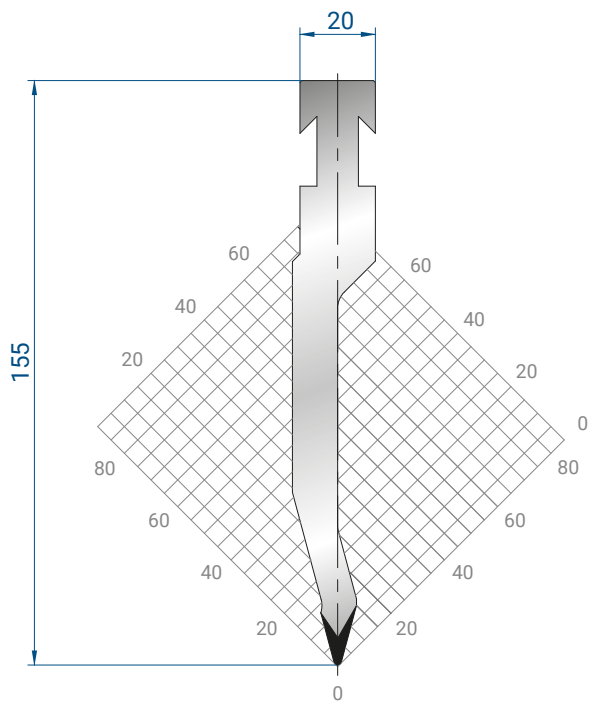
Mat = C45  
bonificato / tempered  
H = 155.00  
Max T/m = 100  
 $\alpha = 30^\circ$   
R = 3

|                          |         |
|--------------------------|---------|
| 500 mm                   | 10,9 kg |
| 550 mm<br>SECT. SHORT    | 11,2 kg |
| 1100 mm<br>FRAZ. / SECT. | 23,2 kg |
| 100 mm                   | 2,2 kg  |


**1226**

Mat = C45  
bonificato / tempered  
H = 155.00  
Max T/m = 100  
 $\alpha = 30^\circ$   
R = 1

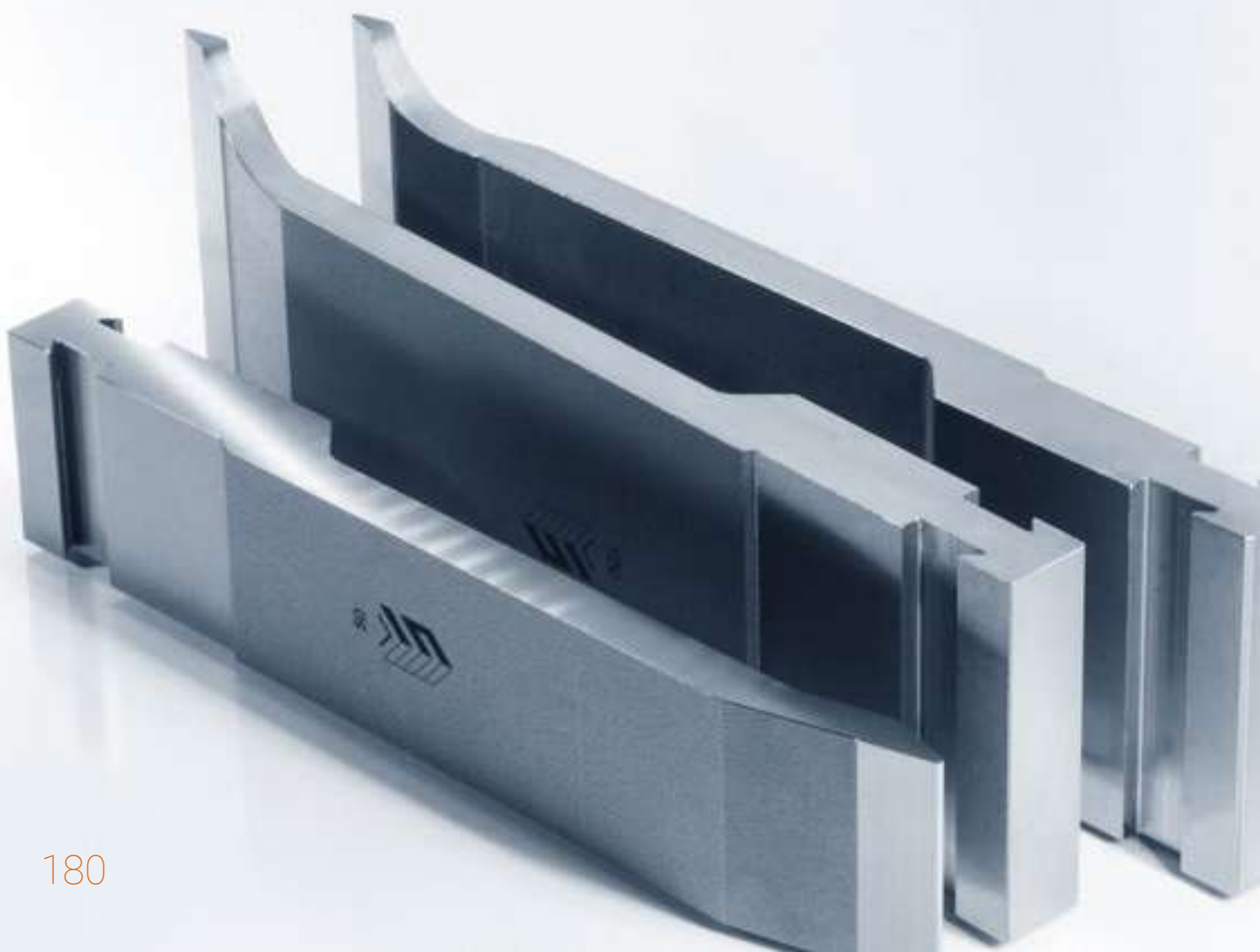
|                          |         |
|--------------------------|---------|
| 500 mm                   | 10,5 kg |
| 550 mm<br>SECT. SHORT    | 10,8 kg |
| 1100 mm<br>FRAZ. / SECT. | 22,3 kg |
| 100 mm                   | 2,1 kg  |



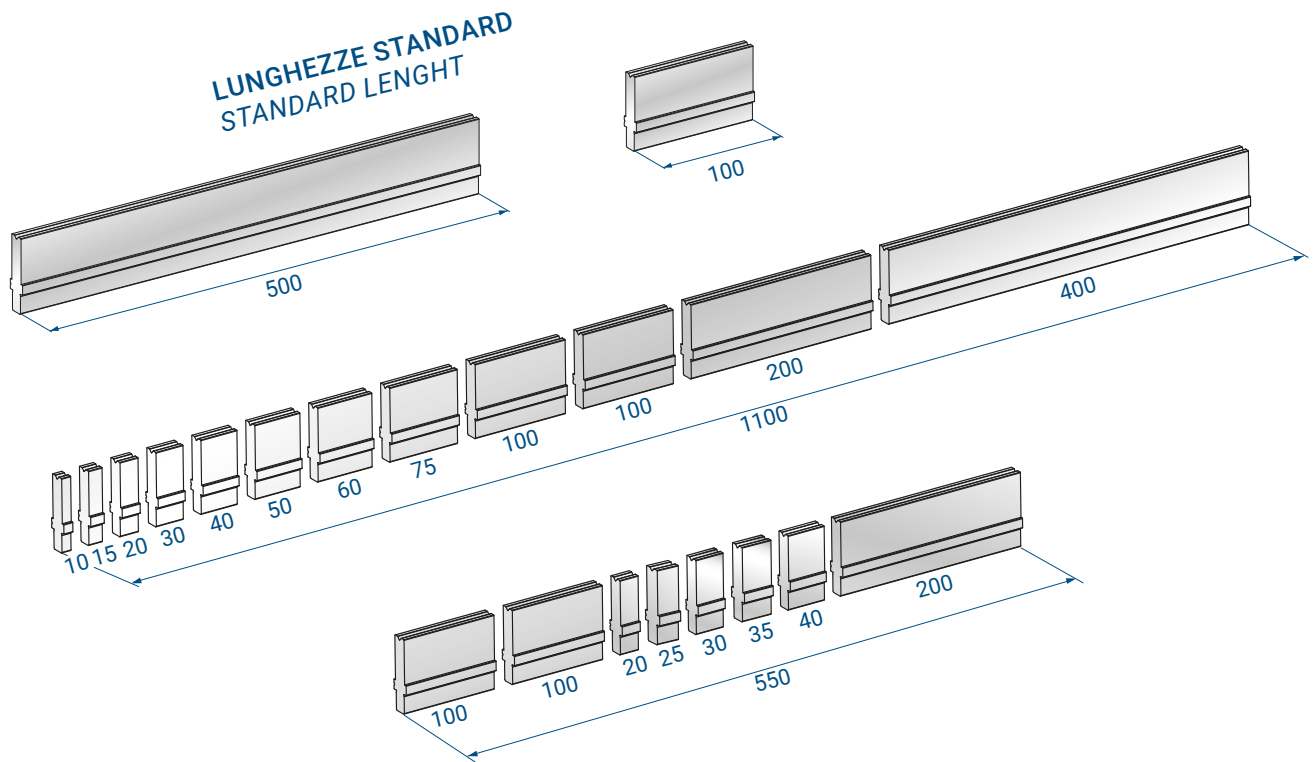
**1221**

Mat = C45  
 bonificato / *tempered*  
 H = 155.00  
 Max T/m = 80  
 $\alpha = 28^\circ$   
 R = 1

|                          |         |
|--------------------------|---------|
| 500 mm                   | 7,8 kg  |
| 550 mm<br>SECT. SHORT    | 7,9 kg  |
| 1100 mm<br>FRAZ. / SECT. | 16,5 kg |
| 100 mm                   | 1,6 kg  |

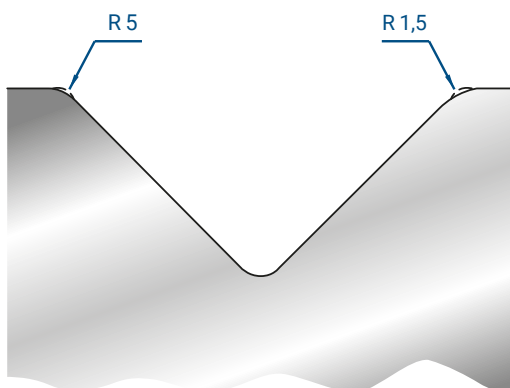


VEDI PAG. 172 PER SCHEMA FRAZIONATURA PUNZONI  
SEE PAGE 172 FOR PUNCHES SEGMENTATION DIAGRAM

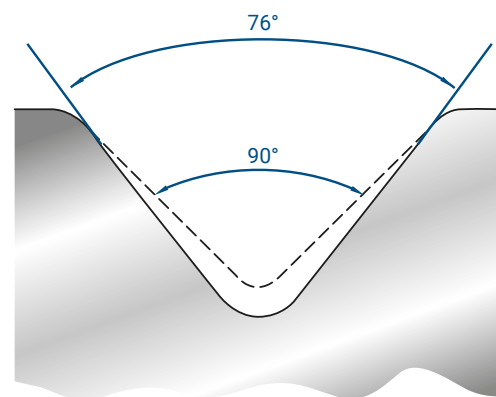


## MODIFICHE A RICHIESTA MODIFICATIONS ON REQUEST

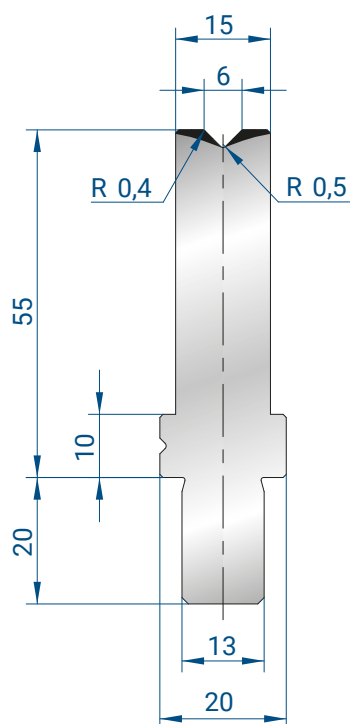
### TAGLI A RICHIESTA SPECIAL SEGMENTATION



MODIFICA RAGGIO  
RADIUS MODIFICATION



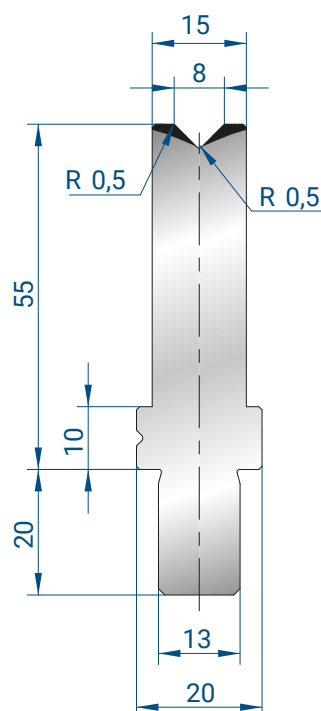
MODIFICA ANGOLO  
ANGLE MODIFICATION



**3241**

Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$

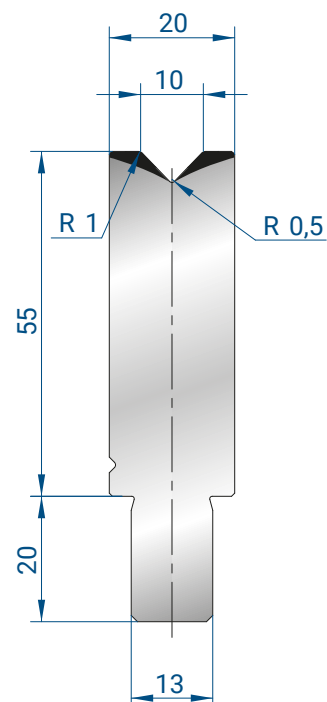
|                          |        |
|--------------------------|--------|
| 1000 mm                  | 8,7 kg |
| 500 mm                   | 4,4 kg |
| 1100 mm<br>FRAZ. / SECT. | 9,7 kg |
| 550 mm<br>SECT. SHORT    | 4,8 kg |
| 100 mm                   | 0,9 kg |



**3242**

Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$

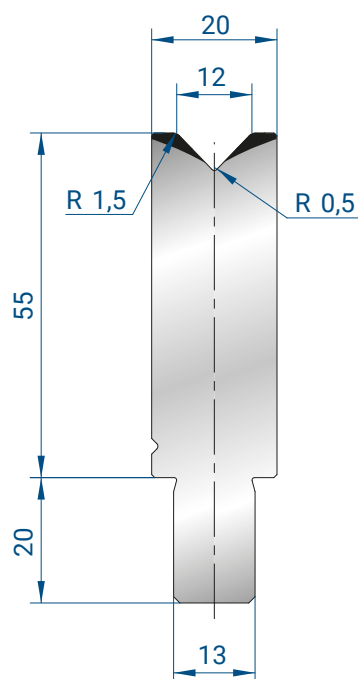
|                          |        |
|--------------------------|--------|
| 1000 mm                  | 8,7 kg |
| 500 mm                   | 4,4 kg |
| 1100 mm<br>FRAZ. / SECT. | 9,6 kg |
| 550 mm<br>SECT. SHORT    | 4,8 kg |
| 100 mm                   | 0,9 kg |



**3106**

Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$

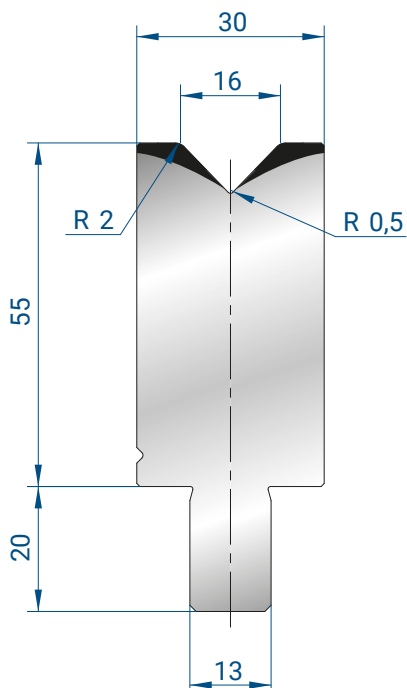
|                          |         |
|--------------------------|---------|
| 1000 mm                  | 10,4 kg |
| 500 mm                   | 5,2 kg  |
| 1100 mm<br>FRAZ. / SECT. | 11,5 kg |
| 550 mm<br>SECT. SHORT    | 5,7 kg  |
| 100 mm                   | 1,0 kg  |



### 3107

Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$

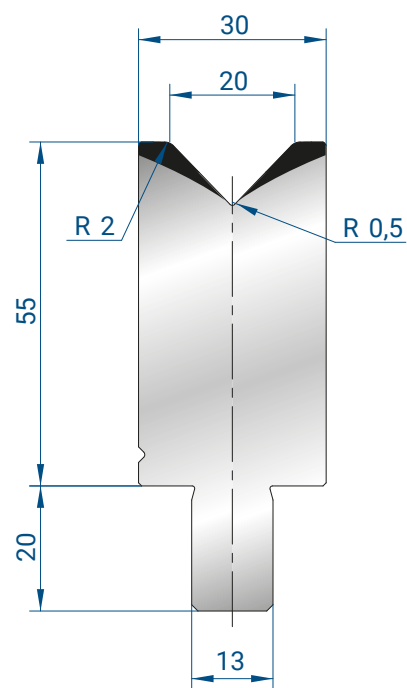
|                          |         |
|--------------------------|---------|
| 1000 mm                  | 10,3 kg |
| 500 mm                   | 5,2 kg  |
| 1100 mm<br>FRAZ. / SECT. | 11,4 kg |
| 550 mm<br>SECT. SHORT    | 5,7 kg  |
| 100 mm                   | 1,0 kg  |



### 3108

Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$

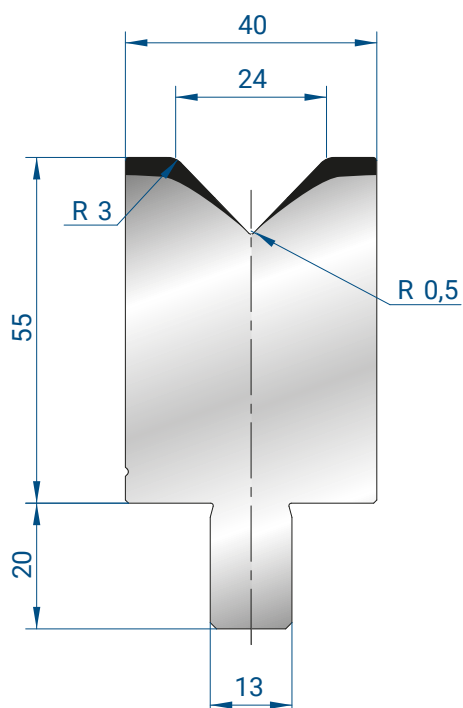
|                          |         |
|--------------------------|---------|
| 1000 mm                  | 14,4 kg |
| 500 mm                   | 7,2 kg  |
| 1100 mm<br>FRAZ. / SECT. | 15,8 kg |
| 550 mm<br>SECT. SHORT    | 7,9 kg  |
| 100 mm                   | 1,4 kg  |



### 3109

Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$

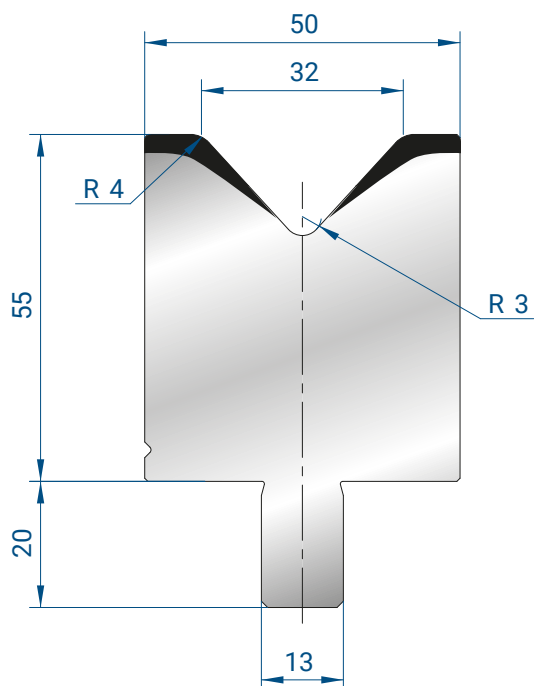
|                          |         |
|--------------------------|---------|
| 1000 mm                  | 14,1 kg |
| 500 mm                   | 7,1 kg  |
| 1100 mm<br>FRAZ. / SECT. | 15,5 kg |
| 550 mm<br>SECT. SHORT    | 7,7 kg  |
| 100 mm                   | 2,8 kg  |



### 3110

Mat = C45  
Max T/m = 100  
 $\alpha = 88^\circ$

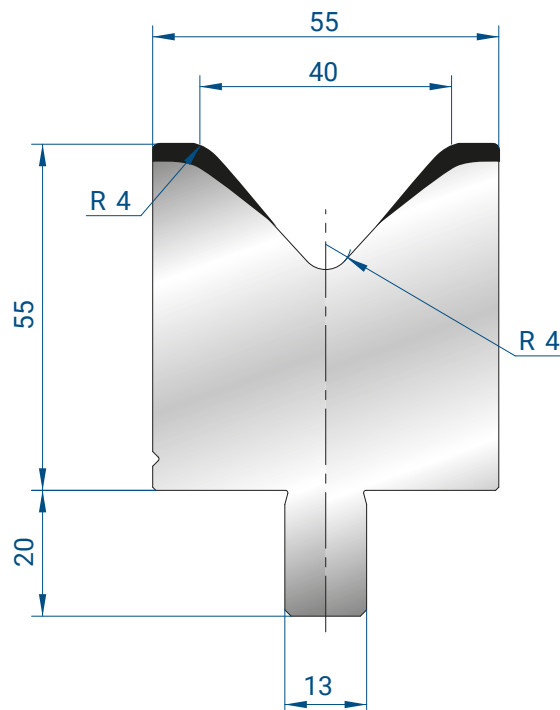
|                          |         |
|--------------------------|---------|
| 1000 mm                  | 18,1 kg |
| 500 mm                   | 9,0 kg  |
| 1100 mm<br>FRAZ. / SECT. | 19,9 kg |
| 550 mm<br>SECT. SHORT    | 10,0 kg |
| 100 mm                   | 1,8 kg  |



**3111**

Mat = C45  
Max T/m = 100  
 $\alpha = 85^\circ$

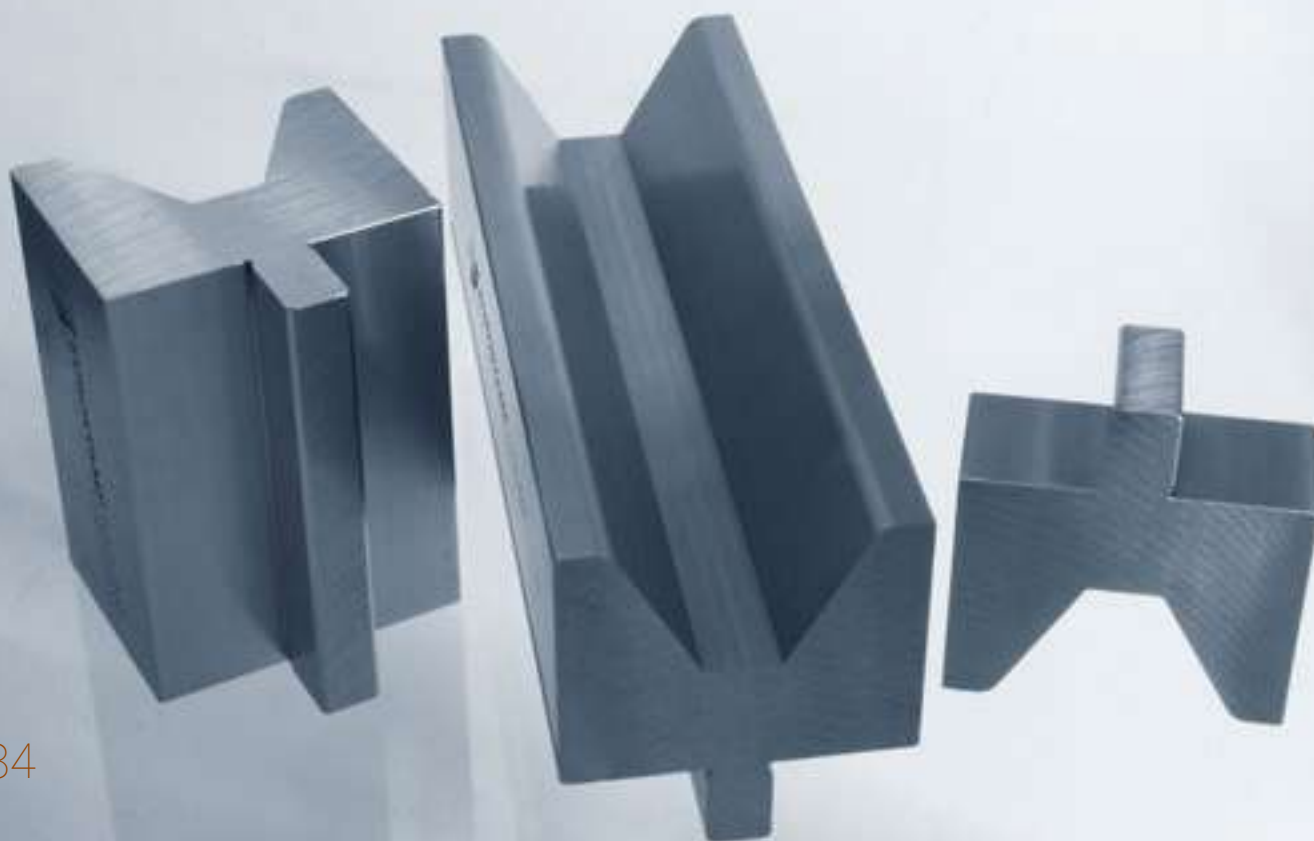
|                          |         |
|--------------------------|---------|
| 1000 mm                  | 21,4 kg |
| 500 mm                   | 10,7 kg |
| 1100 mm<br>FRAZ. / SECT. | 23,5 kg |
| 550 mm<br>SECT. SHORT    | 11,8 kg |
| 100 mm                   | 2,1 kg  |

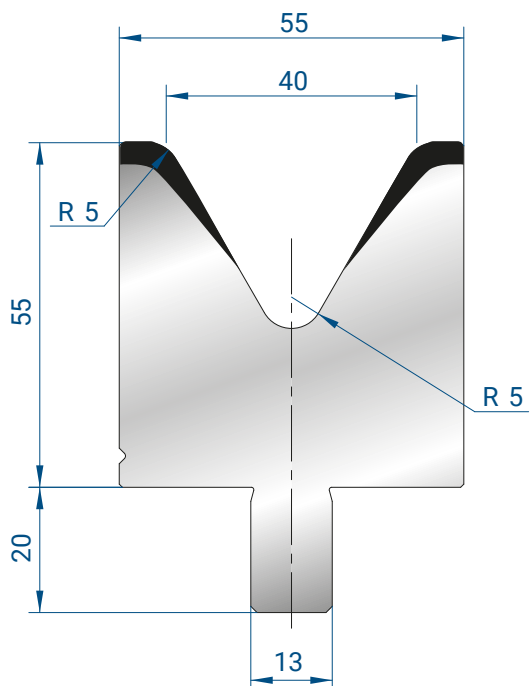


**3112**

Mat = C45  
Max T/m = 100  
 $\alpha = 85^\circ$

|                          |         |
|--------------------------|---------|
| 1000 mm                  | 22,3 kg |
| 500 mm                   | 11,2 kg |
| 1100 mm<br>FRAZ. / SECT. | 24,5 kg |
| 550 mm<br>SECT. SHORT    | 12,3 kg |
| 100 mm                   | 2,2 kg  |

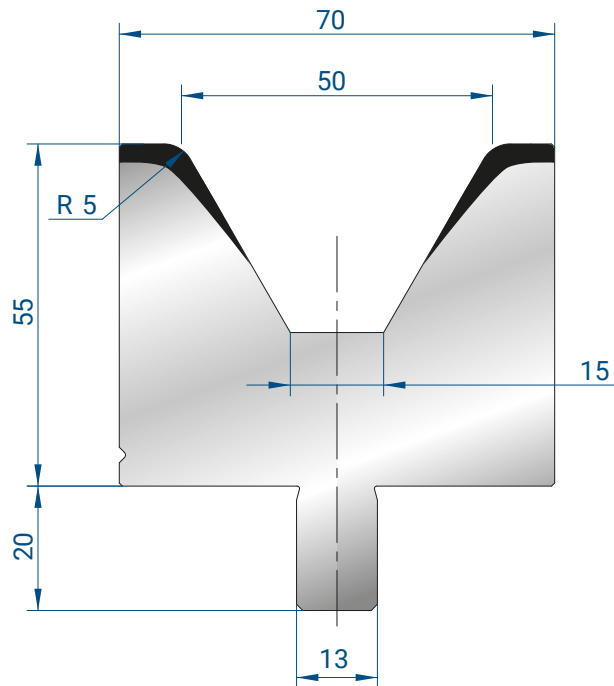




**3113**

Mat = C45  
Max T/m = 100  
 $\alpha = 60^\circ$

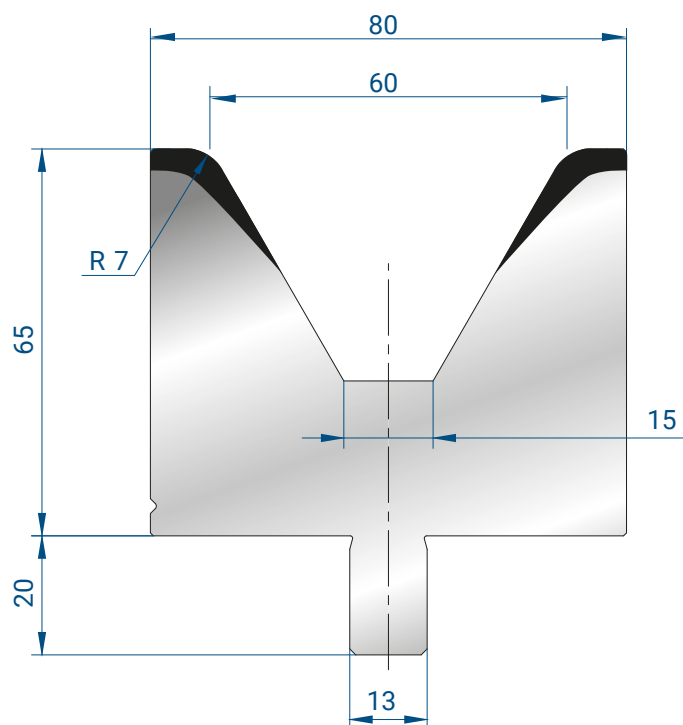
|                          |         |
|--------------------------|---------|
| 1000 mm                  | 20,4 kg |
| 500 mm                   | 10,2 kg |
| 1100 mm<br>FRAZ. / SECT. | 22,4 kg |
| 550 mm<br>SECT. SHORT    | 11,2 kg |
| 100 mm                   | 2,0 kg  |



**3179**

Mat = C45  
Max T/m = 100  
 $\alpha = 60^\circ$

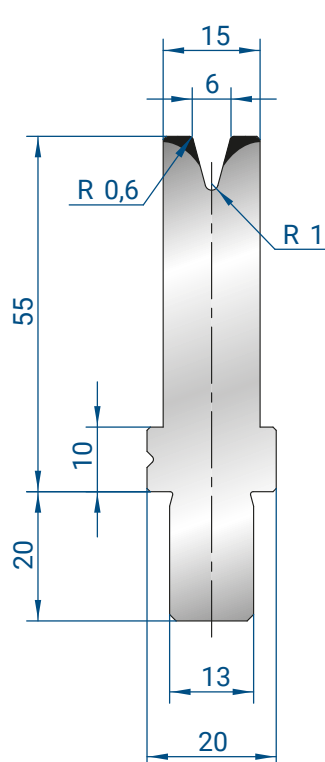
|                          |         |
|--------------------------|---------|
| 1000 mm                  | 24,4 kg |
| 500 mm                   | 12,2 kg |
| 1100 mm<br>FRAZ. / SECT. | 26,9 kg |
| 550 mm<br>SECT. SHORT    | 13,5 kg |
| 100 mm                   | 2,4 kg  |



**3114**

Mat = C45  
Max T/m = 100  
 $\alpha = 60^\circ$

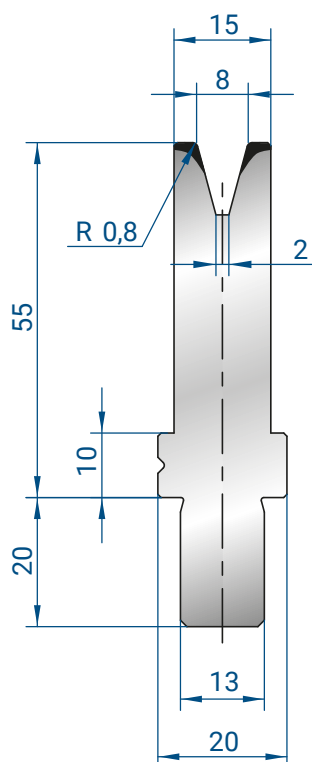
|                          |         |
|--------------------------|---------|
| 1000 mm                  | 31,2 kg |
| 500 mm                   | 15,6 kg |
| 1100 mm<br>FRAZ. / SECT. | 34,4 kg |
| 550 mm<br>SECT. SHORT    | 17,2 kg |
| 100 mm                   | 3,1 kg  |



### 3115

Mat = C45  
Max T/m = 35  
 $\alpha = 30^\circ$

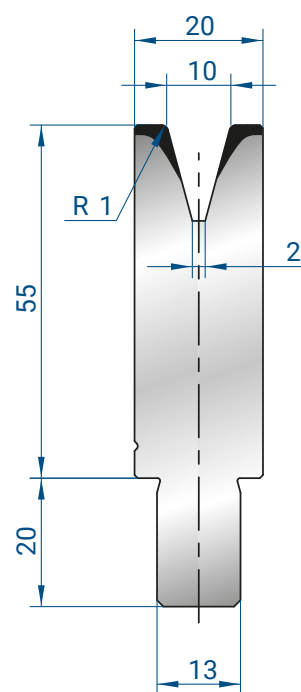
|                          |        |
|--------------------------|--------|
| 1000 mm                  | 8,6 kg |
| 500 mm                   | 4,3 kg |
| 1100 mm<br>FRAZ. / SECT. | 9,5 kg |
| 550 mm<br>SECT. SHORT    | 4,7 kg |
| 100 mm                   | 0,9 kg |



### 3116

Mat = C45  
Max T/m = 40  
 $\alpha = 30^\circ$

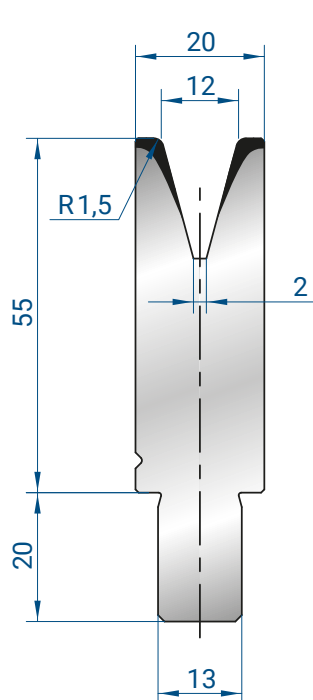
|                          |        |
|--------------------------|--------|
| 1000 mm                  | 8,4 kg |
| 500 mm                   | 4,2 kg |
| 1100 mm<br>FRAZ. / SECT. | 9,3 kg |
| 550 mm<br>SECT. SHORT    | 4,6 kg |
| 100 mm                   | 0,8 kg |



### 3117

Mat = C45  
Max T/m = 50  
 $\alpha = 30^\circ$

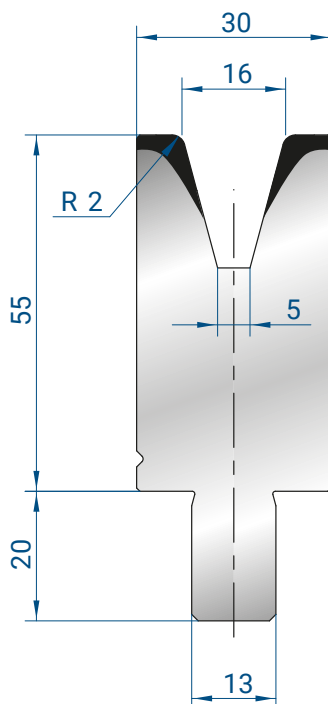
|                          |         |
|--------------------------|---------|
| 1000 mm                  | 9,9 kg  |
| 500 mm                   | 5,0 kg  |
| 1100 mm<br>FRAZ. / SECT. | 10,9 kg |
| 550 mm<br>SECT. SHORT    | 5,5 kg  |
| 100 mm                   | 1,0 kg  |



### 3118

Mat = C45  
Max T/m = 40  
 $\alpha = 30^\circ$

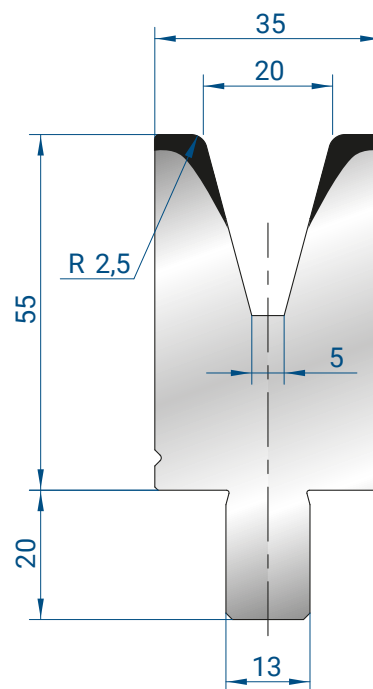
|                          |         |
|--------------------------|---------|
| 1000 mm                  | 9,6 kg  |
| 500 mm                   | 4,8 kg  |
| 1100 mm<br>FRAZ. / SECT. | 10,6 kg |
| 550 mm<br>SECT. SHORT    | 5,3 kg  |
| 100 mm                   | 1,0 kg  |



### 3119

Mat = C45  
Max T/m = 50  
 $\alpha = 30^\circ$

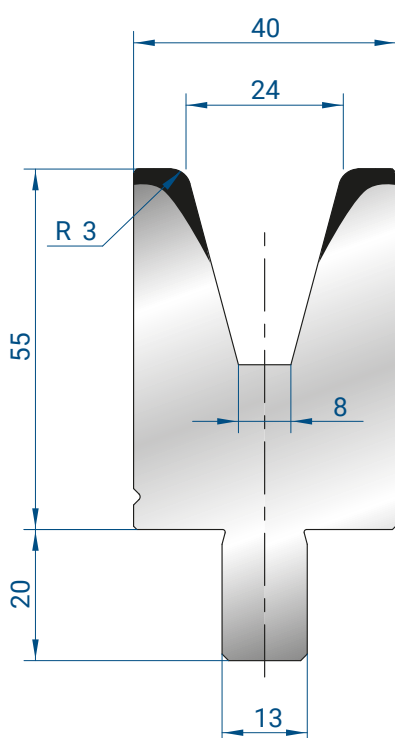
|                          |         |
|--------------------------|---------|
| 1000 mm                  | 13,2 kg |
| 500 mm                   | 6,6 kg  |
| 1100 mm<br>FRAZ. / SECT. | 14,6 kg |
| 550 mm<br>SECT. SHORT    | 7,3 kg  |
| 100 mm                   | 1,3 kg  |



### 3120

Mat = C45  
Max T/m = 55  
 $\alpha = 30^\circ$

|                          |         |
|--------------------------|---------|
| 1000 mm                  | 14,3 kg |
| 500 mm                   | 7,2 kg  |
| 1100 mm<br>FRAZ. / SECT. | 15,8 kg |
| 550 mm<br>SECT. SHORT    | 7,9 kg  |
| 100 mm                   | 1,4 kg  |



### 3121

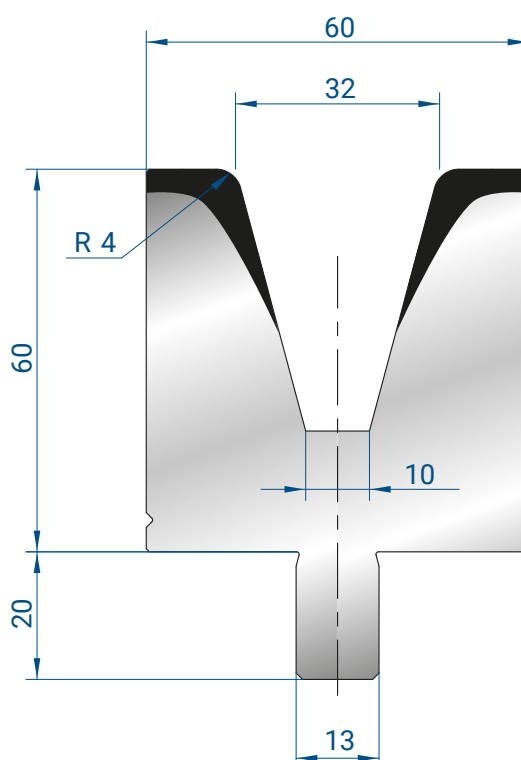
Mat = C45  
Max T/m = 65  
 $\alpha = 30^\circ$

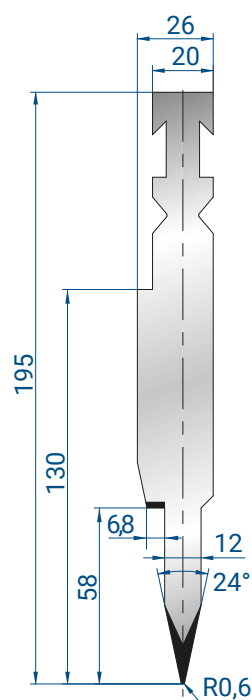
|                          |         |
|--------------------------|---------|
| 1000 mm                  | 15,5 kg |
| 500 mm                   | 7,7 kg  |
| 1100 mm<br>FRAZ. / SECT. | 17,0 kg |
| 550 mm<br>SECT. SHORT    | 8,5 kg  |
| 100 mm                   | 1,5 kg  |

### 3122

Mat = C45  
Max T/m = 65  
 $\alpha = 30^\circ$

|                          |         |
|--------------------------|---------|
| 1000 mm                  | 23,4 kg |
| 500 mm                   | 11,7 kg |
| 1100 mm<br>FRAZ. / SECT. | 25,8 kg |
| 550 mm<br>SECT. SHORT    | 12,9 kg |
| 100 mm                   | 2,3 kg  |





