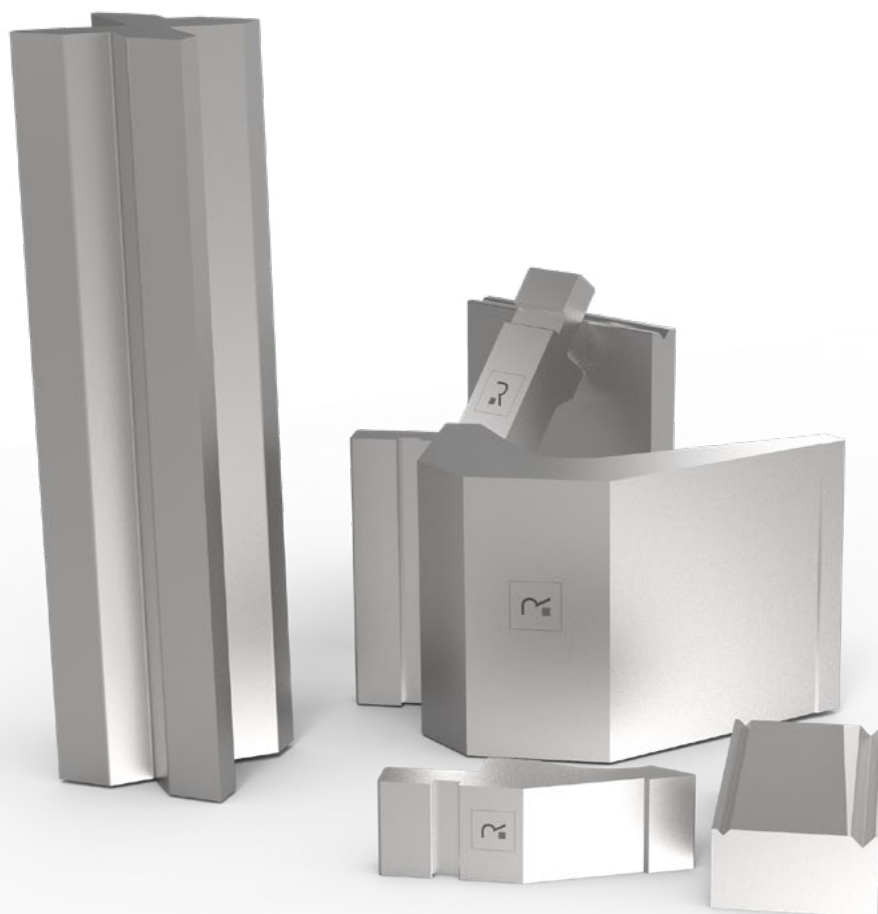


# ROLLERI

TOOLING LAB

CONSOMMABLES LASER  
POINÇONNAGE - IRON WORKER  
LAMES DE CISAILLE  
OUTILS POUR PANNEAUTEUSES

PLIAGE  
OUTILS TYPE R1





ISO 9001 - ISO 45001  
ENTREPRISE CERTIFIÉE



Cliquez sur les QRcodes ou scannez-les pour regarder les vidéos. Suivez la chaîne officielle sur Youtube [www.youtube.com/Rollerispa](https://www.youtube.com/Rollerispa) ou regarder les vidéos sur le site web [www.rollerifrance.fr/médias.html](http://www.rollerifrance.fr/médias.html)



Télécharger l'application de pliage Roller  
En plus de nombreux contenus intéressants, l'application gratuite contient l'outil de calcul du développement de la tôle et l'abaque de pliage. En outre, il contient un outil utile pour scanner les Qrcodes de ce catalogue.

Demandez les catalogues d'outils de poinçonneuses numériques et universelles (iron worker), des consommables laser, des outils pour panneauteuses et des lames de cisaille sur [www.rollerifrance.fr/catalogues.html](http://www.rollerifrance.fr/catalogues.html)



L'objectif du **manuel de pliage** est de fournir des éléments concrets et utiles pour arriver plus rapidement au résultat final. De multiples exemples, des formules simples et de nombreuses informations qui expliquent l'approche correcte du pliage.



Créez votre compte sur [www.rollerifrance.fr](http://www.rollerifrance.fr)  
Vous pouvez utiliser le site web pour vérifier les délais de livraison, demander des devis, rester informé sur l'actualité, vérifier les prix et passer vos commandes directement en ligne.



Cliquez sur le Qrcode à côté des références ou scannez-le pour vérifier les prix et les délais de livraison. Créez votre compte sur le site pour passer des commandes en ligne rapidement : [www.rollerifrance.fr](http://www.rollerifrance.fr)



Vérifiez les fractionnements standard disponibles. En outre, un service pour un fractionnement spécial et personnalisé est disponible. Contactez [commercial@rollerifrance.fr](mailto:commercial@rollerifrance.fr) pour obtenir des conseils sur la faisabilité et plus d'informations sur les produits personnalisés.



Abonnez-vous à la newsletter Roller pour rester toujours au courant des dernières nouvelles et promotions : [www.rollerifrance.fr/newsletter](http://www.rollerifrance.fr/newsletter)



## PLIAGE

### OUTILS TYPE R1

Compatibles avec presses plieuses: Accurl, Accurpress, ACL, Adira, Amada, Atlantic, Baykal, BL, Boschert, Boutillon, Bystronic Beyeler, Euro-B, Coastone, Colgar, Dener, Deratech, Durmazlar, Ermaksan, Farina, Gade, Gasparini, Gecko, Gilardi, Gizelis, Haco, Hindustan, HPM, Iturraspe, Jfy, JMT, LFK, Metfab, MVD, Orianse, Prima Power, Promecam, Rico, Salvagnini, Schiavi, SMD, Sorg, Somo, Vicla, Vimercati, Warcom, Yawei,...

### OUTILS TYPE R2-R3

Compatibles avec presses plieuses: Darley, LVD, Safan, Trumpf et presses plieuses avec système NSCL, Bystronic Beyeler RFA, RF, R, S

### OUTILS TYPE R4

Compatibles avec presses plieuses: LVD

### OUTILS TYPE R5

Compatibles avec presses plieuses: American

### OUTILS TYPE R6

Compatibles avec presses plieuses: Hämmerle-Bystronic

### OUTILS TYPE R7

Compatibles avec presses plieuses: Colly

### OUTILS TYPE R8

Compatibles avec presses plieuses: Colgar

### OUTILS TYPE R9

Compatibles avec presses plieuses: Gasparini (axial)

### OUTILS TYPE R10

Compatibles avec presses plieuses: Ajial Axial

### OUTILS TYPE Rx

Compatibles avec presses plieuses: EHT, Urviken et Weinbrenner

### ROLLERI TECH, MODIFICATIONS ET SERVICES

Compatibles avec tous les types de presses plieuses

### SYSTÈMES DE SERRAGE RAPIDE, INTERMÉDIAIRES ET ADAPTATEURS

Compatibles avec tous les types de presses plieuses

### ROLLA-V ET MATRICES SPÉCIALES

Compatibles avec tous les types de presses plieuses

### PLIAGE SANS MARQUES ET ACCESSOIRES

Compatibles avec tous les types de presses plieuses

## OUTILS POUR PANNEAUTEUSES

## LAMES DE CISAILLE

## POINÇONNAGE

### OUTILS TYPE R1

Compatibles avec poinçonneuses Amada, Amada ABS, Wilson HP, Wilson HP WLS, Mate Ultra Tec

### OUTILS TYPE R2

Compatibles avec poinçonneuses Trumpf

### OUTILS TYPE RS

Compatibles avec poinçonneuses Salvagnini

### OUTILS SPÉCIAUX

Compatibles avec divers types de poinçonneuses

### ACCESSOIRES

Compatibles avec divers types de poinçonneuses

### OUTILS IRON WORKER

Poinçonneuses universelles

## CONSOMMABLES LASER

Découvrez la vaste gamme de consommables laser :  
l'une des plus complètes du marché.