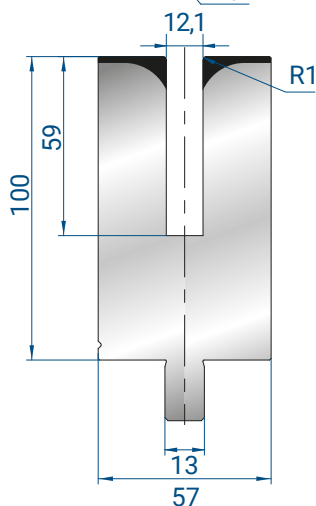
## 1254

**Mat** = C45  
bonificato / *tempered*  
**Max T/m** = 80

|               |         |
|---------------|---------|
| 500 mm        | 13,7 kg |
| 550 mm        | 13,9 kg |
| FRAZ. / SECT. |         |
| 100 mm        | 2,7 kg  |

### Spessore / Thickness

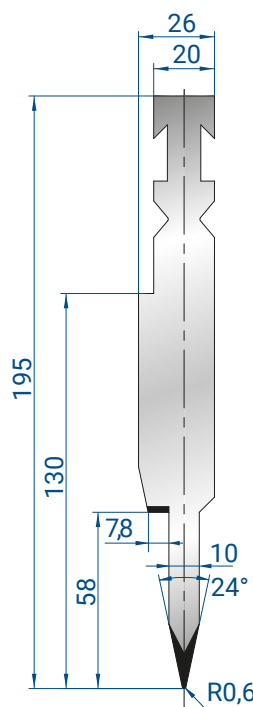
Max 1,5 mm  
Ferro / *Mild steel*



## 3175

**Mat** = C45  
bonificato / *tempered*  
**Max T/m** = 50

|               |         |
|---------------|---------|
| 500 mm        | 20,5 kg |
| 550 mm        | 22,6 kg |
| FRAZ. / SECT. |         |
| 100 mm        | 4,1 kg  |



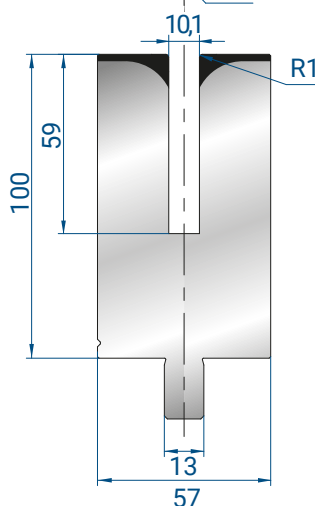
## 1253

**Mat** = C45  
bonificato / *tempered*  
**Max T/m** = 80

|               |         |
|---------------|---------|
| 500 mm        | 13,4 kg |
| 550 mm        | 13,7 kg |
| FRAZ. / SECT. |         |
| 100 mm        | 2,7 kg  |

### Spessore / Thickness

Max 1,5 mm  
Ferro / *Mild steel*

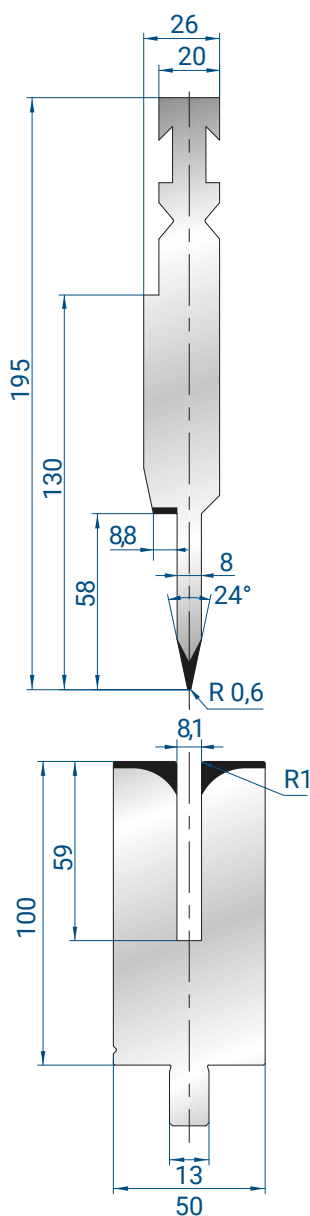


## 3174

**Mat** = C45  
bonificato / *tempered*  
**Max T/m** = 50

|               |         |
|---------------|---------|
| 500 mm        | 21,0 kg |
| 550 mm        | 23,1 kg |
| FRAZ. / SECT. |         |
| 100 mm        | 4,2 kg  |





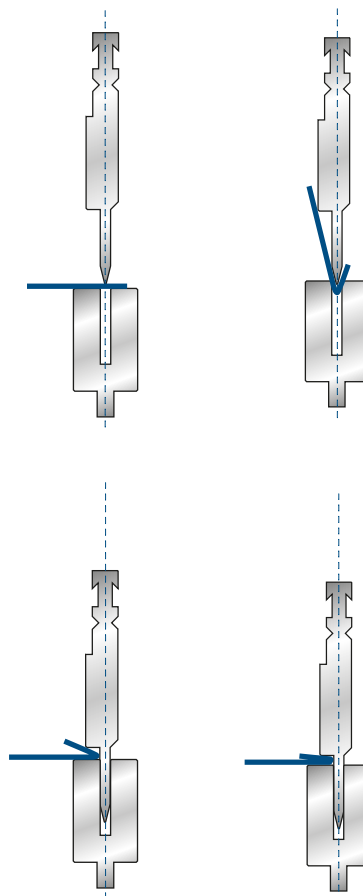
## 1252

**Mat** = C45  
bonificato / *tempered*  
**Max T/m** = 80

|               |         |
|---------------|---------|
| 500 mm        | 13,0 kg |
| 550 mm        | 13,3 kg |
| FRAZ. / SECT. |         |
| 100 mm        | 2,6 kg  |

### Spessore / Thickness

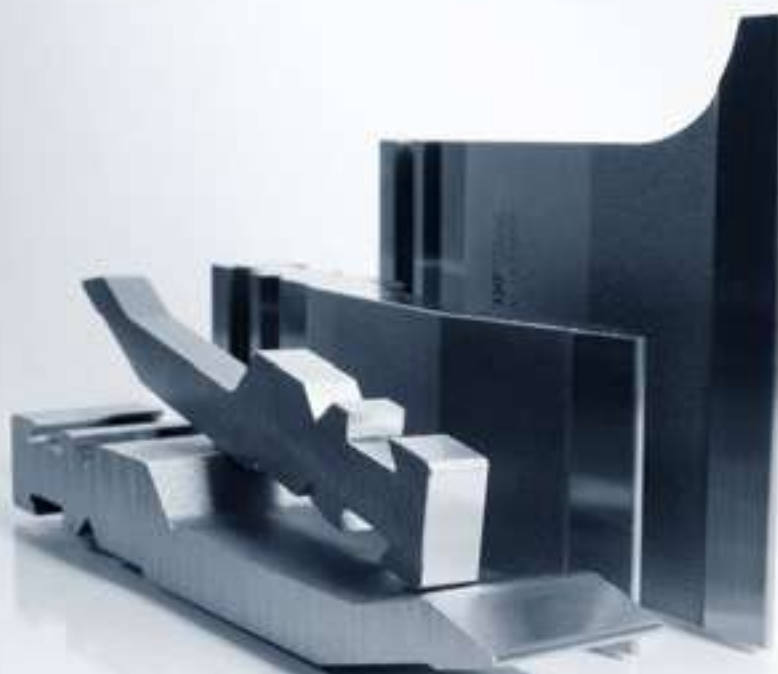
Max 1,2 mm  
Ferro / *Mild steel*



## 3157

**Mat** = C45  
bonificato / *tempered*  
**Max T/m** = 50

|               |         |
|---------------|---------|
| 500 mm        | 18,7 kg |
| 550 mm        | 20,6 kg |
| FRAZ. / SECT. |         |
| 100 mm        | 3,7 kg  |





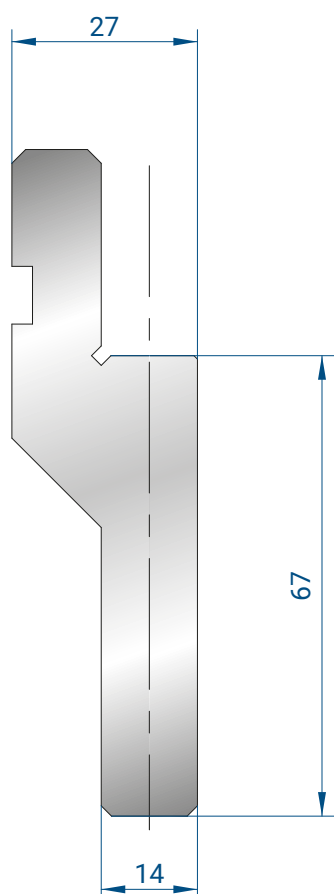
# ACCESSORI ACCESSORIES





PTOOLING  
excellence

## SUPPORTI PER INSERTI RAGGIATI RADIUS INSERTS HOLDERS



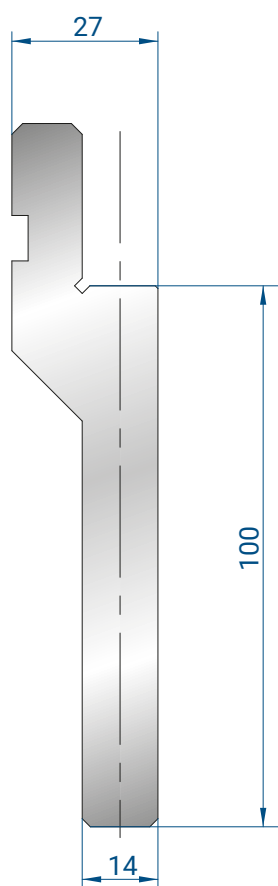
**1036**

AMADA PROMECAM STYLE

**Mat = C45**

**Max T/m = 80**

|        |        |
|--------|--------|
| 830 mm | 9,2 kg |
| 410 mm | 4,5 kg |



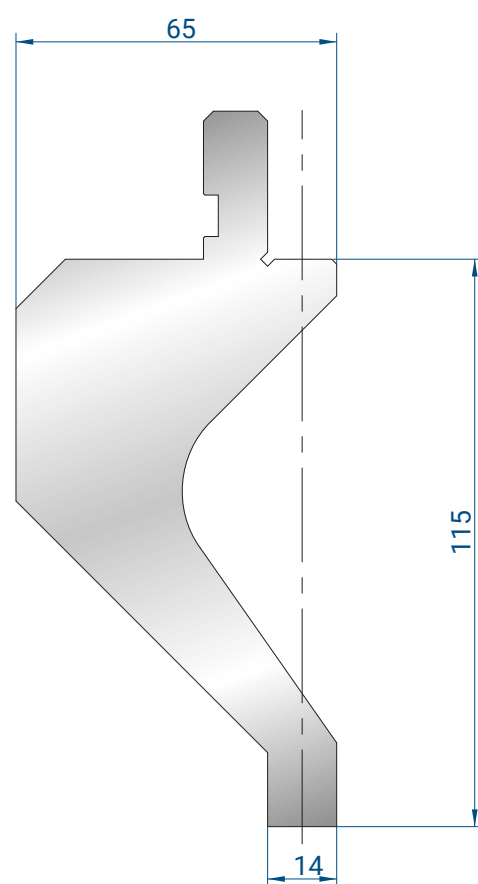
**1096**

AMADA PROMECAM STYLE

**Mat = C45**

**Max T/m = 80**

|        |         |
|--------|---------|
| 830 mm | 12,2 kg |
| 410 mm | 6,0 kg  |



**1090**

AMADA PROMECAM STYLE

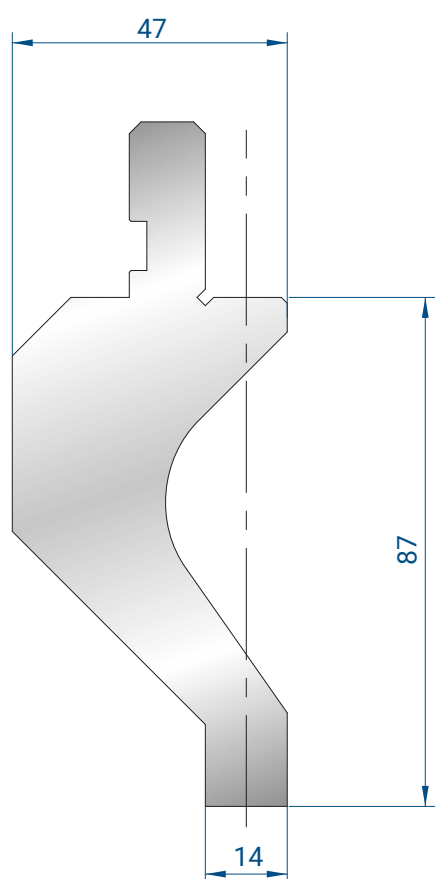
**Mat = C45**

**Max T/m = 50**

|        |         |
|--------|---------|
| 830 mm | 25,6 kg |
| 410 mm | 12,6 kg |



## SUPPORTI PER INSERTI RAGGIATI RADIUS INSERTS HOLDERS



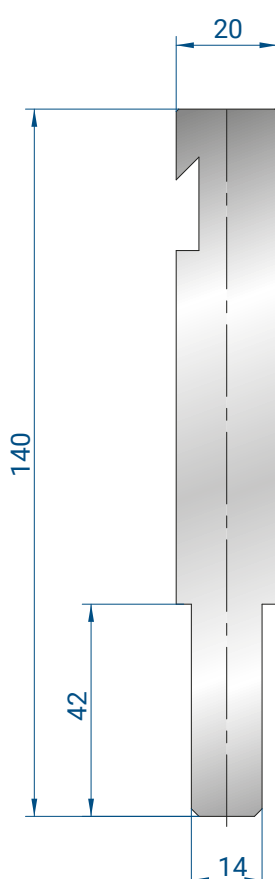
### 1091

**AMADA PROMECAM STYLE**

**Mat = C45**

**Max T/m = 50**

|        |         |
|--------|---------|
| 830 mm | 15,8 kg |
| 410 mm | 7,8 kg  |



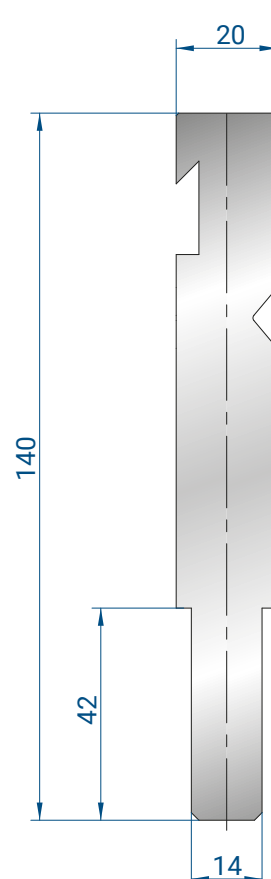
### 1239

**BYSTRONIC R STYLE**

**Mat = C45**

**Max T/m = 80**

|        |         |
|--------|---------|
| 830 mm | 15,3 kg |
| 410 mm | 7,6 kg  |



### 1273

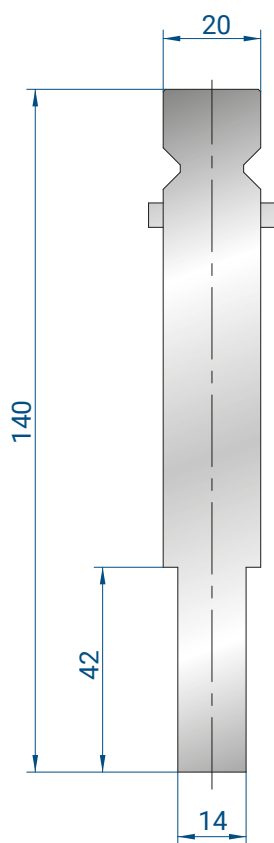
**BYSTRONIC RF - A STYLE**

**Mat = C45**

**Max T/m = 80**

|        |         |
|--------|---------|
| 830 mm | 15,1 kg |
| 412 mm | 7,5 kg  |





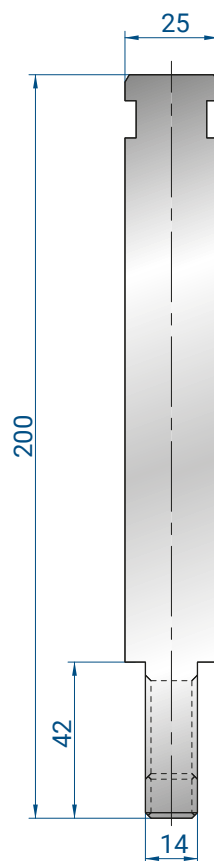
**1240**

TRUMPF / WILA STYLE

Mat = C45

Max T/m = 80

|        |         |
|--------|---------|
| 830 mm | 15,6 kg |
| 410 mm | 7,7 kg  |



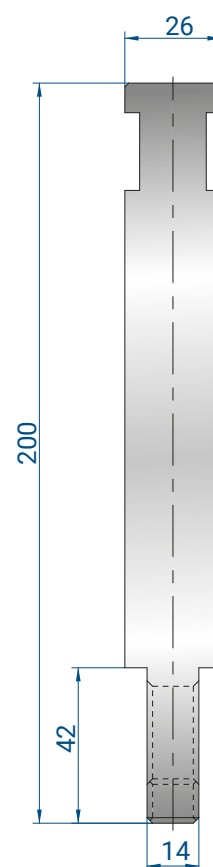
**1305**

WEINBRENNER STYLE

Mat = C45

Max T/m = 80

|        |         |
|--------|---------|
| 830 mm | 28,3 kg |
| 410 mm | 14,0 kg |



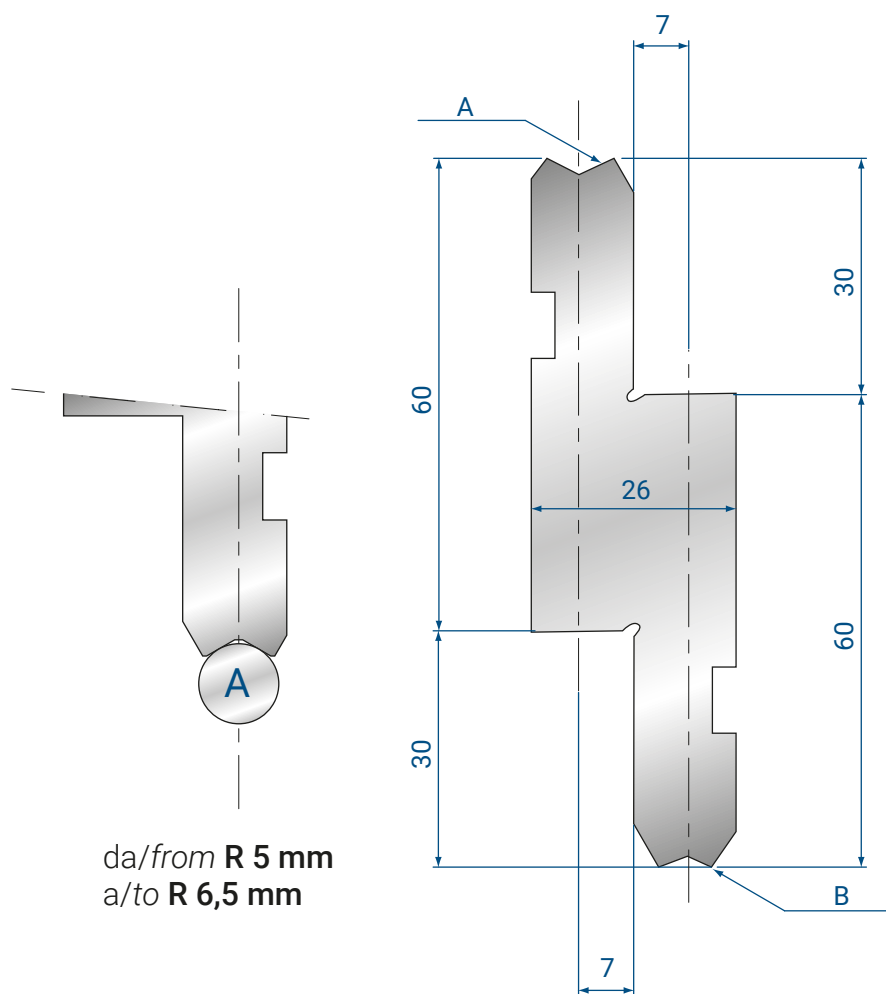
**1306**

EHT STYLE

Mat = C45

Max T/m = 80

|        |         |
|--------|---------|
| 830 mm | 28,6 kg |
| 410 mm | 14,1 kg |



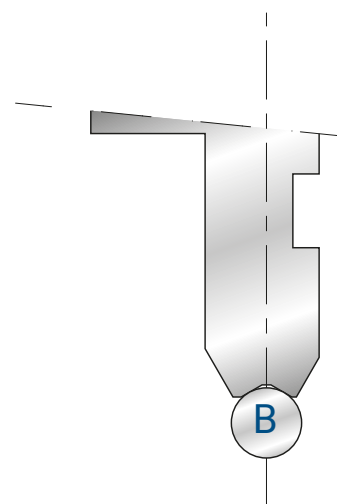
da/from **R 5 mm**  
a/to **R 6,5 mm**

**1155**

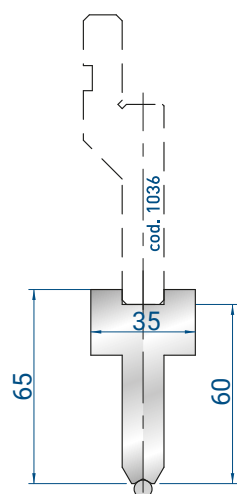
AMADA/PROMECAM STYLE

Mat = C45

|        |        |
|--------|--------|
| 830 mm | 9,4 kg |
| 410 mm | 4,6 kg |



da/from **R 3 mm**  
a/to **R 4,5 mm**



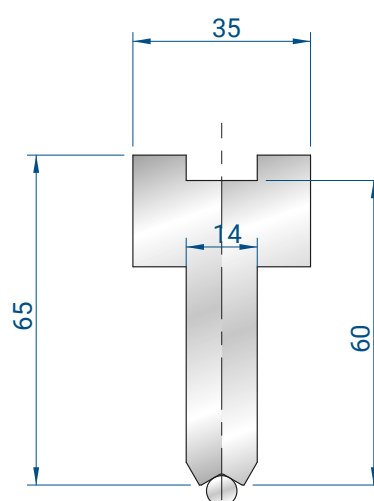
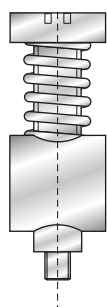
**1296**

da/from **R 3 mm**  
a/to **R 4,5 mm**

|        |        |
|--------|--------|
| 830 mm | 8,2 kg |
| 410 mm | 4,1 kg |

**4275**

PEZZO DI RICAMBIO  
SPARE PART



**1297**

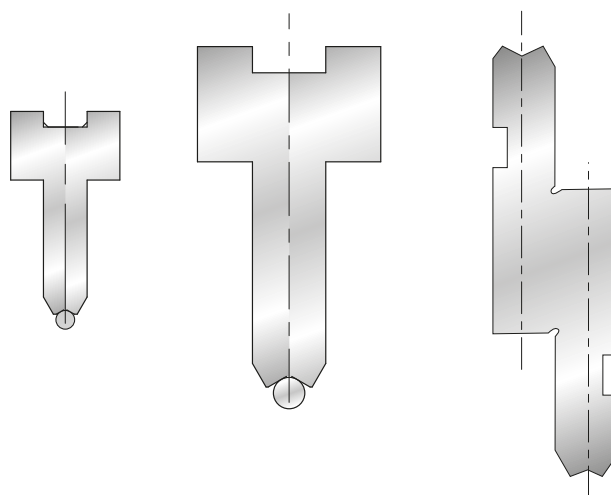
da/from **R 5 mm**  
a/to **R 6,5 mm**

|        |        |
|--------|--------|
| 830 mm | 8,2 kg |
| 410 mm | 4,1 kg |

# INSERTI RAGGIATI PICCOLI SMALL RADIUS INSERTS

SOLO PER SUPPORTI  
ONLY FOR HOLDERS

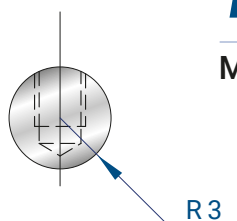
1155 - 1296 - 1297



**1180**

Mat = C45

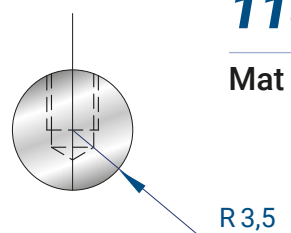
|        |        |
|--------|--------|
| 835 mm | 0,2 kg |
| 415 mm | 0,1 kg |



**1181**

Mat = C45

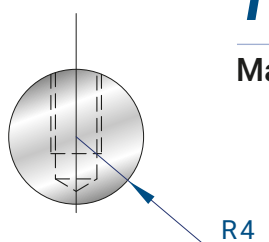
|        |        |
|--------|--------|
| 835 mm | 0,3 kg |
| 415 mm | 0,1 kg |



**1182**

Mat = C45

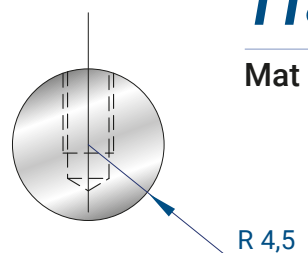
|        |        |
|--------|--------|
| 835 mm | 0,3 kg |
| 415 mm | 0,2 kg |



**1183**

Mat = C45

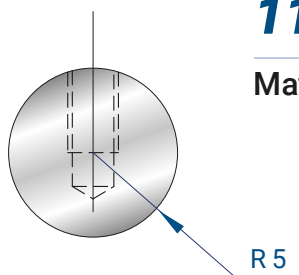
|        |        |
|--------|--------|
| 835 mm | 0,4 kg |
| 415 mm | 0,2 kg |



**1184**

Mat = C45

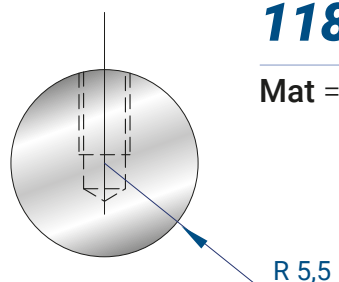
|        |        |
|--------|--------|
| 835 mm | 0,5 kg |
| 415 mm | 0,3 kg |



**1185**

Mat = C45

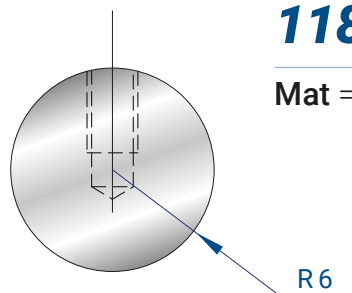
|        |        |
|--------|--------|
| 835 mm | 0,6 kg |
| 415 mm | 0,3 kg |



**1186**

Mat = C45

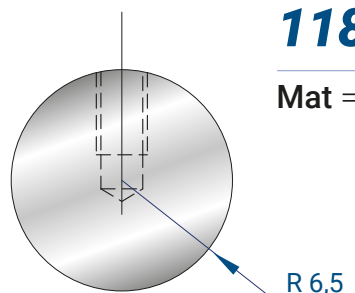
|        |        |
|--------|--------|
| 835 mm | 0,7 kg |
| 415 mm | 0,4 kg |



**1187**

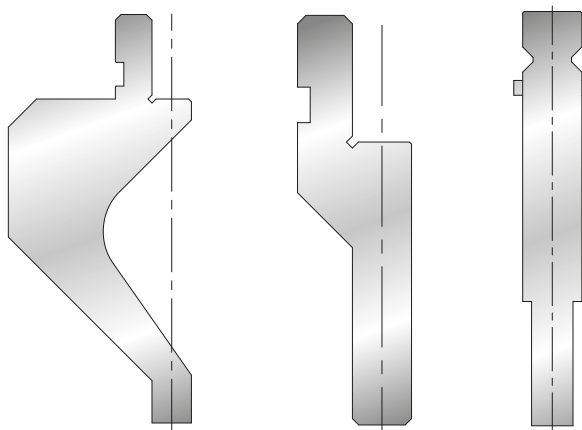
Mat = C45

|        |        |
|--------|--------|
| 835 mm | 0,9 kg |
| 415 mm | 0,4 kg |

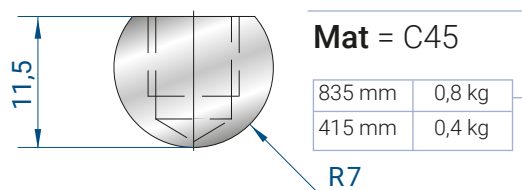


GAMMA SUPPORTI DISPONIBILI A PAG.  
AVAILABLE RANGE OF HOLDERS ON PAG.

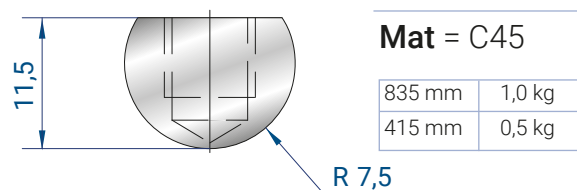
192; 193; 194



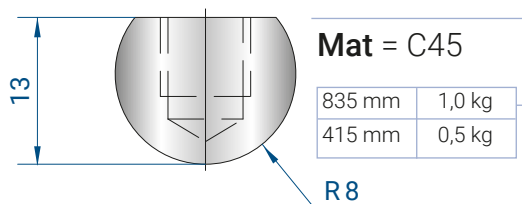
## 1100



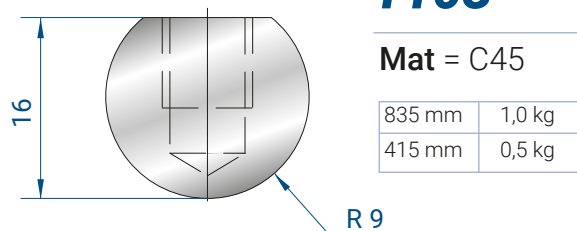
## 1101



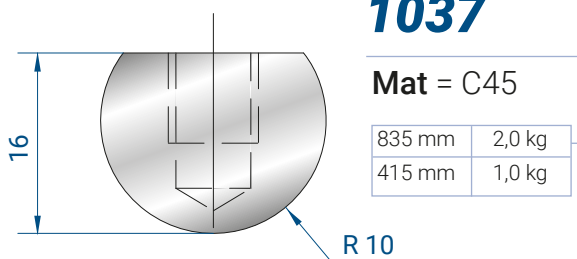
## 1102



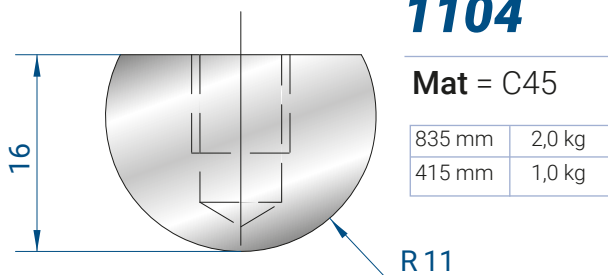
## 1103

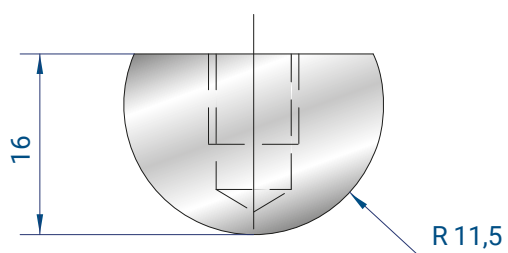


## 1037



## 1104

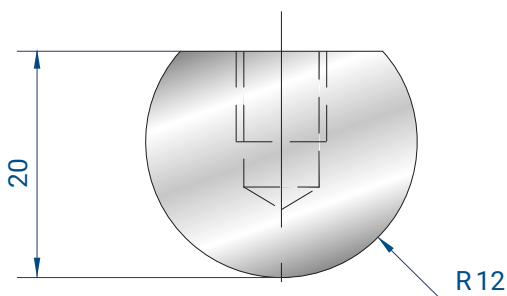




**1105**

Mat = C45

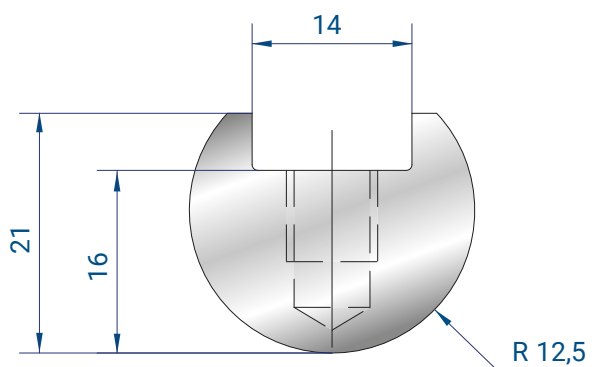
|        |        |
|--------|--------|
| 835 mm | 2,0 kg |
| 415 mm | 1,0 kg |



**1106**

Mat = C45

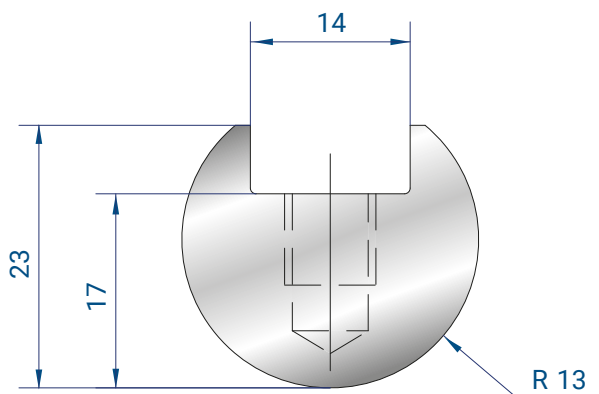
|        |        |
|--------|--------|
| 835 mm | 2,0 kg |
| 415 mm | 1,0 kg |



**1107**

Mat = C45

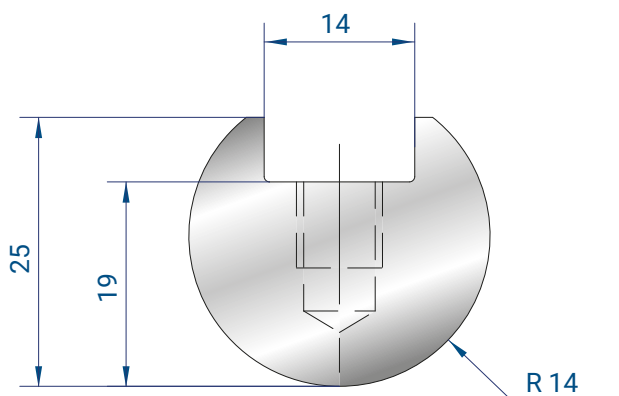
|        |        |
|--------|--------|
| 835 mm | 3,0 kg |
| 415 mm | 1,5 kg |



**1108**

Mat = C45

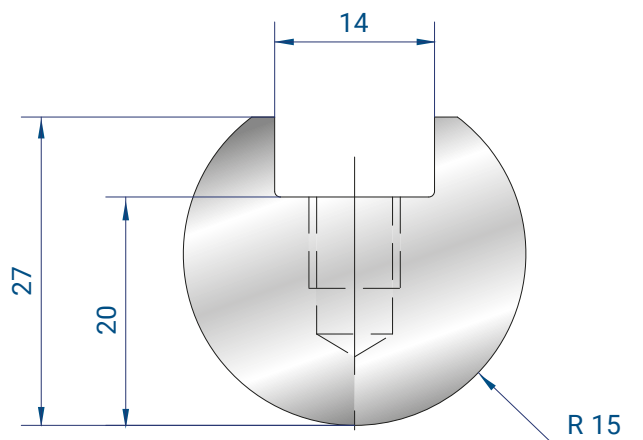
|        |        |
|--------|--------|
| 835 mm | 3,0 kg |
| 415 mm | 1,0 kg |



**1109**

Mat = C45

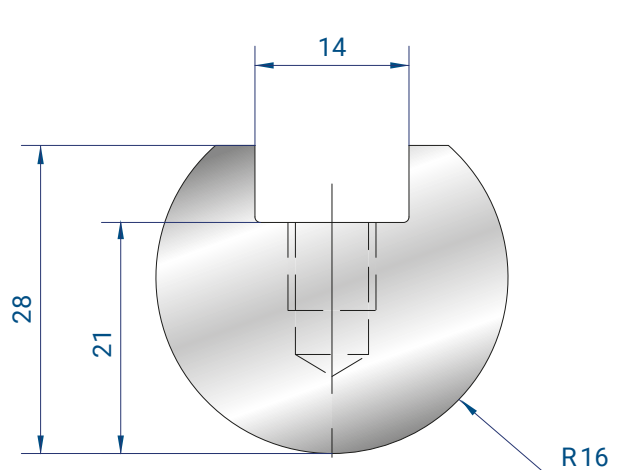
|        |        |
|--------|--------|
| 835 mm | 4,0 kg |
| 415 mm | 2,0 kg |



**1038**

Mat = C45

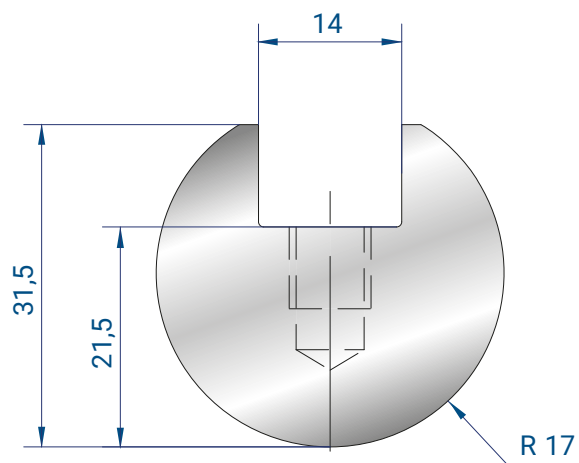
|        |        |
|--------|--------|
| 835 mm | 4,0 kg |
| 415 mm | 2,0 kg |



**1110**

Mat = C45

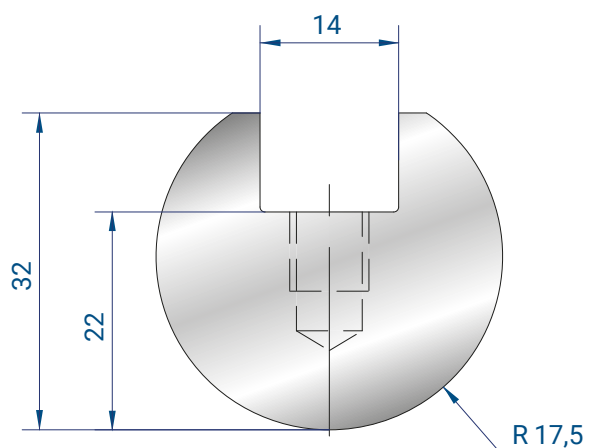
|        |        |
|--------|--------|
| 835 mm | 5,0 kg |
| 415 mm | 2,0 kg |



**1111**

Mat = C45

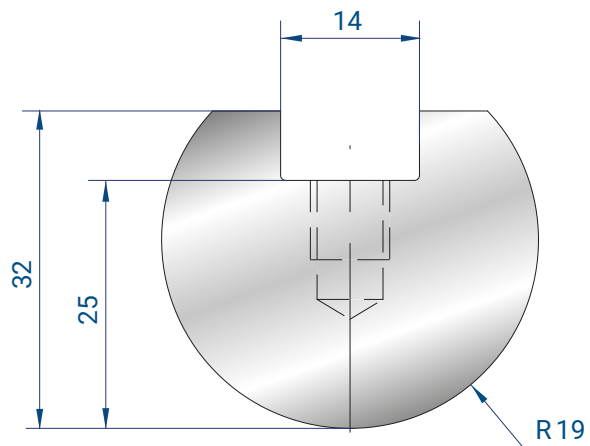
|        |        |
|--------|--------|
| 835 mm | 5,0 kg |
| 415 mm | 2,5 kg |



**1039**

Mat = C45

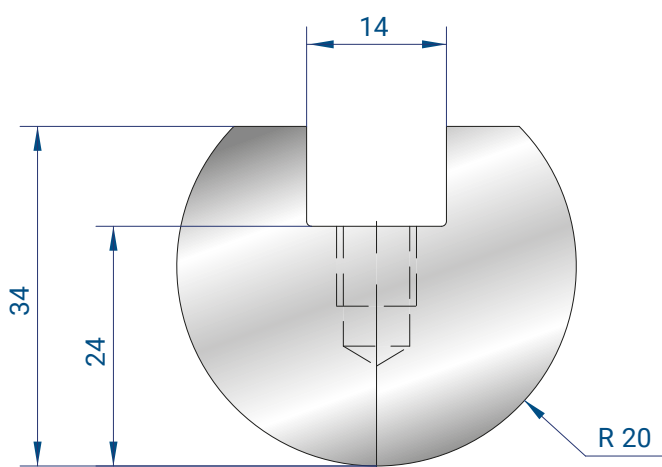
|        |        |
|--------|--------|
| 835 mm | 5,0 kg |
| 415 mm | 2,5 kg |



**1112**

Mat = C45

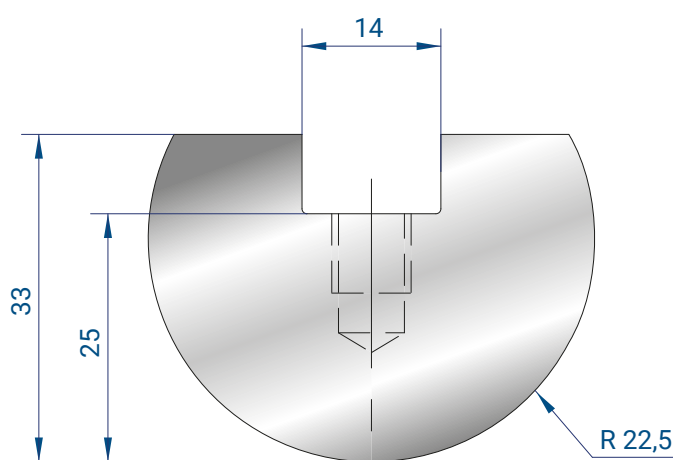
|        |        |
|--------|--------|
| 835 mm | 6,0 kg |
| 415 mm | 3,0 kg |



**1040**

Mat = C45

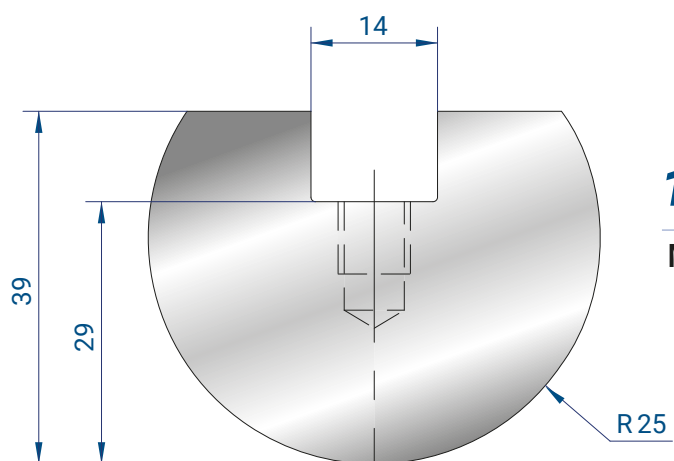
|        |        |
|--------|--------|
| 835 mm | 6,0 kg |
| 415 mm | 3,0 kg |



**1113**

Mat = C45

|        |        |
|--------|--------|
| 835 mm | 8,0 kg |
| 415 mm | 4,0 kg |



**1041**

Mat = C45

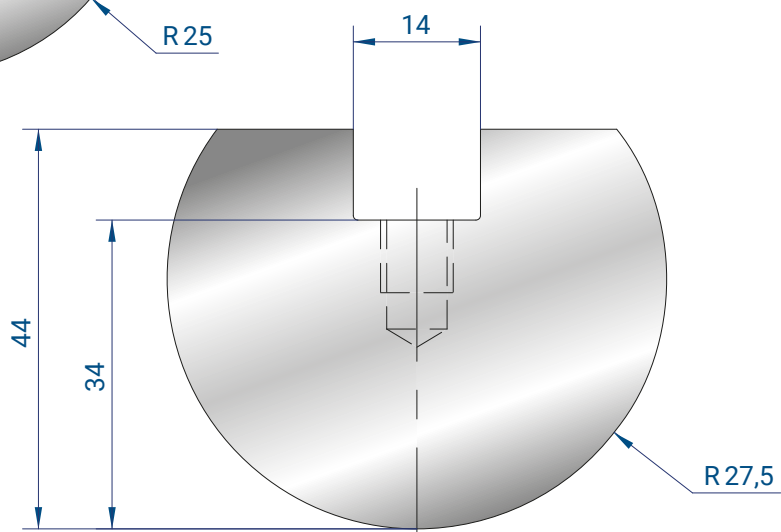
|        |        |
|--------|--------|
| 835 mm | 9,0 kg |
| 415 mm | 4,0 kg |



**1114**

Mat = C45

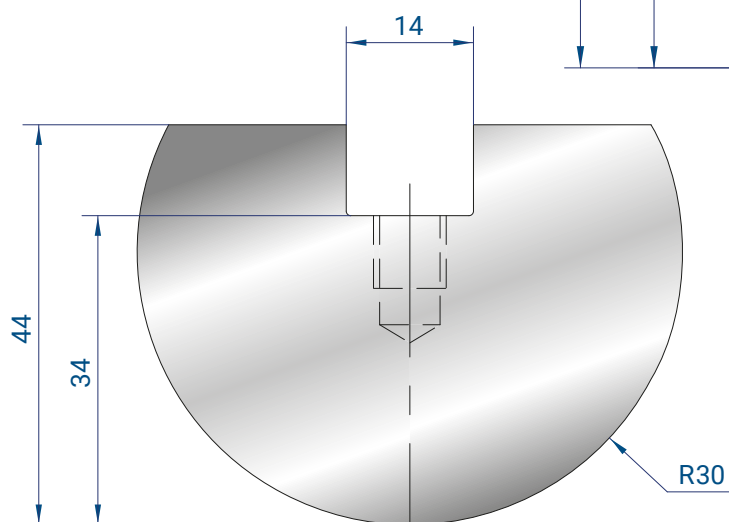
|        |         |
|--------|---------|
| 835 mm | 12,0 kg |
| 415 mm | 6,0 kg  |



**1042**

Mat = C45

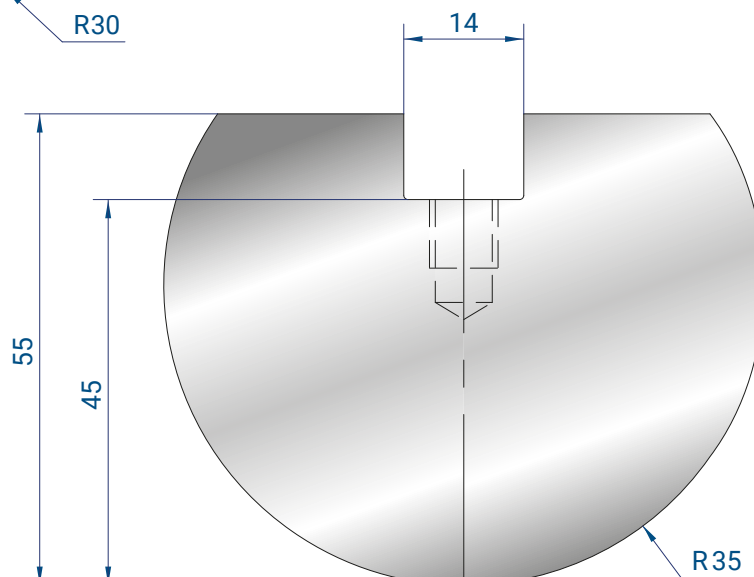
|        |         |
|--------|---------|
| 835 mm | 13,0 kg |
| 415 mm | 6,0 kg  |

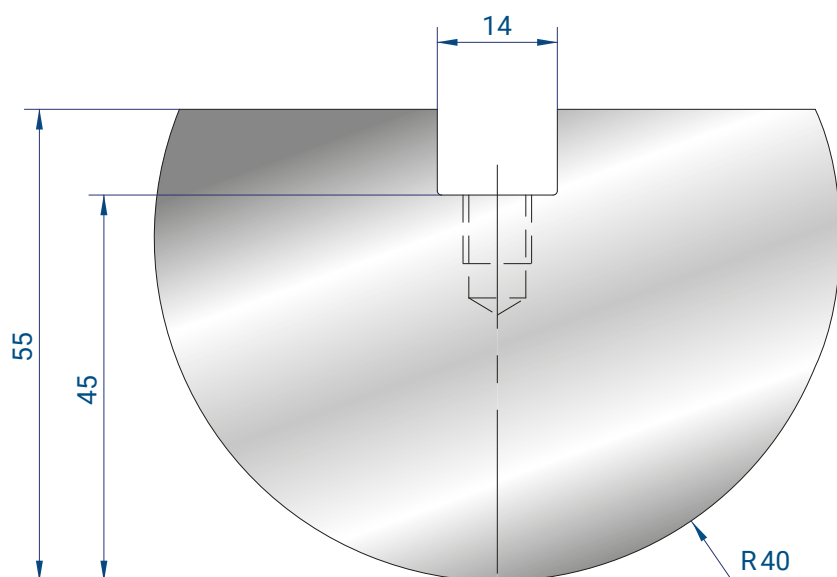


**1115**

Mat = C45

|        |         |
|--------|---------|
| 835 mm | 21,0 kg |
| 415 mm | 10,0 kg |





**1116**

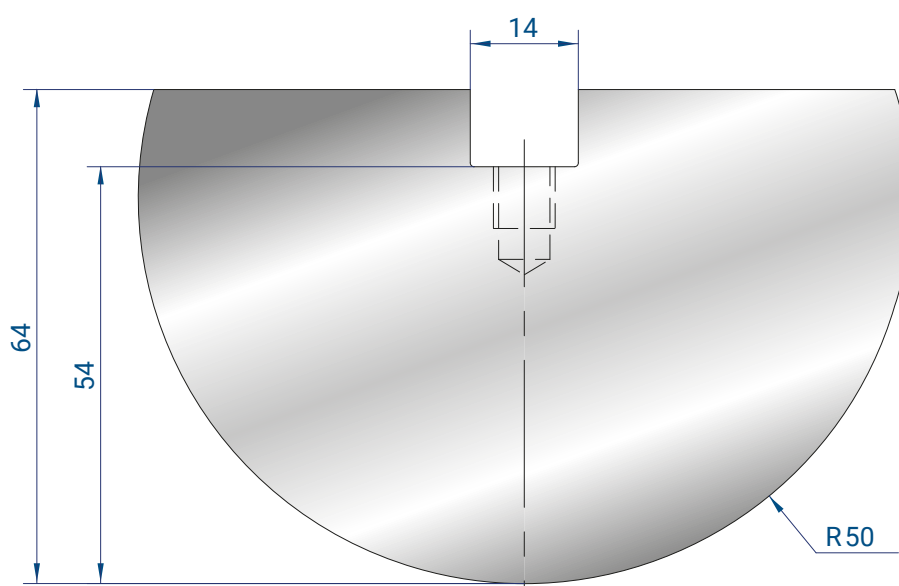
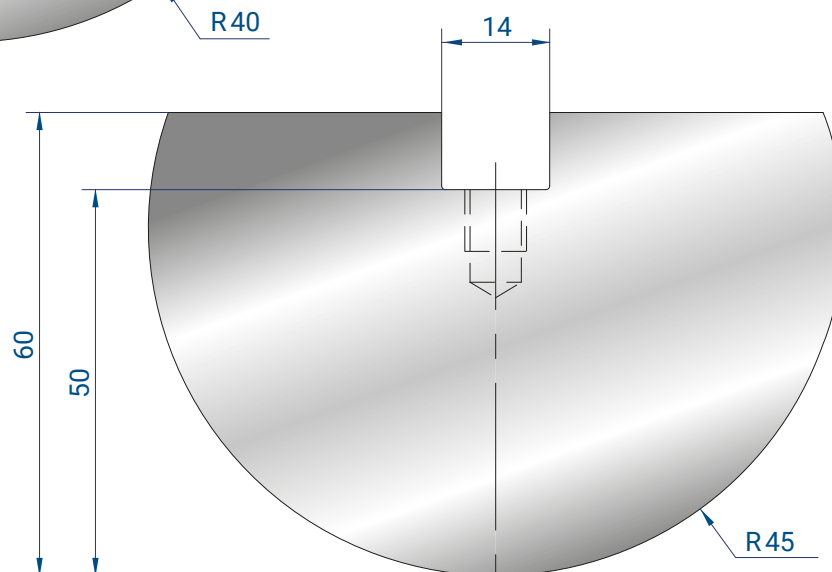
Mat = C45

|        |         |
|--------|---------|
| 835 mm | 24,0 kg |
| 415 mm | 12,0 kg |

**1117**

Mat = C45

|        |         |
|--------|---------|
| 835 mm | 29,0 kg |
| 415 mm | 14,0 kg |

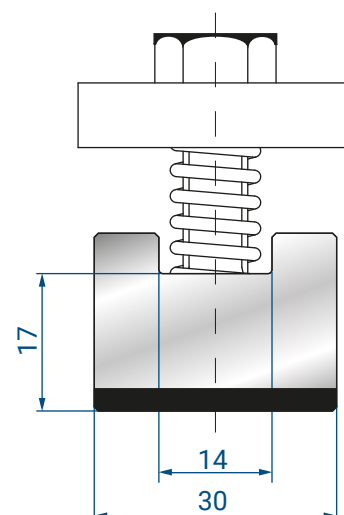


**1118**

Mat = C45

|        |         |
|--------|---------|
| 835 mm | 34,0 kg |
| 415 mm | 17,0 kg |

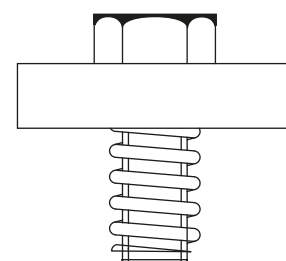
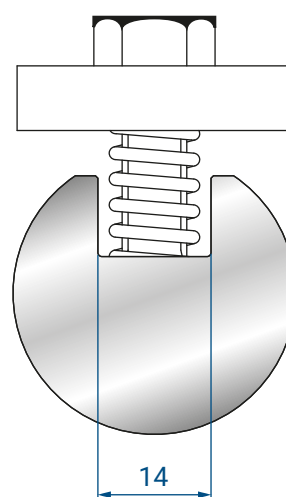
# INSERTI QUADRI E ACCESSORI FLATTENING INSERTS AND ACCESSORIES



**1043**

**Mat = C45**

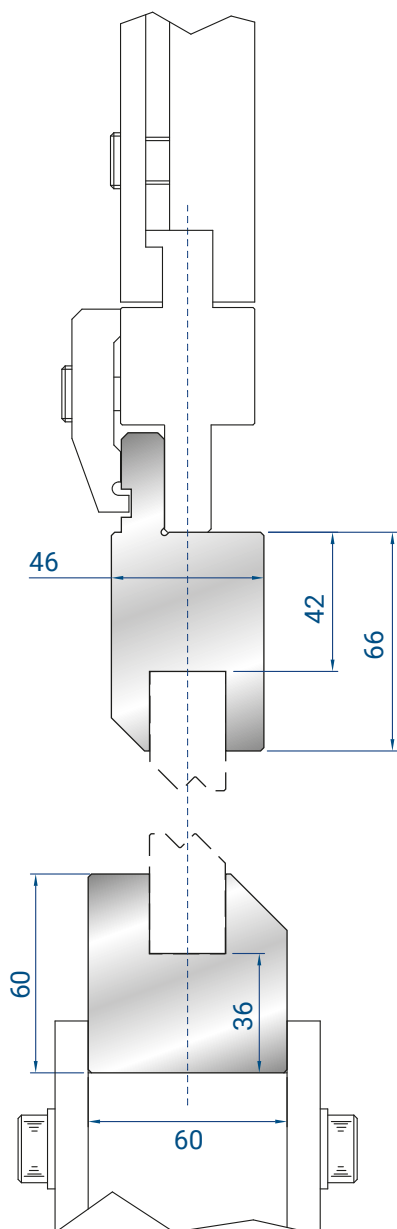
|        |        |
|--------|--------|
| 835 mm | 3,8 kg |
| 415 mm | 1,9 kg |



**4274**

**Mat = C45**

**MOLLA + VITE + PIASTRINA**  
**SPRING + SCREW + PLATE**

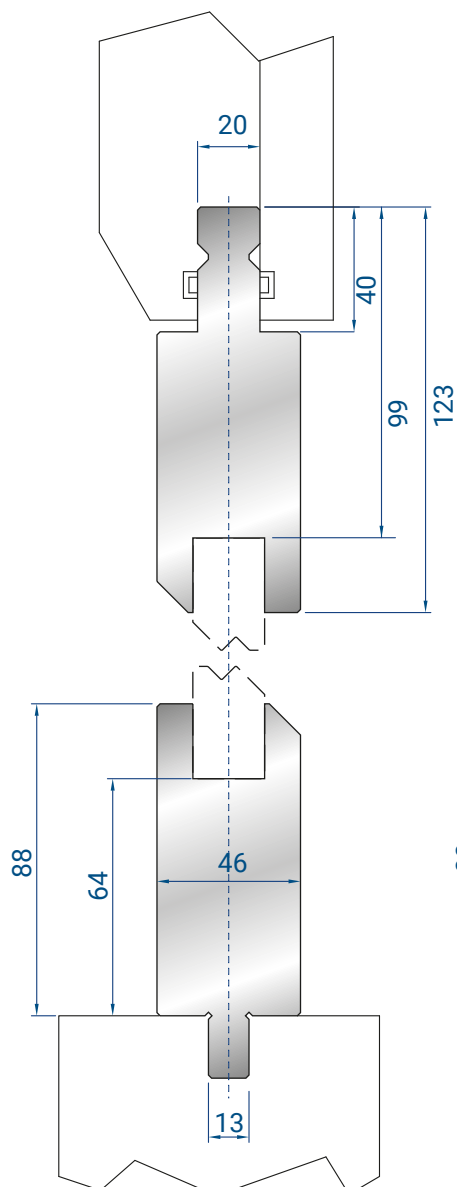


**1150**

AMADA /  
PROMECAM  
STYLE

Mat = C45

|        |         |
|--------|---------|
| 835 mm | 37,1 kg |
| 415 mm | 18,4 kg |

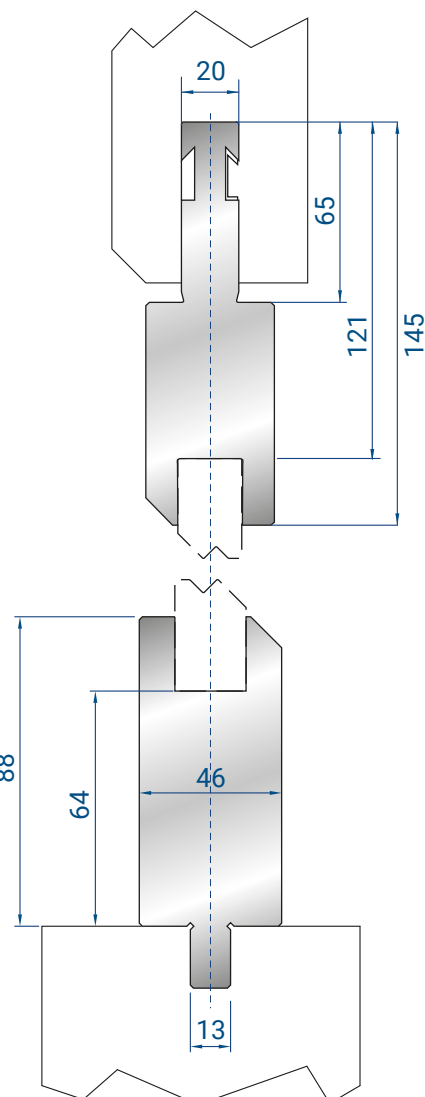


**1242**

TRUMPF /WILA  
STYLE

Mat = C45

|        |         |
|--------|---------|
| 835 mm | 50,0 kg |
| 415 mm | 24,9 kg |



**1198**

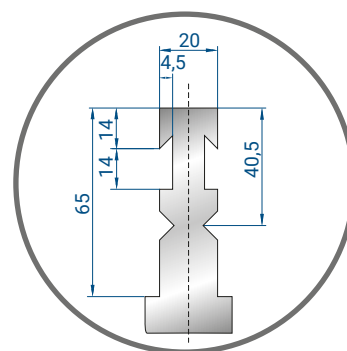
BYSTRONIC  
STYLE

Mat = C45

|        |         |
|--------|---------|
| 835 mm | 51,7 kg |
| 415 mm | 25,7 kg |

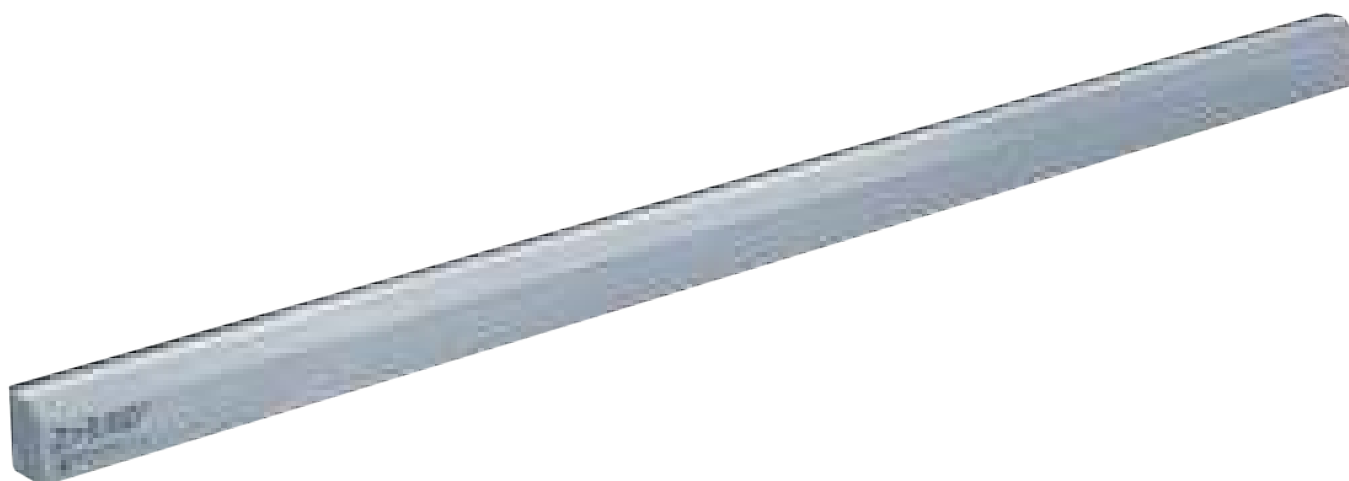
ATTACCO / UPPER TANG RF-A

INCLUSO SU RICHIESTA  
AVAILABLE ON DEMAND  
AT NO COST

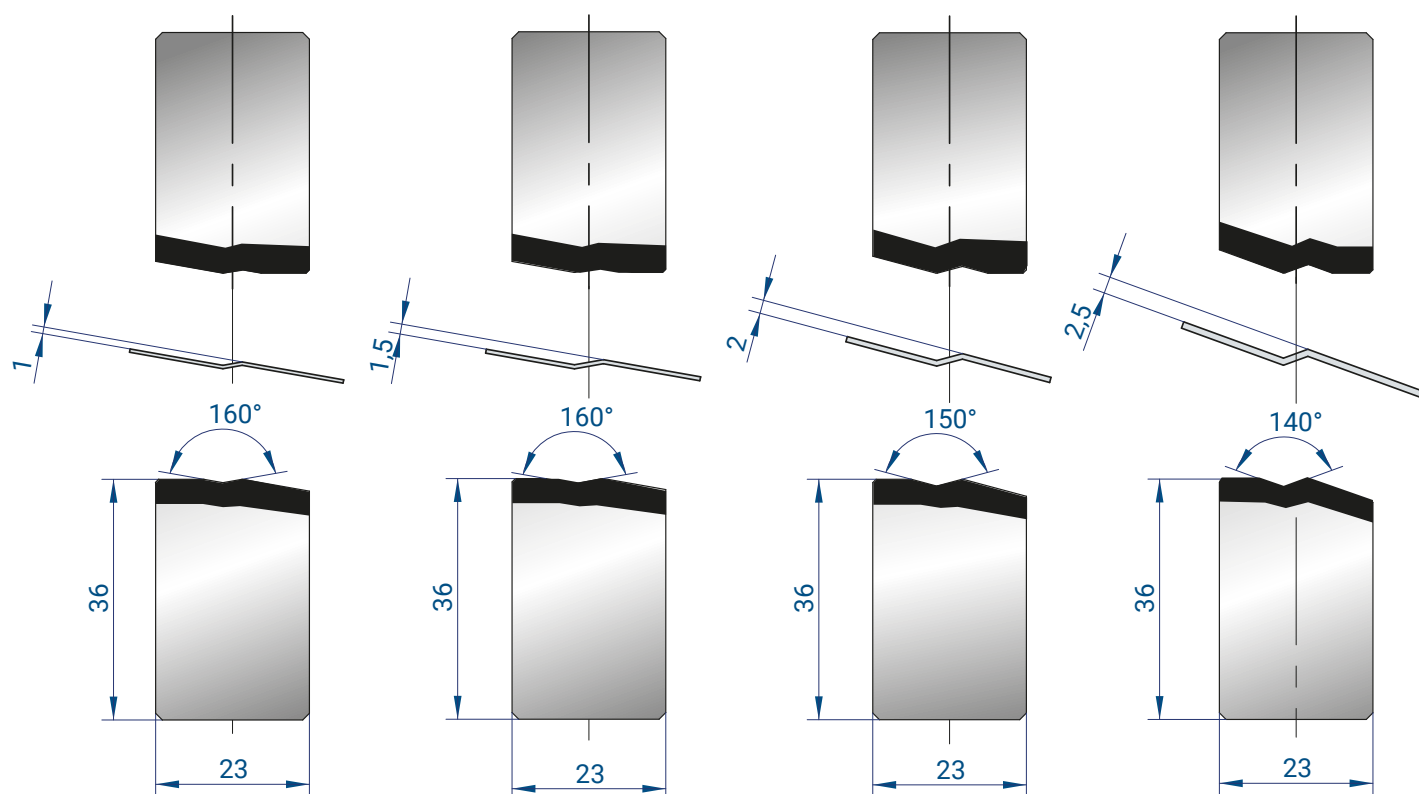


# TABELLA INSERTI A Z / OFFSET TOOL HOLDERS

| CODE        | Z   | GRADI<br>DEGREES | SPESSORE MAX. LAMIERA<br>MAX SHEET THICKNESS |
|-------------|-----|------------------|----------------------------------------------|
| <b>1130</b> | 1   | 160°             | 0,5 mm                                       |
| <b>1276</b> | 1   | 90°              | 0,5 mm                                       |
| <b>1131</b> | 1,5 | 160°             | 0,6 mm                                       |
| <b>1277</b> | 1,5 | 90°              | 0,6 mm                                       |
| <b>1132</b> | 2   | 150°             | 0,8 mm                                       |
| <b>1274</b> | 2   | 90°              | 0,8 mm                                       |
| <b>1133</b> | 2,5 | 140°             | 1,0 mm                                       |
| <b>1275</b> | 2,5 | 90°              | 1,0 mm                                       |
| <b>1134</b> | 3   | 90°              | 1,0 mm                                       |
| <b>1135</b> | 3,5 | 90°              | 1,2 mm                                       |
| <b>1136</b> | 4   | 90°              | 1,2 mm                                       |
| <b>1137</b> | 4,5 | 90°              | 1,5 mm                                       |
| <b>1138</b> | 5   | 90°              | 1,5 mm                                       |
| <b>1139</b> | 5,5 | 90°              | 1,5 mm                                       |
| <b>1140</b> | 6   | 90°              | 1,5 mm                                       |
| <b>1141</b> | 6,5 | 90°              | 1,5 mm                                       |
| <b>1142</b> | 7   | 90°              | 2,0 mm                                       |
| <b>1143</b> | 7,5 | 90°              | 2,0 mm                                       |
| <b>1144</b> | 8   | 90°              | 2,5 mm                                       |
| <b>1145</b> | 9   | 90°              | 2,5 mm                                       |
| <b>1146</b> | 10  | 90°              | 3,0 mm                                       |
| <b>1147</b> | 11  | 90°              | 3,0 mm                                       |
| <b>1148</b> | 12  | 90°              | 3,0 mm                                       |
| <b>1278</b> | 13  | 90°              | 3,0 mm                                       |
| <b>1279</b> | 14  | 90°              | 3,0 mm                                       |
| <b>1280</b> | 15  | 90°              | 3,0 mm                                       |



INSERTI A Z - 140° - 150° - 160°  
OFFSET TOOL - 140° - 150° - 160°



### 1130

160°  
Mat = C45

|        |         |
|--------|---------|
| 835 mm | 10,7 kg |
| 415 mm | 5,3 kg  |

### 1131

160°  
Mat = C45

|        |         |
|--------|---------|
| 835 mm | 10,7 kg |
| 415 mm | 5,3 kg  |

### 1132

150°  
Mat = C45

|        |         |
|--------|---------|
| 835 mm | 10,6 kg |
| 415 mm | 5,3 kg  |

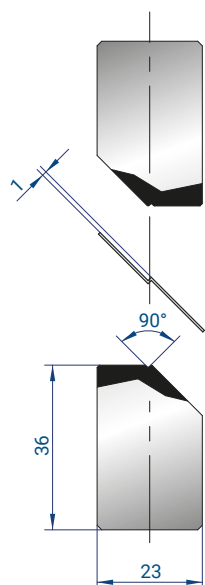
### 1133

140°  
Mat = C45

|        |         |
|--------|---------|
| 835 mm | 10,5 kg |
| 415 mm | 5,2 kg  |

PER VERIFICARE LA FATTIBILITÀ DELLA PIEGA IN BASE ALLO SPESSORE LAMIERA, VEDI TABELLA PAGINA 204  
TO CHOOSE THE RIGHT JOOGLE TOOL BASED ON THE SHEET THICKNESS, PLEASE SEE THE CHART ON PAGE 204



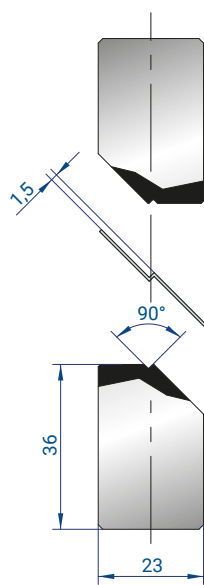


**1276**

90°

Mat = C45

|        |         |
|--------|---------|
| 835 mm | 10,0 kg |
| 415 mm | 5,0 kg  |

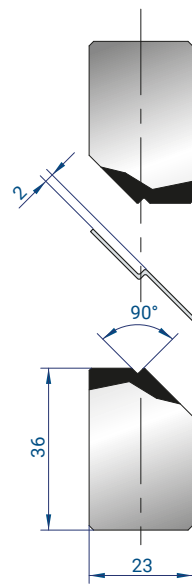


**1277**

90°

Mat = C45

|        |         |
|--------|---------|
| 835 mm | 10,0 kg |
| 415 mm | 5,0 kg  |

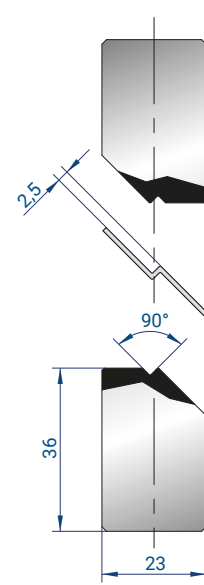


**1274**

90°

Mat = C45

|        |         |
|--------|---------|
| 835 mm | 10,0 kg |
| 415 mm | 5,0 kg  |

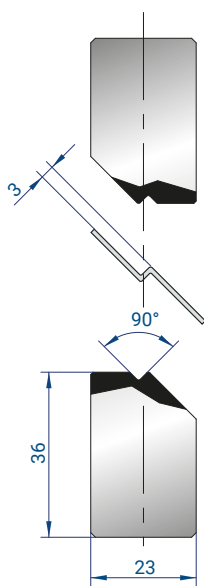


**1275**

90°

Mat = C45

|        |         |
|--------|---------|
| 835 mm | 10,1 kg |
| 415 mm | 5,0 kg  |

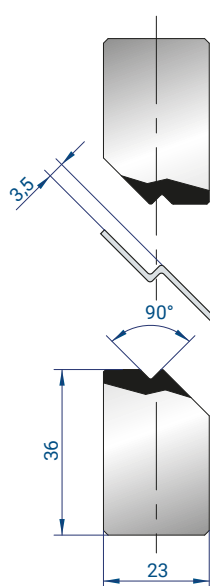


**1134**

90°

Mat = C45

|        |         |
|--------|---------|
| 835 mm | 10,1 kg |
| 415 mm | 5,0 kg  |

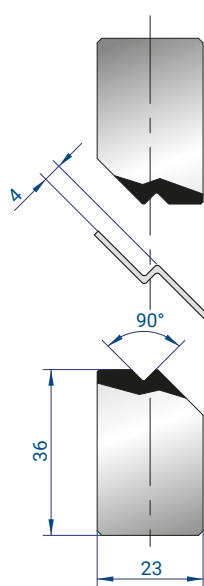


**1135**

90°

Mat = C45

|        |         |
|--------|---------|
| 835 mm | 10,1 kg |
| 415 mm | 5,0 kg  |

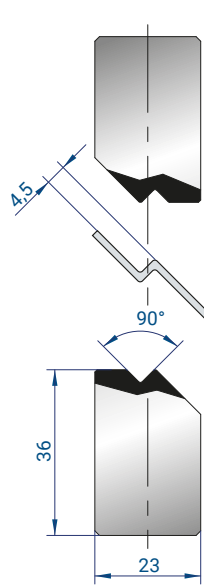


**1136**

90°

Mat = C45

|        |         |
|--------|---------|
| 835 mm | 10,1 kg |
| 415 mm | 5,0 kg  |



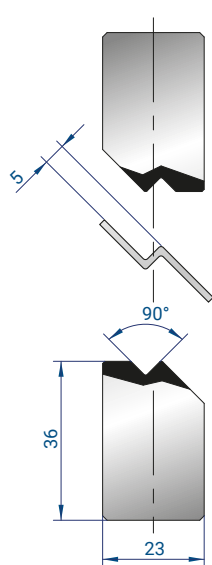
**1137**

90°

Mat = C45

|        |         |
|--------|---------|
| 835 mm | 10,1 kg |
| 415 mm | 5,0 kg  |

PER VERIFICARE LA FATTIBILITÀ DELLA PIEGA IN BASE ALLO SPESSORE LAMIERA, VEDI TABELLA PAGINA 204  
TO CHOOSE THE RIGHT JOOGLE TOOL BASED ON THE SHEET THICKNESS, PLEASE SEE THE CHART ON PAGE 204

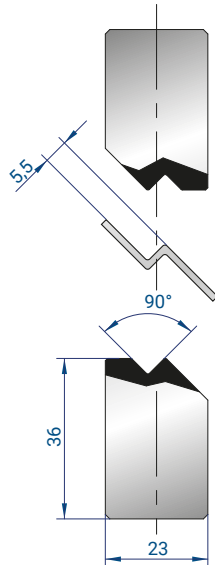


**1138**

90°

**Mat = C45**

|        |         |
|--------|---------|
| 835 mm | 10,1 kg |
| 415 mm | 5,0 kg  |

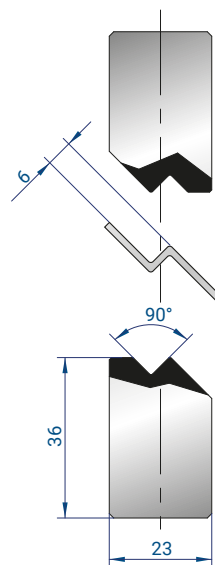


**1139**

90°

**Mat = C45**

|        |         |
|--------|---------|
| 835 mm | 10,1 kg |
| 415 mm | 5,0 kg  |

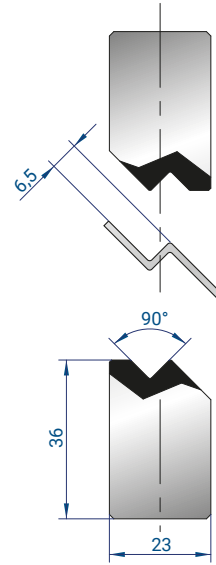


**1140**

90°

**Mat = C45**

|        |         |
|--------|---------|
| 835 mm | 10,1 kg |
| 415 mm | 5,0 kg  |



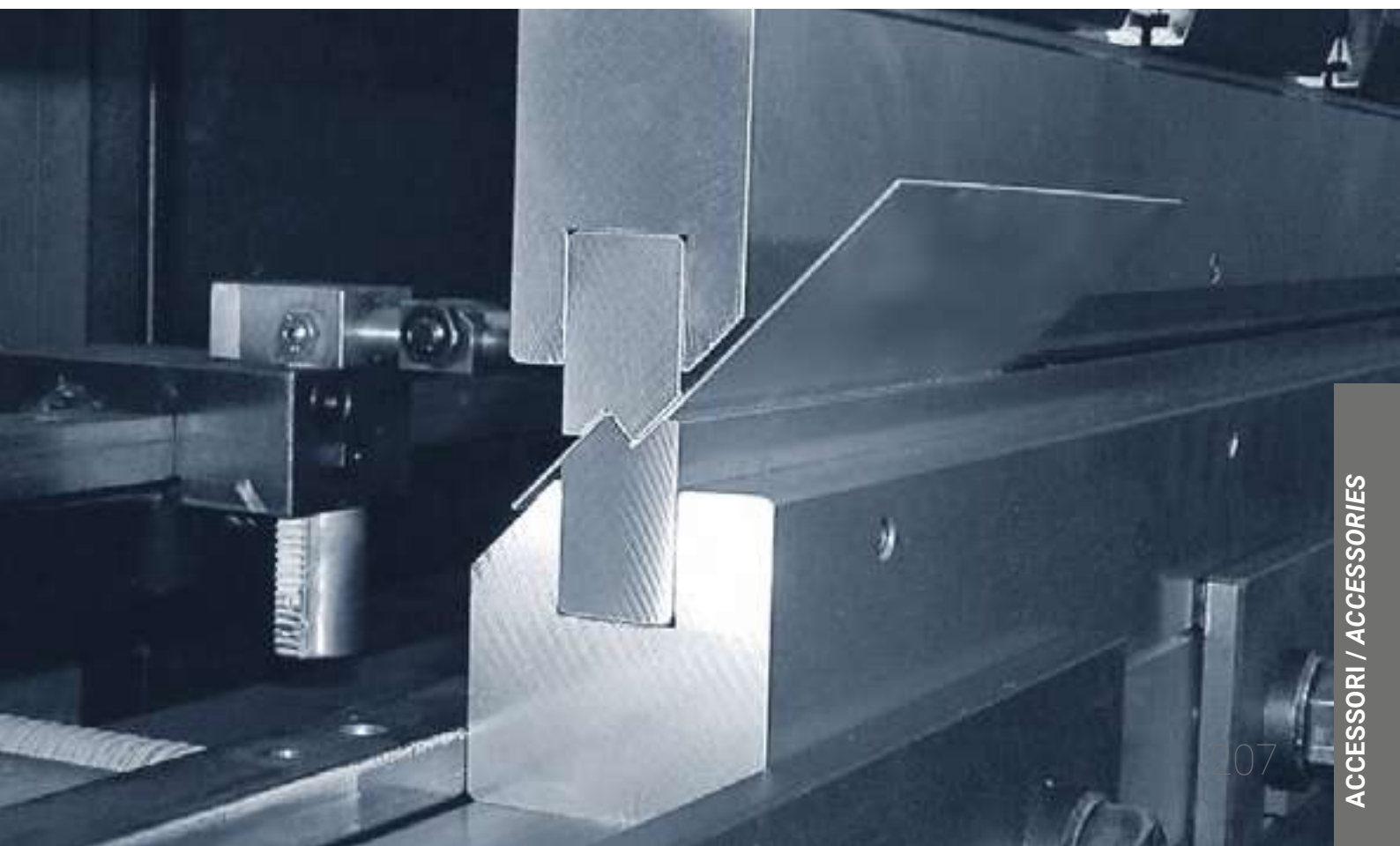
**1141**

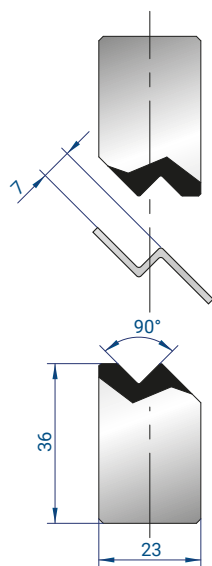
90°

**Mat = C45**

|        |         |
|--------|---------|
| 835 mm | 10,0 kg |
| 415 mm | 5,0 kg  |

PER VERIFICARE LA FATTIBILITÀ DELLA PIEGA IN BASE ALLO SPESSORE LAMIERA, VEDI TABELLA PAGINA 204  
TO CHOOSE THE RIGHT JOOGLE TOOL BASED ON THE SHEET THICKNESS, PLEASE SEE THE CHART ON PAGE 204



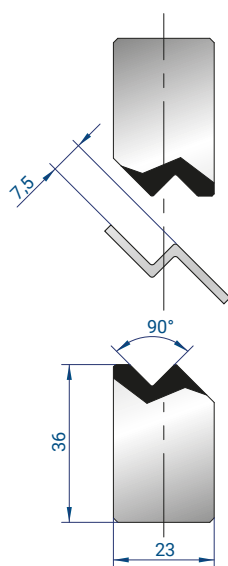


**1142**

90°

**Mat = C45**

|        |         |
|--------|---------|
| 835 mm | 10,0 kg |
| 415 mm | 5,0 kg  |

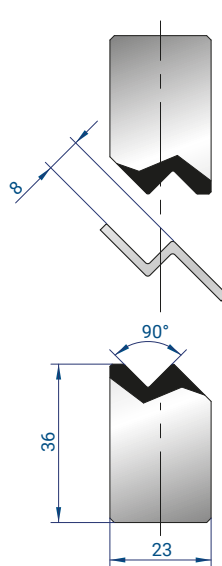


**1143**

90°

**Mat = C45**

|        |         |
|--------|---------|
| 835 mm | 10,0 kg |
| 415 mm | 5,0 kg  |

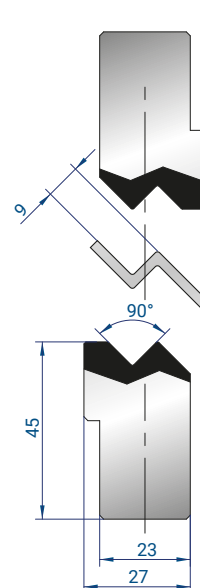


**1144**

90°

**Mat = C45**

|        |         |
|--------|---------|
| 835 mm | 10,0 kg |
| 415 mm | 5,0 kg  |

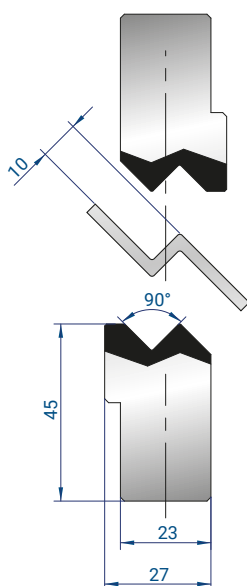


**1145**

90°

**Mat = C45**

|        |         |
|--------|---------|
| 835 mm | 13,6 kg |
| 415 mm | 6,8 kg  |

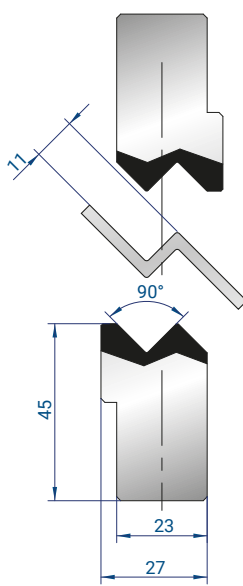


**1146**

90°

**Mat = C45**

|        |         |
|--------|---------|
| 835 mm | 13,6 kg |
| 415 mm | 6,7 kg  |

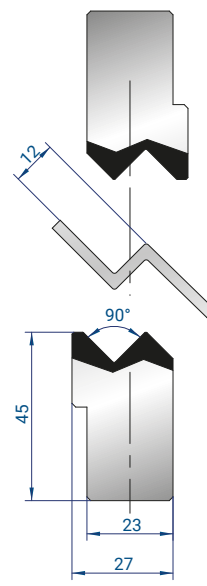


**1147**

90°

**Mat = C45**

|        |         |
|--------|---------|
| 835 mm | 13,5 kg |
| 415 mm | 6,7 kg  |



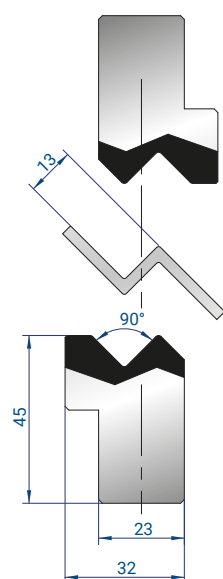
**1148**

90°

**Mat = C45**

|        |         |
|--------|---------|
| 835 mm | 13,3 kg |
| 415 mm | 6,6 kg  |

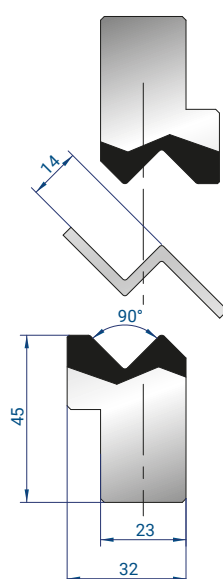
PER VERIFICARE LA FATTIBILITÀ DELLA PIEGA IN BASE ALLO SPESSORE LAMIERA, VEDI TABELLA PAGINA 204  
TO CHOOSE THE RIGHT JOGGLE TOOL BASED ON THE SHEET THICKNESS, PLEASE SEE THE CHART ON PAGE 204