# 6<sup>R1</sup> POINÇONS

8 - POINÇONS: EXPLICATIONS

10 - POINÇONS SÉRIE TOP

12 - OUTILS PLI ÉCRASÉ SÉRIE TOP

14 - SUPPORTS ET ÉLÉMENTS RAYONNÉS SÉRIE TOP

15 - POINÇONS SÉRIE CLASSIC

31 - BIGORNES RÉTRACTABLES

32 - SOYAGES

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35 - OUTILS PLI ÉCRASÉ

36 - POINÇONS SÉRIE A

40 - POINÇONS SÉRIE CFH

# 42<sup>R1</sup> MATRICES

44 - MATRICES: EXPLICATIONS

46 - MATRICES 2-V SÉRIE CLASSIC

48 - MATRICES 2-V AUTO-CENTRÉES SÉRIE CLASSIC

50 - MATRICES 1-V AUTO-CENTRÉES SÉRIE CLASSIC

53 - MATRICES T SÉRIE CLASSIC

71 - MATRICES 1-V SÉRIE CLASSIC

74 - MATRICES MULTI-V SÉRIE CLASSIC

76 - MATRICES PLI ÉCRASÉ SÉRIE CLASSIC

78 - MATRICES PLI ÉCRASÉ AVEC RESSORTS SÉRIE CLASSIC

80 - MATRICES PLI ÉCRASÉ PNEUMATIQUES SÉRIE CLASSIC

82 - MATRICES PLI ÉCRASÉ HAUTE RÉSISTANCE SÉRIE CLASSIC

84 - MATRICES 2-V SÉRIE A

90 - MATRICES 1-V SÉRIE A

96 - MATRICES SÉRIE CFH



|             |                      |                  |                    |                  |                    |                    |
|-------------|----------------------|------------------|--------------------|------------------|--------------------|--------------------|
| 46-10 48    | 45202 37             | C45.40 35        | P97.88.R08 17      | S110.30.08 79    | T120.06.90 54      | TOPSM-134.24.10 77 |
| 46-11 48    | 45302 37             | C60.45 35        | P97.88.R025 17     | S110PN.30.08 81  | T120.08.26 70      | TOPSM-134.24.12 77 |
| 46.11.88 48 | 46200 37             | C70.50 35        | P97.90.R025 15     | S135.26.08 79    | T120.08.30 69      | TOPSM-134.28.8 77  |
| 46-12 48    | 46300 37             | CEZ 1.0 32       | P110.30.R06 30     | S135.26.10 79    | T120.08.35 67      | TOPSP.134.24.8 13  |
| 46.13 48    | 50190 86             | CEZ 1.0/90 32    | P114.88.R06 17     | S135PN.26.08 81  | T120.08.45 65      | TOPSP.134.24.10 13 |
| 46.14 48    | 50196 88             | CEZ 1.5 32       | P115.60.R08 26     | S135PN.26.10 81  | T120.08.60 62      | TOPSP.134.24.12 13 |
| 46.15 48    | 50290 87             | CEZ 1.5/90 32    | P115.88.R06 18     | SA135.26.12 79   | T120.08.80 60      | TOPSP.134.28.8 13  |
| 46.16 48    | 50296 88             | CEZ 2.0 32       | P116.35.R08 29     | SA135PN.26.12 81 | T120.08.85 58      | TR80.06.60 61      |
| 46.17 49    | 50390 87             | CEZ 2.0/90 32    | P116.35.R15 29     | SCA.M.88.R08 31  | T120.08.88 56      | TR80.06.88 54      |
| 46.18 49    | 50396 88             | CEZ 2.5 32       | P116.88.R08 18     | SCA.M.88.R025 31 | T120.08.90 54      | TR80.08.60 61      |
| 00300 39    | 50490 88             | CEZ 2.5/90 32    | P120.35.R3 29      | SCA.M.90.R08 31  | T120.10.26 70      | TR80.08.88 54      |
| 00402 36    | 50590 88             | CEZ 3.0 32       | P120.35.R08 29     | SCA.M.90.R025 31 | T120.10.30 69      | TR80.10.60 61      |
| 00430 36    | 50690 88             | CEZ 3.5 32       | P120.35.R15 29     | SM55.12.30/C 83  | T120.10.35 67      | TR80.10.88 55      |
| 00480 38    | 50790 86             | CEZ 4.0 32       | P120.85.R1 23      | SM55.14.30/C 83  | T120.10.45 65      | TR80.12.60 61      |
| 00490 38    | 50796 88             | CEZ 4.5 32       | P120.88.R3 19      | SU034 47         | T120.10.60 63      | TR120.06.60 62     |
| 00800 39    | A                    | CEZ 5.0 32       | P120.88.R08 19     | SU055 47         | T120.10.80 60      | TR120.06.88 55     |
| 01360 94    | CFH.60.04.30 97      | CEZ 5.5 32       | P125.88.R025 19    | SU61F 53         | T120.10.85 58      | TR120.08.60 62     |
| 01602 36    | CFH.60.06.30 97      | CEZ 6.0 32       | P130.45.R6 28      | SU075 47         | T120.10.88 56      | TR120.08.88 56     |
| 01630 36    | CFH60.06.86 96       | CEZ 6.5 32       | P130.85.R08 23     | SU-T70 75        | T120.10.90 54      | TR120.10.60 63     |
| 01680 38    | CFH.60.08.30 97      | CEZ 7.0 32       | P130.85.R025 23    | T                | T120.12.26 70      | TR120.10.88 56     |
| 01690 38    | CFH60.08.86 96       | CEZ 7.5 32       | P130.88.R06 19     | T70-35 75        | T120.12.30 69      | TR120.12.60 63     |
| 03500 93    | CFH.60.10.30 97      | CEZ 8.0 32       | P130.88.R08 20     | T70-45 75        | T120.12.35 67      |                    |
| 03600 93    | CFH60.10.86 96       | CEZ 9.0 32       | P130.88.R025 20    | T70-60 75        | T120.12.45 65      |                    |
| 03700 93    | CFH.60.12.30 97      | CEZ 10.0 32      | P130.90.R06 16     | T70-88 75        | T120.12.60 63      |                    |
| 03800 93    | CFH60.14.86 96       | CEZ 11.0 32      | P130.90.R025 16    | T80.06.26 70     | T120.12.80 60      |                    |
| 04502 36    | CFH60.16.86 96       | CEZ 12.0 32      | P135.60.R08 26     | T80.06.30 68     | T120.12.85 58      |                    |
| 04600 36    | CFH60.20.86 97       | CEZ 13.0 32      | P135.75.R08 25     | T80.06.35 66     | T120.12.88 56      |                    |
| 04702 37    | CFH60.25.86 97       | CEZ 14.0 32      | P135.85.R08 24     | T80.06.45 64     | T120.12.90 54      |                    |
| 04800 37    | CFH.150.30.R08 41    | CEZ 15.0 32      | P135.88.R3 20      | T80.06.60 61     | T120.16.30 69      |                    |
| 05500 95    | CFH150.86.R02-GNK 41 | CPZ 32_33        | P135.88.R08 20     | T80.06.80 59     | T120.16.35 67      |                    |
| 07000 91    | CFH150.86.R02-SSH 41 | D                | P145.60.R08 27     | T80.06.85 57     | T120.16.45 65      |                    |
| 07006 92    | CFH150.86.R02-STD 40 | D.116.88.R3 18   | P145.85.R08 24     | T80.06.88 54     | T120.16.60 63      |                    |
| 07100 91    | CFH.150.88.R025 41   | D.116.88.R08 18  | P147.26.R08 30     | T80.06.90 53     | T120.16.80 60      |                    |
| 07106 92    | AMR60.04.85 51       | DK.116.90.R08 16 | P150.85.R1 25      | T80.08.26 70     | T120.16.85 58      |                    |
| 07200 92    | AMR60.04.88 50       | E                | P150.88.08 21      | T80.08.30 68     | T120.16.88 56      |                    |
| 07300 91    | AMR60.06.30 52       | E30.22 35        | P150.88.R3 21      | T80.08.35 66     | T120.20.30 69      |                    |
| 07400 92    | AMR60.06.85 51       | K                | P150.88.R06 21     | T80.08.45 64     | T120.20.35 67      |                    |
| 07500 91    | AMR60.06.88 50       | KPN 80_82        | P150.88.R025 21    | T80.08.60 61     | T120.20.45 65      |                    |
| 07600 92    | AMR60.08.30 52       | M                | P160.70.R3 26      | T80.08.80 59     | T120.20.60 63      |                    |
| 08000 53    | AMR60.08.85 51       | M26.60.01 47     | P160.70.R08 26     | T80.08.85 57     | T120.20.80 60      |                    |
| 08100 53    | AMR60.08.88 50       | M26.60.02 47     | P175.88.R08 22     | T80.08.88 54     | T120.20.85 58      |                    |
| 10300 40    | AMR60.10.30 52       | M26.60.03 47     | P190.60.R08 27     | T80.08.90 53     | T120.20.88 56      |                    |
| 10800 38    | AMR60.10.85 51       | M26.60.05 47     | P195.88.R08 22     | T80.10.26 70     | T120.25.30 69      |                    |
| 10900 38    | AMR60.10.88 50       | M26.85.02 49     | P196.88.R06 22     | T80.10.30 68     | T120.25.35 67      |                    |
| 10906 39    | AMR60.12.30 52       | M26.88.01 46     | P250.85.R15 25     | T80.10.35 66     | T120.25.45 65      |                    |
| 11600 36    | AMR60.12.85 51       | M26.88.02 46     | PB60 49            | T80.10.45 64     | T120.25.60 63      |                    |
| 11700 36    | AMR60.12.88 50       | M26.88.03 46     | PB-T70 75          | T80.10.60 61     | T120.25.80 60      |                    |
| 12100 84    | AMR60.16.30 52       | M26.88.04 46     | PG.135.60.R08 27   | T80.10.80 59     | T120.25.85 58      |                    |
| 12106 84    | AMR60.16.85 51       | M26.88.05 46     | PK.95.85.R3 22     | T80.10.85 57     | T120.25.88 56      |                    |
| 12300 84    | AMR60.16.88 50       | M26.90.01 46     | PK.97.88.R025 17   | T80.10.88 55     | TOP150.30.R12 13   |                    |
| 12306 84    | AMR60.20.30 52       | M26.90.02 46     | PK.97.90.R06 15    | T80.10.90 53     | TOP175.26.R08 11   |                    |
| 12400 84    | AMR60.20.85 51       | M26.90.03 46     | PK.97.90.R08 15    | T80.12.26 70     | TOP175.60.R2 11    |                    |
| 12406 85    | AMR60.20.88 50       | M31.35.01 47     | PK.97.90.R025 15   | T80.12.30 68     | TOP175.60.R5 11    |                    |
| 12500 85    | AMR60.25.30 52       | M31.35.02 47     | PK.97.90.R025 15   | T80.12.35 66     | TOP175.60.R08 11   |                    |
| 12600 85    | AMR60.25.85 51       | M60.85.32 71     | PK.114.90.R06 15   | T80.12.45 64     | TOP175.75.R2 10    |                    |
| 12700 85    | AMR60.25.88 50       | M60.85.40 71     | PK.116.90.R08 15   | T80.12.60 61     | TOP175.75.R08 10   |                    |
| 20000 37    | B                    | M60.85.50 71     | PK.120.85.R08 23   | T80.12.80 59     | TOP175.85.R2 10    |                    |
| 20100 37    | BMR55.06.30 83       | M60.90.01 74     | PK.120.88.R025 19  | T80.12.85 57     | TOP175.85.R08 10   |                    |
| 20200 38    | BMR55.06.30/C 83     | M60.90.02 74     | PK.120.90.R08 16   | T80.12.88 55     | TOP175.85.R08.S 10 |                    |
| 20300 38    | BMR55.08.30 83       | M75.85.63 71     | PK.120.90.R025 16  | T80.12.90 53     | TOP205.26.R08 11   |                    |
| 21000 39    | BMR55.08.30/C 83     | M80.45.32 73     | PK.130.88.R025 19  | T80.16.30 68     | TOP205.85.R2 10    |                    |
| 30000 89    | BMR55.10.30 83       | M80.45.40 73     | PK.135.85.R08 24   | T80.16.35 66     | TOP205.85.R08 10   |                    |
| 30147 87    | BMR55.10.30/C 83     | M80.45.50 73     | PK.135.88.R025 20  | T80.16.45 64     | TOP250.26.R1 12    |                    |
| 30148 86    | C                    | M80.85.80 71     | PK.135.90.R08 16   | T80.16.60 62     | TOPC08 14          |                    |
| 30247 87    | C3 33                | M86.60.63 72     | PK.135.90.R025 16  | T80.16.80 59     | TOPC09 14          |                    |
| 30248 86    | C3.5 33              | M95.80.100 71    | PM50 49            | T80.16.85 57     | TOPC10 14          |                    |
| 30347 87    | C3 - C7.5 33         | M103.80.125 72   | PM50.20 49         | T80.16.88 55     | TOPC11 14          |                    |
| 30348 86    | C4 33                | M110.60.80 73    | PM60 49            | T80.20.30 68     | TOPC12.5 14        |                    |
| 30448 87    | C4.5 33              | M130.80.160 72   | PR.135.88.R08 21   | T80.20.35 66     | TOPC14 14          |                    |
| 30548 87    | C5 33                | M195.70.200 72   | PS.120.88.R08 18   | T80.20.45 64     | TOPC15 14          |                    |
| 30648 87    | C5.5 33              | M.360.R 74       | PS.134.30.R08 29   | T80.20.60 62     | TOPC16 14          |                    |
| 31100 84    | C6 33                | M.460 74         | PS.135.85.R08 24   | T80.20.80 59     | TOPC17.5 14        |                    |
| 31106 85    | C6.5 33              | M.460.60 74      | PS.135.88.R08 20   | T80.20.85 57     | TOPC19 14          |                    |
| 31400 85    | C7 33                | M.460.R 74       | PU.67.14 34        | T80.20.88 55     | TOPC20 14          |                    |
| 32000 90    | C7.5 33              | M.490 75         | PU.67.14-S 33      | T80.25.30 68     | TOPC21 14          |                    |
| 32006 90    | C13.08 35            | M.490.70 75      | PU.85.35.R08 28    | T80.25.35 66     | TOPC22.5 14        |                    |
| 32100 90    | C13.09 35            | MK103.80.125 72  | PU.87.14 34        | T80.25.45 64     | TOPC24 14          |                    |
| 32106 90    | C16.10 35            | MK130.80.160 72  | PU.105.14 34       | T80.25.60 62     | TOPC25 14          |                    |
| 32200 90    | C17.12 35            | P                | PU.115.14 34       | T80.25.80 59     | TOPC27.5 14        |                    |
| 32300 90    | C20.15 35            | P.95.35.R5 28    | PU.117.26.R3 30    | T80.25.85 57     | TOPC30 14          |                    |
| 32400 91    | C22.17 35            | P.95.45.R08 27   | PU.117.26.R08 30   | T80.25.88 55     | TOPC32.5 14        |                    |
| 32500 91    | C24.20 35            | P.95.45.R15 27   | PU.150.26.R08.L 30 | T120.06.26 70    | TOPC35 14          |                    |
| 32600 90    | C25.22 35            | P.95.88.R3 17    | S                  | T120.06.30 69    | TOPC37.5 14        |                    |
| 33000 91    | C29.25 35            | P.97.45.R05 28   | S101.35.06 78      | T120.06.35 67    | TOPC40 14          |                    |
| 33770 89    | C34.27 35            | P.97.60.R2 26    | S101.35.08 78      | T120.06.45 65    | TORPC.120-08 14    |                    |
| 34000 94    | C34.30 35            | P.97.60.R08 26   | S101.35.10 78      | T120.06.60 62    | TORPC.120-20 14    |                    |
| 34100 95    | C37.32 35            | P.97.75.R08 25   | S101PN.35.06 80    | T120.06.80 60    | TORSC.130 82       |                    |
| 34200 94    | C42.37 35            | P.97.85.R08 22   | S101PN.35.08 80    | T120.06.85 58    | TORSC.130PN 82     |                    |
| 34300 94    | C45.35 35            | P.97.88.R06 17   | S101PN.35.10 80    | T120.06.88 55    | TOPSM-134.24.8 77  |                    |