**1278**

90°  
Mat = C45

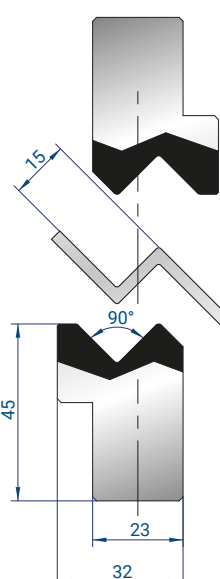
|        |         |
|--------|---------|
| 835 mm | 14,6 kg |
| 415 mm | 7,3 kg  |



**1279**

90°  
Mat = C45

|        |         |
|--------|---------|
| 835 mm | 14,5 kg |
| 415 mm | 7,3 kg  |

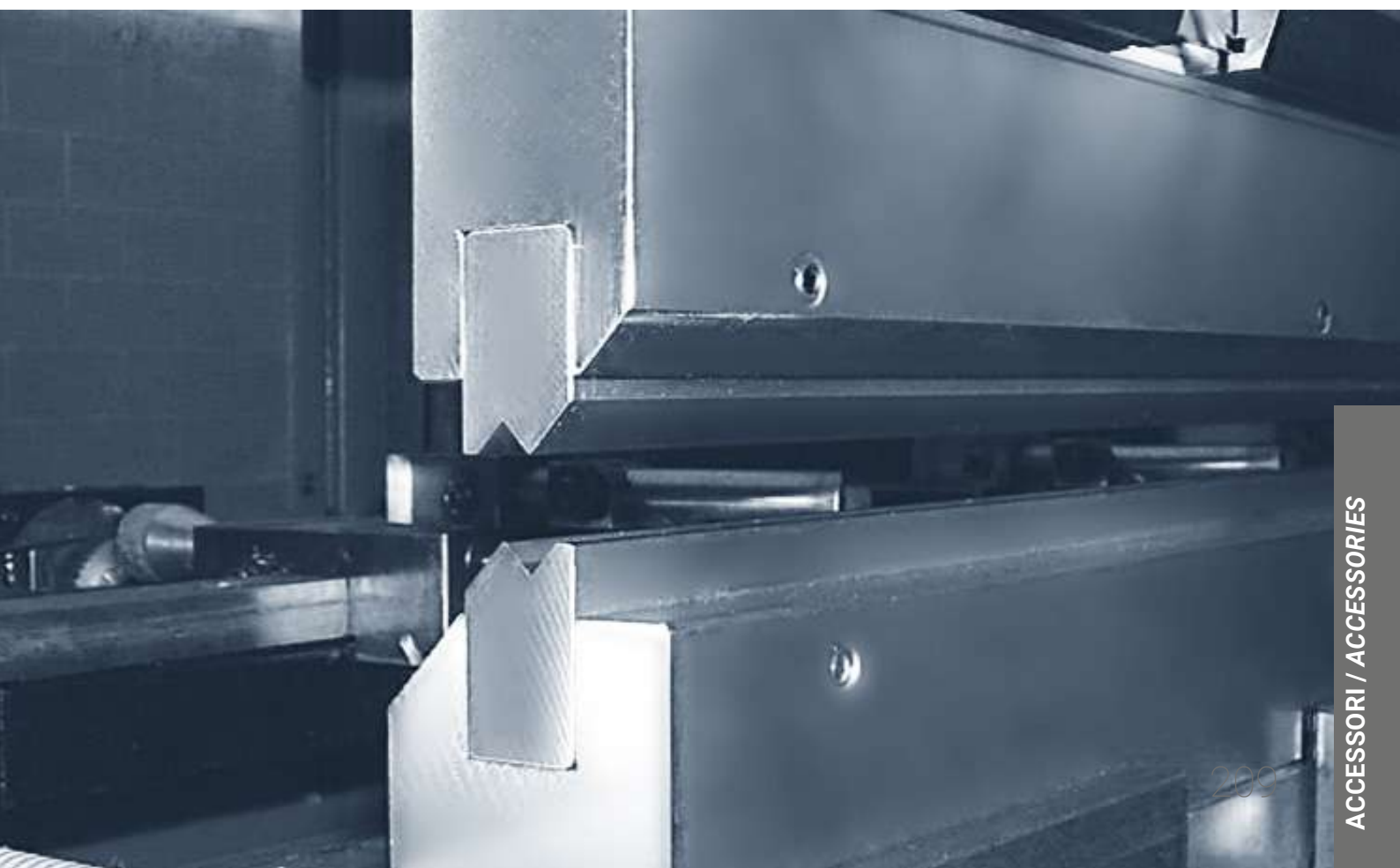


**1280**

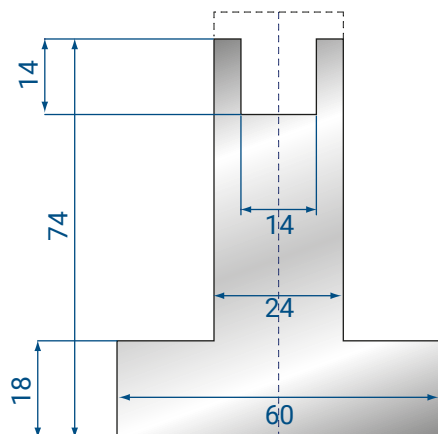
90°  
Mat = C45

|        |         |
|--------|---------|
| 835 mm | 14,3 kg |
| 415 mm | 7,1 kg  |

PER VERIFICARE LA FATTIBILITÀ DELLA PIEGA IN BASE ALLO SPESSORE LAMIERA, VEDI TABELLA PAGINA 204  
TO CHOOSE THE RIGHT JOOGLE TOOL BASED ON THE SHEET THICKNESS, PLEASE SEE THE CHART ON PAGE 204



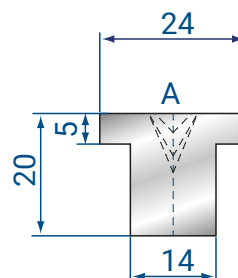
# CONTENITORI E INSERTI IN NYLON NYLON INSERTS AND HOLDER



## 2109

AMADA STYLE

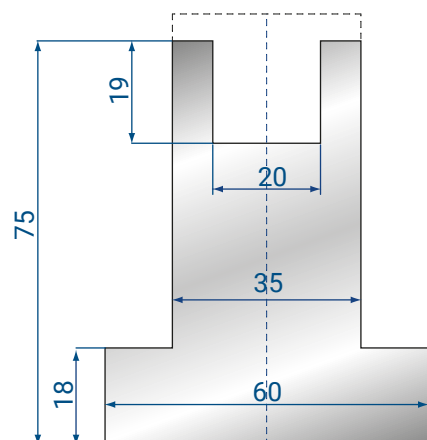
|        |         |
|--------|---------|
| 835 mm | 14,5 kg |
| 415 mm | 7,2 kg  |



## 2112

|        |        |
|--------|--------|
| 835 mm | 0,3 kg |
| 415 mm | 0,2 kg |

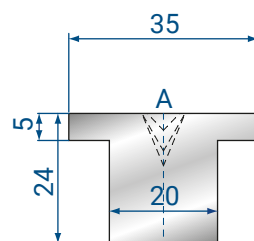
| A   | V |   |    |
|-----|---|---|----|
| 88° | 6 | 8 | 10 |
| 60° | 6 | 8 | 10 |
| 45° | 6 | 8 | 10 |
| 30° | 6 | 8 |    |



## 2110

AMADA STYLE

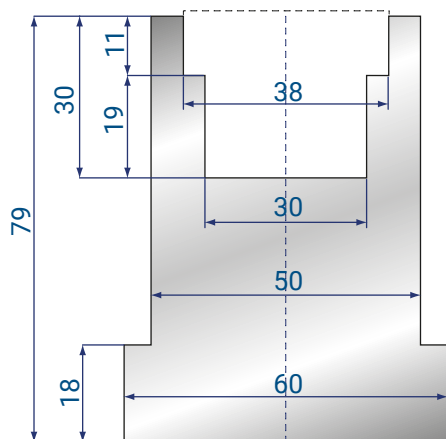
|        |         |
|--------|---------|
| 835 mm | 17,6 kg |
| 415 mm | 8,7 kg  |



## 2113

|        |        |
|--------|--------|
| 835 mm | 0,6 kg |
| 415 mm | 0,3 kg |

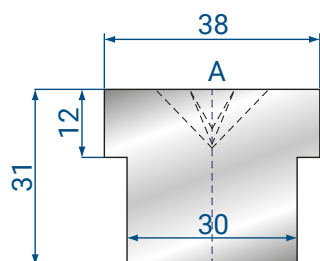
| A   | V |   |    |    |    |
|-----|---|---|----|----|----|
| 88° | 6 | 8 | 10 | 12 | 16 |
| 60° | 6 | 8 | 10 | 12 | 16 |
| 45° | 6 | 8 | 10 | 12 |    |
| 30° | 6 | 8 | 10 |    |    |



## 2111

AMADA STYLE

|        |         |
|--------|---------|
| 835 mm | 20,5 kg |
| 415 mm | 10,2 kg |



## 2114

|        |        |
|--------|--------|
| 835 mm | 1,0 kg |
| 415 mm | 0,5 kg |

| A   | V |   |    |    |    |    |    |
|-----|---|---|----|----|----|----|----|
| 88° | 6 | 8 | 10 | 12 | 16 | 20 | 25 |
| 60° | 6 | 8 | 10 | 12 | 16 | 20 |    |
| 45° | 6 | 8 | 10 | 12 | 16 | 20 |    |
| 30° | 6 | 8 | 10 | 12 | 16 |    |    |

## 2115

BYSTRONIC  
TRUMPF WILA  
STYLE

H = 50

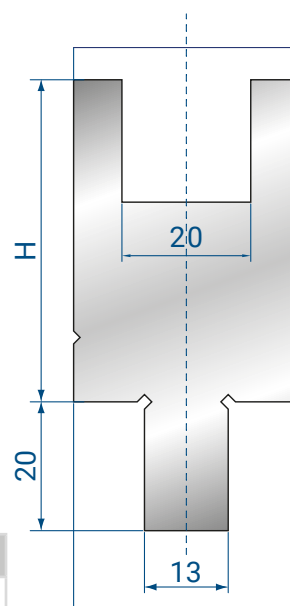
|        |         |
|--------|---------|
| 835 mm | 10,6 kg |
| 415 mm | 5,3 kg  |

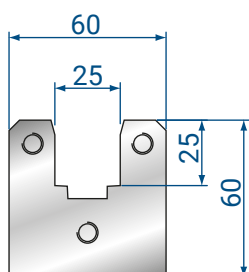
## 2116

BYSTRONIC  
TRUMPF WILA  
STYLE

H = 95

|        |         |
|--------|---------|
| 835 mm | 20,9 kg |
| 415 mm | 10,4 kg |

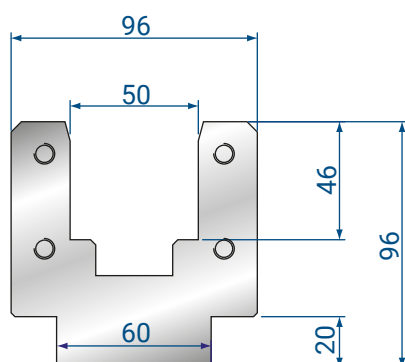




**2036**

AMADA STYLE

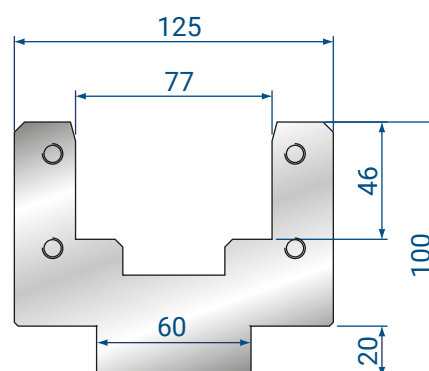
|        |         |
|--------|---------|
| 835 mm | 19,3 kg |
| 415 mm | 9,8 kg  |



**2037**

AMADA STYLE

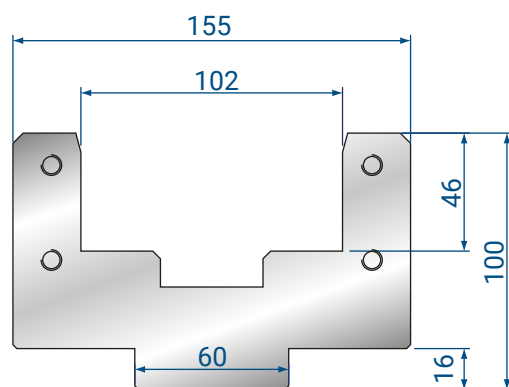
|        |         |
|--------|---------|
| 835 mm | 37,0 kg |
| 415 mm | 18,0 kg |



**2038**

AMADA STYLE

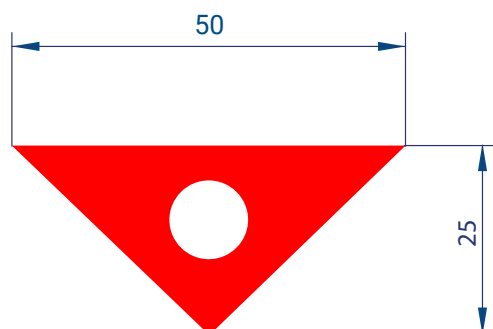
|        |         |
|--------|---------|
| 835 mm | 45,0 kg |
| 415 mm | 22,0 kg |



**2040**

AMADA STYLE

|        |         |
|--------|---------|
| 835 mm | 55,0 kg |
| 415 mm | 27,0 kg |

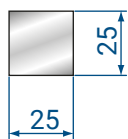


**2119**

**Mat** = Inserto in  
poliuretano  
triangolare forato/  
*Perforated triangular  
polyurethane insert*  
**H** = 25.00  
**v** = 50.00

|        |        |
|--------|--------|
| 835 mm | 0,6 kg |
| 415 mm | 0,3 kg |

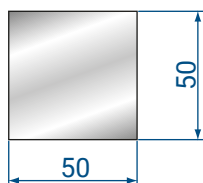
# CONTENITORI E INSERTI IN POLIURETANO POLYURETHANE INSERTS AND HOLDER



**2101**

92 SHORE

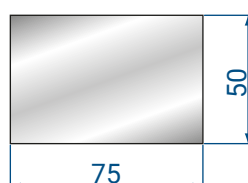
|        |        |
|--------|--------|
| 835 mm | 0,5 kg |
| 415 mm | 0,3 kg |



**2102**

92 SHORE

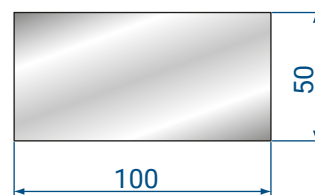
|        |        |
|--------|--------|
| 835 mm | 2,2 kg |
| 415 mm | 1,1 kg |



**2103**

92 SHORE

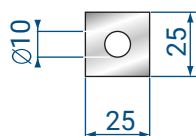
|        |        |
|--------|--------|
| 835 mm | 3,3 kg |
| 415 mm | 1,6 kg |



**2104**

92 SHORE

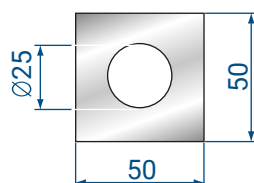
|        |        |
|--------|--------|
| 835 mm | 4,4 kg |
| 415 mm | 2,2 kg |



**2105**

92 SHORE

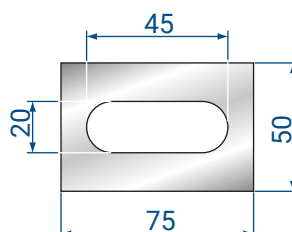
|        |        |
|--------|--------|
| 835 mm | 0,5 kg |
| 415 mm | 0,2 kg |



**2106**

92 SHORE

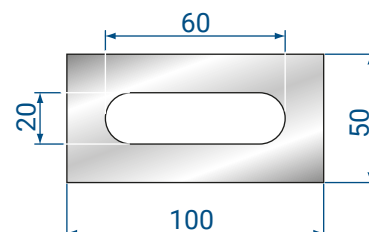
|        |        |
|--------|--------|
| 835 mm | 1,8 kg |
| 415 mm | 0,9 kg |



**2107**

92 SHORE

|        |        |
|--------|--------|
| 835 mm | 2,6 kg |
| 415 mm | 1,3 kg |



**2108**

92 SHORE

|        |        |
|--------|--------|
| 835 mm | 3,4 kg |
| 415 mm | 1,7 kg |



## COMPLETO SISTEMA DI CONNESSIONE PER UTENSILI SUPERIORI STILE EUROPEO (STILE AMADA/PROMECAM) COMPLETE CLAMPING SYSTEM FOR EUROPEAN STYLE TOOLING (AMADA/PROMECAM STYLE)

### PROCESSO DI SOSTITUZIONE UTENSILI CON SISTEMI TRADIZIONALI

Il sistema tradizionale prevede di installare gli utensili superiori tramite staffe di sicurezza avvitare agli intermediari connessi alla tavola superiore.

Il dente presente sulla staffa dell'intermediario lavora nella cava di sicurezza fresata sul punzone per impedirne la caduta accidentale, ma costringe ad inserire/estrarre ogni utensile dal lato macchina e a trascinarlo in posizione operativa.

Quando i punzoni sono posizionati correttamente è necessario pre-serrare le staffe, poi "chiudendo" la macchina, si sollevano e spingono gli utensili a contatto con gli intermediari per allinearli ottimamente.

Il tempo per eseguire questa operazione viene sottratto al tempo di piegatura e può assumere una importanza rilevante nel calcolo della produttività.

### ACTUAL TOOLING REPLACEMENT PROCEDURE

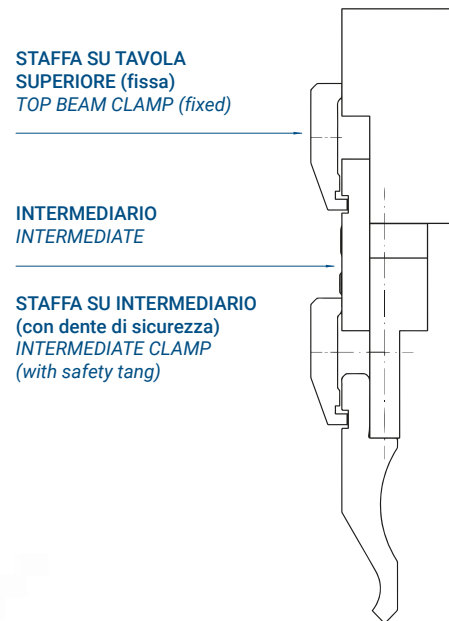
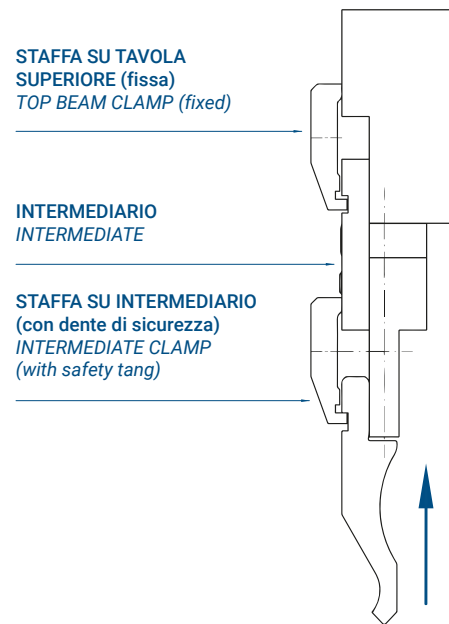
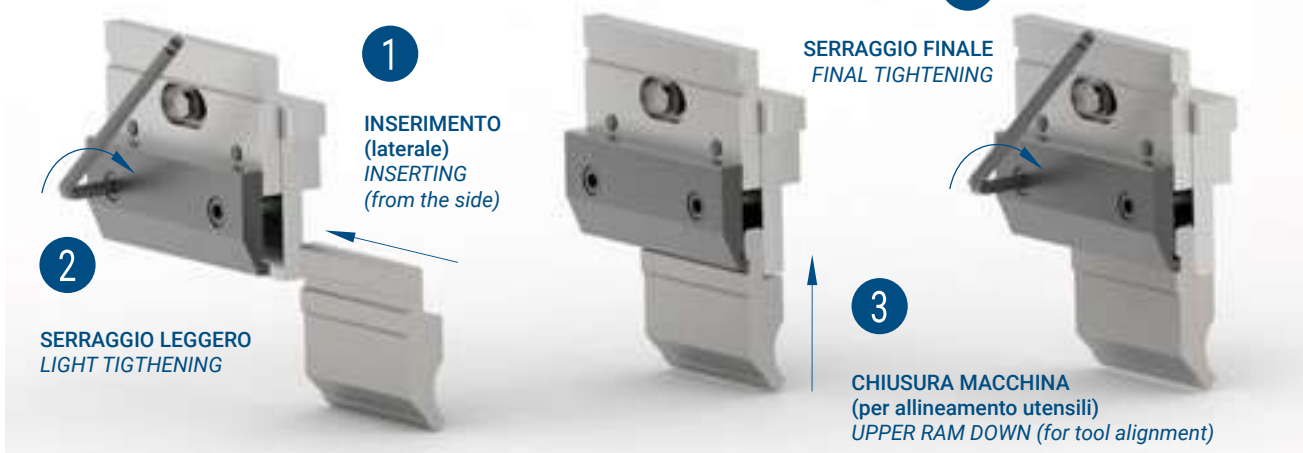
The standard system requires to install the upper tooling through safety clamps screwed on the intermediates connected to the upper machine table.

The clamps safety tang engages into the safety groove machined on the punch front: this combination ensures the tools will not drop out of the clamp when opened to replace them. In order to remove or insert punch tooling, one has to slide the tools horizontally, along the machine length, to the left or right from/to its working position. Note the tools cannot be removed or inserted vertically with this safety feature.

Once the new punches are correctly inserted it is necessary to follow the procedure below:

- slightly tighten all the clamp screws,
- lower the upper beam and push the tooling against their reference surface (bottom side of intermediate), this ensures alignment of the punch tooling,
- finally, firmly tighten all the clamp screws

The average time required to perform the above operation is deducted from the fabrication time, the time taken can be of high importance and relevance when productivity output is a consideration.



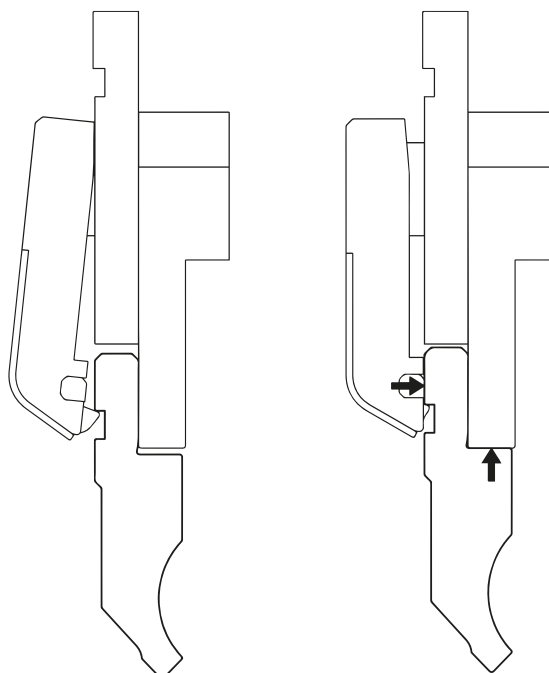
## L'INNOVAZIONE EUROGRIP / THE EUROGRIP INNOVATION

La struttura meccanica della staffa Eurogrip è stata ingegnerizzata per consentire:

- l'inserimento/rimozione del punzone in senso verticale (anziché dal lato macchina) e, contemporaneamente, la garanzia del medesimo elevato livello di sicurezza.
- Il sollevamento del punzone durante la fase di chiusura per arrivare ad allinearli nel momento del bloccaggio finale.

*The main innovation is the Eurogrip clamp mechanical structure, engineered for allowing:*

- the removal and insertion of punches in vertical direction (instead of sliding them left and right) and, at the same time, for granting the same high safety level.
- The punch lifting during the clamping phase, in order to achieve its right alignment when the clamp is locked.



## IL RISPARMIO DI TEMPO / THE TIME SAVING

La tabella mostra i tempi medi necessari per ogni fase dell'operazione di rimozione e sostituzione utensili superiori su una piegatrice da 3 metri (15 intermediari); il suo scopo è la valutazione dei vantaggi offerti dal nuovo sistema.

Comparazione tempi stimati per ogni fase della sostituzione utensili superiori (piegatrice da 3 metri con 15 intermedi).

*The table shows the average time required for each phase of any upper tooling removal and replacement operation on a 3-meter-long press brake (15 intermediates); its purpose is the evaluation of the advantages offered by the new system.*

Comparison of estimated time required for each phase of an upper tooling replacement operation (press brake 3 meter long - 15 intermediates).

### TEMPO RICHiesto CON SISTEMA TRADIZIONALE

AVERAGE TIME WITH STANDARD SYSTEM

**circa 9,5 minuti**  
about 9,5 minutes

### TEMPO RICHiesto CON SISTEMA EUROGRIP MANUALE

AVERAGE TIME REQUIRE WITH EUROGRIP MANUAL SYSTEM

**circa 3,0 minuti (-70%)**  
about 3,0 minutes (-70%)

### TEMPO RICHiesto CON SISTEMA EUROGRIP PNEUMATICO

AVERAGE TIME REQUIRE WITH EUROGRIP PNEUMATIC SYSTEM

**circa 1,5 minuti (-85%)**  
about 1,5 minutes (-85%)

LA PERCENTUALE DI TEMPO NECESSARIO PER UNA SOLA OPERAZIONE DI CAMBIO UTENSILI RISPETTO A UN'ORA DI LAVORO EFFETTIVO COSTITUISCE, RISPETTIVAMENTE:

16% con il Sistema Tradizionale  
5% con Eurogrip Manuale  
2,5% con Eurogrip Pneumatico

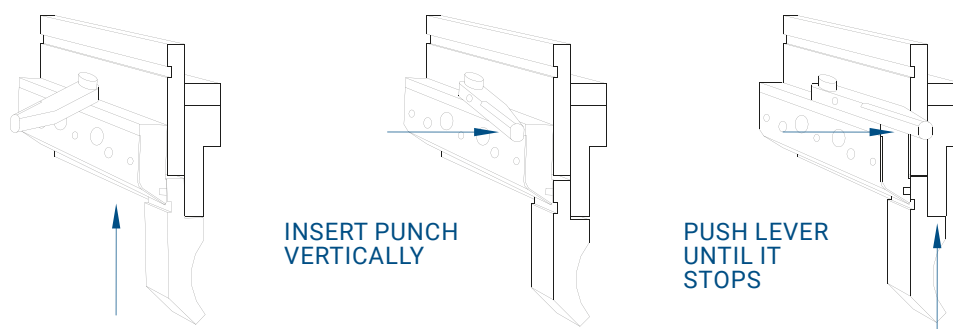
THE SHARE OF TIME REQUIRED FOR EACH TOOL REPLACEMENT OPERATION OVER A 1-HOUR FABRICATION TIME IS, RESPECTIVELY:

16% for the standard system  
5% with Eurogrip Manual  
2,5% with Eurogrip Pneumatic

| FASE OPERATIVA<br>OPERATING PHASE                               | SISTEMA DI STAFFAGGIO<br>CLAMPING SYSTEM                                                                               | DESCRIZIONE OPERAZIONE<br>OPERATION DESCRIPTION                                                                                                           | TEMPO RICHIESTO<br>REQUIRED TIME |       |      |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------|------|
| <b>1</b><br><br><b>APERTURA STAFFE</b><br>CLAMPS UNLOCKING      | Sistema di staffaggio tradizionale (ogni staffa con due viti)<br>Standard clamping system (each clamp with two screws) | Allentamento 30 viti frontali (5 sec. Cad)<br>Untighten 30 allen bolts (5 seconds each)                                                                   | 150                              |       |      |
|                                                                 | Sistema di staffaggio Eurogrip manuale (M-EASY o M-TOP)<br>Eurogrip manual clamping system (M-EASY or M-TOP)           | Apertura 15 levette (3 sec. Cad)<br>Unlock 15 handles (3 seconds each)                                                                                    |                                  | 45    |      |
|                                                                 | Sistema di staffaggio Eurogrip pneumatico (P-EASY o P-TOP)<br>Eurogrip pneumatic clamping system (P-EASY or P-TOP)     | Pressione su pulsante per apertura staffe (2 sec.)<br>Button operation for opening the clamps (2 sec)                                                     |                                  |       | 2    |
| <b>2</b><br><br><b>RIMOZIONE PUNZONI</b><br>PUNCHES REMOVAL     | Sistema di staffaggio tradizionale (ogni staffa con due viti)<br>Standard clamping system (each clamp with two screws) | Trascinamento ed estrazione utensili da lato macchina<br>Tooling sliding and extraction from machine side (3x835 + 1x SECT)                               | 100                              |       |      |
|                                                                 | Sistema di staffaggio Eurogrip manuale (M-EASY o M-TOP)<br>Eurogrip manual clamping system (M-EASY or M-TOP)           | Rimozione verticale utensili da fronte macchina<br>Tooling vertical removal from machine front (3x835 + 1x SECT)                                          |                                  | 50    |      |
|                                                                 | Sistema di staffaggio Eurogrip pneumatico (P-EASY o P-TOP)<br>Eurogrip pneumatic clamping system (P-EASY or P-TOP)     | Rimozione verticale utensili da fronte macchina<br>Tooling vertical removal from machine front (3x835 + 1x SECT)                                          |                                  |       | 50   |
| <b>3</b><br><br><b>INSERIMENTO PUNZONI</b><br>PUNCHES INSERTION | Sistema di staffaggio tradizionale (ogni staffa con due viti)<br>Standard clamping system (each clamp with two screws) | Inserimento utensili da lato macchina e trascinamento in posizione<br>Tooling insertion from machine side and sliding to their position (3x835 + 1x SECT) | 100                              |       |      |
|                                                                 | Sistema di staffaggio Eurogrip manuale (M-EASY o M-TOP)<br>Eurogrip manual clamping system (M-EASY or M-TOP)           | Inserimento verticale utensili da fronte macchina<br>Tooling vertical insertion from machine front (3x835 + 1x SECT)                                      |                                  | 40    |      |
|                                                                 | Sistema di staffaggio Eurogrip pneumatico (P-EASY o P-TOP)<br>Eurogrip pneumatic clamping system (P-EASY or P-TOP)     | Inserimento verticale utensili da fronte macchina<br>Tooling vertical insertion from machine front (3x835 + 1x SECT)                                      |                                  |       | 40   |
| <b>4</b><br><br><b>CHIUSURA STAFFE</b><br>CLAMPS LOCKING        | Sistema di staffaggio tradizionale (ogni staffa con due viti)<br>Standard clamping system (each clamp with two screws) | Serraggio lieve 30 viti (4 secondi cad)<br>Light tightening of 30 allen bolts (4 seconds each)                                                            | 120                              |       |      |
|                                                                 |                                                                                                                        | Chiusura macchina per allineamento utensili<br>Upper ram down for tooling alignment                                                                       | 10                               |       |      |
|                                                                 |                                                                                                                        | Serraggio finale 30 viti (3 secondi cad)<br>Final tightening of 30 allen bolts (3 seconds each)                                                           | 90                               |       |      |
|                                                                 | Sistema di staffaggio Eurogrip manuale (M-EASY o M-TOP)<br>Eurogrip manual clamping system (M-EASY or M-TOP)           | Chiusura 15 levette (3 sec. Cad)<br>Locking 15 handles (3 seconds each)                                                                                   |                                  | 45    |      |
|                                                                 | Sistema di staffaggio Eurogrip pneumatico (P-EASY o P-TOP)<br>Eurogrip pneumatic clamping system (P-EASY or P-TOP)     | Pressione su pulsante per chiusura staffe (2 sec.)<br>Button operation for closing the clamps (2 sec)                                                     |                                  |       | 2    |
| TEMPO TOTALE PREVISTO / TOTAL ESTIMATED TIME                    |                                                                                                                        |                                                                                                                                                           | 570 s                            | 180 s | 94 s |

## PRINCIPIO OPERATIVO / PRINCIPLE OF OPERATIONS

### INSERIMENTO PUNZONE PUNCH LOADING



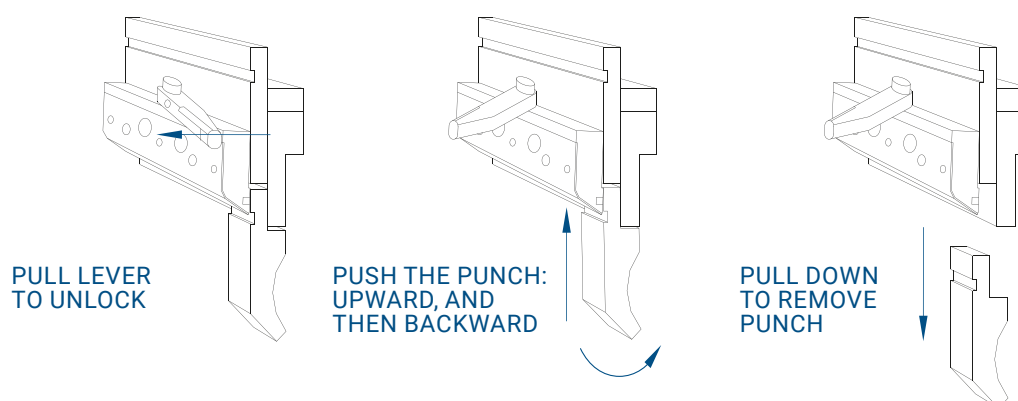
Quando la staffa è in posizione di apertura, permette l'inserimento del punzone in senso verticale verso l'alto fino a quando la cava di sicurezza incontra il meccanismo di sicurezza della staffa, che lo aggancia e lo mantiene sollevato.

Durante il movimento di chiusura della staffa, il meccanismo di sicurezza solleva il punzone fino al piano di riferimento (base dell'intermedio) e lo mantiene in posizione fino alla completa chiusura della staffa che blocca il punzone in posizione.

*When the clamp is in open position, it allows the punch insertion in vertical upward direction until when the punch safety groove engages the clamp safety fingers, that hooks it and keeps the punch in position.*

*During the clamp closing stroke, the safety fingers lifts up the punch until intermediate reference surface and keeps it in the right position until the end of clamp closing movement that locks the punch.*

### RIMOZIONE PUNZONE PUNCH UNLOADING



Quando la staffa viene aperta, il punzone viene sbloccato e scende fino ad arrestarsi perché rimane agganciato al meccanismo di sicurezza.

A questo punto è sufficiente sollevare manualmente il punzone e spingere la sua punta verso l'interno della macchina per liberarlo dal meccanismo di sicurezza e sfilarlo in senso verticale verso il basso.

*When the clamp is opened, it unlocks the punch that can then move downwards until the point where it can remain hooked in against the safety fingers.*

*Now it is possible to manually lift the punch upwards and push on its bottom side to disengage it from the safety fingers and removing it in vertical downward direction.*

## LA GAMMA DI PRODOTTI EUROGRIP PER LA CONNESSIONE DEGLI UTENSILI SUPERIORI THE EUROGRIP RANGE FOR THE UPPER TOOL CLAMPING

L'innovativa staffa Eurogrip è alla base della gamma completa di soluzioni sviluppata da Eurostamp, orientata agli equipaggiamenti standard delle piegatrici e alle esigenze specifiche di clienti.

La gamma include Sistemi Manuali e Pneumatici;

ciascun Sistema è disponibile in due Versioni (EASY e TOP);

finalmente, ogni versione comprende due Modelli, in base alle dimensioni degli intermediari originali.

*The innovative Eurogrip clamp is the basis of the complete range of solutions developed by Eurostamp, in line with the press brakes standard equipment and suited to the customer needs.*

*The range includes Manual and Pneumatic, each available in two versions (EASY and TOP);*

*Each version includes two models, according to the dimension of the original intermediates.*

### 1 DIMENSIONI CARATTERISTICHE DI INTERMEDIARIO TIPO Z1

Z1 TYPE INTERMEDIATE TYPICAL DIMENSION

### 2 DIMENSIONI CARATTERISTICHE DI INTERMEDIARIO TIPO Z2

Z2 TYPE INTERMEDIATE TYPICAL DIMENSION

## SISTEMI MANUALI / MANUAL CLAMPING SYSTEMS

### Versione / Version M-EASY

**4389** Dimensioni intermedio / Intermediate dimension **Z1**  
(Corpo / Body: 27mm – Asse / Axis: 7mm) [page 219](#)

**4409** Dimensioni intermedio / Intermediate dimension **Z2**  
(Corpo / Body: 40mm – Asse / Axis: 20mm) [page 220](#)

### Versione / Version M-TOP

**4390** Dimensioni intermedio / Intermediate dimension **Z1**  
(Corpo / Body: 27mm – Asse / Axis: 7mm) [page 221](#)

**4400** Dimensioni intermedio / Intermediate dimension **Z2**  
(Corpo / Body: 40mm – Asse / Axis: 20mm) [page 222](#)

**4419** Dimensioni intermedio / Intermediate dimension **Z1**  
(Corpo / Body: 27mm – Asse / Axis: 7mm) [page 223](#)

**4414** Dimensioni intermedio / Intermediate dimension **Z2**  
(Corpo / Body: 40mm – Asse / Axis: 20mm) [page 224](#)

## SISTEMI PNEUMATICI / PNEUMATIC CLAMPING SYSTEMS

### Versione / Version P-EASY

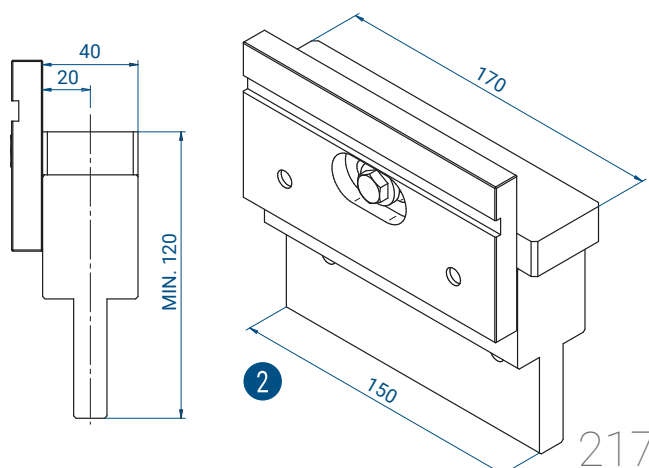
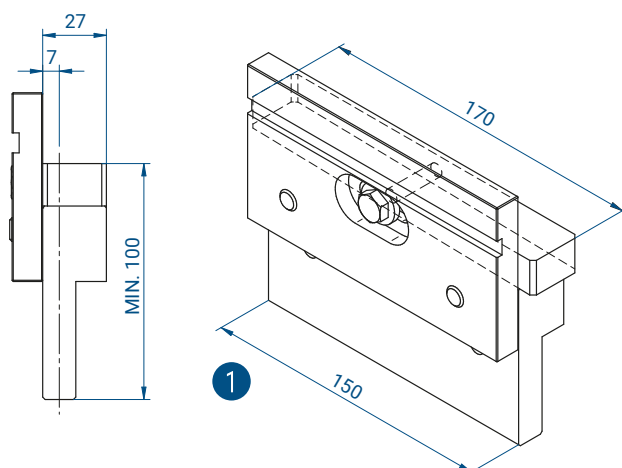
**4392** Dimensioni intermedio / Intermediate dimension **Z1**  
(Corpo / Body: 27mm – Asse / Axis: 7mm) [page 228](#)

**4405** Dimensioni intermedio / Intermediate dimension **Z2**  
(Corpo / Body: 40mm – Asse / Axis: 20mm) [page 229](#)

### Versione / Version P-TOP

**4399** Dimensioni intermedio / Intermediate dimension **Z1**  
**4398** (Corpo / Body: 27mm – Asse / Axis: 7mm) [page 230 - 231](#)

**4399** Dimensioni intermedio / Intermediate dimension **Z2**  
**4410** (Corpo / Body: 40mm – Asse / Axis: 20mm) [page 230 - 232](#)



### SISTEMI DI STAFFAGGIO MANUALI - INTRODUZIONE MANUAL CLAMPING SYSTEM - INTRODUCTION

Ogni staffa viene operata da una comoda e robusta leva a scomparsa posizionata sulla parte superiore della staffa per evitare qualsiasi interferenza contro la lamiera durante il processo di piegatura.

Lo stesso principio di funzionamento è stato applicato anche ad un adattatore superiore che consente l'installazione di punzoni in style Trumpf e Wila su macchine con sistema di connessione in stile Europeo (stile Amada/Promecam).

*Each clamp is individually operated by a comfortable and powerful handle, conveniently located on the top in order to avoid any interference with the product being fabricated.*

*We applied a similar solution also to an upper adapter that allows the installation of Wila/Trumpf style punches on machines equipped with European style (Amada/Promecam style) clamping system.*



Modello / Model

## 4389

(M-EASY Z1)

**SISTEMA MANUALE EUROGRIP M-EASY:**  
STAFFA PER RETROFIT SU INTERMEDIARIO Z1

**MANUAL SYSTEM M-EASY:**  
FRONT CLAMP FOR RETROFIT OF Z1 STYLE INTERMEDIATE

150 mm 0,8 kg



### DESCRIZIONE

Staffa frontale da installare al posto di quella esistente.

### SPECIFICHE TECNICHE

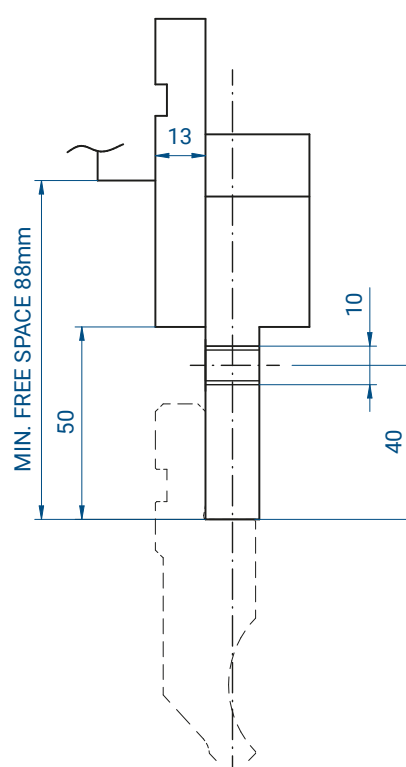
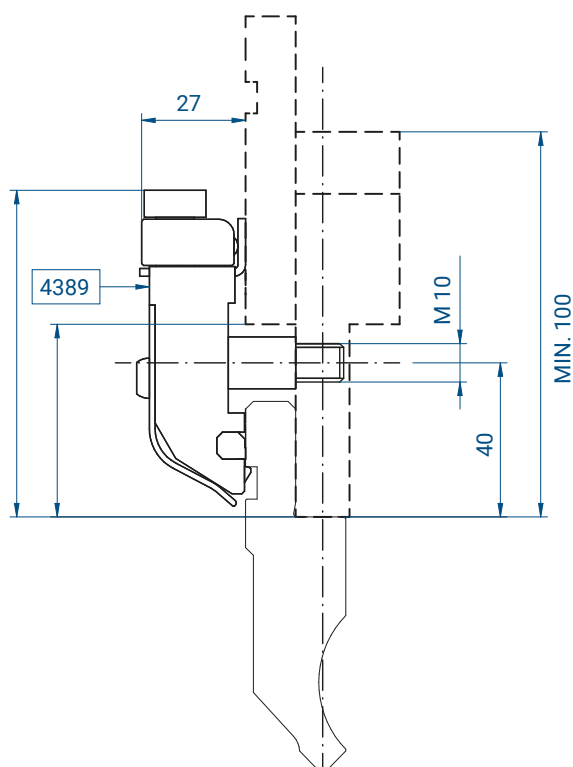
Solo su intermediari conformi Z1 (altezza 100mm; corpo 27mm; asse 7mm): tutte le dimensioni dell'intermediario devono essere verificate e confrontate con il disegno tecnico di questa pagina.