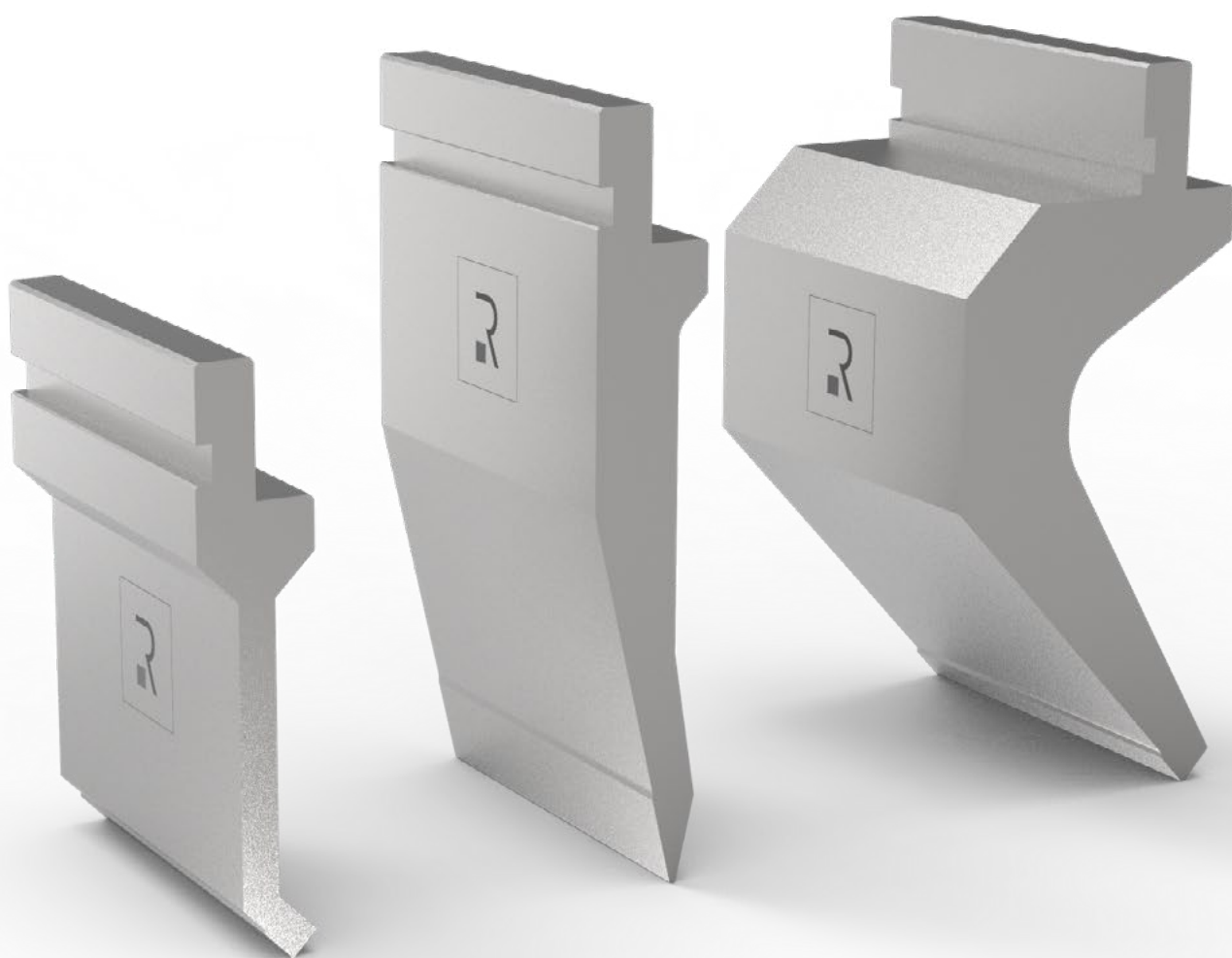
# R1

# POINÇONS

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Compatibles avec presses plieuses: Accurl, Accurpress, ACL, Adira, Amada, Atlantic, Baykal, BL, Boschert, Boutillon, Bystronic, Beyeler, Euro-B, Coastone, Colgar, Dener, Deratech, Durmazlar, Ermaksan, Farina, Gade, Gasparini, Gecko, Gilardi, Gizelis, Haco, Hindustan, HPM, Iturraspe, Jfy, JMT, LFK, Metfab, MVD, Orianca, Prima Power, Promecam, Rico, Salvagnini, Schiavi, SMD, Sorg, Somo, Vicla, Vimercati, Warcom, Yawei,...

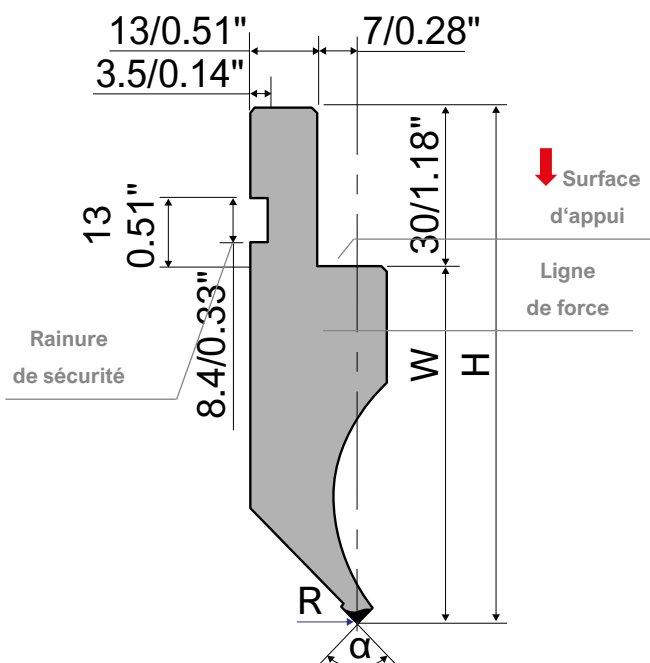
**Les références des outils sont rangées selon l'angle**



## ACCROCHE

Tous les outils supérieurs Rolleri de type R1 ont une rainure de sécurité antichute de 8,4 x 3,5 mm 0.33 x 1.37".

Selon le système de serrage : horizontal ou vertical, l'outil est interchangeable.



## LONGUEURS STANDARD

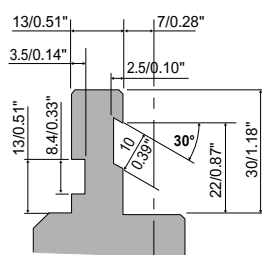
|                 | Série TOP | Série CLASSIC | Série A | Série CFH |
|-----------------|-----------|---------------|---------|-----------|
| 500 mm   19.68" | ○         |               |         |           |
| 522 mm   20.55" | ○         |               |         |           |
| 525 mm   20.67" | ●         |               |         |           |
| 415 mm   16.34" |           | ●             | ●       | ●         |
| 835 mm   32.87" |           | ●             | ●       | ●         |
| 900 mm   35.43" |           | ○             |         |           |

○ disponible uniquement pour certains modèles

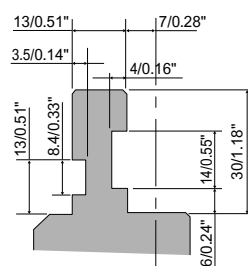


Rolleri **BLACKFIRE** est un traitement d'outil caractérisé par une haute résistance à la corrosion et un design spécial. Ce traitement chimique résout le problème de l'oxydation et de la formation de rouille à long terme.

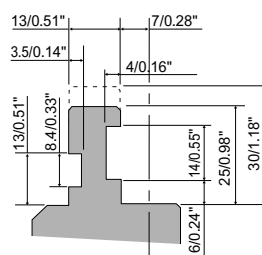
## RAINURES DE SÉCURITÉ SUPPLÉMENTAIRES



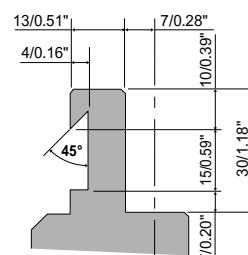
A1 : ajout d'une rainure pour l'accroche pneumatique à l'accroche de sécurité 8,4 x 3,5 mm 0.33 x 1.37"



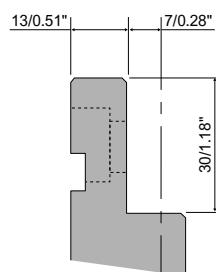
A6: Rainure supplémentaire à la rainure 8.4 x 3.5 mm 0.33 x 1.37" pour R3, Bystronic-Beyeler Euro et Safan



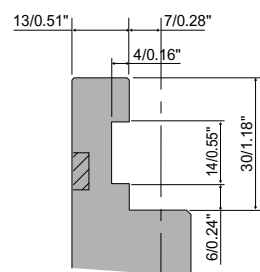
A7: Rainure supplémentaire à la rainure 8,4 x 3,5 mm 0.33 x 1.37" et raccourcissement à la queue d'attache pour R3, Bystronic-Beyeler Euro e Safan



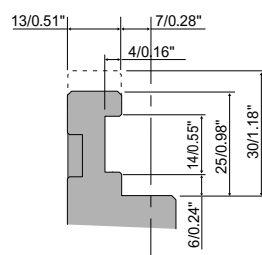
A8: Rainure pour Blocage hydraulique Gasparini



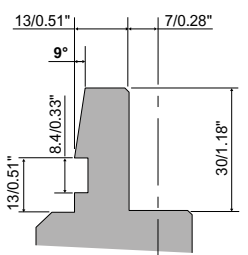
A9: Rainure modifiée pour R2, R3 et RX



A41: Rainure modifiée pour R3, Bystronic-Beyeler Euro, Safan



A42: Rainure modifiée pour R3, Bystronic-Beyeler Euro, Safan



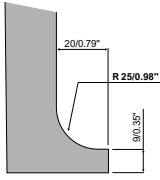
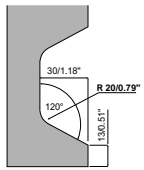
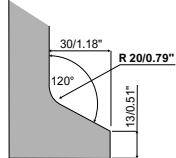
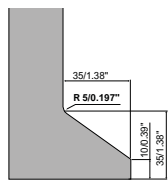
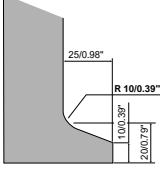
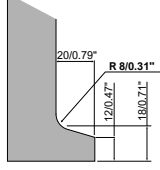
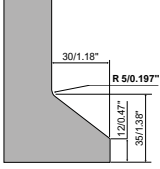
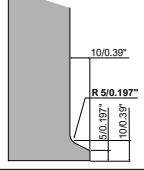
OT: Modification pour système de serrage rapide Amada



Rolleri **FREEZINC** est un traitement qui élimine les résidus métalliques sur les outils lors du pliage de la tôle galvanisée ou d'autres tôles qui ont tendance à laisser des résidus. Les outils sont protégés contre l'oxydation et il n'est pas nécessaire de les nettoyer.

## BIGORNES

Pour chaque référence, vous trouverez la bigorne standard correspondante. Les autres bigornes sont disponibles sur demande en fonction de la série de l'outil - vérifiez la faisabilité en écrivant à [commercial@rollerifrance.fr](mailto:commercial@rollerifrance.fr)

|                                                                                                                                            | TOP | CLASSIC | A | CFH |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|---|-----|
|  <p>20/0.79"<br/>R 25/0.98"<br/>90.35"</p>                 | 1   | •       | • | •   |
|  <p>30/1.18"<br/>R 20/0.79"<br/>120°<br/>130.51"</p>       | 2   | •       |   |     |
|  <p>30/1.18"<br/>R 20/0.79"<br/>120°<br/>130.51"</p>       | 2/A | •       |   |     |
|  <p>35/1.38"<br/>R 5/0.197"<br/>100.39"<br/>35/1.38"</p>  | 3   | •       | • | •   |
|  <p>25/0.98"<br/>R 10/0.39"<br/>100.39"<br/>200.79"</p>  | 4   | •       | • | •   |
|  <p>20/0.79"<br/>R 8/0.31"<br/>120.47"<br/>180.71"</p>   | 5   | •       | • |     |
|  <p>30/1.18"<br/>R 5/0.197"<br/>120.47"<br/>35/1.38"</p> | 6   | •       | • |     |
|  <p>10/0.39"<br/>R 5/0.197"<br/>5/0.39"<br/>10/0.39"</p> | 7   | •       | • |     |



Téléchargez ou Demandez les catalogues d'outils pour poinçonneuses numériques et universelles (Iron worker), de consommables laser, d'outils pour panneauteuses et de lames de cisaille sur le site [www.rollerifrance.fr/catalogues](http://www.rollerifrance.fr/catalogues)

## FRACTIONNEMENTS

Des fractionnements personnalisés sont également disponibles sur demande. Écrivez à [commercial@rollerifrance.fr](mailto:commercial@rollerifrance.fr) pour en savoir plus sur les prix et la disponibilité.

◁ = Bigorne gauche ▷ = Bigorne droite

FA: 495 mm - 19.48"

mm: 25-30-35-40-45-50-100-170

in: 0.98-1.18-1.37-1.57-1.77-1.97-3.94-9.84



FB: 500 mm - 19.68"

mm: <100-300-100>

in: <3.94-11.81-3.94>



F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>

in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>



FC: 800 mm - 31.50"

mm: <100-10-15-20-40-50-165-300-100>

in: <3.94-0.39-0.59-0.78-1.57-1.97-6.49-11.81-3.94>



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>



FCA: 835 mm - 32.87"

mm: 100-10-15-20-40-50-200-300-100

in: 3.94-0.39-0.59-0.78-1.57-7.87-11.81-3.94



F: 800 mm - 31.49"

mm: <100-300-150-50-40-20-15-15-10-100>

in: <3.94-11.81-5.90-1.96-1.57-0.79-0.59-0.59-0.39-3.94>

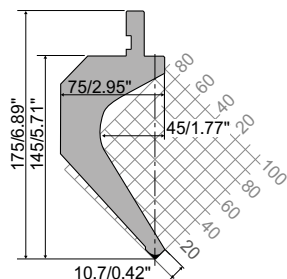


Créez votre compte sur [www.rollerifrance.fr](http://www.rollerifrance.fr). Vous pouvez utiliser le site pour voir les délais de livraison, demander des devis, vous tenir au courant des nouveautés, vérifier les prix et passer des commandes directement en ligne.

### TOP.175.85.R08

|        |        |            |
|--------|--------|------------|
| 525 mm | 20.67" | 20.9 kg    |
| 495 mm | 19.49" | 19.7 kg FA |
| 500 mm | 19.68" | 19.9 kg FB |

85° >



### TOP.175.85.R2

|        |        |            |
|--------|--------|------------|
| 525 mm | 20.67" | 20.9 kg    |
| 495 mm | 19.49" | 19.7 kg FA |
| 500 mm | 19.68" | 19.9 kg FB |

42Cr: 900-1150 N/mm<sup>2</sup>  
900 kN/m max.

Bigorne 2

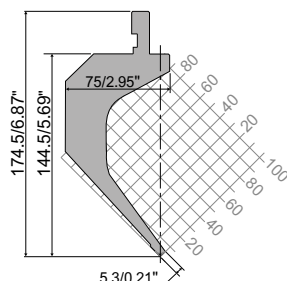
85°

W=144.30 | H=174.30 | R=2 mm  
W=5.71 | H=6.89 | R=0.031 in



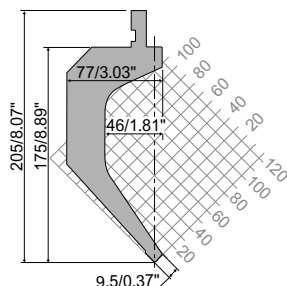
### TOP.175.85.R08.S

|        |        |            |
|--------|--------|------------|
| 525 mm | 20.67" | 18.5 kg    |
| 495 mm | 19.49" | 17.4 kg FA |
| 500 mm | 19.68" | 17.6 kg FB |



### TOP.205.85.R08

|        |        |            |
|--------|--------|------------|
| 525 mm | 20.67" | 24.0 kg    |
| 495 mm | 19.49" | 22.6 kg FA |
| 500 mm | 19.68" | 22.9 kg FB |



### TOP.205.85.R2

|        |        |            |
|--------|--------|------------|
| 525 mm | 20.67" | 24.0 kg    |
| 495 mm | 19.49" | 22.6 kg FA |
| 500 mm | 19.68" | 22.9 kg FB |

42Cr: 900-1150 N/mm<sup>2</sup>  
700 kN/m max.

Bigorne 2

85°

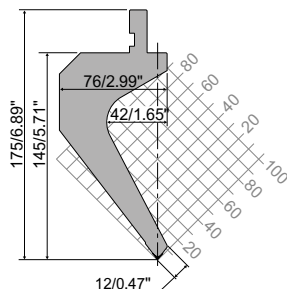
W=174.30 | H=204.30 | R=2 mm  
W=6.86 | H=8.04 | R=0.079 in



### TOP.175.75.R08

|        |        |            |
|--------|--------|------------|
| 525 mm | 20.67" | 21.5 kg    |
| 495 mm | 19.49" | 20.3 kg FA |
| 500 mm | 19.68" | 20.5 kg FB |

75° >



### TOP.175.75.R2

|        |        |            |
|--------|--------|------------|
| 525 mm | 20.67" | 21.5 kg    |
| 495 mm | 19.49" | 20.3 kg FA |
| 500 mm | 19.68" | 20.5 kg FB |

42Cr: 900-1150 N/mm<sup>2</sup>  
700 kN/m max.

Bigorne 2

75°

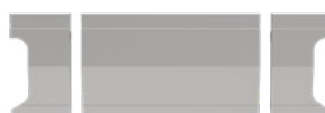
W=144.20 | H=174.30 | R=2 mm  
W=5.68 | H=6.86 | R=0.079 in



FA: 495 mm - 19.48"  
mm: 25-30-35-40-45-50-100-170  
in: 0.98-1.18-1.37-1.57-1.77-1.97-3.94-9.84



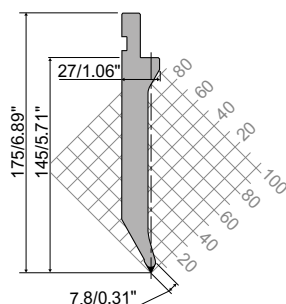
FB: 500 mm - 19.68"  
mm: <100-300-100>  
in: <3.94-11.81-3.94>



### TOP.175.60.R08

|        |        |            |
|--------|--------|------------|
| 525 mm | 20.67" | 12.0 kg    |
| 495 mm | 19.49" | 11.3 kg FA |
| 500 mm | 19.68" | 11.4 kg FB |

60° &gt;



### TOP.175.60.R2

|        |        |            |
|--------|--------|------------|
| 525 mm | 20.67" | 20.9 kg    |
| 495 mm | 19.49" | 19.7 kg FA |
| 500 mm | 19.68" | 19.9 kg FB |

42Cr: 900-1150 N/mm<sup>2</sup>  
800 kN/m max.

Bigorne 2

60°

W=143.80 | H=173.80 | R=2 mm  
W=5.66 | H=6.84 | R=0.079 in



### TOP.175.60.R5

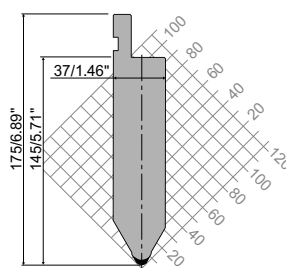
|        |        |            |
|--------|--------|------------|
| 525 mm | 20.67" | 21.5 kg    |
| 495 mm | 19.49" | 21.0 kg FA |
| 500 mm | 19.68" | 19.0 kg FB |

42Cr: 900-1150 N/mm<sup>2</sup>  
1600 kN/m max.

Bigorne 2

60°

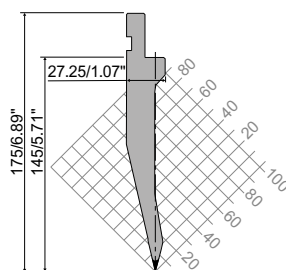
W=145 | H=175 | R=5 mm  
W=5.71 | H=6.89 | R=0.20 in



### TOP.175.26.R08

|        |        |            |
|--------|--------|------------|
| 525 mm | 20.67" | 11.0 kg    |
| 495 mm | 19.49" | 10.4 kg FA |
| 500 mm | 19.68" | 10.5 kg FB |

26° &gt;



### TOP.205.26.R08

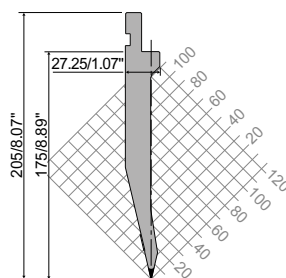
|        |        |            |
|--------|--------|------------|
| 525 mm | 20.67" | 15.6 kg    |
| 495 mm | 19.49" | 16.7 kg FA |
| 500 mm | 19.68" | 16.8 kg FB |

42Cr: 900-1150 N/mm<sup>2</sup>  
950 kN/m max.

Bigorne 2

26°

W=175 | H=205 | R=0.8 mm  
W=6.89 | H=8.07 | R=0.031 in



FA: 495 mm - 19.48"

mm: 25-30-35-40-45-50-100-170

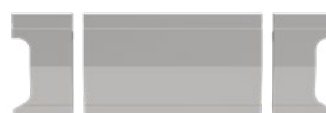
in: 0.98-1.18-1.37-1.57-1.77-1.97-3.94-9.84



FB: 500 mm - 19.68"

mm: <100-300-100>

in: <3.94-11.81-3.94>





## TOP.250.26.R1

|        |        |         |    |
|--------|--------|---------|----|
| 525 mm | 20.67" | 17.7 kg |    |
| 495 mm | 19.49" | 17.7 kg | FA |
| 500 mm | 19.68" | 17.7 kg | FB |

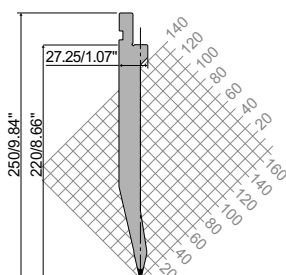
42Cr: 900-1150 N/mm<sup>2</sup>  
1000 kN/m max.

Bigorne 2

26°

W=220 | H=250 | R=1 mm

W=8.66 | H=9.84 | R=0.039 in



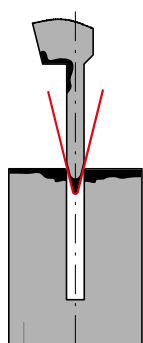
## Outils pli écrasé série TOP

Ce type d'outil a la fonction de pouvoir à la fois plier et écraser le bord d'une tôle avec le même outil.

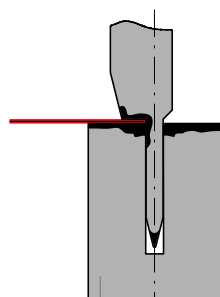
Grâce à cette solution, il est possible de rigidifier les rabats et d'éviter la présence de bavures vers l'extérieur de la tôle. Cette procédure est largement utilisée à des fins de sécurité afin d'éviter des blessures accidentelles aux opérateurs qui doivent manipuler ces pièces. Normalement, 30/10 d'acier doux est considéré comme la limite d'épaisseur maximale et 20/10 pour l'acier inoxydable. Pour les épaisseurs plus importantes, il est possible de trouver des solutions ad hoc qui tiennent compte des forces requises pour la phase d'écrasement. L'écrasement peut être de 2 types : partiel ou total. Par aplatissement partiel ou en forme de goutte, nous entendons un pli qui ne gagne pas tout le retour élastique de la feuille de tôle. Ainsi, en mesurant au point d'aplatissement, nous n'aurons pas exactement la double épaisseur de la tôle mais une dimension plus importante, par exemple avec un 15/10, nous pouvons avoir une dimension extérieure de 40/10. Cette valeur dépend exclusivement de la force appliquée. Donc si nous voulons réaliser un écrasement

total pour un 15/10 d'acier doux et pouvoir mesurer 30/10 en conséquence, il sera fondamental d'utiliser un tonnage plus élevé. Dans le tableau ci-dessous, il est possible de vérifier les forces nécessaires. Un conseil important pour le choix de l'outil à écraser concerne le type de matériau qu'il faut déformer : un poinçon et une matrice à 35° conviennent à l'aluminium ou à l'acier doux type FE, donc à des matériaux à faible retour élastique, tandis que pour les aciers plus résistants comme l'acier inoxydable, il est conseillé d'utiliser un accouplement poinçon et matrice d'au moins 30°, de préférence à 26°. La gestion du retour élastique est fondamentale pour surmonter la résistance du matériau précisément pendant la phase d'écrasement où le matériau a tendance à être éjecté si l'angle obtenu lors du pré-pliage n'est pas suffisamment fermé. Pour les matrices à écraser avec ouverture en "U", le choix doit être fait en tenant compte de l'ouverture et du corps du poinçon qui doivent avoir les mêmes dimensions (largeur) (la longueur de ces outils est de 525 mm avec la possibilité d'avoir également le module fractionné).

## CHARGES MAXIMALES



500 kN/m max.



1000 kN/m max.