### DESCRIPTION

Front clamp replacement, installed over the existing intermediate in place of the "standard one".

### TECHNICAL SPECIFICATIONS

Only on Z1 style intermediates (height 100mm; body width 27mm; bending axis located at 7mm). All dimensions of the intermediates need to be verified and confirmed as per the drawings on this page.



Modello / Model

## 4409

(M-EASY Z2)

**SISTEMA MANUALE EUROGRIP M-EASY: ASSIEME DI STAFFA + PIASTRA ANTERIORE PER RETROFIT SU INTERMEDIARIO Z2**

**MANUAL SYSTEM M-EASY: ASSEMBLY OF CLAMP + FRONT PLATE FOR RETROFIT OF Z2 STYLE INTERMEDIATE**

150 mm 0,8 kg



### DESCRIZIONE

Assieme costituito dalla staffa 4389 e da una piastra anteriore, che deve essere installata sul corpo principale dell'intermediario esistente.

### SPECIFICHE TECNICHE

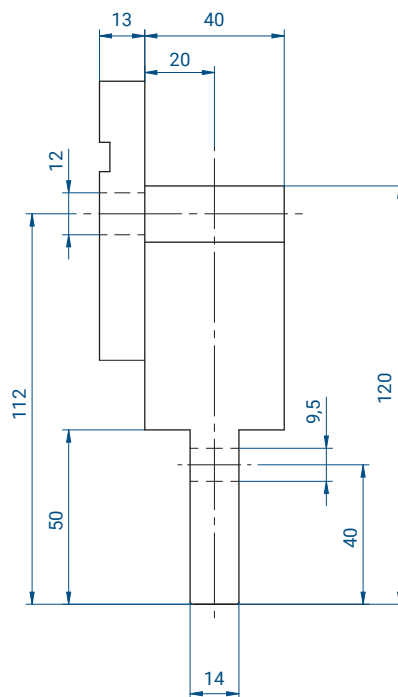
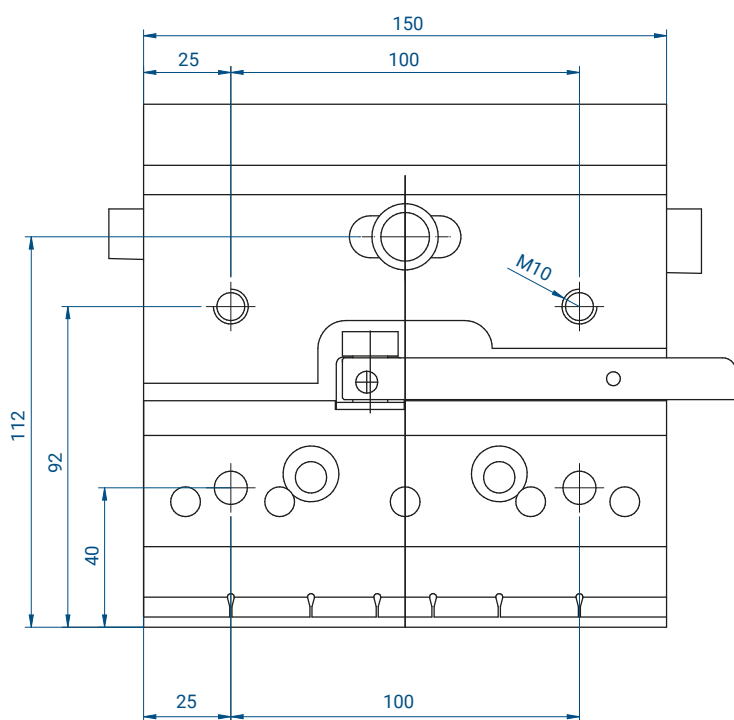
Solo su intermediari conformi Z2 (altezza minima 120mm; corpo 40mm; asse 20mm). Tutte le dimensioni dell'intermediario devono essere verificate e confrontate con il disegno tecnico di questa pagina.

### DESCRIPTION

Assembly made up with clamp model 4389 and by a replacement front plate that must be installed onto the original intermediate.

### TECHNICAL SPECIFICATIONS

Only on Z2 style intermediates (minimum height 120mm; body width 40mm; bending axis located at 20mm). All dimensions of the intermediates need to be verified and confirmed as per the drawings on this page.



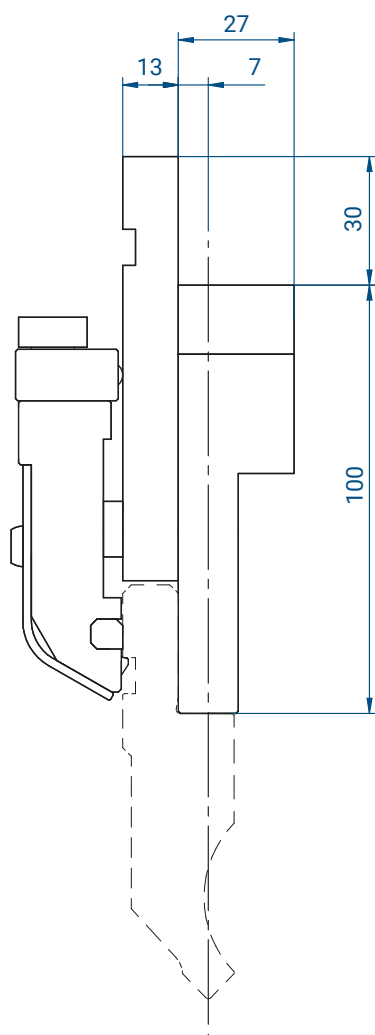
Modello / Model

**4390**  
(M-TOP Z1)

**SISTEMA MANUALE EUROGRIP M-TOP:**  
STAFFA ASSEMBLATA SU INTERMEDIO SPECIFICO Z1

**EUROGRIP MANUAL SYSTEM M-TOP:**  
FRONT CLAMP ASSEMBLED ON SPECIFIC Z1 STYLE INTERMEDIATE

150 mm 5,2 kg



## DESCRIZIONE

Assieme completo costituito da una speciale staffa manuale (dimensioni maggiorate) installata su un intermedio speciale (Z1) di alta qualità, disegnato per alloggiare la staffa maggiorata.

Soluzione privilegiata nei casi in cui sia necessario sostituire gli intermedi esistenti perché danneggiati e quando le dimensioni dell'intermedio esistente non consentano l'utilizzo di M-EASY.

Il codice 4390 è già predisposto per l'installazione delle staffe manuali posteriori opzionali codice 4404 (fori passanti).

## SPECIFICHE TECNICHE

Solo su macchine predisposte ad installare intermedi di tipo Z1 (altezza 100mm; corpo 27mm; asse 7mm): tutte le dimensioni dell'intermediario devono essere verificate e confrontate con il disegno tecnico di questa pagina.

## DESCRIPTION

Full intermediate assembly, made up of a special manual clamp (bigger dimension) already installed over a special, superior quality (Z1) intermediate body, designed for the movement of the operating fingers.

This solution is the best choice when a new set of intermediates is replacing the old ones (damaged or worn out) or when the original intermediate dimension does not allow to utilize the M-EASY.

The code 4390 is already set for installing the optional rear clamp manually operated code 4404 (pass-through holes).

## TECHNICAL SPECIFICATIONS

Only on machines equipped for Z1 style intermediates (height 100mm; body width 27mm; bending axis located at 7mm). All dimensions of the intermediates need to be verified and confirmed as per the drawings on this page.

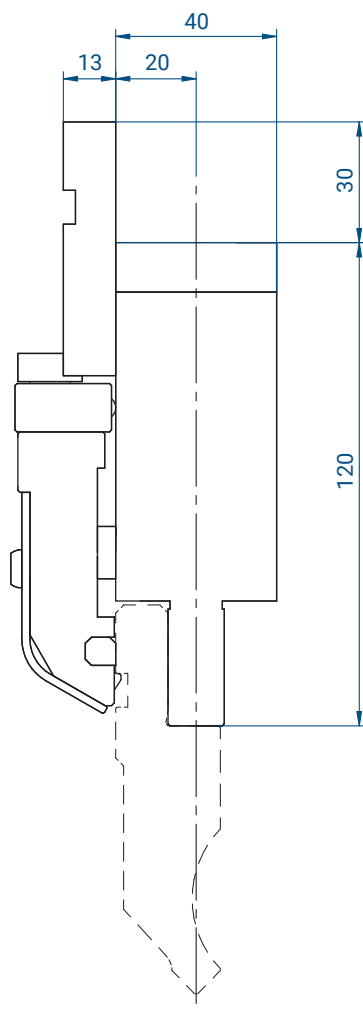
Modello / Model

**4400**  
(M-TOP Z2)

**SISTEMA MANUALE EUROGRIP M-TOP: STAFFA ASSEMBLATA SU INTERMEDIO SPECIFICO Z2**

**EUROGRIP MANUAL SYSTEM M-TOP: FRONT CLAMP ASSEMBLED ON SPECIFIC Z2 STYLE INTERMEDIATE**

150 mm 7,0 kg



## DESCRIZIONE

Assieme completo costituito da una speciale staffa manuale (dimensioni maggiorate) installata su un intermedio speciale (Z2) di alta qualità disegnato per alloggiare la staffa maggiorata.

Questa soluzione è la scelta migliore quando una nuova serie di intermedi sta sostituendo quelli vecchi (danneggiati o usurati) o quando la dimensione dell'intermedio originale non consente di utilizzare il M-EASY.

Il codice 4400 è già predisposto per l'installazione delle staffe manuali posteriori opzionali codice 4404 (fori passanti).

## SPECIFICHE TECNICHE

Solo su macchine predisposte ad installare intermedi di tipo Z2 (altezza 120mm; corpo 40mm; asse 20mm): tutte le dimensioni dell'intermediario devono essere verificate e confrontate con il disegno tecnico di questa pagina.

Peso=5,5Kg

## DESCRIPTION

Full intermediate assembly, made up of a special manual clamp (bigger dimension) already installed over a special, superior quality (Z2) intermediate body, conveniently machined for the movement of the operating fingers.

This solution is the best choice when a new set of intermediates is replacing the old ones (damaged or worn out) or when the original intermediate dimension does not allow to utilize the M-EASY.

The code 4400 is already set for installing the optional rear clamp manually operated code 4404 (pass-through holes).

## TECHNICAL SPECIFICATIONS

Only on machines equipped for Z2 style intermediates (height 120mm; body width 40mm; bending axis located at 7mm). All dimensions of the intermediates need to be verified and confirmed as per the drawings on this page.

Weight=5,5Kg

Modello / Model

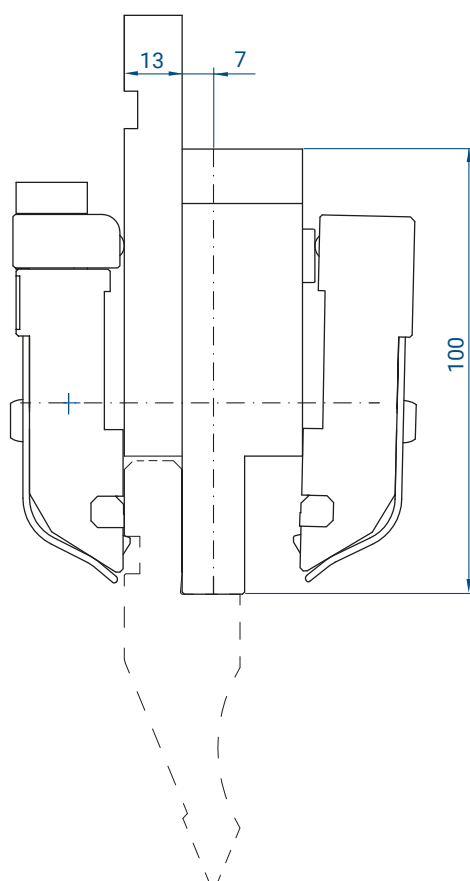
## 4419

### Z1 (M-TOP Z1 DUO)

**SISTEMA MANUALE EUROGRIP M-TOP Z1 DUO: STAFFE ASSEMBLATE SU INTERMEDIO SPECIFICO Z2**

**EUROGRIP MANUAL SYSTEM M-TOP Z1 DUO: FRONT CLAMPS ASSEMBLED ON SPECIFIC Z2 STYLE INTERMEDIATE**

150 mm 7,0 kg



#### CARATTERISTICHE TECNICHE

Ogni singolo pezzo di utensile può essere montato con orientamento frontale oppure posteriore (rotazione di 180°) in base alla necessità di piegatura.

Inserimento verticale per entrambe gli orientamenti con aggancio automatico nel sistema aperto. Nessun limite di lunghezza, forma e quantità degli utensili inseriti.

Bloccaggio tramite unica leva per modulo che agisce su tutti gli utensili presenti con sollevamento in appoggio e bloccaggio sui piani di riferimento a garanzia di un perfetto allineamento. La leva in posizione di bloccaggio non presenta sporgenze.

Sbloccaggio: l'apertura della leva libera tutti gli utensili presenti. Il sistema ne impedisce lo sgancio con assoluta sicurezza.

Estrazione: avviene solamente agendo su ogni singolo pezzo con sollevamento in battuta, piccola rotazione e sfilamento verso il basso. L'operazione non richiede sforzi aggiuntivi oltre al peso dell'utensile.

#### TECHNICAL FEATURES

Each tool can be mounted in either front or reverse orientation (180° rotation) depending on the bending requirement.

Vertical insertion for both orientations with automatic docking when clamps are in "open" position. No limits on the length, shape and quantity of the tools inserted.

Locking by means of a single lever per module that acts on all tools present with lift-off and clamping on the reference planes to guarantee perfect alignment. The lever in the clamping position has no protrusions.

Unlocking: the opening of the lever frees all the tools present. The clamps safety system prevents them from being unhooked with absolute safety.

Extraction: it is performed by lifting upward the punch and tilting it forward. Once unlocked it can be removed safely sustaining only the tool weight.

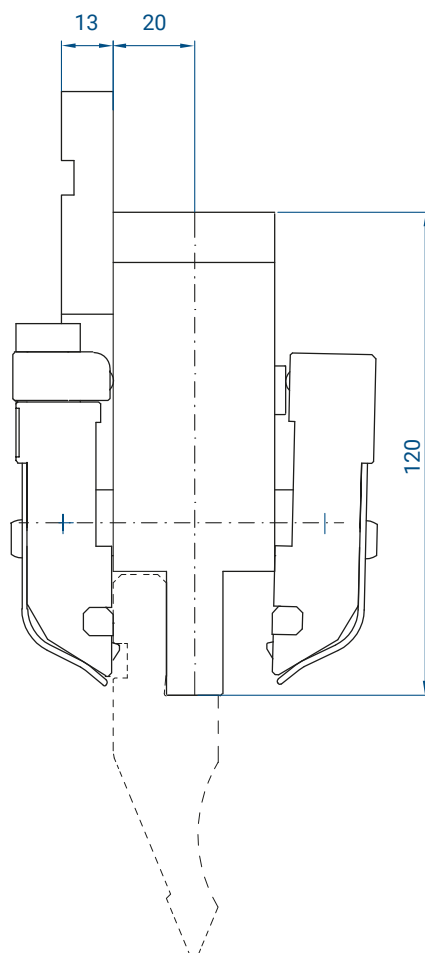
Modello / Model

**4414**  
**Z2 (M-TOP Z2 DUO)**

**SISTEMA MANUALE EUROGRIP M-TOP Z2 DUO: STAFFE ASSEMBLATE SU INTERMEDIO SPECIFICO Z2**

**EUROGRIP MANUAL SYSTEM M-TOP Z2 DUO: FRONT CLAMPS ASSEMBLED ON SPECIFIC Z2 STYLE INTERMEDIATE**

150 mm 7,0 kg



## CARATTERISTICHE TECNICHE

Ogni singolo pezzo di utensile può essere montato con orientamento frontale oppure posteriore (rotazione di 180°) in base alla necessità di piegatura.

Inserimento verticale per entrambe gli orientamenti con aggancio automatico nel sistema aperto. Nessun limite di lunghezza, forma e quantità degli utensili inseriti.

Bloccaggio tramite unica leva per modulo che agisce su tutti gli utensili presenti con sollevamento in appoggio e bloccaggio sui piani di riferimento a garanzia di un perfetto allineamento. La leva in posizione di bloccaggio non presenta sporgenze.

Sbloccaggio: l'apertura della leva libera tutti gli utensili presenti. Il sistema ne impedisce lo sgancio con assoluta sicurezza.

Estrazione: avviene solamente agendo su ogni singolo pezzo con sollevamento in battuta, piccola rotazione e sfilamento verso il basso. L'operazione non richiede sforzi aggiuntivi oltre al peso dell'utensile.

## TECHNICAL FEATURES

Each tool can be mounted in either front or reverse orientation (180° rotation) depending on the bending requirement.

Vertical insertion for both orientations with automatic docking when clamps are in "open" position. No limits on the length, shape and quantity of the tools inserted.

Locking by means of a single lever per module that acts on all tools present with lift-off and clamping on the reference planes to guarantee perfect alignment. The lever in the clamping position has no protrusions.

Unlocking: the opening of the lever frees all the tools present. The clamps safety system prevents them from being unhooked with absolute safety.

Extraction: it is performed by lifting upward the punch and tilting it forward. Once unlocked it can be removed safely sustaining only the tool weight.

Modello / Model

**4393**  
(M-WDP Z1)

**SISTEMA MANUALE EUROGRIP M-WPD: ADATTATORE SUPERIORE DA STILE AMADA (TIPO Z1) A STILE WILA/TRUMPF**

**EUROGRIP MANUAL SYSTEM M-WDP: UPPER ADAPTER FROM AMADA STYLE (Z1 TYPE) TO WILA/TRUMPF STYLE**

150 mm 6,7 kg



## DESCRIZIONE

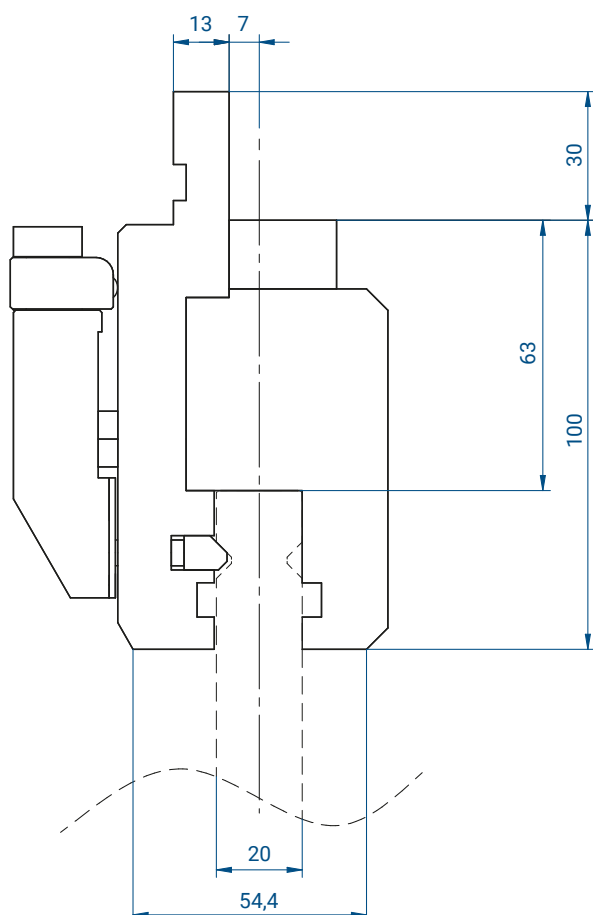
Adattatore speciale da stile standard Amada/Promecam (stile Europeo) a stile standard Trumpf/Wila.

La staffa anteriore - operata da una leva a scomparsa - permette l'inserimento, la rimozione, l'allineamento e il bloccaggio di utensili conformi allo standard Trumpf/Wila su macchine con tavola superiore in stile Europeo (stile Amada Promecam).

## SPECIFICHE TECNICHE

Solo su macchine predisposte ad installare intermedi di tipo Z1 (altezza 100mm; corpo 27mm; asse 7mm): tutte le dimensioni dell'intermediario devono essere verificate e confrontate con il disegno tecnico di questa pagina.

Peso=6,7Kg.



## DESCRIPTION

Upper adapter from European style (Amada/Promecam style) to Trumpf/Wila style.

The front clamp, operated by a foldaway handle allows the installation; the removal; the alignment and the locking of Trumpf/Wila style top tooling on a press brake equipped with European style clamping system.

## TECHNICAL SPECIFICATIONS

Only on machines equipped for Z1 style intermediates (height 100mm; body width 27mm; bending axis located at 7mm). All dimensions of the intermediates need to be verified and confirmed as per the drawings on this page.

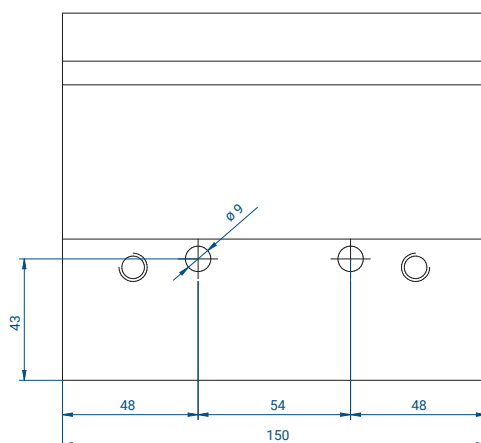
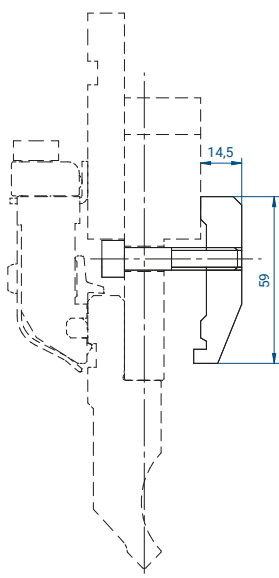
Weight=6,7Kg.

## SISTEMI DI STAFFAGGIO MANUALI – DISPOSITIVI OPZIONALI MANUAL CLAMPING SYSTEM – OPTIONAL ADD-ONS

Modello / Model

### 4408

150 mm 0,7 kg



### STAFFA POSTERIORE OPZIONALE, ESCLUSIVA PER MODELLI M-EASY

Per installare punzoni con orientamento "rovesciato" su intermedi equipaggiati con sistemi M-EASY (4389 e 4409).

La staffa posteriore viene operata da fronte macchina agendo su due viti a brugola.

Per installare la staffa opzionale è necessario eseguire due fori passanti diametro 9mm sul corpo dell'intermedio.

### OPTIONAL REAR CLAMP EXCLUSIVELY FOR M-EASY MODELS

For inserting the punches in "reverse" direction on intermediates equipped with M-EASY clamps (4389 e 4409).

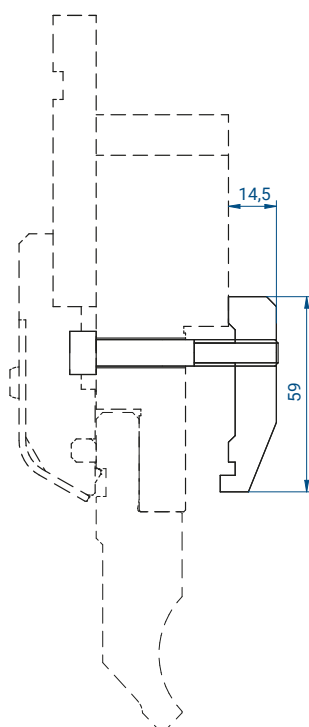
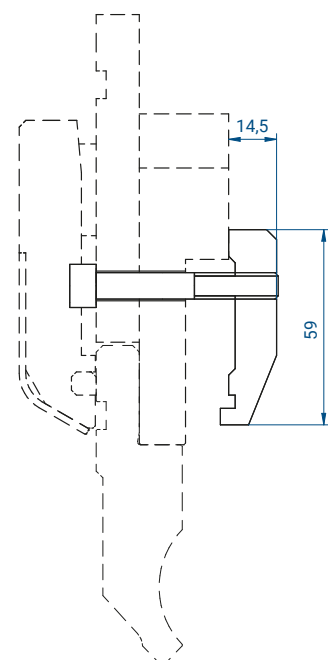
The rear clamp is operated by standing on the machine front and through two allen-key bolts.

For mounting the rear clamp, two additional holes Ø9mm need to be drilled on the intermediate body.

Modello / Model

### 4404

150 mm 0,8 kg



### STAFFA POSTERIORE OPZIONALE, PER MODELLI M-TOP; P-EASY; P-TOP

Per installare punzoni con orientamento "rovesciato" su intermedi equipaggiati con sistemi M-TOP; P-EASY; P-TOP.

La staffa posteriore viene operata da fronte macchina agendo su due viti a brugola.

Tutti i modelli M-TOP; P-EASY; P-TOP sono forniti completi di fori passanti, per cui non è necessaria alcuna lavorazione aggiuntiva per installare la staffa.

### OPTIONAL REAR CLAMP, FOR MODELS M-TOP; P-EASY; P-TOP

For inserting the punches in "reverse" direction on intermediates equipped with all the products M-TOP; P-EASY; P-TOP.

The rear clamp is operated by standing on the machine front and through two allen bolts.

All the models M-TOP; P-EASY; P-TOP are supplied with the pass-through holes already drilled on – ne need for any additional operation.

### SISTEMI DI STAFFAGGIO PNEUMATICI - INTRODUZIONE PNEUMATIC CLAMPING SYSTEM - INTRODUCTION

Tutte le staffe presenti sulla tavola superiore sono operate tramite aria compressa, controllata da una centralina e trasferita tramite tubi che collegano in serie gli intermedi.

La gamma di sistemi pneumatici include un sistema analogo per gli utensili inferiori.

*All of the clamps located on the machine upper table are operated by compressed air, managed by a pneumatic control unit and transferred through pipes that connect serially the intermediates.*

*The pneumatic system product range includes also a solution for the pneumatic clamping of lower tooling.*



**1** STAFFA SU TAVOLA  
SUPERIORE (fissa)  
TOP BEAM CLAMP (fixed)

**2** INTERMEDIARIO (traslabile a  
destra/sinistra e rimovibile)  
INTERMEDIATE (shiftable right  
or left and removable)

**3** STAFFA SU INTERMEDIARIO  
INTERMEDIATE CLAMP

Il Sistema pneumatico superiore Eurogrip sostituisce alcuni dei componenti standard forniti assieme alla macchina.

In base al modello scelto verranno sostituiti solo gli intermediari (P-EASY) oppure anche la staffa sulla tavola superiore (P-TOP).

L'installazione di un sistema pneumatico richiede una centralina pneumatica e un kit (comprensivo di tubi, connettori, cavi e pulsanti di comando).

*The Eurogrip upper pneumatic clamping systems replaces some of the standard components supplied with the press brake.*

*Depending by the chosen model (P-EASY or P-TOP), only the assembly of intermediate body and its clamp will be replaced, or it will be supplied also a new top beam clamp.*

*The installation of any pneumatic clamping system requires a pneumatic control unit and a pneumatic connection kit (pipes, connectors, cables, switch).*

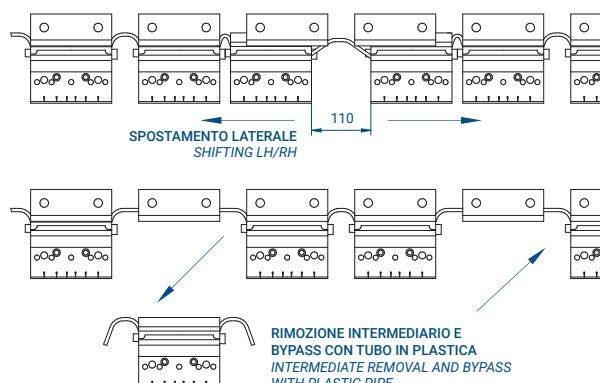
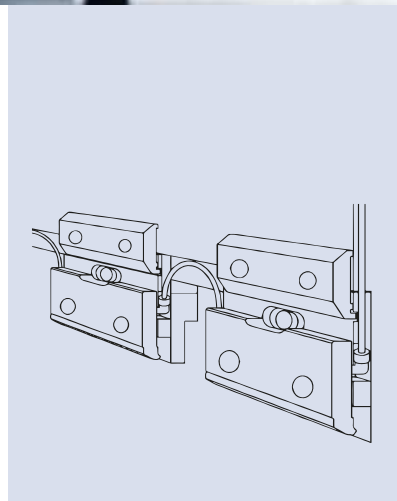
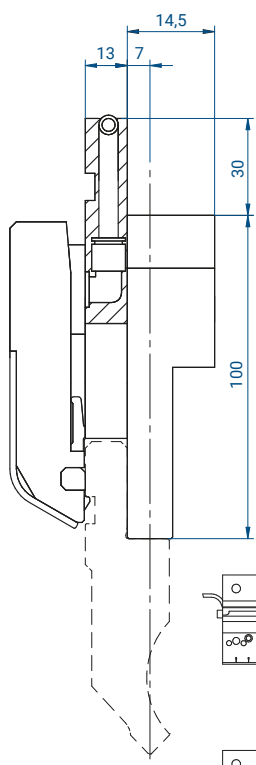
Modello / Model

**4392**  
(P-EASY Z1)

**SISTEMA PNEUMATICO EUROGRIP P-EASY:**  
STAFFA PNEUMATICA ASSEMBLATA SU INTERMEDIO SPECIFICO Z1

**EUROGRIP PNEUMATIC SYSTEM P-EASY:**  
PNEUMATIC CLAMP ASSEMBLED TO SPECIFIC Z1 STYLE INTERMEDIATE

150 mm 5,2 kg



## DESCRIZIONE

Assieme completo costituito da una speciale staffa, ad azionamento pneumatico, installata su un intermedio speciale (Z1) di alta qualità, disegnato per alloggiare la staffa maggiorata (vedere 2 e 3 a pag. 219).

Ciascun nuovo intermedio verrà installato al posto di quello esistente utilizzando le staffe già presenti sulla tavola superiore e verrà collegato in serie agli altri tramite tubo in plastica che ne permette lo spostamento orizzontale e la rimozione (tramite bypass). Soluzione raccomandata quando è necessario spostare/rimuovere gli intermediari raramente.

Il codice 4392 è già predisposto per l'installazione delle staffe manuali posteriori opzionali, codice 4404 (fori passanti).

## SPECIFICHE TECNICHE

Solo su macchine predisposte ad installare intermedi di tipo Z1 (altezza 100mm; corpo 27mm; asse 7mm): tutte le dimensioni dell'intermediario devono essere verificate e confrontate con il disegno tecnico di questa pagina.

Peso= 5,2 Kg

## DESCRIPTION

Full intermediate assembly made up of a special pneumatic clamp already installed over a special, superior quality (Z1), intermediate body conveniently machined for the movement of the operating fingers (see 2 and 3 on page 219).

Each new intermediate will be installed in place of the already existing one by utilizing the top beam clamp already mounted on the top beam and it will be connected in series with the others through a plastic pipe that will allow its horizontal shifting and removal (bypass). This is the recommended solution when the intermediate shifting (or removal) operation is required not more than few times a day.

The intermediate assembly code 4392 is already set for installing the optional rear clamp manually operated, code 4404 (pass-through holes).

## TECHNICAL SPECIFICATIONS

Only on machines equipped for Z1 style intermediates (height 100mm; body width 27mm; bending axis located at 7mm). Please, verify the conformity of the existing intermediate to all of the dimension shown on the drawing.

Weight= 5,2Kg

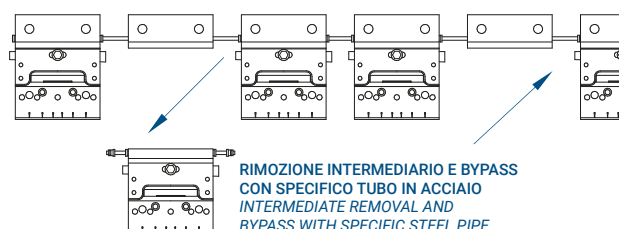
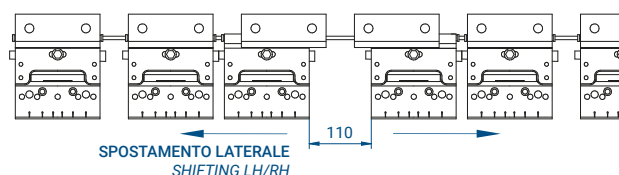
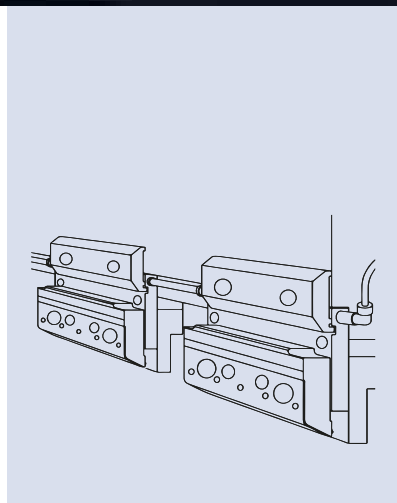
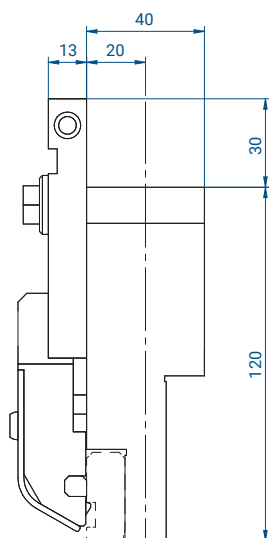
Modello / Model

**4405**  
(P-EASY Z2)

**SISTEMA PNEUMATICO EUROGRIP P-EASY:**  
STAFFA PNEUMATICA ASSEMBLATA SU INTERMEDIO SPECIFICO Z2

**EUROGRIP PNEUMATIC SYSTEM P-EASY:**  
PNEUMATIC CLAMP ASSEMBLED TO SPECIFIC Z2 STYLE INTERMEDIATE

150 mm 5,2 kg



## DESCRIZIONE

Assieme completo costituito da una speciale staffa, ad azionamento pneumatico, installata su un intermedio speciale (Z2) di alta qualità, disegnato per alloggiare la staffa maggiorata (vedere 2 e 3 a pag. 219).

Ciascun nuovo intermedio verrà installato al posto di quello esistente utilizzando le staffe già presenti sulla tavola superiore e verrà collegato in serie agli altri tramite tubo in acciaio che ne permette lo spostamento orizzontale e la rimozione (tramite bypass). Soluzione raccomandata quando è necessario spostare/rimuovere gli intermediari raramente.

Il codice 4405 è già predisposto per l'installazione delle staffe manuali posteriori opzionali, 4404 (fori passanti).

## SPECIFICHE TECNICHE

Solo su macchine predisposte ad installare intermedi di tipo Z2 (altezza 120mm; corpo 40mm; asse 20mm); tutte le dimensioni dell'intermediario devono essere verificate e confrontate con il disegno tecnico di questa pagina.

Peso= 5,9 Kg

## DESCRIPTION

Full intermediate assembly made up of a special pneumatic clamp already installed over a special, superior quality (Z1), intermediate body conveniently machined for the movement of the operating fingers (see 2 and 3 on page 219).

Each new intermediate will be installed in place of the already existing one by utilizing the top beam clamp already mounted on the top beam and it will be connected in series with the others through a steel pipe that will allow its horizontal shifting and removal (bypass). This is the recommended solution when the intermediate shifting (or removal) operation is not required more than few times a day.

The intermediate assembly code 4405 is already set for installing the optional rear clamp manually operated, code 4404 (pass-through holes).

## TECHNICAL SPECIFICATIONS

Only on machines equipped for Z2 style intermediates (height 120mm; body width 40mm; bending axis located at 7mm). Please, verify the conformity of the existing intermediate to all of the dimension shown on the drawing.

Weight= 5,9Kg

Modello / Model

## 4399

(P-TOP common)

150 mm 1,0 kg

**SISTEMA PNEUMATICO EUROGRIP P-TOP: STAFFA PNEUMATICA PER TAVOLA SUPERIORE – PREREQUISITO PER INSTALLAZIONE DI MODELLI P-TOP**

**EUROGRIP PNEUMATIC SYSTEM P-TOP: PNEUMATIC CLAMP TO BE INSTALLED ON THE MACHINE UPPER TABLE – MANDATORY FOR THE INSTALLATION OF ANY P-TOP MODEL**



### DESCRIZIONE

Staffa per tavola superiore da installare al posto di quella montata in origine (vedere 1 a pag. 219).

Ogni staffa è collegata in serie tramite tubo in acciaio e trasferisce l'aria in pressione all'intermediario connesso attraverso una valvola interna che ne consente lo spostamento e la rimozione senza necessità di operazioni aggiuntive (bypass).

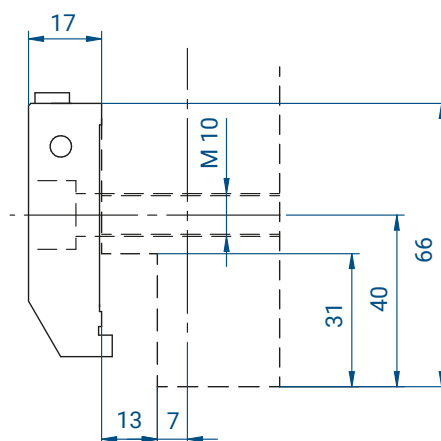
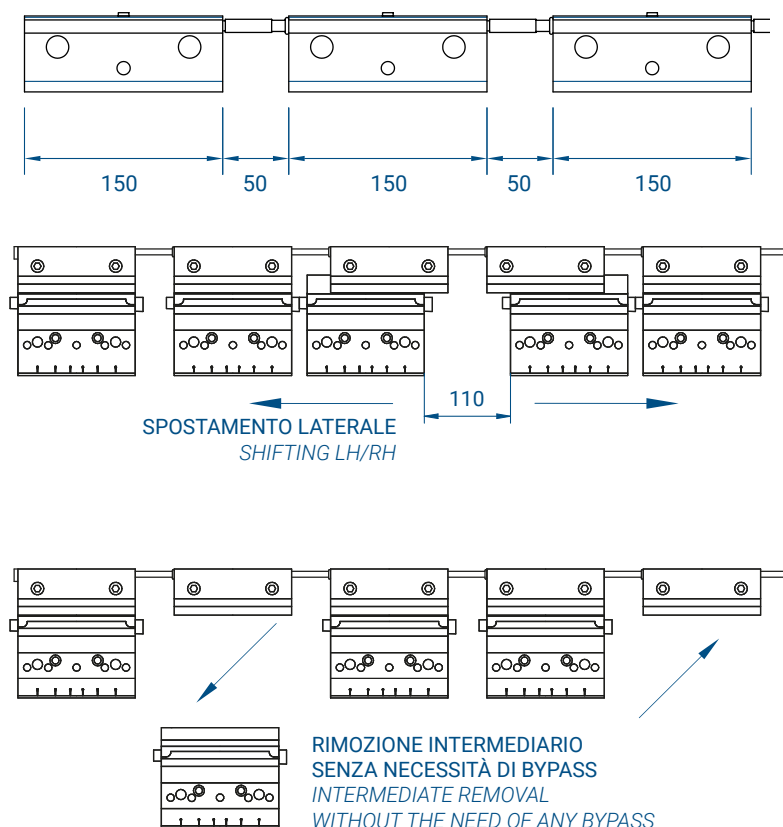
Soluzione raccomandata quando è necessario spostare (o rimuovere) gli intermediari con frequenza elevata.

### DESCRIPTION

*It must replace the actual standard clamps installed on the machine top beam (see 1 on page 219).*

*Each new top beam clamp is connected in series through a steel pipe and transfers the air flow to the connected intermediate by an internal valve that allows to shift the intermediate left or right and even to remove it without the need of any bypass.*

*This is the recommended solution when the intermediate shifting (or removal) operation must be performed many times a day.*



Modello / Model

## 4398

(P-TOP Z1)

150 mm 5,2 kg

**SISTEMA PNEUMATICO EUROGRIP P-TOP: STAFFA PNEUMATICA ASSEMBLATA SU INTERMEDIO SPECIFICO Z1 - RICHIEDE INSTALLAZIONE DI STAFFA PER TAVOLA SUPERIORE 4399**

**EUROGRIP PNEUMATIC SYSTEM P-TOP: PNEUMATIC CLAMP ASSEMBLED TO SPECIFIC Z1 STYLE INTERMEDIATE - IT IS MANDATORY TO INSTALL THE UPPER BEAM CLAMP 4399**



### DESCRIZIONE

Assieme completo costituito da una speciale staffa, ad azionamento pneumatico, installata su un intermedio speciale (Z1) di alta qualità, disegnato per alloggiare la staffa maggiorata (vedere 2 e 3 a pag. 219).

Ciascun nuovo intermedio verrà installato utilizzando le staffe 4399 che ne gestiranno l'alimentazione di aria compressa.

L'assieme intermedio 4391 è già predisposto per l'installazione delle staffe manuali posteriori opzionali, codice 4404 (fori passanti).

### SPECIFICHE TECNICHE

Solo su macchine predisposte ad installare intermedi di tipo Z1 (altezza 100mm; corpo 27mm; asse 7mm): tutte le dimensioni dell'intermedio devono essere verificate e confrontate con il disegno tecnico di questa pagina.

Peso= 6,2 Kg

Il codice 4398 identifica l'assieme intermedio + staffa superiore (4391+ 4399).

### DESCRIPTION

Full intermediate assembly made up of a special pneumatic clamp already installed over a special, superior quality (Z1), intermediate body conveniently machined for the movement of the operating fingers (see 2 and 3 on page 219).

Each new intermediate will be installed in place of the already existing one by utilizing the 4399 top beam clamp that will manage the pneumatic supply.