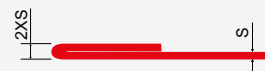
FA: 495 mm - 19.48"

mm: 25-30-35-40-45-50-100-170

in: 0.98-1.18-1.37-1.57-1.77-1.97-3.94-9.84



| S    | S    | A   | A    | R.420 N/mm <sup>2</sup> | R.700 N/mm <sup>2</sup> |
|------|------|-----|------|-------------------------|-------------------------|
| mm   | in   | mm  | in   | kN/m                    | kN/m                    |
| 0.60 | 0.02 | 3.0 | 0.12 | 90                      | 150                     |
| 0.80 | 0.03 | 3.0 | 0.12 | 120                     | 200                     |
| 1.00 | 0.04 | 3.5 | 0.14 | 150                     | 250                     |
| 1.25 | 0.05 | 3.5 | 0.14 | 170                     | 260                     |

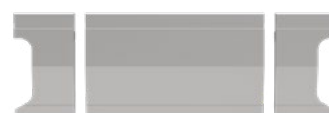


| S    | S    | A   | A    | R.420 N/mm <sup>2</sup> | R.700 N/mm <sup>2</sup> |
|------|------|-----|------|-------------------------|-------------------------|
| mm   | in   | mm  | in   | kN/m                    | kN/m                    |
| 0.60 | 0.02 | 1.2 | 0.05 | 230                     | 350                     |
| 0.80 | 0.03 | 1.6 | 0.06 | 320                     | 500                     |
| 1.00 | 0.04 | 1.0 | 0.04 | 400                     | 600                     |
| 1.25 | 0.05 | 2.5 | 0.10 | 500                     | 800                     |

FB: 500 mm - 19.68"

mm: <100-300-100>

in: <3.94-11.81-3.94>





**TOP150.30.R12**

500 mm 19.68" 8.75 kg  
550 mm 21.65" 9.62 kg FW

**30° >**

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

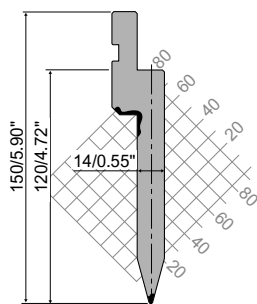
30°

W=120 | H=150 | R=1.2 mm

W=4.72 | H=5.90 | R=0.047 in

**NEW**

À utiliser avec:

SM55.14.30/CSM55.12.30/C**TOP.SP.134.28.8**

525 mm 20.67" 12.0 kg  
495 mm 19.49" 11.3 kg FA

**28° >**

42Cr: 900-1150 N/mm<sup>2</sup>  
800 - 1000 kN/m max

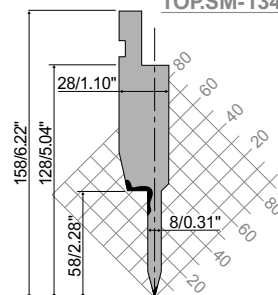
28°

W=128 | H=158 | R=0.6 mm

W=5.04 | H=6.22 | R=0.024 in



À utiliser avec:

TOP.SM-134.28.8TOP.SM-134.24.8**TOP.SP.134.24.8**

525 mm 20.67" 11.0 kg  
495 mm 19.49" 10.3 kg FA

**24° >**

42Cr: 900-1150 N/mm<sup>2</sup>  
800 - 1000 kN/m max.

24°

W=128 | H=158 | R=0.6 mm

W=5.04 | H=6.22 | R=0.024 in

**TOP.SP.134.24.10**

525 mm 20.67" 11.0 kg  
495 mm 19.49" 10.3 kg FA

42Cr: 900-1150 N/mm<sup>2</sup>  
800 - 1000 kN/m max.

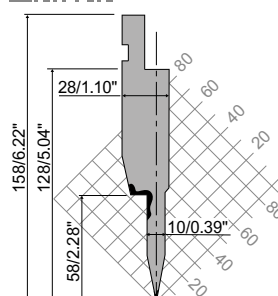
24°

W=128 | H=158 | R=0.6 mm

W=5.04 | H=6.22 | R=0.024 in



À utiliser avec:

TOP.SM-134.24.10**TOP.SP.134.24.12**

525 mm 20.67" 11.6 kg  
495 mm 19.49" 11.0 kg FA

42Cr: 900-1150 N/mm<sup>2</sup>  
950 kN/m max.

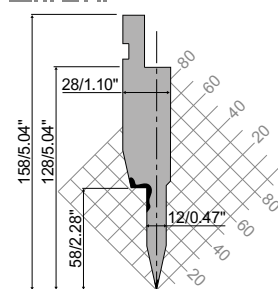
24°

W=128 | H=158 | R=0.6 mm

W=5.04 | H=6.22 | R=0.024 in



À utiliser avec:

TOP.SM-134.24.12

FA: 495 mm - 19.48"

mm: 25-30-35-40-45-50-100-170

in: 0.98-1.18-1.37-1.57-1.77-1.97-3.94-9.84



FW: 550 mm 21.65"

mm: &lt;100-100-50-45-40-35-30-25-25-100&gt;

in: &lt;3.94-3.94-1.97-1.77-1.57-1.37-1.18-0.98-0.98-3.94&gt;

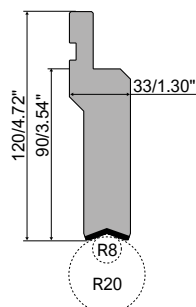


### TOP.PC.120-08

522 mm 20.55" 11.0 kg  
495 mm 19.49" 10.5 kg FA

42Cr: 900-1150 N/mm<sup>2</sup>  
1000 kN/m max.

W=90 | H=120 mm  
W=3.54 | H=4.72 in

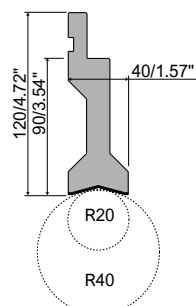


### TOP.PC.120-20

522 mm 20.55" 10.5 kg  
495 mm 19.49" 10 kg FA

42Cr: 900-1150 N/mm<sup>2</sup>  
1000 kN/m max.

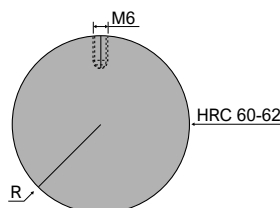
W=90 | H=120 mm  
W=3.54 | H=4.72 in



### ÉLÉMENTS RAYONNÉS: R08-R40

|          | R<br>mm | R<br>in | 525 mm<br>20.67 in | FA      |
|----------|---------|---------|--------------------|---------|
| TOPC08   | 8.0     | 0.31    | 0.8 kg             | 0.8 kg  |
| TOPC09   | 9.0     | 0.35    | 1.0 kg             | 1.0 kg  |
| TOPC10   | 10.0    | 0.39    | 1.3 kg             | 1.2 kg  |
| TOPC11   | 11.0    | 0.43    | 1.6 kg             | 1.5 kg  |
| TOPC12.5 | 12.5    | 0.49    | 2.0 kg             | 1.9 kg  |
| TOPC14   | 14.0    | 0.55    | 2.5 kg             | 2.4 kg  |
| TOPC15   | 15.0    | 0.59    | 2.9 kg             | 2.7 kg  |
| TOPC16   | 16.0    | 0.63    | 3.3 kg             | 3.1 kg  |
| TOPC17.5 | 17.5    | 0.69    | 4.0 kg             | 3.7 kg  |
| TOPC19   | 19.0    | 0.75    | 4.7 kg             | 4.4 kg  |
| TOPC20   | 20.0    | 0.79    | 5.2 kg             | 4.9 kg  |
| TOPC21   | 21.0    | 0.83    | 5.7 kg             | 5.4 kg  |
| TOPC22.5 | 22.5    | 0.88    | 6.6 kg             | 6.2 kg  |
| TOPC24   | 24.0    | 0.94    | 7.5 kg             | 7.0 kg  |
| TOPC25   | 25.0    | 0.98    | 8.1 kg             | 7.6 kg  |
| TOPC27.5 | 27.5    | 1.08    | 9.8 kg             | 9.2 kg  |
| TOPC30   | 30.0    | 1.18    | 11.6 kg            | 11.0 kg |
| TOPC32.5 | 32.5    | 1.28    | 13.7 kg            | 12.9 kg |
| TOPC35   | 35.0    | 1.14    | 15.9 kg            | 14.9 kg |
| TOPC37.5 | 37.5    | 1.47    | 18.2 kg            | 17.2 kg |
| TOPC40   | 40.0    | 1.57    | 20.7 kg            | 19.5 kg |

C53: 610 -760 N/mm<sup>2</sup>  
1000 kN/m max.



FA: 495 mm - 19.48"  
mm: 25-30-35-40-45-50-100-170  
in: 0.98-1.18-1.37-1.57-1.77-1.97-3.94-9.84

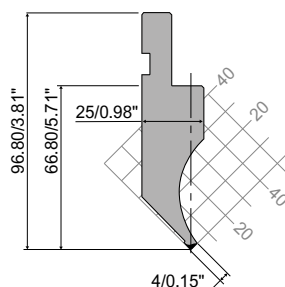


L'objectif du manuel de pliage est de fournir des éléments concrets et utiles pour arriver plus rapidement au résultat final. De multiples exemples, des formules simples et de nombreuses informations qui expliquent l'approche correcte du pliage.

### PK.97.90.R06

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 10.5 kg |    |
| 415 mm | 16.34" | 5.2 kg  |    |
| 795 mm | 31.29" | 10.1 kg | FX |
| 805 mm | 31.69" | 10.1 kg | F  |

90° &gt;



### P.97.90.R025

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 10.5 kg |    |
| 415 mm | 16.34" | 5.2 kg  |    |
| 795 mm | 31.29" | 10.1 kg | FX |
| 805 mm | 31.69" | 10.1 kg | F  |

42Cr: 900-1150 N/mm<sup>2</sup>  
350 kN/m max.  
Bigorne 1

90°

W=66.80 | H=96.80 | R=0.6 mm  
W=5.71 | H=3.81 | R=0.010 in



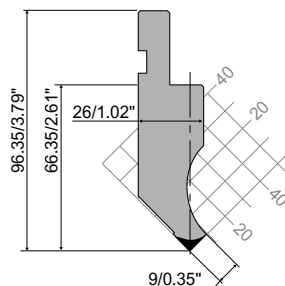
### PK.97.90.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 11 kg   |    |
| 415 mm | 16.34" | 5.5 kg  |    |
| 795 mm | 31.29" | 10.5 kg | FX |
| 805 mm | 31.69" | 10.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.  
Bigorne 1

90°

W=66.35 | H=96.35 | R=0.8 mm  
W=2.61 | H=3.79 | R=0.031 in



### PK.97.90.R025

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 11 kg   |    |
| 415 mm | 16.34" | 5.5 kg  |    |
| 795 mm | 31.29" | 10.5 kg | FX |
| 805 mm | 31.69" | 10.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.  
Bigorne 1

90°

W=66.35 | H=96.35 | R=0.25 mm  
W=2.61 | H=3.79 | R=0.010 in



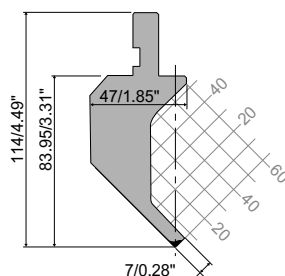
### PK.114.90.R06

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 15.6 kg |    |
| 415 mm | 16.34" | 7.7 kg  |    |
| 795 mm | 31.29" | 14.8 kg | FX |
| 805 mm | 31.69" | 15.0 kg | F  |

42Cr: 900-1150 N/mm<sup>2</sup>  
950 kN/m max.  
Bigorne 1

90°

W=83.95 | H=114 | R=0.6 mm  
W=3.31 | H=4.49 | R=0.02 in



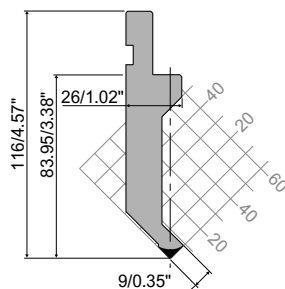
### PK.116.90.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13 kg   |    |
| 415 mm | 16.34" | 6.5 kg  |    |
| 795 mm | 31.29" | 12.3 kg | FX |
| 805 mm | 31.69" | 12.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
400 kN/m max.  
Bigorne 1

90°

W=83.95 | H=116 | R=0.8 mm  
W=3.38 | H=4.57 | R=0.031 in



FX: 795 mm - 31.29"

mm: &lt;100-250-20-25-30-35-40-45-50-100-100&gt;

in: &lt;3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94&gt;



F: 805 mm - 31.69"

mm: &lt;100-370-10-15-20-40-50-100-100&gt;

in: &lt;3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94&gt;



### DK.116.90.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 11.9 kg |    |
| 415 mm | 16.34" | 5.8 kg  |    |
| 795 mm | 31.29" | 11.3 kg | FX |
| 805 mm | 31.69" | 11.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

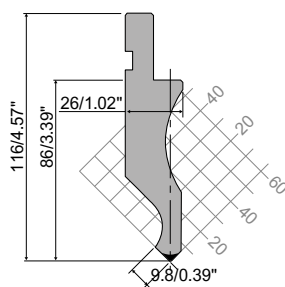
500 kN/m max.

Bigorne 1

90°

W=86 | H=116 | R=0.8 mm

W=3.39 | H=4.57 | R=0.031 in



### PK.120.90.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 21.0 kg |    |
| 415 mm | 16.34" | 10.5 kg |    |
| 795 mm | 31.29" | 20.0 kg | FX |
| 805 mm | 31.69" | 20.2 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

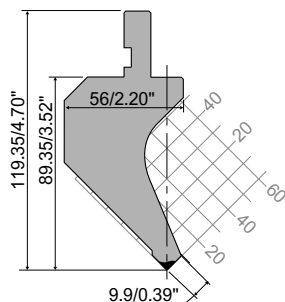
600 kN/m max.

Bigorne 1

90°

W=89.35 | H=119.35 | R=0.8 mm

W=3.52 | H=4.70 | R=0.031 in



### PK.120.90.R025

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 21.0 kg |    |
| 415 mm | 16.34" | 10.5 kg |    |
| 795 mm | 31.29" | 20.0 kg | FX |
| 805 mm | 31.69" | 20.2 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

Bigorne 1

90°

W=89.6 | H=119.6 | R=0.25 mm

W=3.53 | H=4.71 | R=0.010 in

### P.130.90.R06

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 9.8 kg |    |
| 415 mm | 16.34" | 4.9 kg |    |
| 795 mm | 31.29" | 9.3 kg | FX |
| 805 mm | 31.69" | 9.4 kg | F  |

42Cr: 900-1150 N/mm<sup>2</sup>

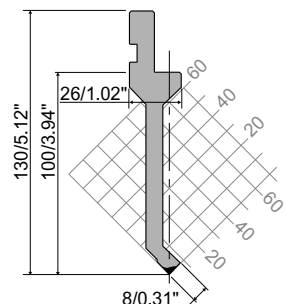
350 kN/m max.

Bigorne 1

90°

W=100 | H=130 | R=0.6 mm

W=3.94 | H=5.12 | R=0.024 in



### P.130.90.R025

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 9.8 kg |    |
| 415 mm | 16.34" | 4.9 kg |    |
| 795 mm | 31.29" | 9.3 kg | FX |
| 805 mm | 31.69" | 9.4 kg | F  |

42Cr: 900-1150 N/mm<sup>2</sup>

350 kN/m max.

Bigorne 1

90°

W=100 | H=130 | R=0.25 mm

W=3.94 | H=5.12 | R=0.010 in

### PK.135.90.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 22.7 kg |    |
| 415 mm | 16.34" | 11.3 kg |    |
| 795 mm | 31.29" | 21.7 kg | FX |
| 805 mm | 31.69" | 22.0 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

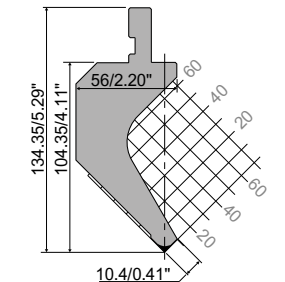
500 kN/m max.

Bigorne 1

90°

W=104.35 | H=134.35 | R=0.8 mm

W=4.11 | H=5.29 | R=0.031 in



### PK.135.90.R025

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 22.7 kg |    |
| 415 mm | 16.34" | 11.3 kg |    |
| 795 mm | 31.29" | 21.7 kg | FX |
| 805 mm | 31.69" | 22.0 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

500 kN/m max.

Bigorne 1

90°

W=104.6 | H=134.6 | R=0.25 mm

W=4.12 | H=5.30 | R=0.010 in

FX: 795 mm - 31.29"

mm: &lt;100-250-20-25-30-35-40-45-50-100-100&gt;

in: &lt;3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94&gt;

F: 805 mm - 31.69"

mm: 100-370-10-15-20-40-50-100-100

in: 3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94

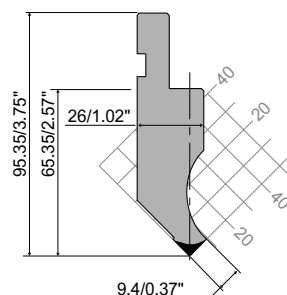




## P.95.88.R3

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 11 kg   |    |
| 415 mm | 16.34" | 5.5 kg  |    |
| 795 mm | 31.29" | 10.5 kg | FX |
| 805 mm | 31.69" | 10.6 kg | F  |

88° &gt;

C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

Bigorne 1

88°

W=65.35 | H=95.35 | R=3 mm

W=2.57 | H=3.75 | R=0.12 in

## P.97.88.R06

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 9.5 kg  |    |
| 415 mm | 16.34" | 5.0 kg  |    |
| 795 mm | 31.29" | 9.2 kg  | FX |
| 805 mm | 31.69" | 9.5 kg  | F  |
| 900 mm | 35.43" | 11.0 kg |    |

C45: 560-710 N/mm<sup>2</sup>

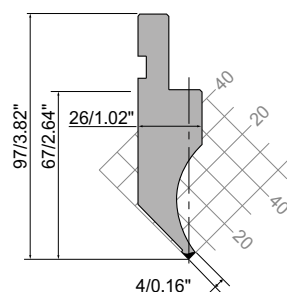
350 kN/m max.

Bigorne 1

88°

W=67.00 | H=97.00 | R=0.6 mm

W=2.64 | H=3.82 | R=0.024 in



## P.97.88.R025

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 9.5 kg  |    |
| 415 mm | 16.34" | 5 kg    |    |
| 795 mm | 31.29" | 9.2 kg  | FX |
| 805 mm | 31.69" | 9.5 kg  | F  |
| 900 mm | 35.43" | 11.0 kg |    |

C45: 560-710 N/mm<sup>2</sup>

350 kN/m max.

Bigorne 1

88°

W=66.95 | H=96.95 | R=0.25 mm

W=2.64 | H=3.82 | R=0.010 in



## P.97.88.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 11.1 kg |    |
| 415 mm | 16.34" | 5.5 kg  |    |
| 795 mm | 31.29" | 10.6 kg | FX |
| 805 mm | 31.69" | 10.7 kg | F  |
| 900 mm | 35.43" | 11.9 kg |    |

C45: 560-710 N/mm<sup>2</sup>

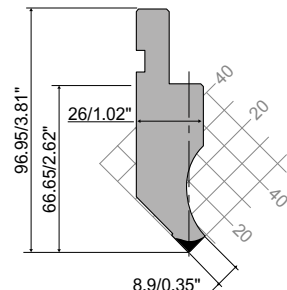
1000 kN/m max.

Bigorne 1

88°

W=66.65 | H=96.65 | R=0.8 mm

W=2.62 | H=3.81 | R=0.031 in



## PK.97.88.R025

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 11.1 kg |    |
| 415 mm | 16.34" | 5.5 kg  |    |
| 795 mm | 31.29" | 10.6 kg | FX |
| 805 mm | 31.69" | 10.7 kg | F  |
| 900 mm | 35.43" | 11.9 kg |    |

C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

Bigorne 1

88°

W=66.60 | H=96.60 | R=0.25 mm

W=2.62 | H=3.80 | R=0.010 in



## P.114.88.R06

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 15.6 kg |    |
| 415 mm | 16.34" | 7.7 kg  |    |
| 795 mm | 31.29" | 14.8 kg | FX |
| 805 mm | 31.69" | 15.0 kg | F  |

42Cr: 900-1150 N/mm<sup>2</sup>

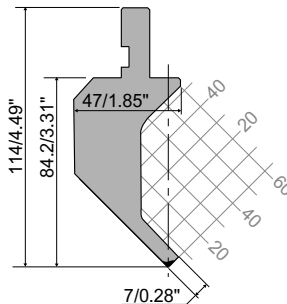
200 kN/m max.

Bigorne 1

88°

W=84.20 | H=114 | R=0.6 mm

W=3.31 | H=4.49 | R=0.024 in



FX: 795 mm - 31.29"

mm: &lt;100-250-20-25-30-35-40-45-50-100-100&gt;

in: &lt;3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94&gt;

F: 805 mm - 31.69"

mm: &lt;100-370-10-15-20-40-50-100-100&gt;

in: &lt;3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94&gt;



**P.115.88.R06**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.0 kg |    |
| 415 mm | 16.34" | 6.5 kg  |    |
| 795 mm | 31.29" | 12.4 kg | FX |
| 805 mm | 31.69" | 12.6 kg | F  |

42Cr: 900-1150 N/mm<sup>2</sup>

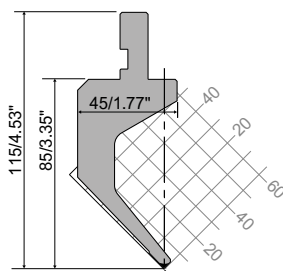
130 kN/m max.

Bigorne 1

88°

W=85 | H=115 | R=0.6 mm

W=3.35 | H=4.53 | R=0.024 in

**D.116.88.R08**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 11.9 kg |    |
| 415 mm | 16.34" | 5.8 kg  |    |
| 795 mm | 31.29" | 11.3 kg | FX |
| 805 mm | 31.69" | 11.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

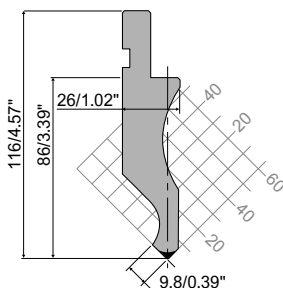
500 kN/m max.

Bigorne 1

88°

W=86.00 | H=116.00 | R=0.8 mm

W=3.39 | H=4.57 | R=0.031 in

**D.116.88.R3**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 11.9 kg |    |
| 415 mm | 16.34" | 5.8 kg  |    |
| 795 mm | 31.29" | 11.3 kg | FX |
| 805 mm | 31.69" | 11.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

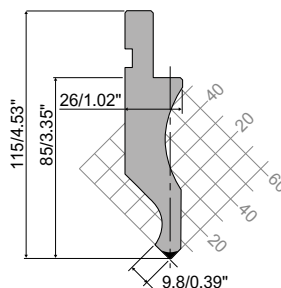
500 kN/m max.

Bigorne 1

88°

W=85.00 | H=115.00 | R=3 mm

W=3.35 | H=4.53 | R=0.118 in

**P.116.88.R08**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 12.0 kg |    |
| 415 mm | 16.34" | 6.0 kg  |    |
| 795 mm | 31.29" | 11.4 kg | FX |
| 805 mm | 31.69" | 11.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

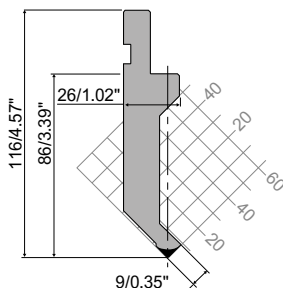
400 kN/m max.

Bigorne 1

88°

W=86 | H=116 | R=0.8 mm

W=3.39 | H=4.57 | R=0.031 in

**PS.120.88.R08**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.4 kg |    |
| 415 mm | 16.34" | 8.2 kg  |    |
| 795 mm | 31.29" | 15.6 kg | FX |
| 805 mm | 31.69" | 15.8 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

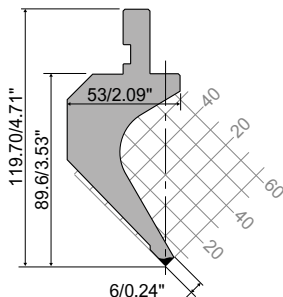
450 kN/m max.