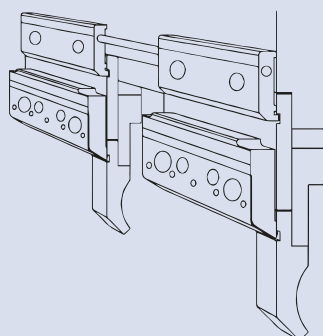
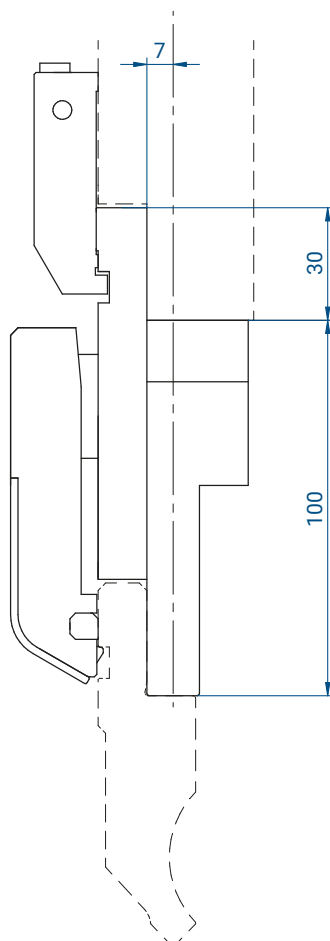
The intermediate assembly code 4391 is already set for installing the optional rear clamp manually operated, code 4404 (pass-through holes).

### TECHNICAL SPECIFICATIONS

Only on machines equipped for Z1 style intermediates (height 100mm; body width 27mm; bending axis located at 7mm). Please, verify the conformity of the existing intermediate to all of the dimension shown on the drawing.

Weight= 6,2Kg

The code 4398 identifies the assembly of intermediate + top beam clamp (4391+4399).



Modello / Model

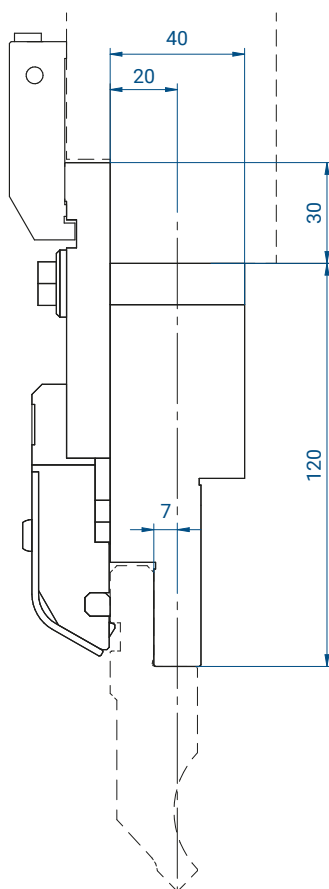
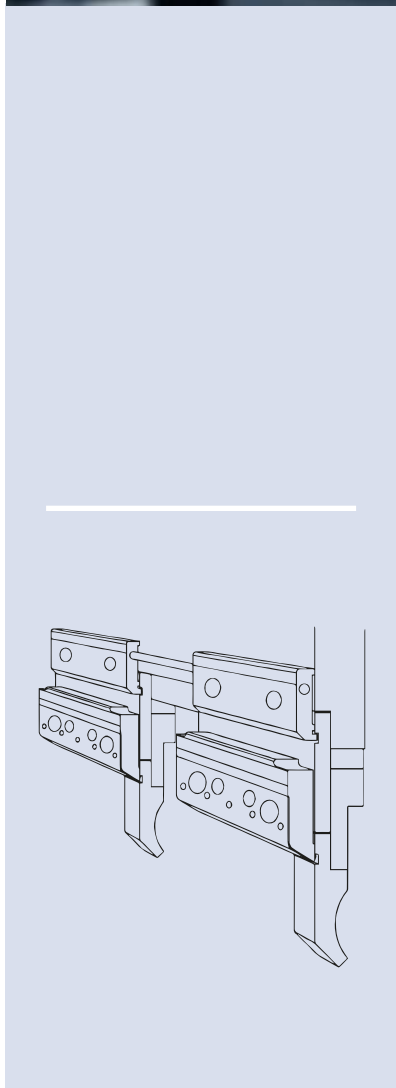
## 4410

(P-TOP Z2)

150 mm 5,2 kg

**SISTEMA PNEUMATICO EUROGRIP P-TOP: STAFFA PNEUMATICA ASSEMBLATA SU INTERMEDIO SPECIFICO Z2 RICHIEDE INSTALLAZIONE DI STAFFA PER TAVOLA SUPERIORE 4399**

**EUROGRIP PNEUMATIC SYSTEM P-TOP: PNEUMATIC CLAMP ASSEMBLED TO SPECIFIC Z2 STYLE INTERMEDIATE IT IS MANDATORY TO INSTALL THE UPPER BEAM CLAMP 4399**



### DESCRIZIONE

Assieme completo costituito da una speciale staffa, ad azionamento pneumatico, installata su un intermedio speciale (Z2) di alta qualità, disegnato per alloggiare la staffa maggiorata (vedere 2 e 3 a pag. 219).

Ciascun nuovo intermedio verrà installato utilizzando le staffe 4399 che ne gestiranno l'alimentazione di aria compressa.

L'assieme intermedio 4410 è già predisposto per l'installazione delle staffe manuali posteriori opzionali, codice 4404 (fori passanti).

### SPECIFICHE TECNICHE

Solo su macchine predisposte ad installare intermedi di tipo Z2 (altezza 120mm; corpo 40mm; asse 20mm): tutte le dimensioni dell'intermedio devono essere verificate e confrontate con il disegno tecnico di questa pagina.

Peso= 6,2 Kg

Il codice 4412 identifica l'assieme intermedio + staffa superiore (4410+ 4399).

### DESCRIPTION

Full intermediate assembly made up of a special pneumatic clamp already installed over a special, superior quality (Z2), intermediate body conveniently machined for the movement of the operating fingers (see 2 and 3 on page 219).

Each new intermediate will be installed in place of the already existing one by utilizing the 4399 top beam clamp that will manage the pneumatic supply.

The intermediate assembly code 4410 is already set for installing the optional rear clamp manually operated, code 4404 (pass-through holes).

### TECHNICAL SPECIFICATIONS

Only on machines equipped for Z2 style intermediates (height 120mm; body width 40mm; bending axis located at 20mm). Please, verify the conformity of the existing intermediate to all of the dimension shown on the drawing.

Weight= 6,2Kg

The code 4412 identifies the assembly of intermediate + top beam clamp (4410+4399).

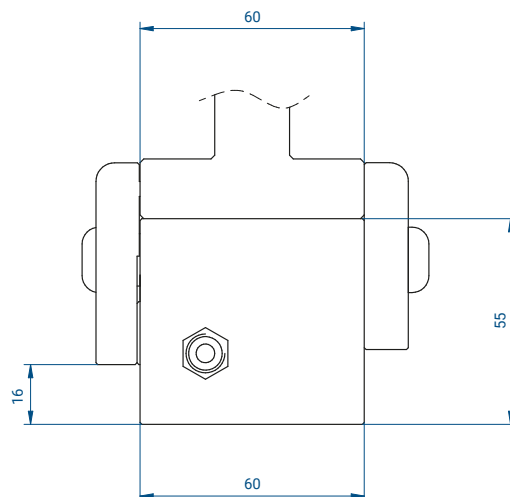
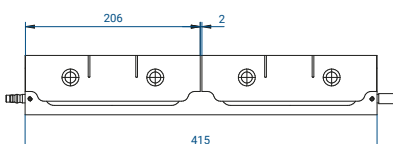
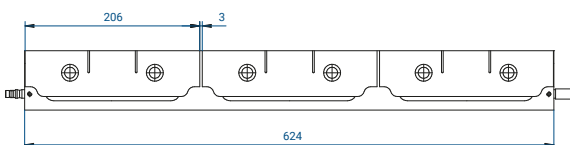
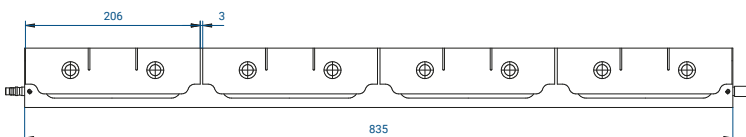
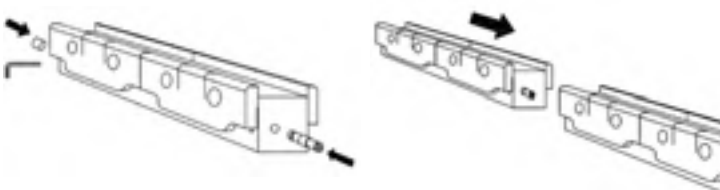
Modello / Model

**4394**  
(P-HOLD)

|        |         |
|--------|---------|
| 835 mm | 27,8 kg |
| 625 mm | 20,8 kg |
| 415 mm | 13,8 kg |

**SISTEMA PNEUMATICO INFERIORE EUROGRIP P-DHOLD: SUPPORTO AD AZIONAMENTO PNEUMATICO PER MATRICI STILE AMADA**

**EUROGRIP LOWER PNEUMATIC SYSTEM P-DHOLD: PNEUMATIC DIE HOLDER FOR AMADA STYLE DIES**



## DESCRIZIONE

Supporto matrici modulare in stile Europeo (Stile Amada/Promecam). Sul lato frontale monta una serie di staffe ad azionamento pneumatico. Ogni modulo si connette al successivo tramite un connettore a scomparsa. Sistema raccomandato per clienti che devono sostituire frequentemente gli utensili inferiori perché consente il blocco/sblocco simultaneo di tutti gli utensili inferiori con la sola pressione di un pulsante.

## SPECIFICHE TECNICHE

Installabile su macchine con tavola inferiore piana conforme allo standard stile Europeo (stile Amada /Promecam). Disponibile in moduli con lunghezza 835mm; 415mm; 625mm.

## DESCRIPTION

Modular lower die support based on the standard European style (Amada/Promecam style) that carry on its front side a series of pneumatic clamps. Each module connects to the next one through a foldaway connector. This solution is recommended to those customers used to replace frequently the lower tooling because it allows to clamp/unclamp the whole lower table by simply operate a button.

## TECHNICAL SPECIFICATIONS

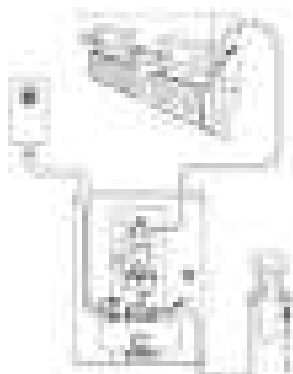
Can be installed on any machine equipped with a lower flat table that conforms to the European style (Amada/Promecam style). Available in modules long 835mm; 415mm; 625mm.

Per gestire i sistemi pneumatici Eurogrip è necessario installare una unità di controllo pneumatica, che contiene la componentistica elettrica e pneumatica per pilotare il sistema, oltre ad un kit, specifico per il modello ordinato, che comprende i tubi, i cavi ed i connettori da utilizzare per installare correttamente il sistema.

*In order to manage correctly any Eurogrip pneumatic system it is required to install a pneumatic control unit, that contains the electric and pneumatic system components necessary for driving the system, and to utilize a hardware kit, specific for the ordered system, that includes the supply of the pipes, cables and connectors required for the correct installation of the system.*

Modello / Model

### 4395 (single line)



SISTEMA PNEUMATICO EUROGRIP:  
CENTRALINA PNEUMATICA LINEA  
SINGOLA, COMPRENSIVA DI  
ACCESSORI

EUROGRIP PNEUMATIC SYSTEM:  
PNEUMATIC CONTROL UNIT SINGLE  
LINE, ACCESSORIES INCLUDED

#### DESCRIZIONE

Si connette alla sorgente di aria compressa disponibile in officina (pressione minima ingresso 6 Bar). Gestisce la pressione in uscita verso il sistema di connessione tramite una sola uscita per pilotare solamente un sistema di connessione (superiore o inferiore). Contiene i circuiti di controllo e di sicurezza.

#### DESCRIPTION

*It connects to the job shop pressurized air supply (minimum input pressure 6 Bar).*

*It manages the output pressure to the clamping system through only one output connector (only upper or only lower).*

*It contains all of the electrical connections and the safety system.*

#### DESCRIZIONE

Si connette alla sorgente di aria compressa disponibile in officina (pressione minima ingresso 6 Bar). Gestisce la pressione in uscita verso il sistema di connessione tramite due sole uscite per pilotare entrambi i sistemi di connessione (superiore e inferiore). Contiene i circuiti di controllo e di sicurezza.

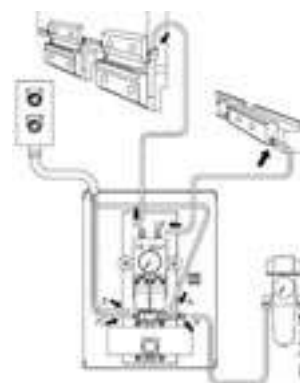
#### DESCRIPTION

*It connects to the job shop pressurized air supply (minimum input pressure 6 Bar). It manages the output pressure to the clamping system through two output connector (upper and lower).*

*It contains all of the electrical connections and the safety system.*

Modello / Model

### 4396 (two lines)



SISTEMA PNEUMATICO EUROGRIP: CENTRALINA PNEUMATICA LINEA DOPPIA, COMPRENSIVA DI ACCESSORI

EUROGRIP PNEUMATIC SYSTEM:  
PNEUMATIC CONTROL UNIT  
DOUBLE LINE, ACCESSORIES  
INCLUDED

Modello / Model

### 4397 (KIT P-EASY)

SISTEMA PNEUMATICO EUROGRIP:  
KIT CONNESSIONI P-EASY

EUROGRIP PNEUMATIC SYSTEM:  
P-EASY CONNECTION KIT

#### DESCRIZIONE

Assieme dei componenti necessari per installare e collegare il sistema P-EASY.

#### DESCRIPTION

*Assembly of hardware required for installing and connecting the P-EASY system.*

Modello / Model

### 4381 (KIT P-TOP)

SISTEMA PNEUMATICO EUROGRIP:  
KIT CONNESSIONI P-TOP

EUROGRIP PNEUMATIC SYSTEM:  
P-TOP CONNECTION KIT

#### DESCRIZIONE

Assieme dei componenti necessari per installare e collegare il sistema P-TOP.

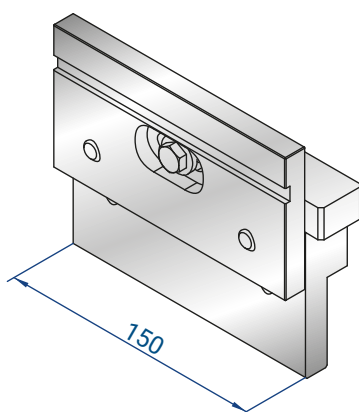
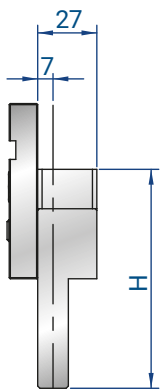
#### DESCRIPTION

*Hardware kit required for installing and connecting the P-TOP system.*

## INTERMEDIARI REGISTRABILI ADJUSTABLE INTERMEDIATES

GLI INTERMEDIARI REGISTRABILI (COMPLETI CON CUNEO PER CENTINATURA) POTREBBERO ESSERE FORNITI IN VERSIONE MONOLITICA OPPURE ASSEMBLATA (CORPO INTERMEDIARIO + PIASTRA FRONTALE)

THE ADJUSTABLE INTERMEDIATES (ASSEMBLED WITH THE ADJUSTABLE WEDGE) COULD BE SUPPLIED IN MONOLITHIC VERSION OR IN THE ASSEMBLED VERSION (INTERMEDIATE BODY + FRONT PLATE)



### 4221

H = 100

150 mm 3,6 kg

### 4222

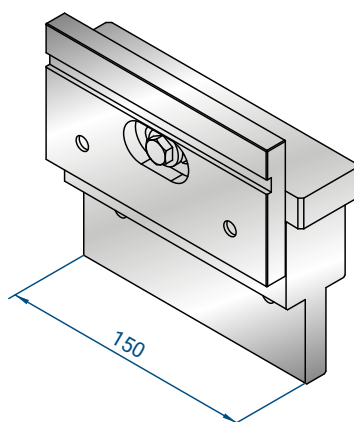
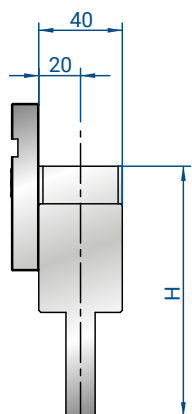
H = 120

150 mm 4,6 kg

### 4223

H = 150

150 mm 6,0 kg



### 4224

H = 100

150 mm 4,2 kg

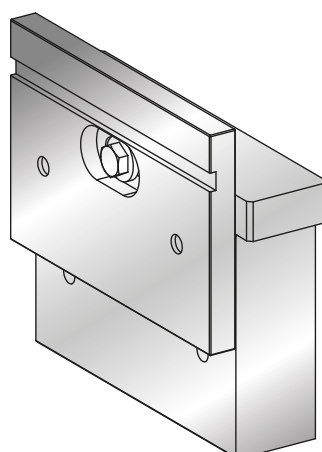
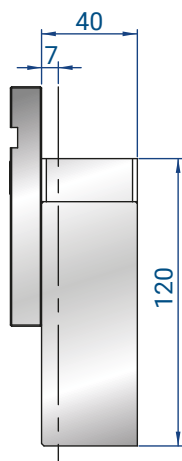
SOLO COMPATIBILE  
CON STAFFA 5012

COMPATIBLE ONLY  
WITH CLAMP 5012

### 4225

H = 120

150 mm 5,3 kg



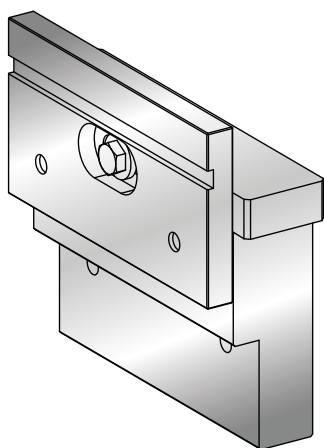
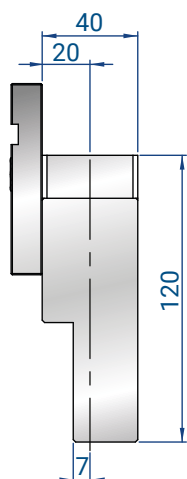
### 4073 - HD

H = 120

150 mm 7,2 kg

PER ALTI  
TONNELLAGGI  
HEAVY DUTY

## INTERMEDIARI REGISTRABILI ADJUSTABLE INTERMEDIATES



**4411-HD**

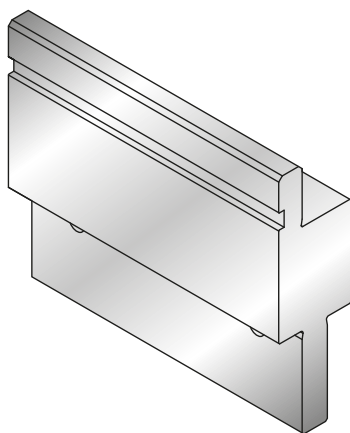
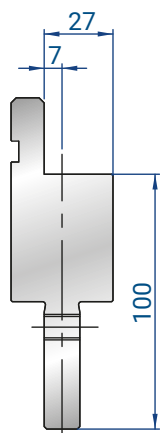
H = 120

150 mm 6,1 kg

PER ALTI  
TONNELLAGGI

HEAVY DUTY

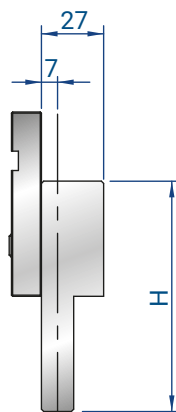
## INTERMEDIARI FISSI / FIXED INTERMEDIATES



**4282**

H = 100

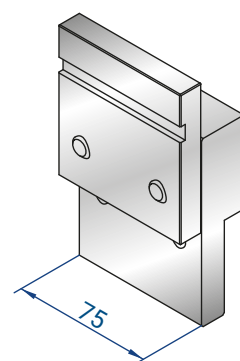
150 mm 3,8 kg



**4226**

H = 100

75 mm 1,8 kg



**4227**

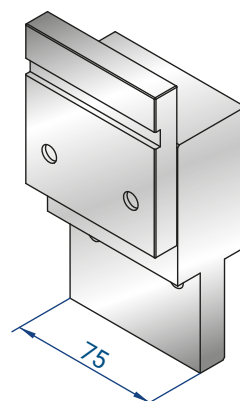
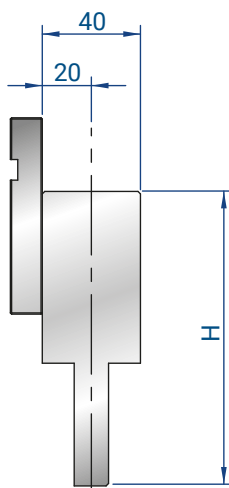
H = 150

75 mm 2,9 kg

**4228**

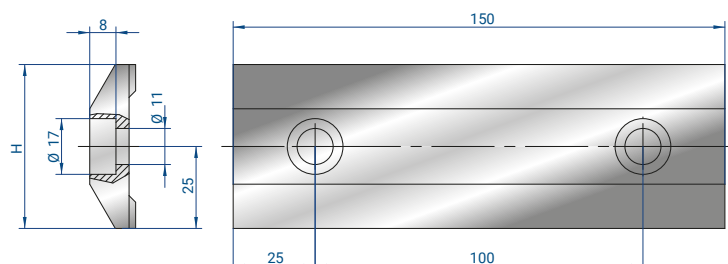
H = 120

75 mm 2,6 kg



LE VITI STANDARD M10X35 VERRANNO INCLUSE SOLO PER ORDINI RELATIVI AD ASSIEME INTERMEDIO PIÙ STAFFA

THE STANDARD SCREWS M10X35 WILL BE INCLUDED ONLY FOR ORDERS RELATED TO INTERMEDIATE PLUS CLAMP ASSEMBLIES



DA INSTALLARE UTILIZZANDO  
VITI STANDARD M10X35  
TO BE INSTALLED WITH STANDARD  
SCREWS M10X35

**4016**

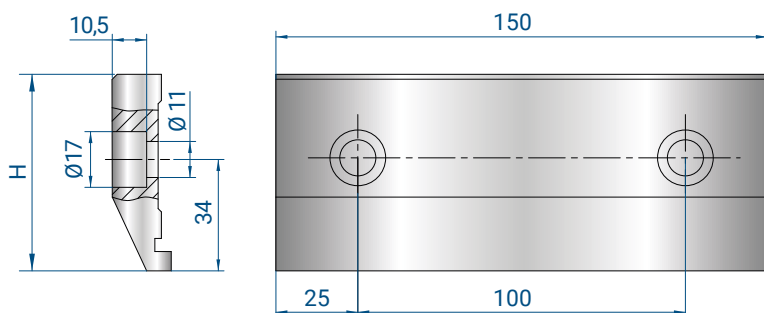
H = 50

150 mm 0,6 kg

**5013**

H = 43

150 mm 0,6 kg



DA INSTALLARE UTILIZZANDO  
VITI STANDARD M10X35  
TO BE INSTALLED WITH STANDARD  
SCREWS M10X35

**4020**

H = 60

150 mm 0,8 kg

**5012**

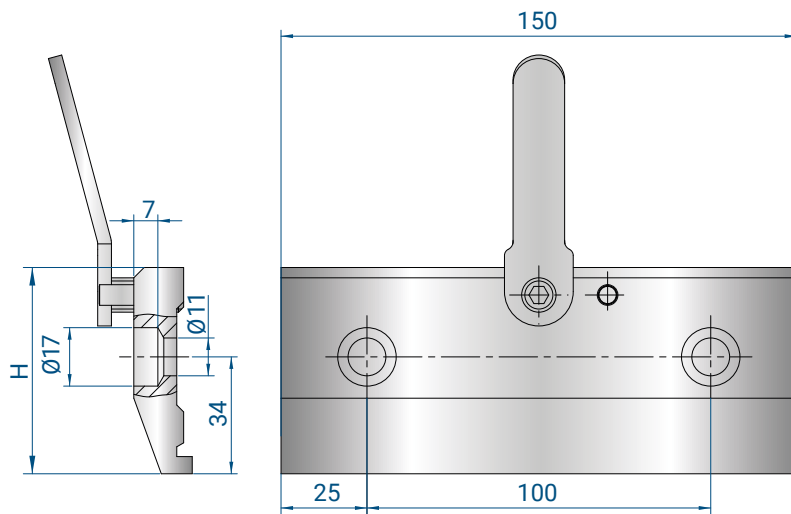
H = 52

150 mm 0,7 kg

✗ #4000; #4224

✓ #4000; #4224





**4021**

H = 60

150 mm 0,9 kg

✗ #4000; #4224

**5011**

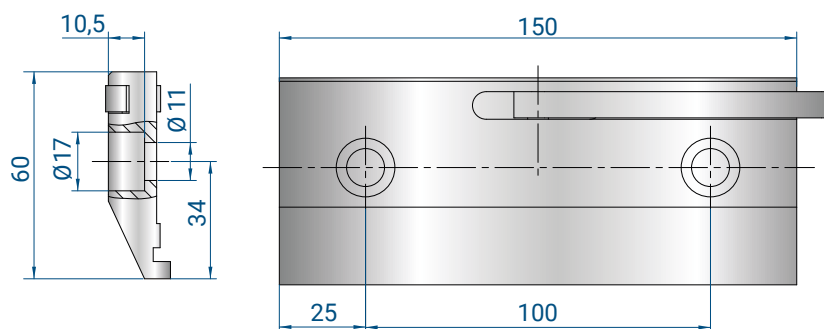
H = 52

150 mm 0,8 kg

✓ #4000

DA INSTALLARE UTILIZZANDO LE VITI SPECIALI 4281 (IN DOTAZIONE)

TO BE INSTALLED WITH SPECIAL SCREWS 4281 (SUPPLIED WITH THE CLAMP)



**4009**

H = 60

150 mm 0,9 kg

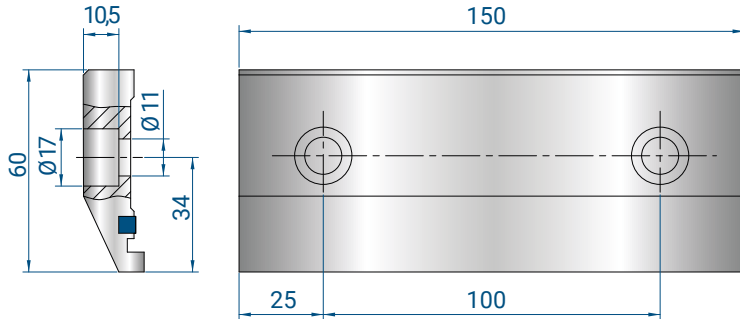
✗ #4000; #4001; #4224

DA INSTALLARE UTILIZZANDO VITI STANDARD M10X35

TO BE INSTALLED WITH STANDARD SCREWS M10X35

LE VITI STANDARD M10X35 VERRANNO INCLUSE SOLO PER ORDINI RELATIVI AD ASSIEME INTERMEDIO PIÙ STAFFA

THE STANDARD SCREWS M10X35 WILL BE INCLUDED ONLY FOR ORDERS RELATED TO INTERMEDIATE PLUS CLAMP ASSEMBLIES



**4199**

H = 60

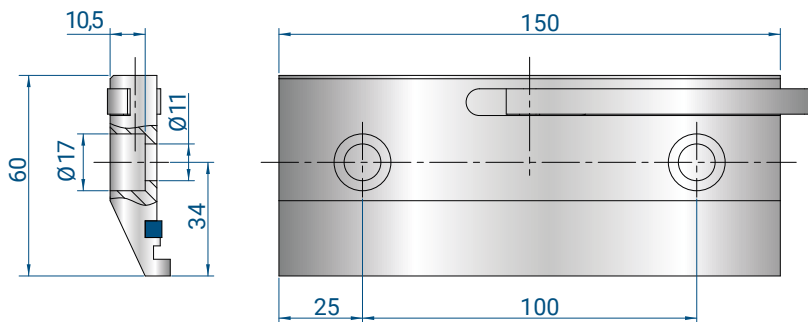
150 mm 0,8 kg

DA INSTALLARE  
UTILIZZANDO VITI  
STANDARD M10X35

TO BE INSTALLED WITH  
STANDARD SCREWS  
M10X35



#4000; #4001; #4224



**4220**

H = 60

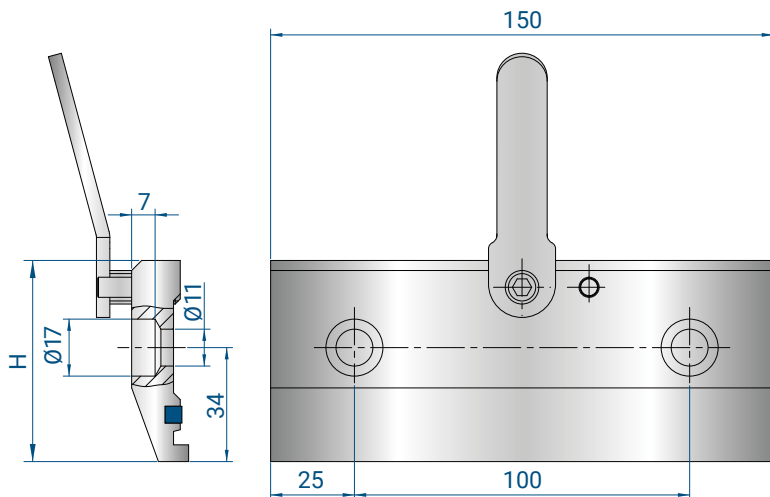
150 mm 0,8 kg

DA INSTALLARE  
UTILIZZANDO VITI  
STANDARD M10X35

TO BE INSTALLED WITH  
STANDARD SCREWS  
M10X35



#4000; #4001; #4224



**4219**

H = 60

150 mm 0,9 kg

DA INSTALLARE  
UTILIZZANDO LE VITI  
SPECIALI 4281 (IN  
DOTAZIONE)

TO BE INSTALLED WITH  
SPECIAL SCREWS 4281  
(SUPPLIED WITH THE  
CLAMP)



#4000; #4224

**4349**

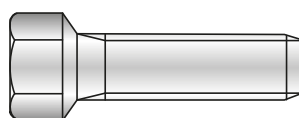


LISTELLO IN POLIURETANO,  
RICAMBIO PER STAFFE:

POLYURETHANE STRIP,  
SPARE PART FOR:

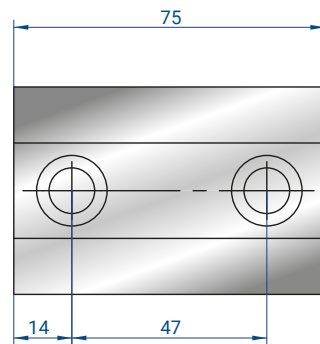
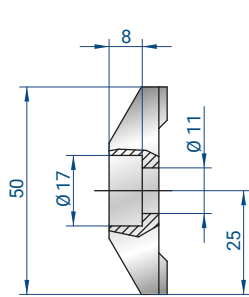
#4199; #4220; #4219

**4281**



VITI SPECIALI PER  
STAFFE 4021-5011-  
4219-4007, FORNITE  
CON STAFFA

SPECIAL SCREWS FOR  
CLAMPS 4021-5011-  
4219-4007, SUPPLIED  
WITH CLAMP



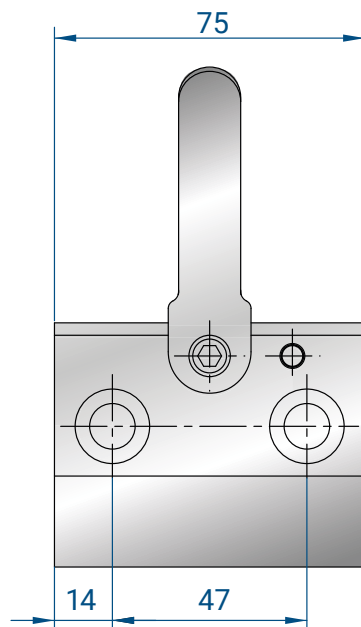
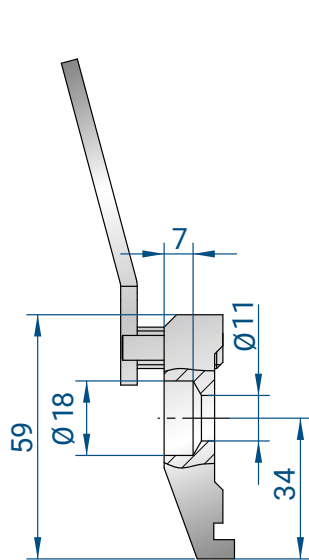
**4008**

H = 50

|       |        |
|-------|--------|
| 75 mm | 0,3 kg |
|-------|--------|

DA INSTALLARE  
UTILIZZANDO VITI  
STANDARD M10X35

TO BE INSTALLED WITH  
STANDARD SCREWS  
M10X35



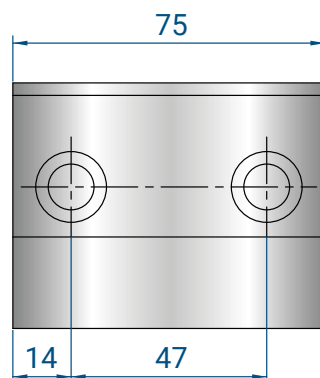
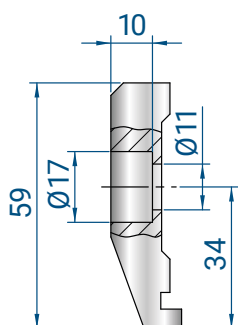
**4007**

H = 59

|       |        |
|-------|--------|
| 75 mm | 0,5 kg |
|-------|--------|

DA INSTALLARE  
UTILIZZANDO LE VITI  
SPECIALI 4281

TO BE INSTALLED WITH  
SPECIAL SCREWS 4281



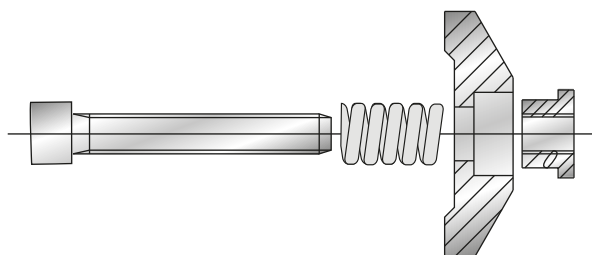
**4090**

H = 59

|       |        |
|-------|--------|
| 75 mm | 0,4 kg |
|-------|--------|

DA INSTALLARE  
UTILIZZANDO VITI  
STANDARD M10X35

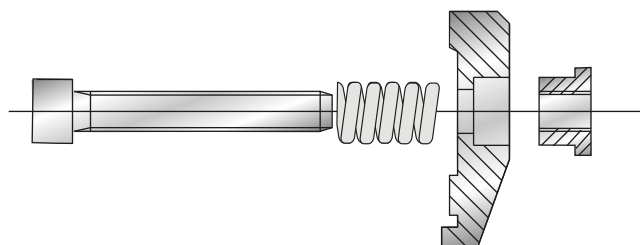
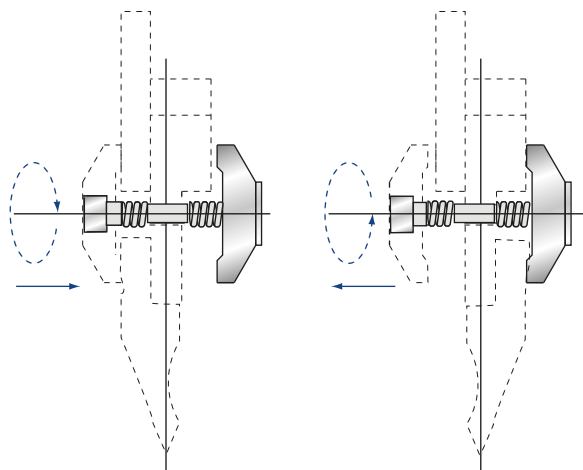
TO BE INSTALLED WITH  
STANDARD SCREWS  
M10X35



**4031**

**KIT PER DOPPIO STAFFAGGIO**  
*EQUIPMENT FOR DOUBLE CLAMPING*

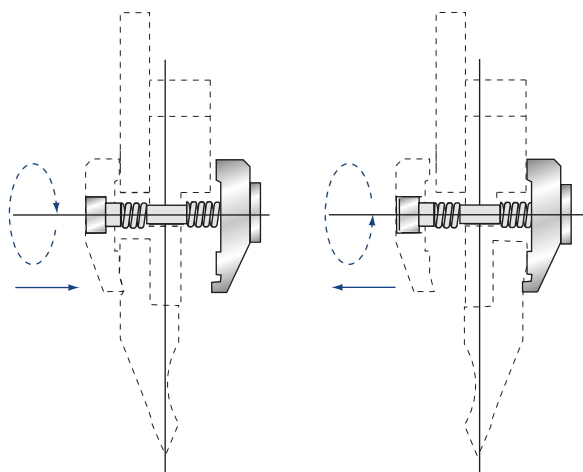
|        |        |
|--------|--------|
| 150 mm | 1,0 kg |
|--------|--------|



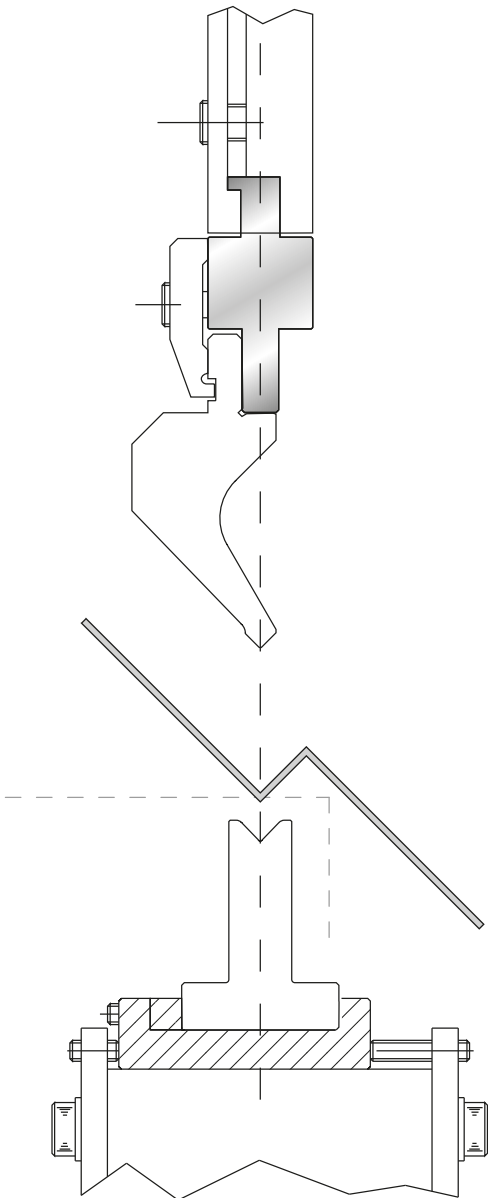
**4032**

**KIT PER DOPPIO STAFFAGGIO**  
*EQUIPMENT FOR DOUBLE CLAMPING*

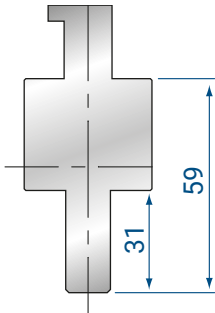
|        |        |
|--------|--------|
| 150 mm | 1,2 kg |
|--------|--------|



ADATTATORI GENERICI PER UTENSILI SUPERIORI AMADA/PROMECAM STYLE  
 GENERIC UPPER ADAPTERS FOR AMADA/PROMECAM STYLE TOOLING



ORDINE MINIMO N. 5 ADATTATORI  
 MINIMUM ORDER N. 5 ADAPTERS

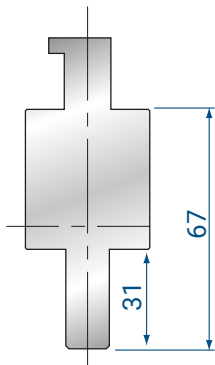


4000

150 mm1,5 kg

STAFFA / CLAMP

5011; 5012

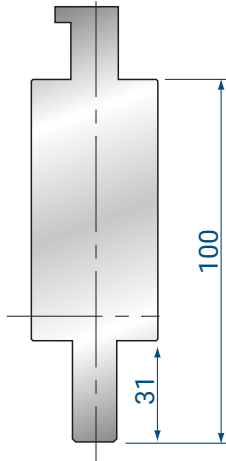


4001

150 mm2,0 kg

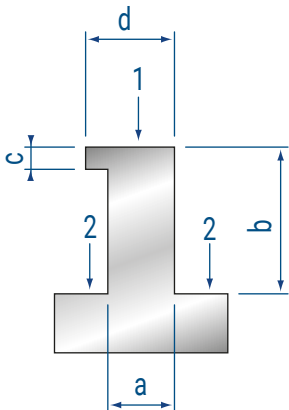
STAFFA / CLAMP

Max H = 60mm



4002

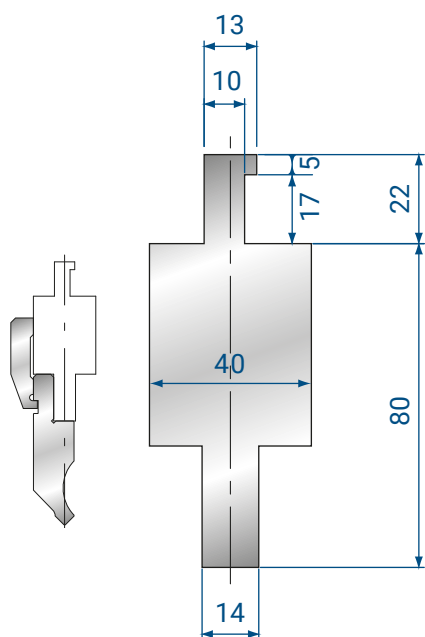
150 mm3,5 kg



|     | 1 | 2 |
|-----|---|---|
| a = |   |   |
| b = |   |   |
| c = |   |   |
| d = |   |   |

INDICARE QUOTE D'ATTACCO  
 E PUNTI DI SPINTA (1,2)

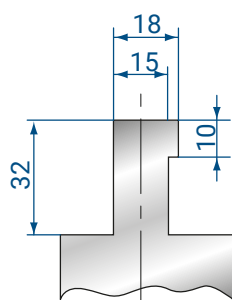
PLEASE MARK CONTACT POINTS  
 AND PRESSURE POINTS (1,2)