Bigorne 1

88°

W=89.70 | H=119.70 | R=0.8 mm

W=3.53 | H=4.71 | R=0.031 in



FX: 795 mm - 31.29"

mm: &lt;100-250-20-25-30-35-40-45-50-100-100&gt;

in: &lt;3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94&gt;

F: 805 mm - 31.69"

mm: &lt;100-370-10-15-20-40-50-100-100&gt;

in: &lt;3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94&gt;



### P.125.88.R025

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 9.1 kg |    |
| 415 mm | 16.34" | 4.5 kg |    |
| 795 mm | 31.29" | 8.7 kg | FX |
| 805 mm | 31.69" | 8.8 kg | F  |

42Cr: 900-1150 N/mm<sup>2</sup>

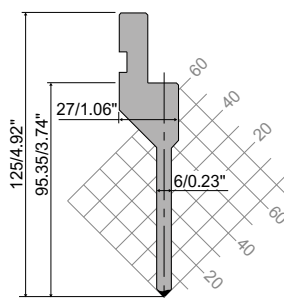
500 kN/m max.

Bigorne 1

88°

W=95.35 | H=125 | R=0.25 mm

W=3.74 | H=4.92 | R=0.010 in



### P.120.88.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 21.4 kg |    |
| 415 mm | 16.34" | 10.7 kg |    |
| 795 mm | 31.29" | 20.5 kg | FX |
| 805 mm | 31.69" | 20.7 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

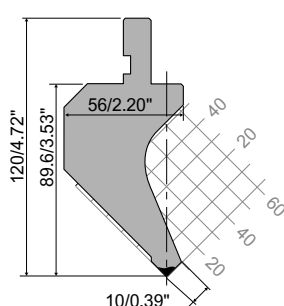
600 kN/m max.

Bigorne 1

88°

W=89.65 | H=120.00 | R=0.8 mm

W=3.53 | H=4.72 | R=0.031 in



### PK.120.88.R025

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 21.4 kg |    |
| 415 mm | 16.34" | 10.7 kg |    |
| 795 mm | 31.29" | 20.5 kg | FX |
| 805 mm | 31.69" | 20.7 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

Bigorne 1

88°

W=89.6 | H=120.0 | R=0.25 mm

W=3.53 | H=4.72 | R=0.010 in



### P.120.88.R3

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 21.4 kg |    |
| 415 mm | 16.34" | 10.7 kg |    |
| 795 mm | 31.29" | 20.5 kg | FX |
| 805 mm | 31.69" | 20.7 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

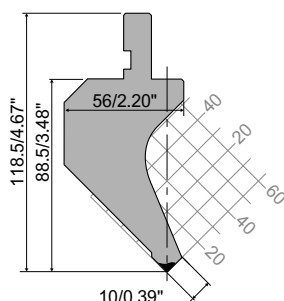
600 kN/m max.

Bigorne 1

88°

W=88.50 | H=118.50 | R=3 mm

W=3.48 | H=4.67 | R=0.118 in



### P.130.88.R06

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 9.8 kg  |    |
| 415 mm | 16.34" | 4.9 kg  |    |
| 795 mm | 31.29" | 9.3 kg  | FX |
| 805 mm | 31.69" | 9.4 kg  | F  |
| 900 mm | 35.43" | 10.6 kg |    |

42Cr: 900-1150 N/mm<sup>2</sup>

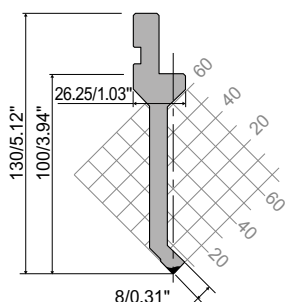
350 kN/m max.

Bigorne 1

88°

W=100 | H=130 | R=0.6 mm

W=3.94 | H=5.12 | R=0.024 in



### PK.130.88.R025

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 9.8 kg  |    |
| 415 mm | 16.34" | 4.9 kg  |    |
| 795 mm | 31.29" | 9.3 kg  | FX |
| 805 mm | 31.69" | 9.4 kg  | F  |
| 900 mm | 35.43" | 10.6 kg |    |

42Cr: 900-1150 N/mm<sup>2</sup>

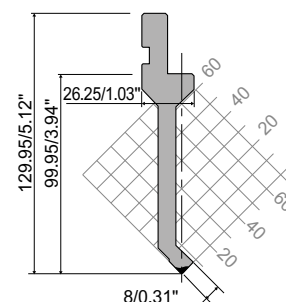
350 kN/m max.

Bigorne 1

88°

W=99.95 | H=129.95 | R=0.25 mm

W=3.94 | H=5.12 | R=0.010 in



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>

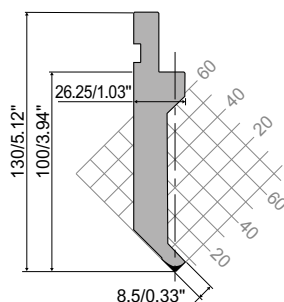
in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>

**P.130.88.R08**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.7 kg |    |
| 415 mm | 16.34" | 6.8 kg  |    |
| 795 mm | 31.29" | 13.0 kg | FX |
| 805 mm | 31.69" | 13.2 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
400 kN/m max.  
Bigorne 1

88°  
W=100.0 | H=130.0 | R=0.8 mm  
W=3.94 | H=5.12 | R=0.031 in

**P.130.88.R025**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.7 kg |    |
| 415 mm | 16.34" | 6.8 kg  |    |
| 795 mm | 31.29" | 13.0 kg | FX |
| 805 mm | 31.69" | 13.2 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
400 kN/m max.  
Bigorne 1

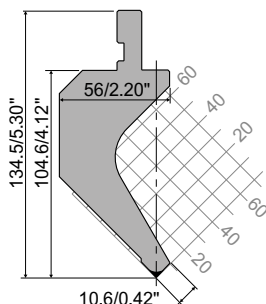
88°  
W=100.0 | H=130.0 | R=0.25 mm  
W=3.94 | H=5.12 | R=0.010 in

**P.135.88.R08**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 22.7 kg |    |
| 415 mm | 16.34" | 11.3 kg |    |
| 795 mm | 31.29" | 21.7 kg | FX |
| 805 mm | 31.69" | 22.0 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
500 kN/m max.  
Bigorne 1

88°  
W=104.6 | H=134.5 | R=0.8 mm  
W=4.12 | H=5.30 | R=0.031 in

**PK.135.88.R025**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 22.7 kg |    |
| 415 mm | 16.34" | 11.3 kg |    |
| 795 mm | 31.29" | 21.7 kg | FX |
| 805 mm | 31.69" | 22.0 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
500 kN/m max.  
Bigorne 1

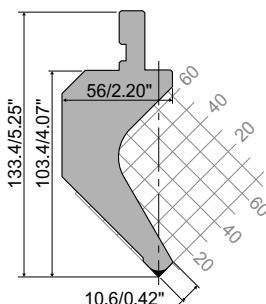
88°  
W=104.6 | H=134.5 | R=0.25 mm  
W=4.12 | H=5.30 | R=0.010 in

**P.135.88.R3**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 22.7 kg |    |
| 415 mm | 16.34" | 11.3 kg |    |
| 795 mm | 31.29" | 21.7 kg | FX |
| 805 mm | 31.69" | 22.0 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
500 kN/m max.  
Bigorne 1

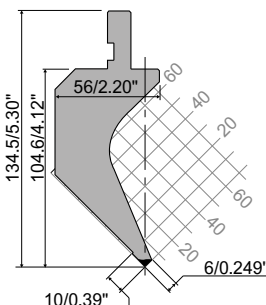
88°  
W=103.4 | H=133.4 | R=3.0 mm  
W=4.07 | H=5.25 | R=0.118 in

**PS.135.88.R08**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 22.2 kg |    |
| 415 mm | 16.34" | 11.0 kg |    |
| 795 mm | 31.29" | 21.1 kg | FX |
| 805 mm | 31.69" | 21.4 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
450 kN/m max.  
Bigorne 1

88°  
W=104.6 | H=134.5 | R=0.8 mm  
W=4.12 | H=5.30 | R=0.031 in



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>  
in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>



F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>  
in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>





## PR.135.88.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 23.8 kg |    |
| 415 mm | 16.34" | 11.8 kg |    |
| 795 mm | 31.29" | 22.7 kg | FX |
| 805 mm | 31.69" | 23.0 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

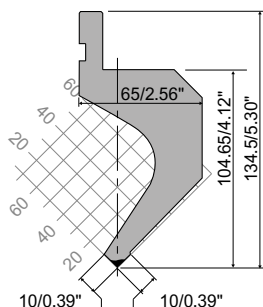
450 kN/m max.

Bigorne 1

88°

W=104.65 | H=134.5 | R=0.8 mm

W=4.12 | H=5.30 | R=0.031 in



## P.150.88.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 21.2 kg |    |
| 415 mm | 16.34" | 10.6 kg |    |
| 795 mm | 31.29" | 20.2 kg | FX |
| 805 mm | 31.69" | 20.5 kg | F  |
| 900 mm | 35.43" | 22.9 kg |    |

42Cr: 900-1150 N/mm<sup>2</sup>

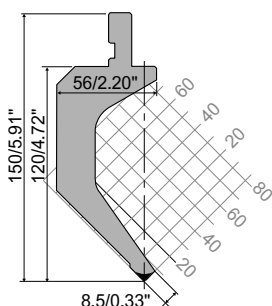
500 kN/m max.

Bigorne 1

88°

W=120.0 | H=150.0 | R=0.8 mm

W=4.72 | H=5.91 | R=0.031 in



## P.150.88.R3

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 21.2 kg |    |
| 415 mm | 16.34" | 10.6 kg |    |
| 795 mm | 31.29" | 20.2 kg | FX |
| 805 mm | 31.69" | 20.5 kg | F  |
| 900 mm | 35.43" | 22.9 kg |    |

42Cr: 900-1150 N/mm<sup>2</sup>

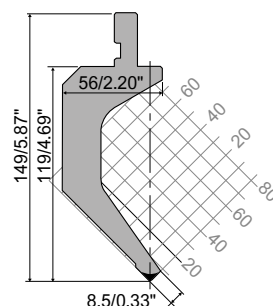
500 kN/m max.

Bigorne 1

88°

W=119.0 | H=149.0 | R=3.0 mm

W=4.69 | H=5.87 | R=0.118 in



## P.150.88.R06

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 10.9 kg |    |
| 415 mm | 16.34" | 5.4 kg  |    |
| 795 mm | 31.29" | 10.3 kg | FX |
| 805 mm | 31.69" | 10.4 kg | F  |
| 900 mm | 35.43" | 11.7 kg |    |

42Cr: 900-1150 N/mm<sup>2</sup>

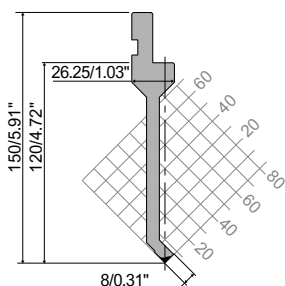
350 kN/m max.

Bigorne 1

88°

W=120.0 | H=150.0 | R=0.6 mm

W=4.72 | H=5.91 | R=0.024 in



## P.150.88.R025

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 10.2 kg |    |
| 415 mm | 16.34" | 5.0 kg  |    |
| 795 mm | 31.29" | 9.7 kg  | FX |
| 805 mm | 31.69" | 9.8 kg  | F  |

42Cr: 900-1150 N/mm<sup>2</sup>

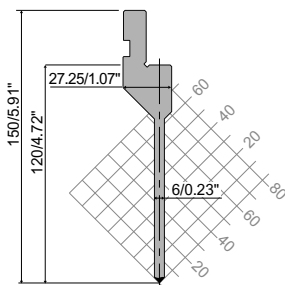
500 kN/m max.

Bigorne 1

88°

W=120 | H=150 | R=0.25 mm

W=4.72 | H=5.91 | R=0.010 in



FX: 795 mm - 31.29"

mm: &lt;100-250-20-25-30-35-40-45-50-100-100&gt;

in: &lt;3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94&gt;

F: 805 mm - 31.69"

mm: &lt;100-370-10-15-20-40-50-100-100&gt;

in: &lt;3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94&gt;



**P.175.88.R08**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 35.7 kg |    |
| 415 mm | 16.34" | 17.7 kg |    |
| 795 mm | 31.29" | 34.0 kg | FX |
| 805 mm | 31.69" | 34.4 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

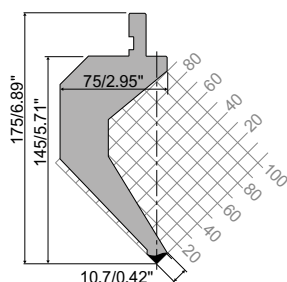
500 kN/m max.