**4143**

LVD STYLE S  
(small)  
STANDARD

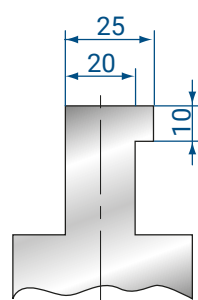
150 mm 3,0 kg



**4144**

LVD STYLE M  
(medium)  
SPECIAL

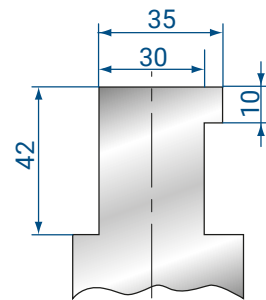
150 mm 3,0 kg



**4145**

LVD STYLE L  
(large)  
SPECIAL

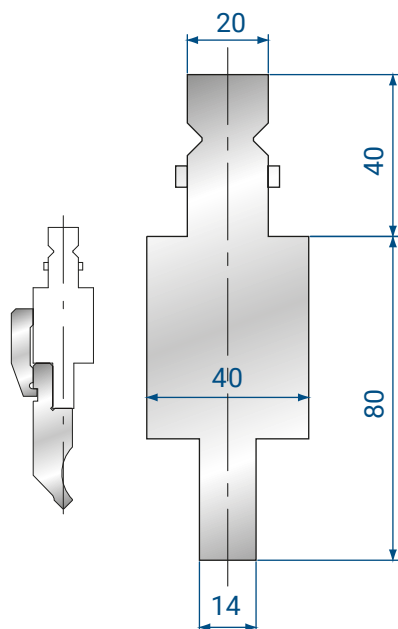
150 mm 3,0 kg



**4146**

LVD STYLE XL  
(Extra Large)  
SPECIAL

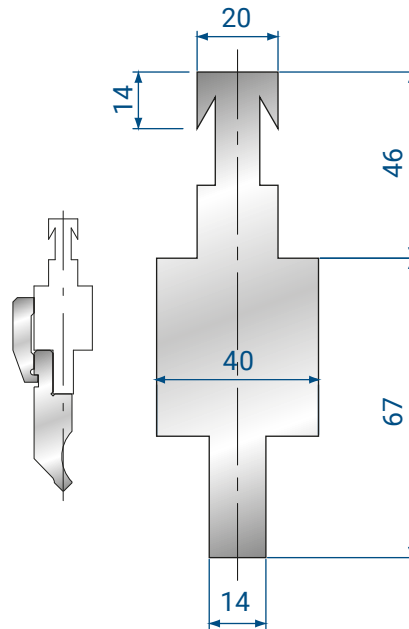
150 mm 3,0 kg



**4191**

TRUMPF/WILA  
STYLE

150 mm 3,6 kg

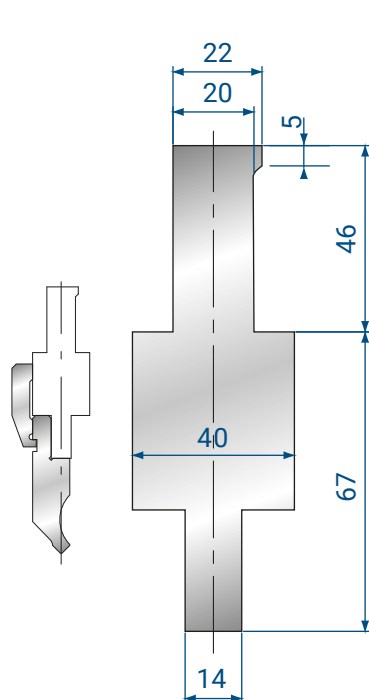


**4192**

BYSTRONIC-R  
STYLE

150 mm 3,0 kg

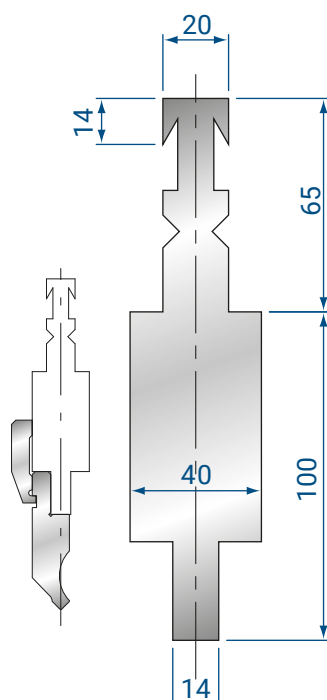
# ADATTORI SPECIFICI PER UTENSILI SUPERIORI AMADA/PROMECAM SPECIFIC UPPER ADAPTERS FOR AMADA/PROMECAM STYLE TOOLING



**4193**

**BYSTRONIC - S  
STYLE**

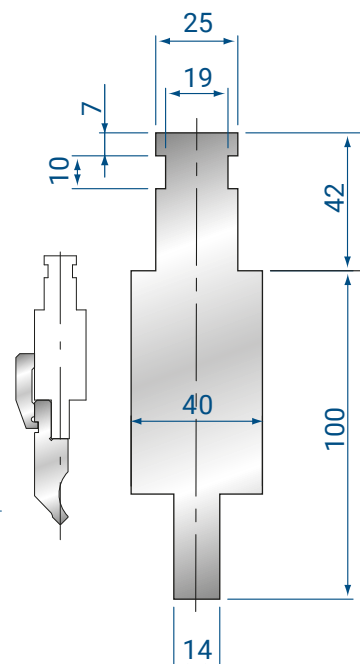
150 mm 3,2 kg



**4214**

**BYSTRONIC -  
RF-A STYLE**

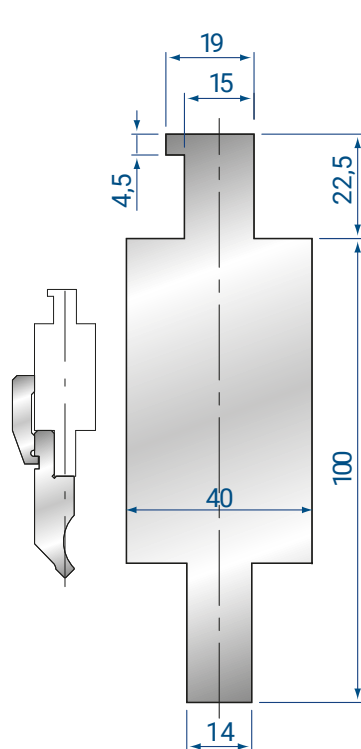
150 mm 5,0 kg



**4215**

**WEINBRENNER  
STYLE**

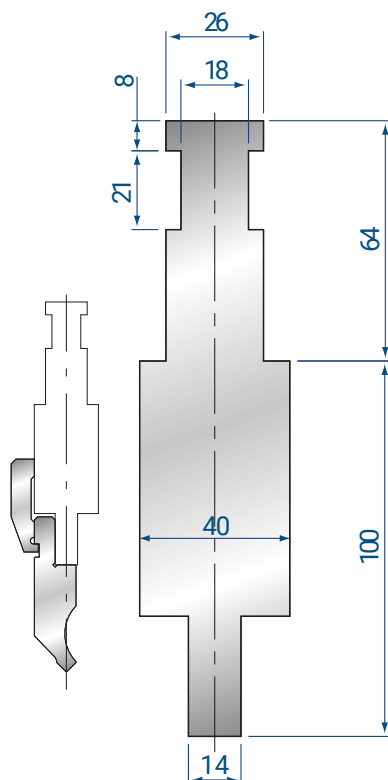
150 mm 4,8 kg



**4216**

**CBC STYLE**

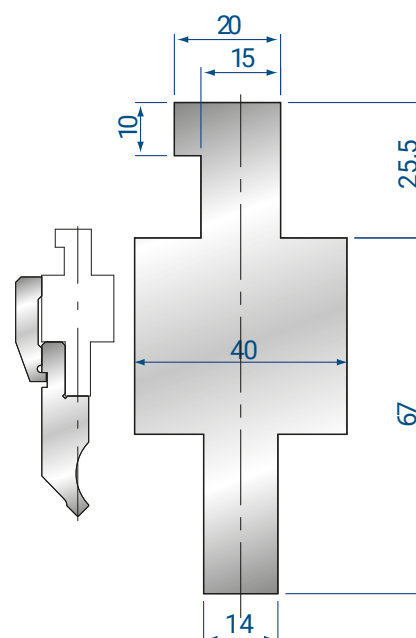
150 mm 4,1 kg



**4217**

**EHT STYLE**

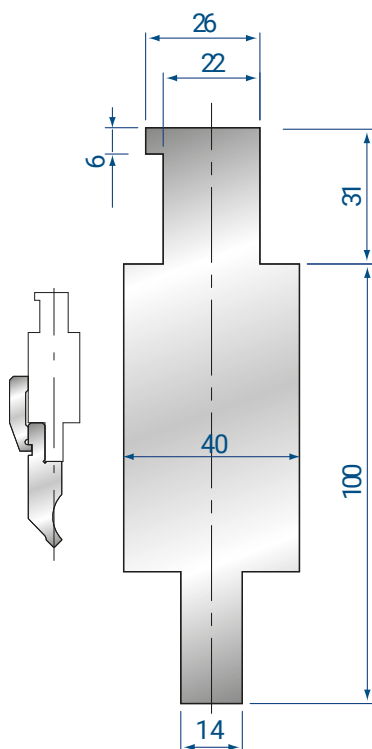
150 mm 5,4 kg



**4218**

**DURMAZLAR  
STYLE**

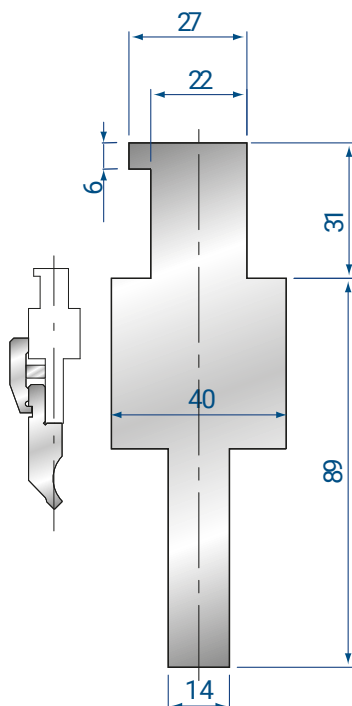
150 mm 2,6 kg



**4229**

**DARLEY STYLE**

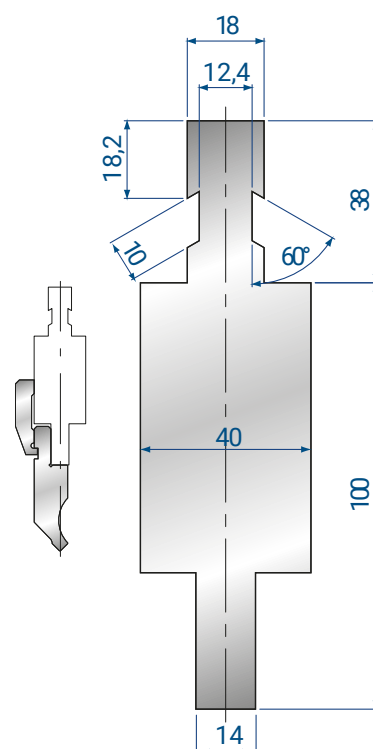
|        |        |
|--------|--------|
| 150 mm | 4,5 kg |
|--------|--------|



**4272**

**BAYKAL STYLE**

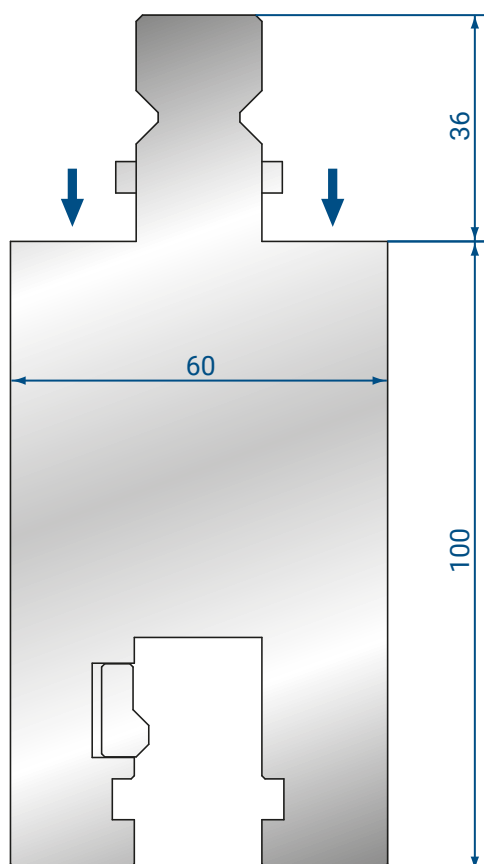
|        |        |
|--------|--------|
| 150 mm | 3,5 kg |
|--------|--------|



**4273**

**COLGAR STYLE**

|        |        |
|--------|--------|
| 150 mm | 4,4 kg |
|--------|--------|

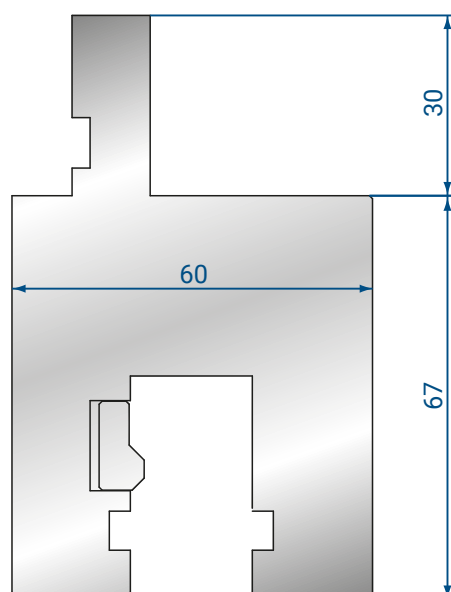


**4361**

**PROLUNGA / EXTENTION FOR  
TRUMPF / WILA STYLE**

**H = 100**

|        |        |
|--------|--------|
| 150 mm | 7,0 kg |
|--------|--------|

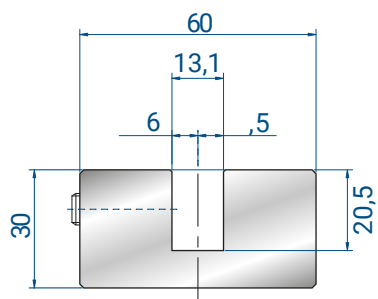


**4362**

**ADATTATORE / ADAPTER  
FROM AMADA STYLE TO  
TRUMPF / WILA STYLE**

**H = 67**

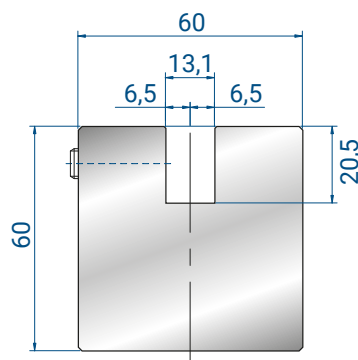
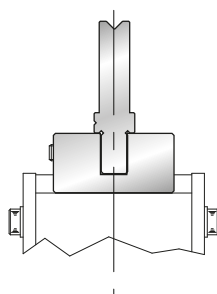
|        |        |
|--------|--------|
| 150 mm | 4,0 kg |
|--------|--------|



## 4301

FROM AMADA STYLE  
TO TRUMPF - WILA -  
BYSTRONIC STYLE

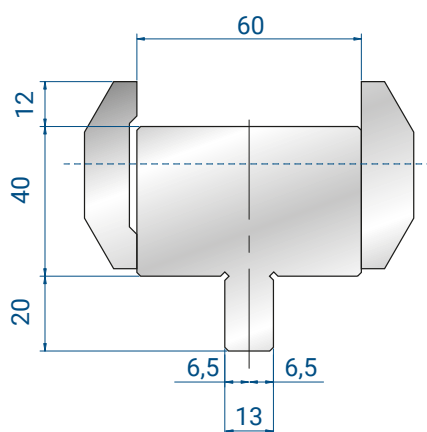
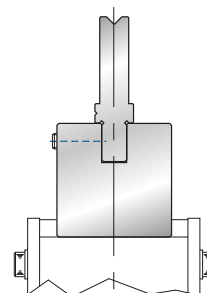
|         |         |
|---------|---------|
| 1000 mm | 11,9 kg |
| 500 mm  | 6,0 kg  |



## 4302

FROM AMADA STYLE  
TO TRUMPF - WILA -  
BYSTRONIC STYLE

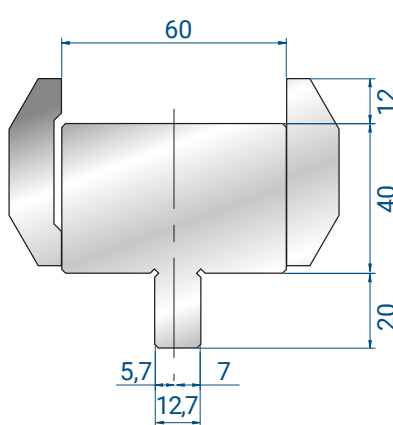
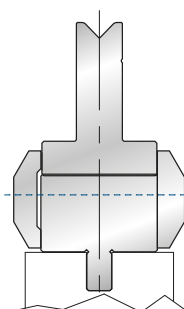
|         |         |
|---------|---------|
| 1000 mm | 26,0 kg |
| 500 mm  | 13,0 kg |



## 4303

FROM TRUMPF - WILA - BYSTRONIC  
STYLE TO AMADA STYLE

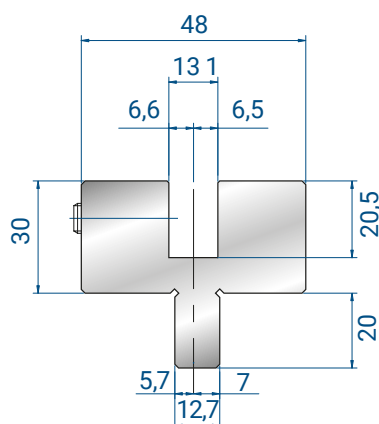
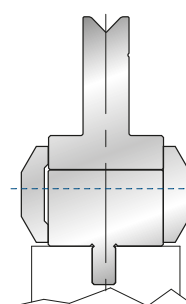
|        |         |
|--------|---------|
| 835 mm | 21,3 kg |
| 415 mm | 11,2 kg |



## 4304

FROM LVD STYLE TO  
AMADA STYLE

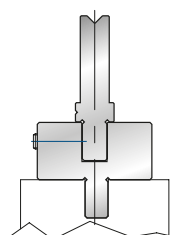
|        |         |
|--------|---------|
| 835 mm | 21,3 kg |
| 415 mm | 11,2 kg |



## 4305

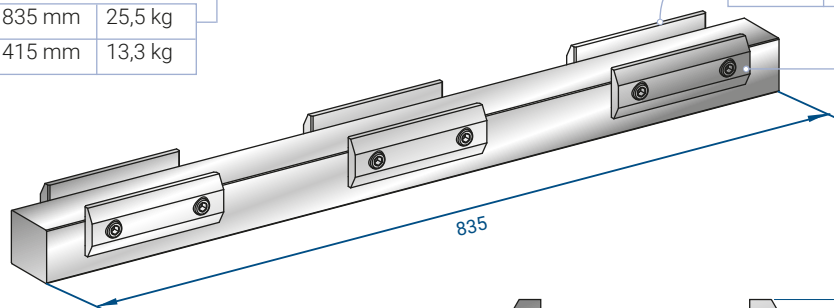
FROM LVD STYLE TO TRUMPF -  
WILA - BYSTRONIC STYLE

|         |         |
|---------|---------|
| 1000 mm | 11,0 kg |
| 500 mm  | 11,0 kg |



## 4033

|        |         |
|--------|---------|
| 835 mm | 25,5 kg |
| 415 mm | 13,3 kg |

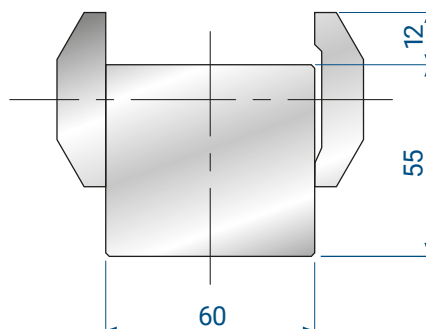


## 4034

|        |        |
|--------|--------|
| 150 mm | 0,7 kg |
|--------|--------|

## 4016

|        |        |
|--------|--------|
| 150 mm | 0,6 kg |
|--------|--------|

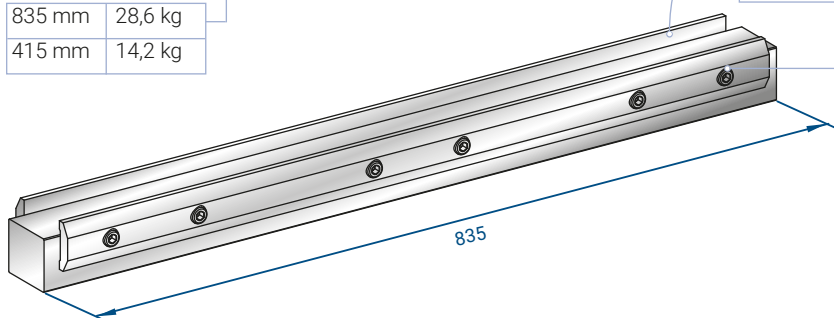


**CONTROTAVOLA  
AMADA STYLE**

**AMADA STYLE  
LOWER ADAPTER**

## 4050

|        |         |
|--------|---------|
| 835 mm | 28,6 kg |
| 415 mm | 14,2 kg |

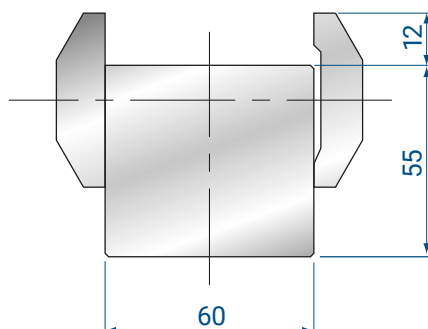


## 4041

|        |        |
|--------|--------|
| 800 mm | 3,6 kg |
| 380 mm | 1,7 kg |

## 4040

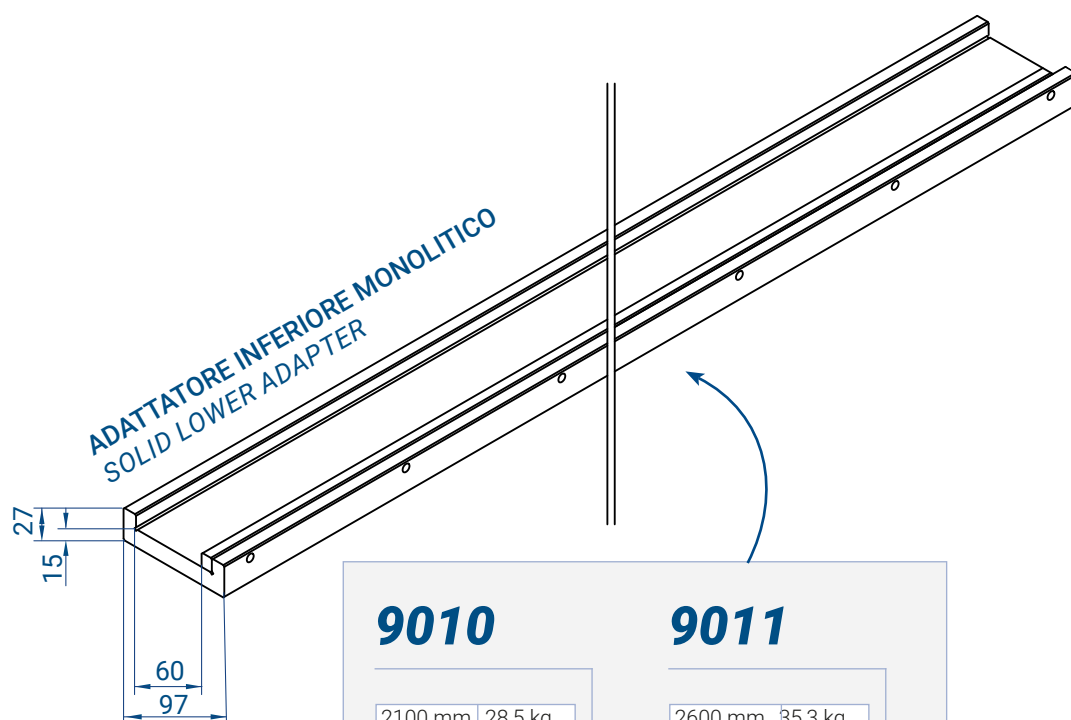
|        |       |
|--------|-------|
| 800 mm | 3,3kg |
| 380 mm | 1,6kg |



**CONTROTAVOLA  
AMADA STYLE**

**AMADA STYLE  
LOWER ADAPTER**

# ADATTATORI PER UTENSILI INFERIORI STILE AMADA/PROMECAM LOWER ADAPTERS FOR LOWER TOOLING AMADA/PROMECAM STYLE



**9010**

2100 mm 28,5 kg

**9011**

2600 mm 35,3 kg

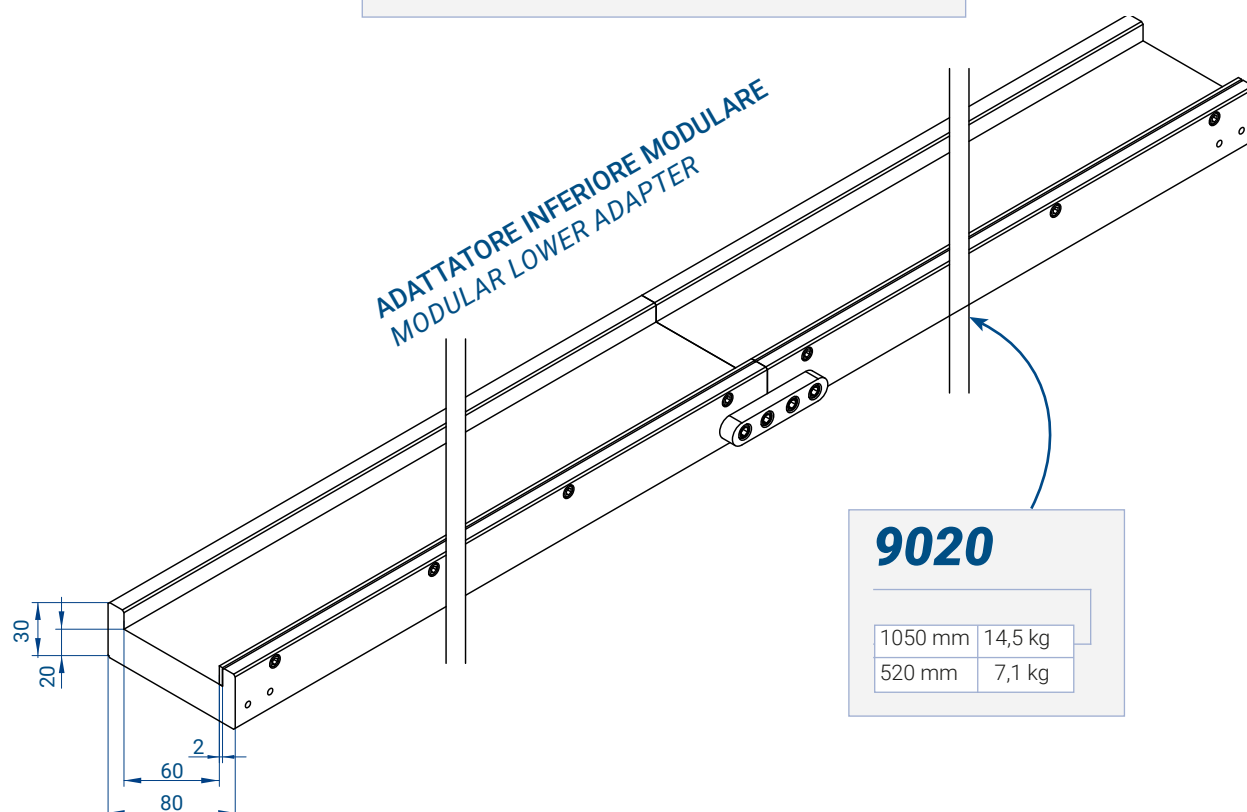
**9012**

3100 mm 42,0 kg

**9013**

4100 mm 55,6 kg

**ADATTATORE INFERIORE MODULARE**  
MODULAR LOWER ADAPTER

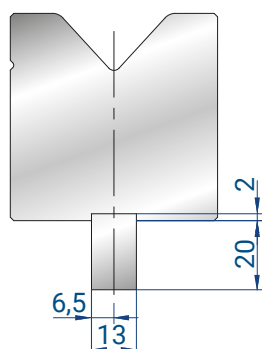


**9020**

1050 mm 14,5 kg

520 mm 7,1 kg

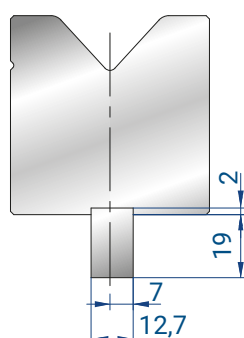
# ATTACCHI SU RICHIESTA TANGS ON REQUEST



## 8100

BYSTRONIC /  
TRUMPF STYLE

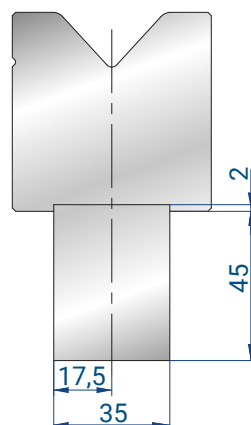
|        |        |
|--------|--------|
| 832 mm | 1,8 kg |
| 412 mm | 0,9 kg |



## 8101

LVD STYLE

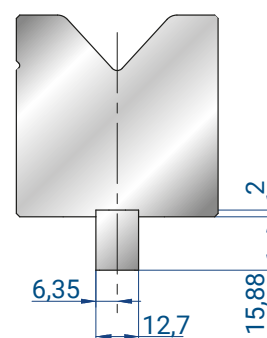
|        |        |
|--------|--------|
| 832 mm | 1,8 kg |
| 412 mm | 0,9 kg |



## 8102

WEINBRENNER  
STYLE

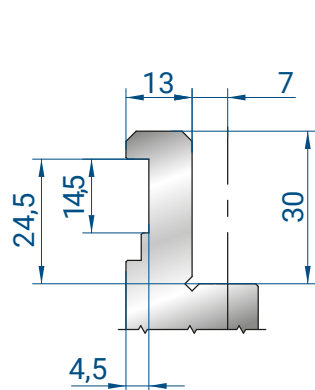
|        |         |
|--------|---------|
| 832 mm | 10,5 kg |
| 412 mm | 5,2 kg  |



## 8107

AMERICAN  
STYLE

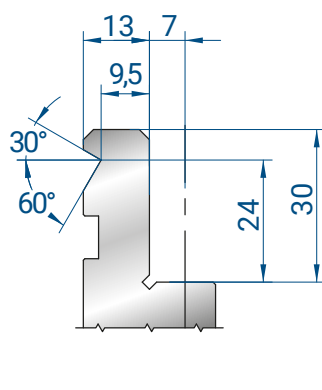
|        |        |
|--------|--------|
| 832 mm | 1,4 kg |
| 412 mm | 0,7 kg |



## 8010

BARRETTA  
STYLE

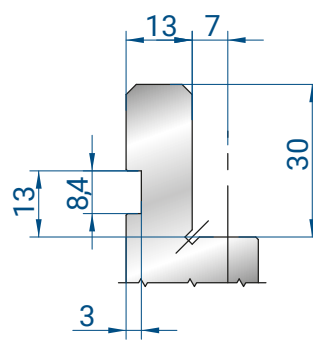
|                     |
|---------------------|
| 835 mm              |
| 415 mm              |
| 805 mm<br>SEZIONATO |



## 8011

BMB STYLE

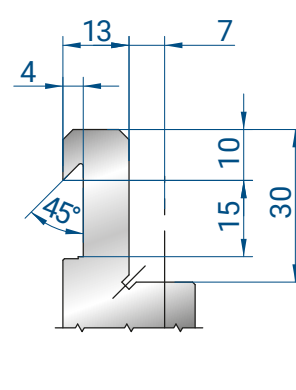
|                     |
|---------------------|
| 835 mm              |
| 415 mm              |
| 805 mm<br>SEZIONATO |



## 8012

AMADA /  
PROMECAM  
STYLE

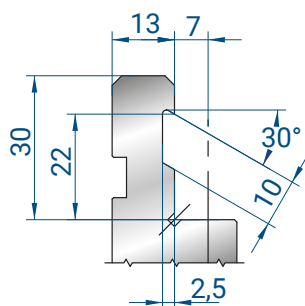
STANDARD



## 8013

GASPARINI  
STYLE

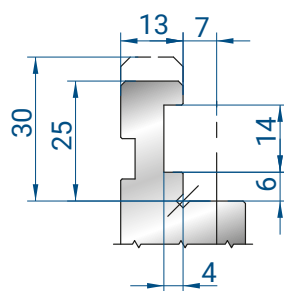
|                     |
|---------------------|
| 835 mm              |
| 415 mm              |
| 805 mm<br>SEZIONATO |



**8014**

**TEDA STYLE**

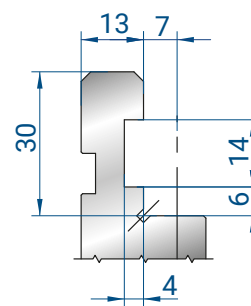
|                     |
|---------------------|
| 835 mm              |
| 415 mm              |
| 805 mm<br>SEZIONATO |



**8016**

**EURO  
BYSTRONIC  
STYLE**

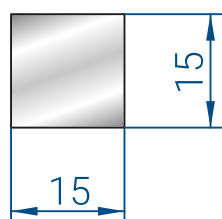
|                     |
|---------------------|
| 835 mm              |
| 415 mm              |
| 805 mm<br>SEZIONATO |



**8017**

**BYSTRONIC  
STYLE**

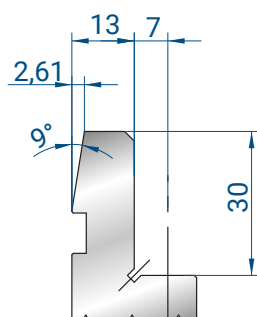
|                     |
|---------------------|
| 835 mm              |
| 415 mm              |
| 805 mm<br>SEZIONATO |



**8106**

**TRAFILATI 15X15  
SQUARE BAR 15X15**

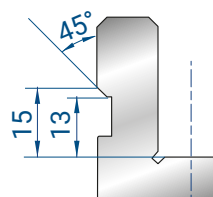
|        |        |
|--------|--------|
| 835 mm | 2,9 kg |
|--------|--------|



**8020**

**ONE TOUCH  
STYLE**

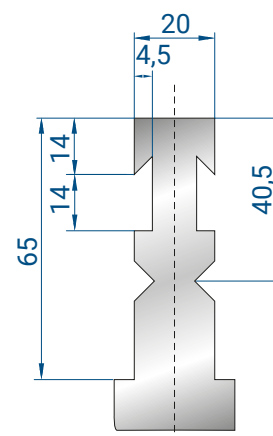
|                     |
|---------------------|
| 835 mm              |
| 415 mm              |
| 805 mm<br>SEZ ONATO |



**8021**

**SMART CLAMP  
STYLE**

|                     |
|---------------------|
| 835 mm              |
| 415 mm              |
| 805 mm<br>SEZ ONATO |

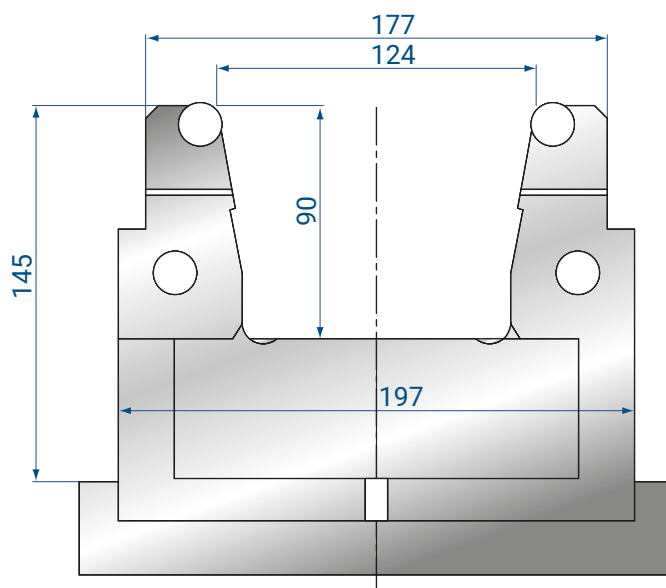
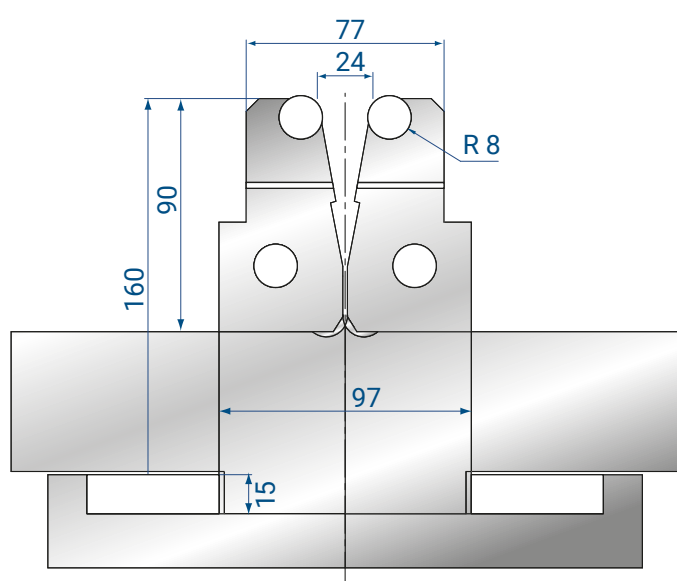


**8022**

**BYSTRONIC  
RF - A STYLE**

|                       |
|-----------------------|
| INCLUDED<br>ON DEMAND |
|-----------------------|

OGNI MODELLO DI MATRICE RICHIEDE UNO SPECIFICO SUPPORTO  
EACH DIE REQUIRES THE PROPER SUPPORT



**3190**

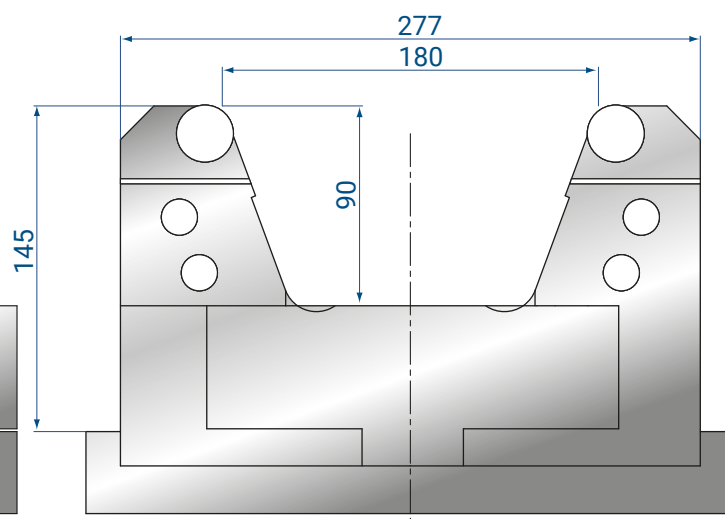
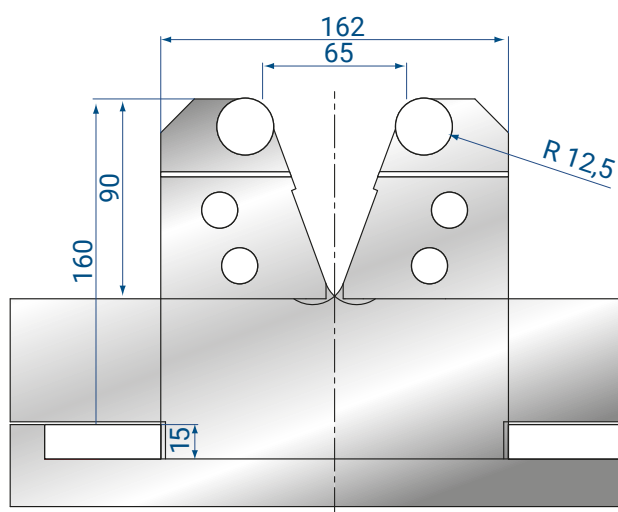
|         |          |
|---------|----------|
| 1050 mm | 133,0 kg |
| 1000 mm | 125,0 kg |
| 550 mm  | 72,0 kg  |
| 500 mm  | 64,0 kg  |
| 250 mm  | 34,0kg   |

**Angolo minimo di piega / Minimum bend angle = 30°**

**Apertura V / V width = min 24mm – max. 124mm**

**F Max = 125 Ton/m at 90°**

#9015; #9018 (pag 253)



**3191**

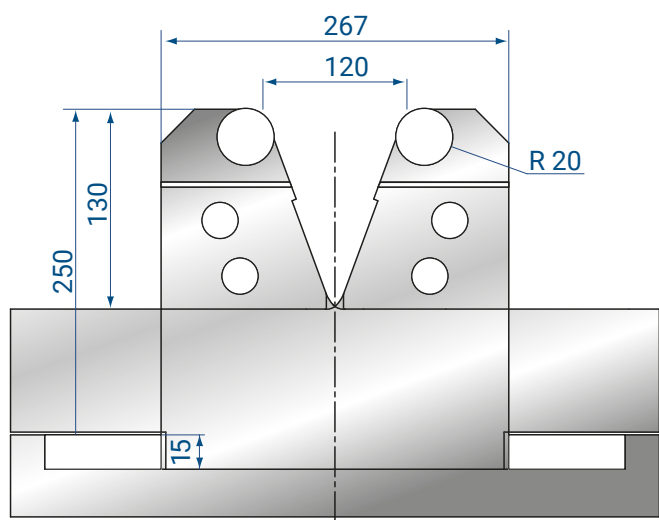
|         |          |
|---------|----------|
| 1050 mm | 180,0 kg |
| 1000 mm | 170,0 kg |
| 550 mm  | 96,0 kg  |
| 500 mm  | 86,0 kg  |
| 250 mm  | 44,0kg   |

**Angolo minimo di piega / Minimum bend angle = 60°**

**Apertura V / V width = min 65mm – max. 180mm**

**F max = 200 Ton/m at 90°**

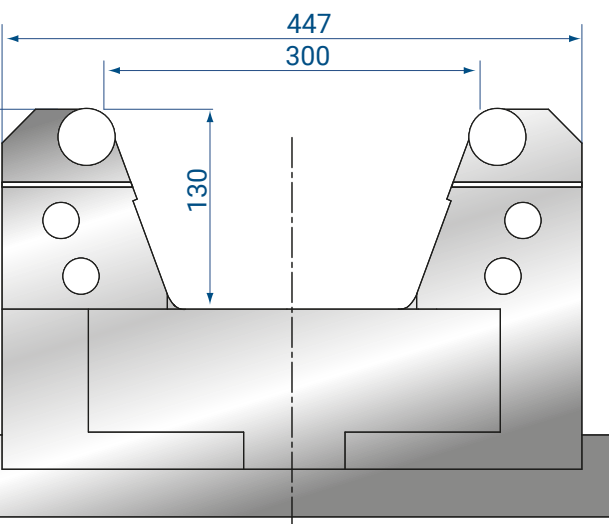
#9016; #9019 (pag 253)



**3192**

|        |        |
|--------|--------|
| 700 mm | 420 kg |
| 600 mm | 360 kg |
| 500 mm | 300 kg |

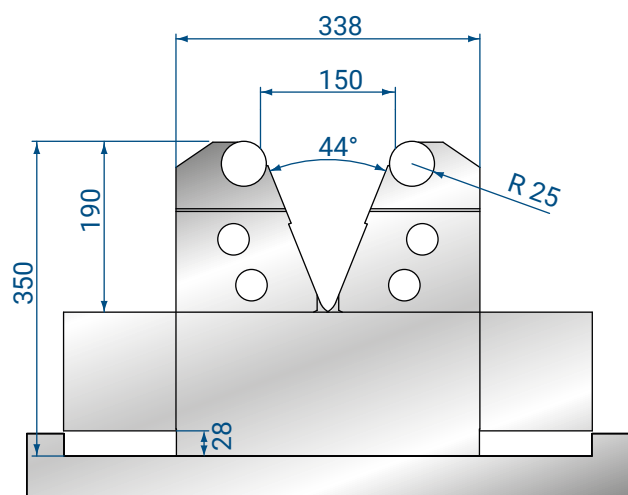
#9014 (pag 253)



**Angolo minimo di piega / Minimum bend angle = 60°**

**Apertura V / V width = min. 120mm – max. 300mm**

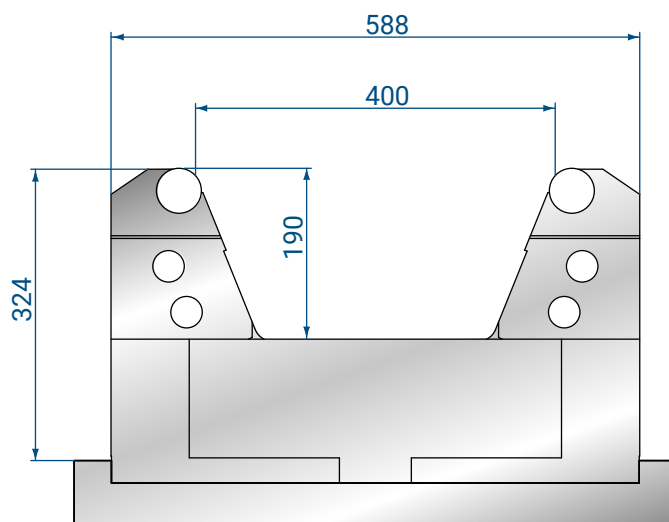
**F Max = 400 T/m at 90°**



**3243**

|        |          |
|--------|----------|
| 600 mm | 560,0 kg |
|--------|----------|

#9017 (pag 253)



**Angolo minimo di piega / Minimum bend angle = 60°**

**Apertura V / V width = min 150mm – max. 400mm**

**F Max = 600 Ton/m at 90°**

## SUPPORTI INFERIORI PER MATRICI REGOLABILI LOWER HOLDER FOR ADJUSTABLE DIES

SUPPORTI SPECIFICI PER OGNI MODELLO DI MATRICE REGOLABILE  
SPECIFIC HOLDER FOR EACH ADJUSTABLE DIE HOLDER

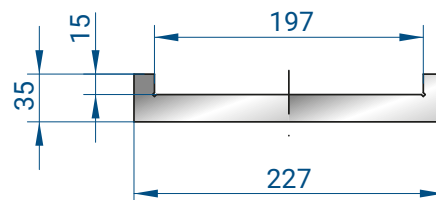
**9015**

|         |        |
|---------|--------|
| 3000 mm | 120 kg |
| 2000 mm | 80 kg  |
| 100 mm  | 40 kg  |
| 500 mm  | 20 kg  |

PER MATRICE / FOR DIE  
**3190**

**9018**

SPECIFICO PER ATTACCO WILA / TRUMPF  
WILA / TRUMPF DEDICATED TANG



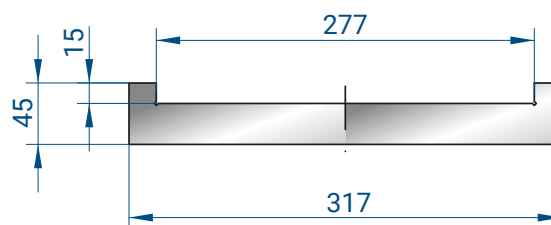
**9016**

|         |        |
|---------|--------|
| 3000 mm | 318 kg |
| 2000 mm | 212 kg |
| 100 mm  | 106 kg |
| 500 mm  | 53 kg  |

PER MATRICE / FOR DIE  
**3191**

**9019**

SPECIFICO PER ATTACCO WILA / TRUMPF  
WILA / TRUMPF DEDICATED TANG

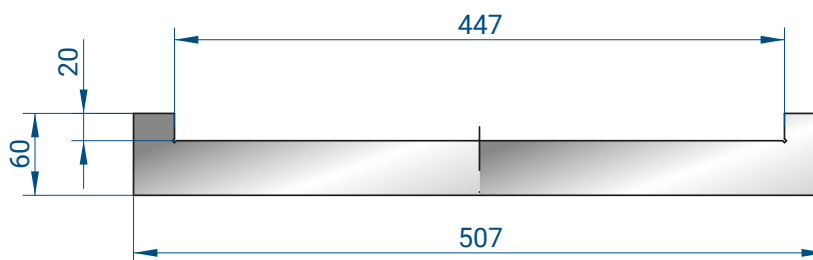


**9014**

|         |        |
|---------|--------|
| 3000 mm | 594 kg |
| 2400 mm | 396 kg |
| 1200 mm | 198 kg |
| 600 mm  | 99 kg  |

PER MATRICE  
FOR DIE

**3192**

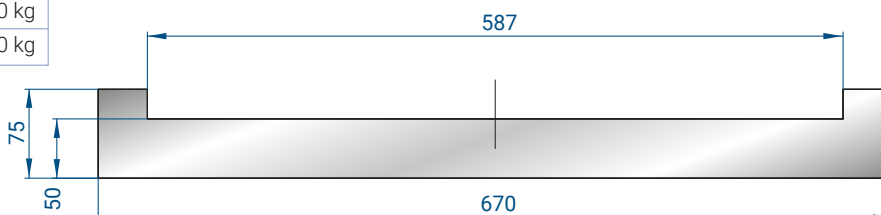


**9017**

|         |        |
|---------|--------|
| 3000 mm | 900 kg |
| 2400 mm | 600 kg |
| 1200 mm | 300 kg |
| 600 mm  | 150 kg |

PER MATRICE  
FOR DIE

**3242**



## PROTEZIONE DALLE MARCATURE PROTECTION AGAINST MARKS



**COPPIA DI SUPPORTI PER PELLICOLE / TESSUTI  
PROTETTIVI**  
*COUPLE OF SUPPORT FOR PROTECTIVE SHEET / FABRIC*

**4309**

2,6 kg



**PELLICOLA DI POLIURETANO ANTIGRAFFIO**  
*SCRATCH-RESISTANT POLYURETHANE FILM*

**4308**

**Spessore / thickness** = 0,5 mm  
**Larghezza / width** = 105 mm  
**Lunghezza / length** = 33 m  
**Peso / weight** = 1,7 kg

**4314**

**Spessore / thickness** = 0,8 mm  
**Larghezza / width** = 95 mm  
**Lunghezza / length** = 33 m  
**Peso / weight** = 2,7 kg



**TESSUTO PROTETTIVO PER PREVENIRE E  
RIDURRE ENTITÀ DI MARCATURE SU LAMIERA**  
*PROTECTIVE FABRIC FOR AVOIDING / LIMITING  
THE ENTITY OF MARKS OF THE SHEET METAL*

**4379**

**L** = 5 m / 0,4 kg  
**L** = 10 m / 0,8 kg  
**Spessore / thickness** = Max 3 mm

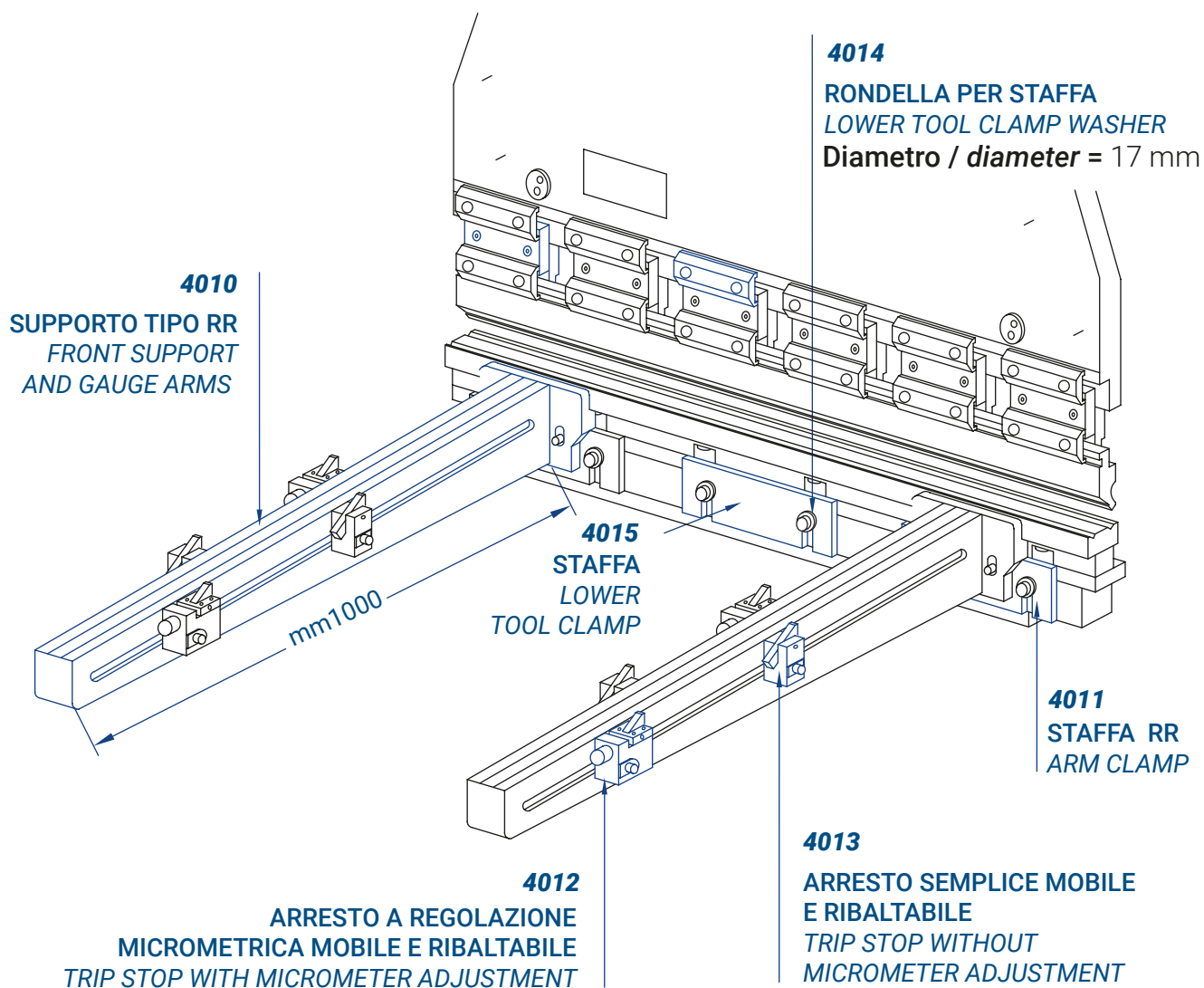


**4380**

**L** = 5 m / 0,4 kg  
**L** = 10 m / 0,8 kg  
**Spessore / thickness** = Max 6 mm



## COMPLEMENTI AUSILIARI AUXILIARY COMPLEMENTS



**4306**

SQUADRE DI RIFERIMENTO  
REFERENCE SQUARES

3,0 kg



**4307**

SQUADRE DI RIFERIMENTO ORIENTABILI  
ADJUSTABLE REFERENCE SQUARES

3,5 kg

4318

SQUADRETTA DI RIFERIMENTO  
MAGNETICA SINISTRA  
MAGNETIC SQUARING ARM - LEFT



4319

SQUADRETTA DI RIFERIMENTO  
MAGNETICA DESTRA  
MAGNETIC SQUARING ARM - RIGHT



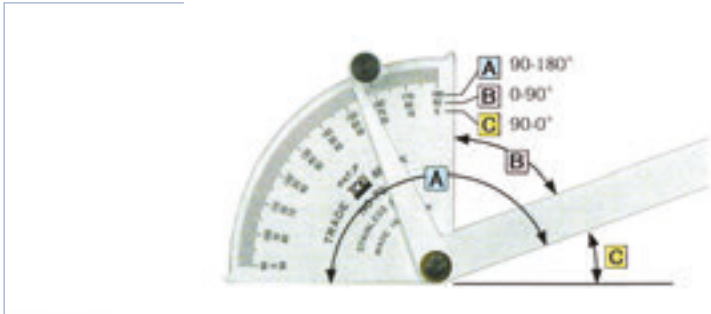
GONIOMETRO MANUALE / MANUAL PROTRACTOR

GONIOMETRO MANUALE PER LA  
MISURAZIONE DI ANGOLI INTERNI ED  
ESTERNI CON LA MINIMA INTERFERENZA

MANUAL PROTRACTOR FOR MEASURING  
INTERNAL AND EXTERNAL ANGLES WITHOUT  
INTERFERENCE

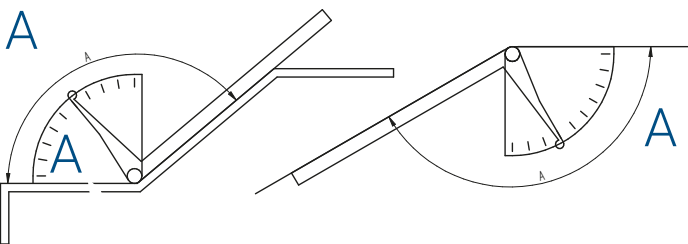
4383

TRIPLA MODALITÀ DI LETTURA  
THREE SETS OF READING

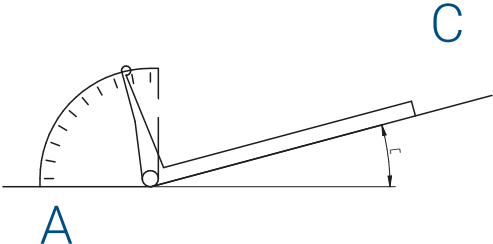


MODALITÀ DI UTILIZZO  
HOW TO USE

| PRECISIONE<br>ACCURACY | DIMENSIONI<br>DIMENSIONS | UNITÀ<br>GRADUATION | MATERIALE<br>MATERIAL  |
|------------------------|--------------------------|---------------------|------------------------|
| +/- 0,2°               | L = 255 mm<br>H = 80 mm  | 1°                  | ACCIAIO INOX<br>1,2 mm |



MISURA ANGOLO INTERNO  
INTERNAL ANGLE MEASUREMENT



MISURA ANGOLO ESTERNO  
OUTSIDE ANGLE MEASUREMENT

**CALIBRO DIGITALE PER LA MISURA DI SMUSSI A 45° E DI RAGGI**  
**DIGITAL GAUGE FOR 45° CHAMFERS AND RADIUS**

**4384**



Utilizzabile per misurare le dimensioni di smussi a 45° e di raggi.  
 Il pulsante C/R commuta fra misura di smusso (c) e di raggio (r).  
 Possibilità di effettuare misure assolute e relative.  
 Definizione del punto 0 in qualsiasi posizione.  
 Pezzo campione  $\varnothing$  20 mm per calibrazione compreso nella confezione.

*Measures a small 45° chamfer and radius.  
 The C/R toggles between chamfer and radius measurement.  
 Absolute and relative measurement functions are available.  
 Zero setting at any point.  
 Setting master pin gauge for calibration included.*

|                                                             |                                                                                                                    |                                                       |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>MISURAZIONE</b><br><b>MEASUREMENT</b>                    | Smusso a 45° su angolo retto; raggio esterno di piegatura.<br>45° chamfer on a square corner; outer corner radius. |                                                       |
| <b>GAMMA DI MISURAZIONE</b><br><br><b>MEASUREMENT RANGE</b> | Smusso su angoli 45° (C)<br>Raggio su angoli 90° (R)<br>Raggio su angoli acuti ≤ 89° (R)                           | 0,01 - 15,00 mm<br>0,01 - 25,00 mm<br>0,06 - 25,00 mm |
|                                                             | Chamfer on angle 45° (C)<br>Radius on angle 90° (R)<br>Radius on acute angles ≤ 89° (R)                            | 0,01 - 15,00 mm<br>0,01 - 25,00 mm<br>0,06 - 25,00 mm |
| <b>RISOLUZIONE</b><br><b>RESOLUTION</b>                     | 0,01 mm                                                                                                            |                                                       |
| <b>TOLLERANZA</b><br><b>ACCURACY</b>                        | Smussi = +/- 0,05mm<br>Chamfer = +/- 0,05mm                                                                        | Raggi= +/- 0,08mm<br>Radius= +/- 0,08mm               |
| <b>MATERIALE</b><br><b>MATERIAL</b>                         | Acciaio inox<br>Stainless steel                                                                                    |                                                       |



## ARMADI PORTA UTENSILI TOOLING CABINETS

COLORE STANDARD NERO, PIÙ OPZIONI COLORI A RICHIESTA  
STANDARD COLOUR BLACK, MORE COLOR OPTIONS ON REQUEST



| CODICE<br>CODE | STILE<br>STYLE                     | ANTE<br>DRAWERS | LUNGHEZZA<br>LENGTH (mm) |
|----------------|------------------------------------|-----------------|--------------------------|
| ACARM0NE0005   | Amada                              | 5               | 835                      |
| ACARM1NE0005   | Trumpf / Wila /<br>Bystronic / LVD | 5               | 1100                     |
| ACARM2NE0005   | Trumpf / Wila /<br>Bystronic / LVD | 5               | 550                      |

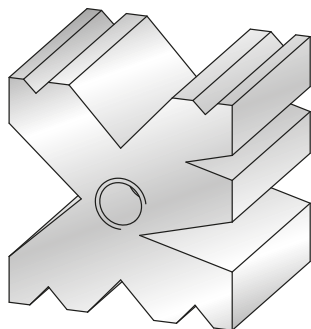
DISPONIBILI SU RICHIESTA ARMADI A 3 O 4 ANTE  
AVAILABLE ON REQUEST WARDROBES WITH 3 OR 4 DOORS



| CODICE<br>CODE | STILE<br>STYLE                                                                                                             | ANTE<br>DRAWERS | LUNGHEZZA<br>LENGTH (mm) |
|----------------|----------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------|
| CARRELLO0005   | Carrello mobile per utensili Amada<br>5 ripiani - L= 835 mm<br><br>Mobile trolley for Amada tools<br>5 shelves - L= 835 mm |                 |                          |

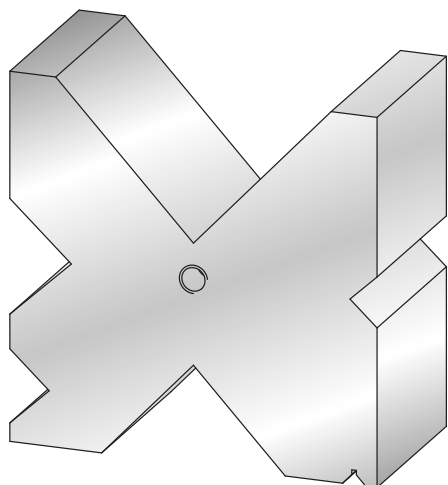
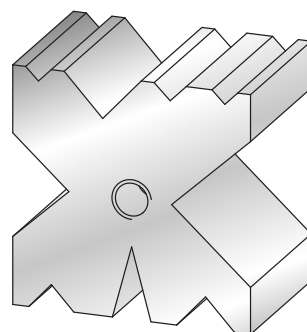


## MATRICI MULTICAVA A RICHIESTA MULTI V DIES ON REQUEST



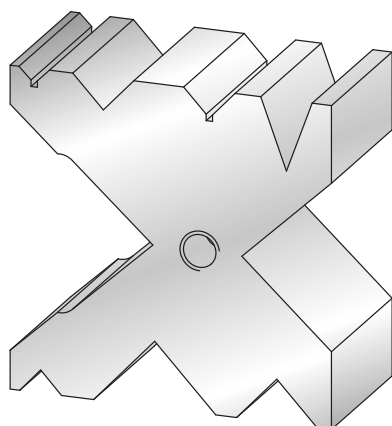
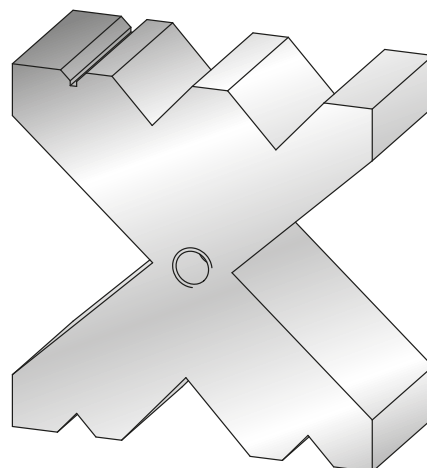
### MATERIALI MATERIALS

1.2312  
C45  
42CrM04



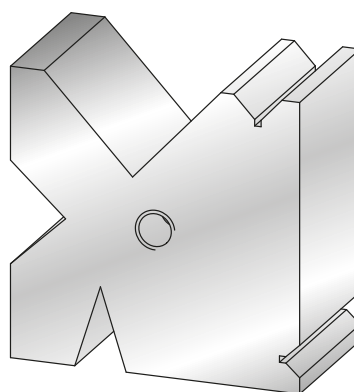
### LAVORAZIONI PROCESSING

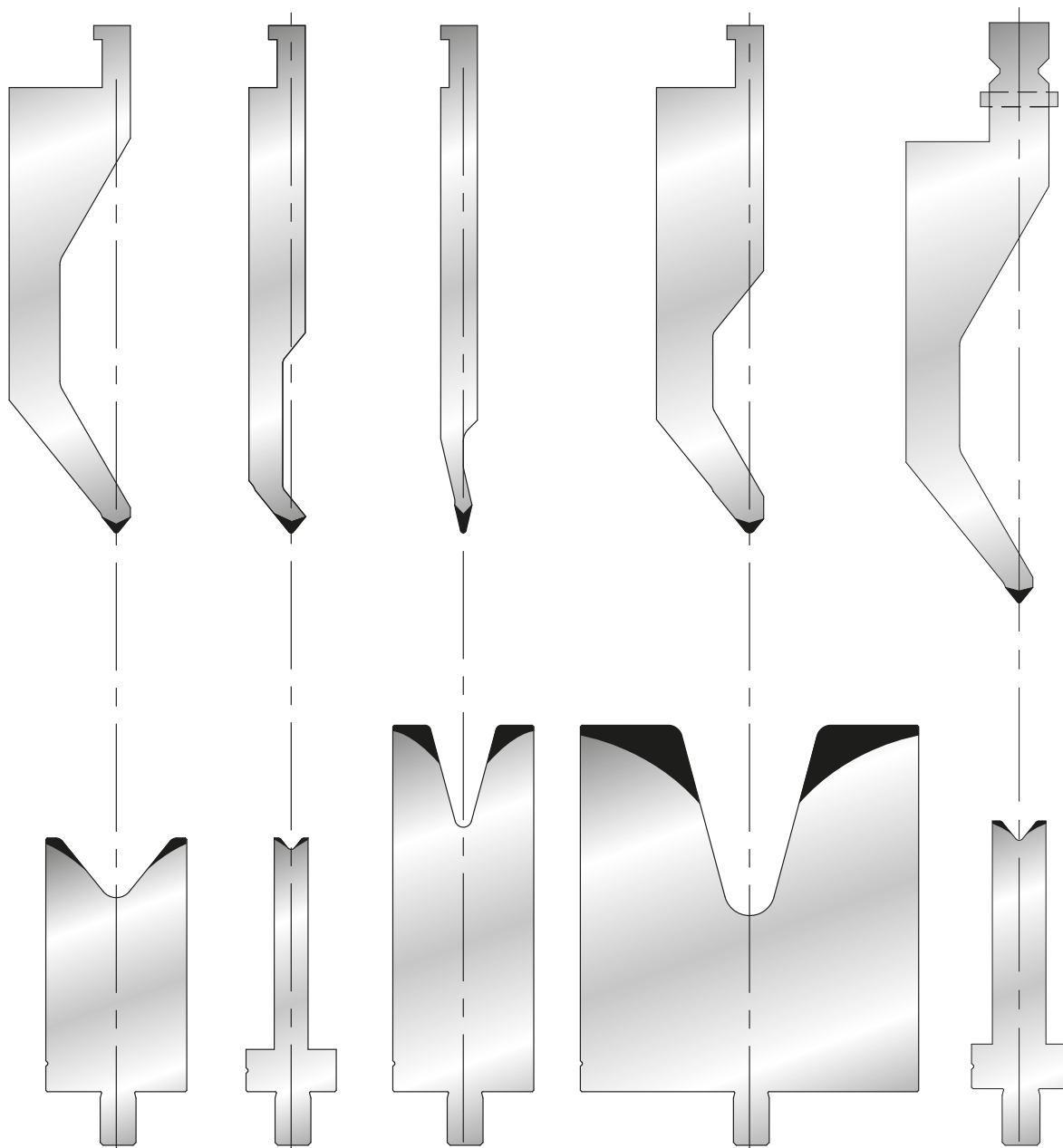
Temprato / *Hardened*  
Bonificato nitrurato /  
*Tempered - nitrided*  
Piallato / *Planed*  
Rettificato / *Ground*



### LUNGHEZZE LENGTHS (MM)

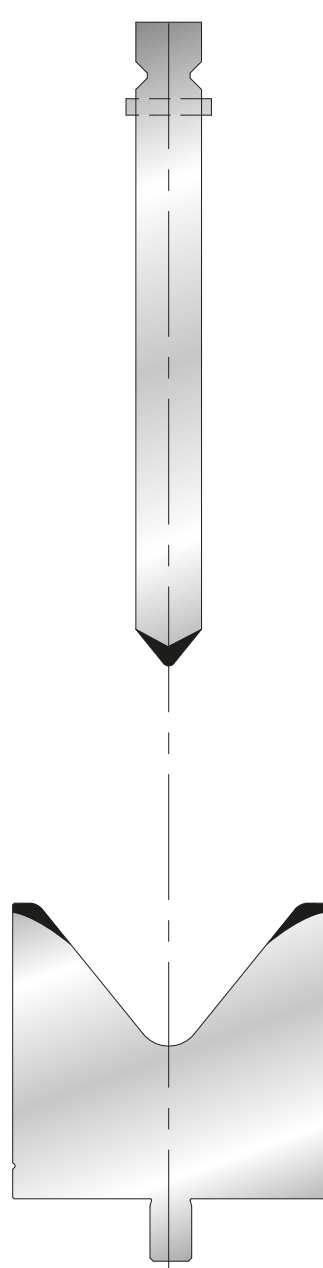
2000  
3000  
4000  
6000  
8000



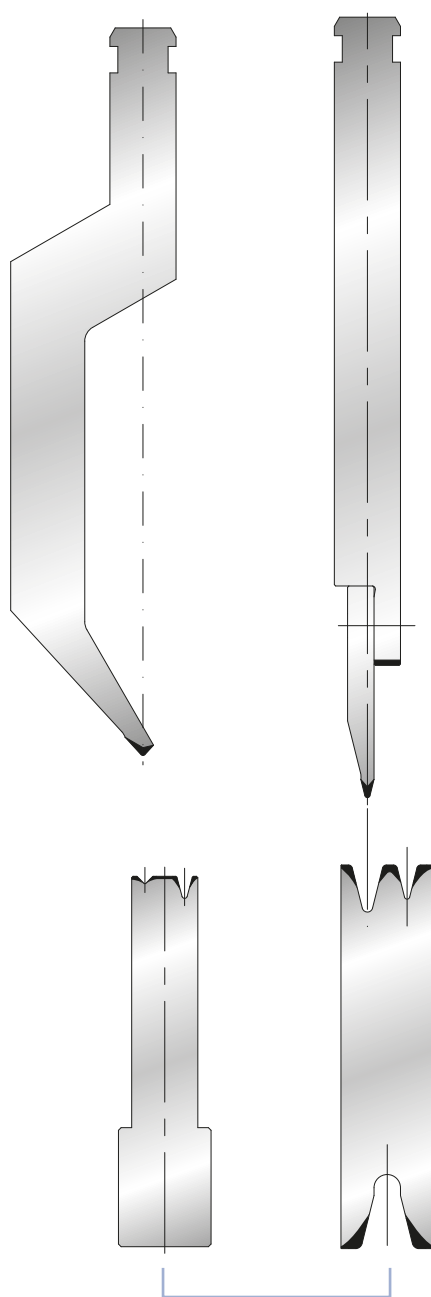


LVD Style

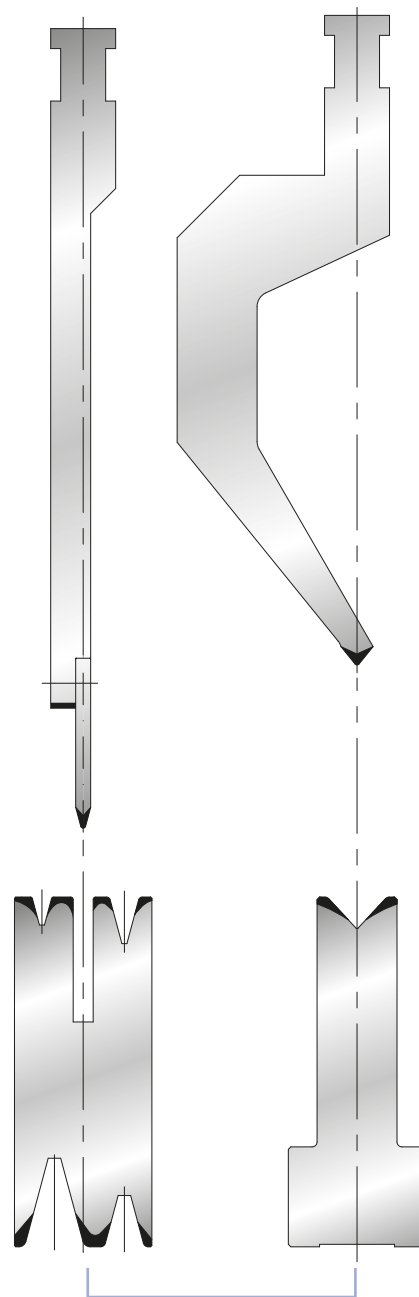
LVD Wila Style



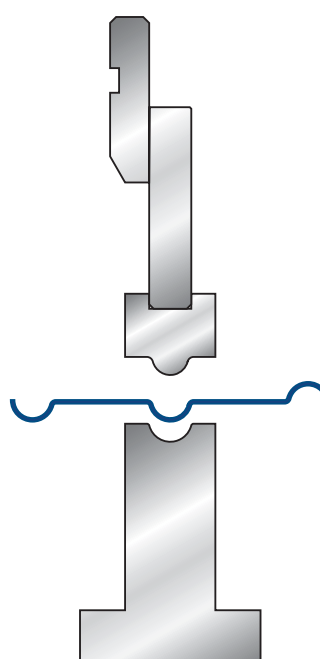
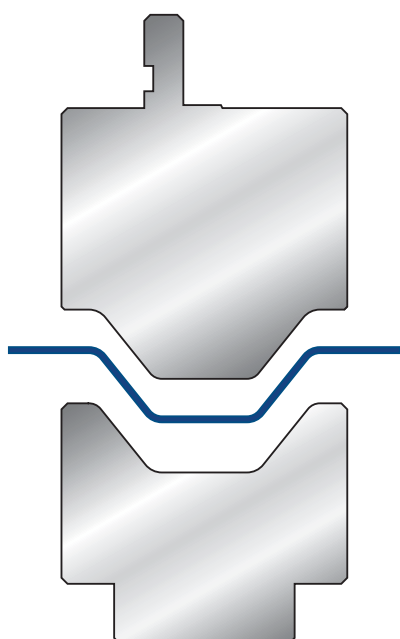
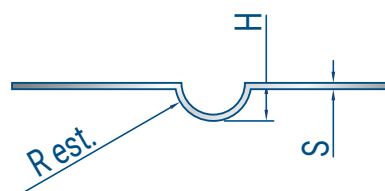
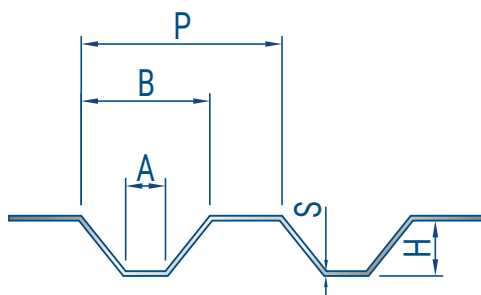
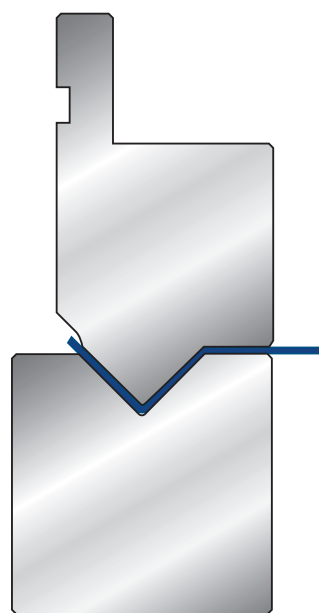
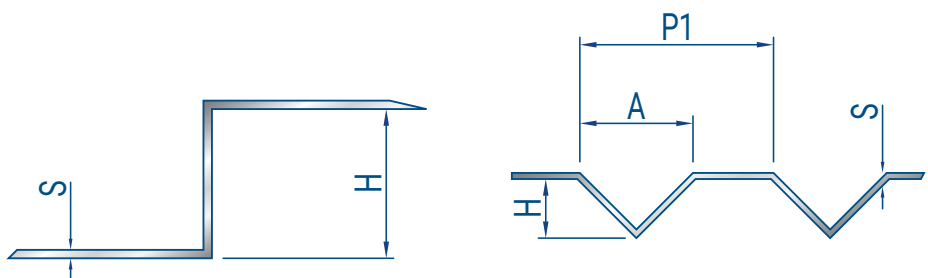
LVD - Wila Style

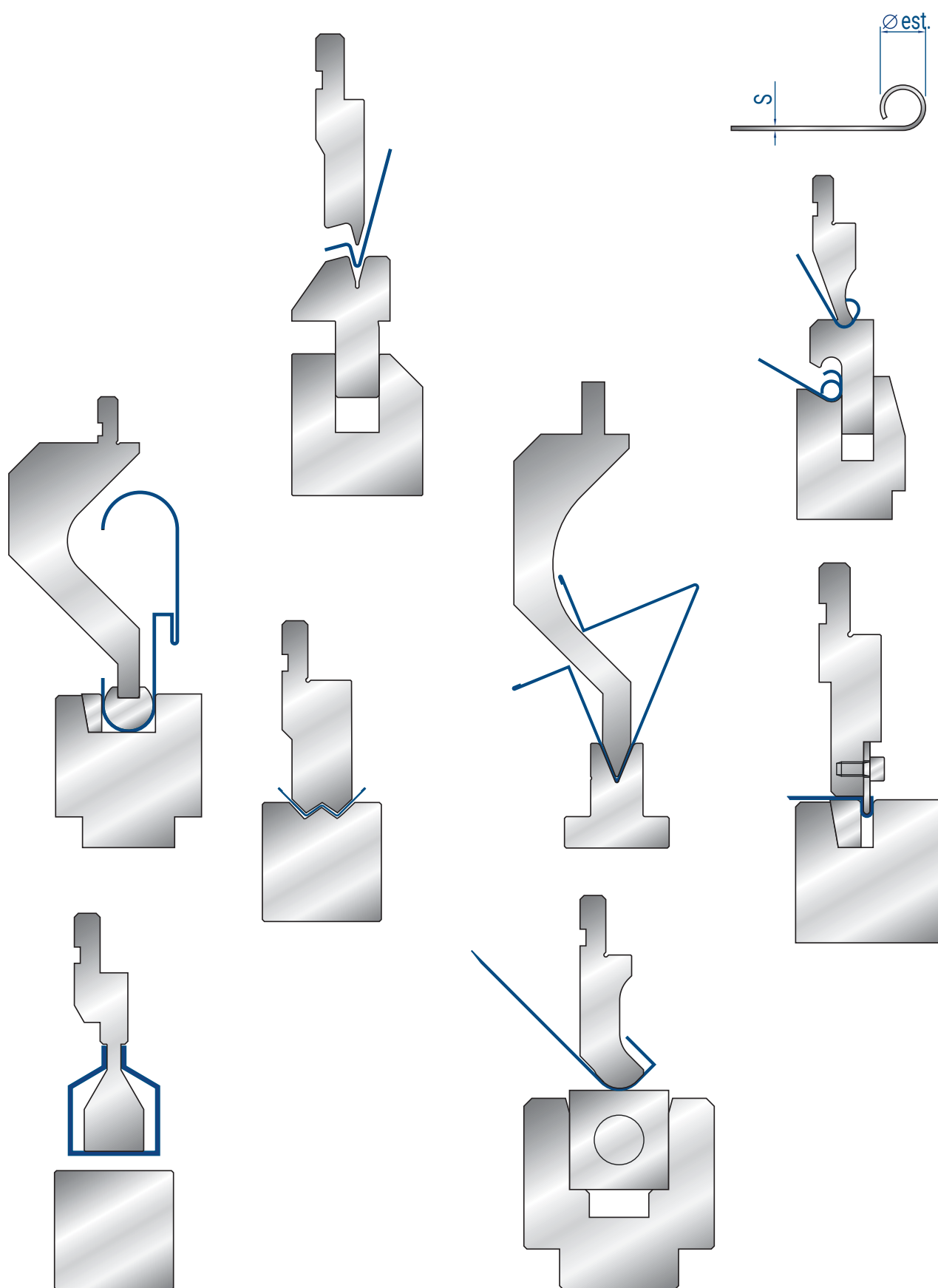


Weinbrenner Style



EHT Style





**MATERIALE TAGLIATO / CUT MATERIAL:**

- ☐ Alluminio / *Aluminium*
- ☐ Ferro / *Mild steel*
- ☐ Acciaio inossidabile / *Stainless steel*
- ☐ Altro materiale / *Other material:*

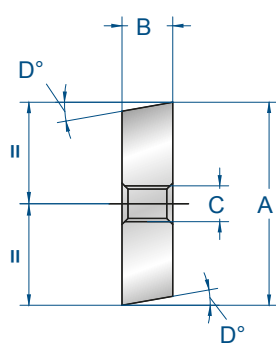
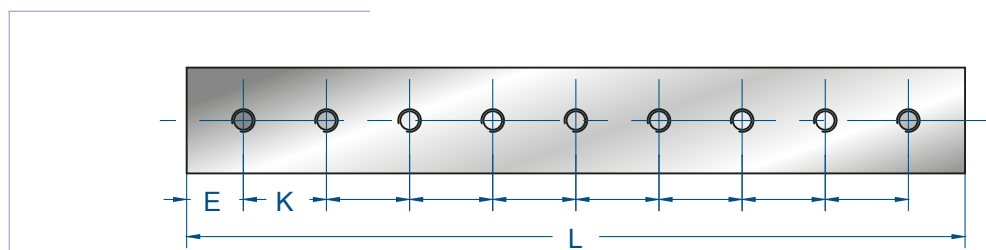
.....

**MOD**.....

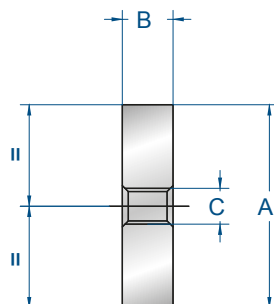
**PR**.....

| QUOTA<br><i>DIMENSION</i> | MISURA (mm)<br><i>MEASURE (mm)</i> |
|---------------------------|------------------------------------|
| A                         |                                    |
| B                         |                                    |
| C                         |                                    |
| D                         |                                    |
| E                         |                                    |
| F                         |                                    |
| H                         |                                    |
| I                         |                                    |
| K                         |                                    |
| L                         |                                    |
| N° fori / <i>N° holes</i> |                                    |

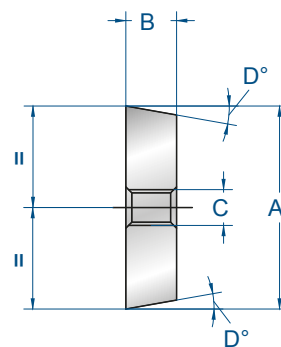
**PROFILO / PROFILE**



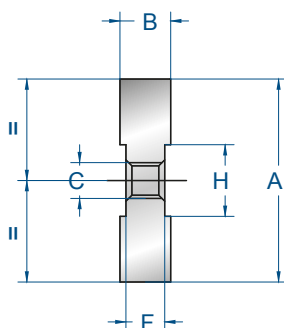
**mod. 2000**



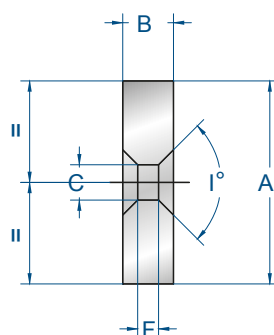
**mod. 2001**



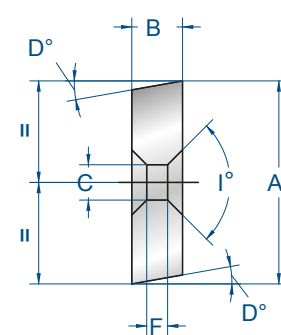
**mod. 2002**



**mod. 2003**



**mod. 2004**



**mod. 2005**



## 8201

### FOSFATAZIONE

Trattamento superficiale che aumenta la resistenza alla corrosione.

### PHOSPHATING TREATMENT

*Surface treatment able to increase the corrosion resistance.*

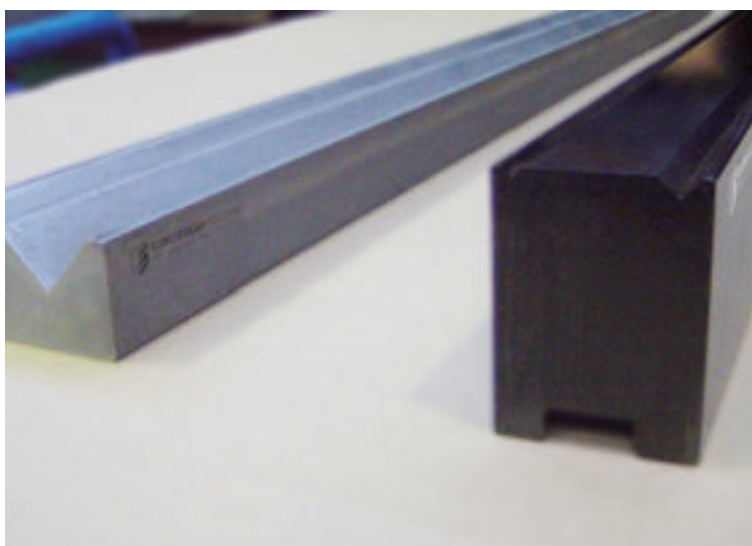
## 8205

### NITRURAZIONE

Trattamento di indurimento superficiale che aumenta la resistenza all'usura, alla fatica e agli intagli.

### NITRIDING TREATMENT

*Surface hardening treatment able to increase the tool resistance to wear, to fatigue, to notches.*



## 8202

### NITRURAZIONE + FOSFATAZIONE

Indurimento superficiale + resistenza alla corrosione.

### NITRIDING TREATMENT + PHOSPHATING

*Surface hardening + corrosion resistance.*