Bigorne 1

88°

W=145.0 | H=175.0 | R=0.8 mm

W=5.71 | H=6.89 | R=0.031 in

**P.195.88.R08**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 40.8 kg |    |
| 415 mm | 16.34" | 20.3 kg |    |
| 795 mm | 31.29" | 38.8 kg | FX |
| 805 mm | 31.69" | 39.3 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

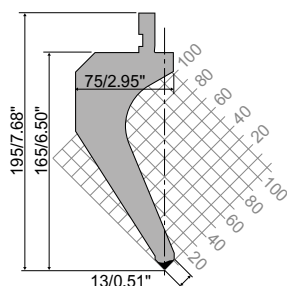
600 kN/m max.

Bigorne 1

88°

W=165 | H=195 | R=0.8 mm

W=6.50 | H=7.68 | R=0.031 in

**P.196.88.R06**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 42.0 kg |    |
| 415 mm | 16.34" | 20.8 kg |    |
| 795 mm | 31.29" | 40.0 kg | FX |
| 805 mm | 31.69" | 40.4 kg | F  |
| 905 mm | 35.43" | 45.2 kg |    |

C45: 560-710 N/mm<sup>2</sup>

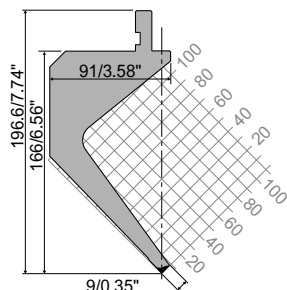
400 kN/m max.

Bigorne 1

88°

W=166.6 | H=196.6 | R=0.6 mm

W=6.56 | H=7.74 | R=0.024 in

**P.97.85.R08**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 11.0 kg |    |
| 415 mm | 16.34" | 5.5 kg  |    |
| 795 mm | 31.29" | 10.4 kg | FX |
| 805 mm | 31.69" | 10.6 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

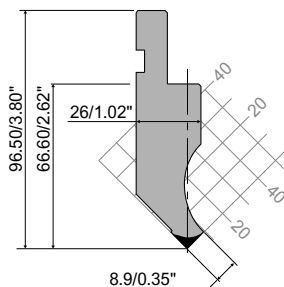
1000 kN/m max.

Bigorne 1

85°

W=66.60 | H=96.50 | R=0.8 mm

W=2.62 | H=3.80 | R=0.031 in

**PK.95.85.R3**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 11 kg   |    |
| 415 mm | 16.34" | 5.5 kg  |    |
| 795 mm | 31.29" | 10.4 kg | FX |
| 805 mm | 31.69" | 10.6 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

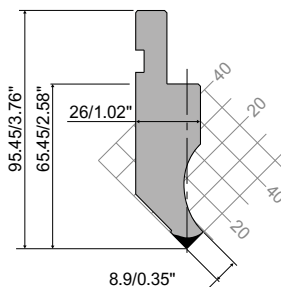
1000 kN/m max.

Bigorne 1

85°

W=65.45 | H=95.45 | R=3 mm

W=2.58 | H=3.76 | R=0.118 in



F: 805 mm - 31.69"

mm: &lt;100-250-20-25-30-35-40-45-50-100-100&gt;

in: &lt;3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94&gt;

FX: 795 mm - 31.29"

mm: &lt;100-250-20-25-30-35-40-45-50-100-100&gt;

in: &lt;3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94&gt;



### PK.120.85.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 15.6 kg |    |
| 415 mm | 16.34" | 7.7 kg  |    |
| 795 mm | 31.29" | 14.8 kg | FX |
| 805 mm | 31.69" | 15.0 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

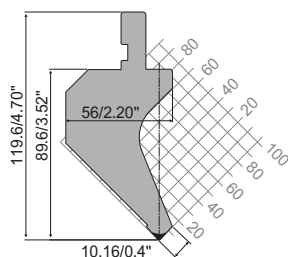
600 kN/m max.

Bigorne 1

85°

W=89.6 | H=119.6 | R=0.8 mm

W=3.52 | H=4.70 | R=0.031 in



### P.120.85.R1

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.5 kg |    |
| 415 mm | 16.34" | 6.7 kg  |    |
| 795 mm | 31.29" | 12.9 kg | FX |
| 805 mm | 31.69" | 19 kg   | F  |

42Cr: 900-1150 N/mm<sup>2</sup>

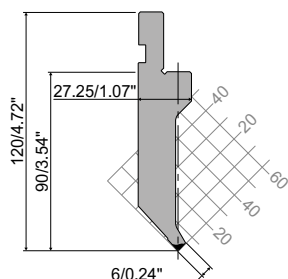
800 kN/m max.

Bigorne 1

85°

W=90.0 | H=120.0 | R=1 mm

W=3.54 | H=4.72 | R=0.039 in



### P.130.85.R025

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 9.8 kg |    |
| 415 mm | 16.34" | 4.9 kg |    |
| 795 mm | 31.29" | 9.3 kg | FX |
| 805 mm | 31.69" | 9.4 kg | F  |

42Cr: 900-1150 N/mm<sup>2</sup>

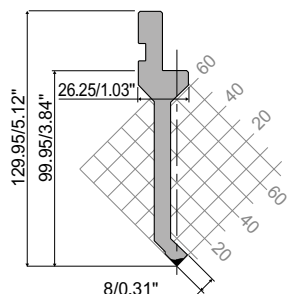
350 kN/m max.

Bigorne 1

85°

W=99.95 | H=129.95 | R=0.25 mm

W=3.84 | H=5.12 | R=0.010 in



### P.130.85.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.7 kg |    |
| 415 mm | 16.34" | 6.8 kg  |    |
| 795 mm | 31.29" | 13 kg   | FX |
| 805 mm | 31.69" | 13.2 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

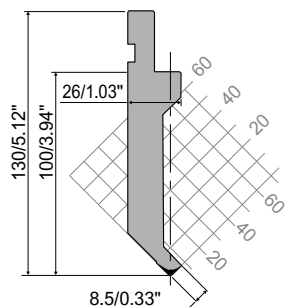
400 kN/m max.

Bigorne 1

85°

W=100 | H=130 | R=0.8 mm

W=3.94 | H=5.12 | R=0.031 in



FX: 795 mm - 31.29"

mm: &lt;100-250-20-25-30-35-40-45-50-100-100&gt;

in: &lt;3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94&gt;



F: 805 mm - 31.69"

mm: &lt;100-370-10-15-20-40-50-100-100&gt;

in: &lt;3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94&gt;



### PK.135.85.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 22.2 kg |    |
| 415 mm | 16.34" | 11.0 kg |    |
| 795 mm | 31.29" | 21.7 kg | FX |
| 805 mm | 31.69" | 21.7 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

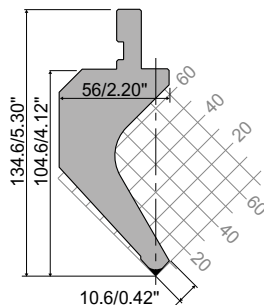
500 kN/m max.

Bigorne 1

85°

W=104.6 | H=134.6 | R=0.8 mm

W=4.12 | H=5.30 | R=0.031 in



### P.135.85.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 20.9 kg |    |
| 415 mm | 16.34" | 10.4 kg |    |
| 795 mm | 31.29" | 19.2 kg | FX |
| 805 mm | 31.69" | 20.2 kg | F  |

42Cr: 900-1150 N/mm<sup>2</sup>

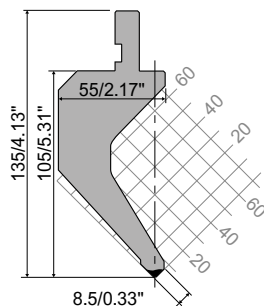
800 kN/m max.

Bigorne 1

85°

W=105 | H=135 | R=0.8 mm

W=5.31 | H=4.13 | R=0.031 in



### PS.135.85.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 17.7 kg |    |
| 415 mm | 16.34" | 8.8 kg  |    |
| 795 mm | 31.29" | 16.9 kg | FX |
| 805 mm | 31.69" | 17.1 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

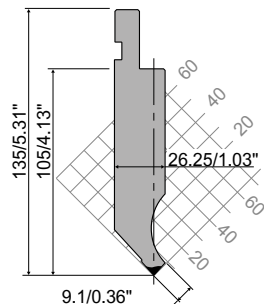
1000 kN/m max.

Bigorne 1

85°

W=105 | H=135 | R=0.8 mm

W=4.13 | H=5.31 | R=0.031 in



### P.145.85.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 22.6 kg |    |
| 415 mm | 16.34" | 11.2 kg |    |
| 795 mm | 31.29" | 21.5 kg | FX |
| 805 mm | 31.69" | 21.8 kg | F  |

42Cr: 900-1150 N/mm<sup>2</sup>

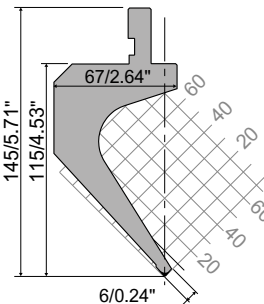
600 kN/m max.

Bigorne 1

85°

W=115 | H=145 | R=0.8 mm

W=4.53 | H=5.71 | R=0.031 in



FX: 795 mm - 31.29"

mm: &lt;100-250-20-25-30-35-40-45-50-100-100&gt;

in: &lt;3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94&gt;

F: 805 mm - 31.69"

mm: &lt;100-370-10-15-20-40-50-100-100&gt;

in: &lt;3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94&gt;



### P.150.85.R1

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 17.5 kg |    |
| 415 mm | 16.34" | 8.7 kg  |    |
| 795 mm | 31.29" | 16.6 kg | FX |
| 805 mm | 31.69" | 16.6 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

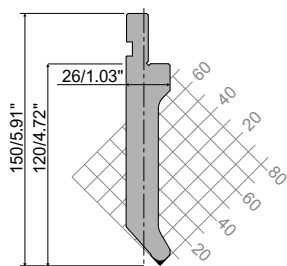
700 kN/m max.

Bigorne 1

85°

W=120 | H=150 | R=1.0 mm

W=4.72 | H=5.91 | R=0.039 in



### P.250.85.R15

|        |        |         |    |
|--------|--------|---------|----|
| 415 mm | 16.34" | 33.1 kg |    |
| 795 mm | 31.29" | 63.3 kg | FX |

42Cr: 900-1150 N/mm<sup>2</sup>

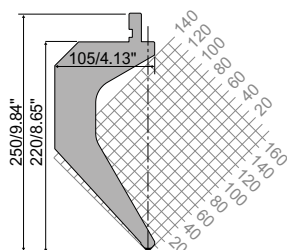
850 kN/m max.

Bigorne 1

85°

W=220.0 | H=250.0 | R=1.5 mm

W=8.65 | H=9.84 | R=0.059 in



### P.97.75.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 11 kg   |    |
| 415 mm | 16.34" | 5.4 kg  |    |
| 795 mm | 31.29" | 10.4 kg | FX |
| 805 mm | 31.69" | 10.6 kg | F  |

42Cr: 900-1150 N/mm<sup>2</sup>

1000 kN/m max.

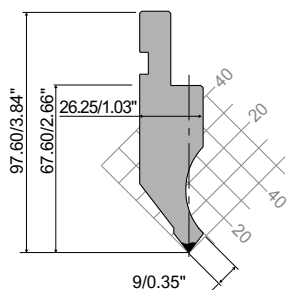
Bigorne 1

75°

W=67.60 | H=97.60 | R=0.8 mm

W=2.66 | H=3.84 | R=0.031 in

75° &gt;



### P.135.75.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 17.5 kg |    |
| 415 mm | 16.34" | 8.7 kg  |    |
| 795 mm | 31.29" | 16.7 kg | FX |
| 805 mm | 31.69" | 16.9 kg | F  |

42Cr: 900-1150 N/mm<sup>2</sup>

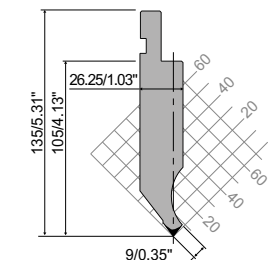
1000 kN/m max.

Bigorne 1

75°

W=105 | H=135 | R=0.8 mm

W= 4.13 | H=5.31 | R=0.031 in



FX: 795 mm - 31.29"

mm: &lt;100-250-20-25-30-35-40-45-50-100-100&gt;

in: &lt;3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94&gt;



F: 805 mm - 31.69"

mm: &lt;100-370-10-15-20-40-50-100-100&gt;

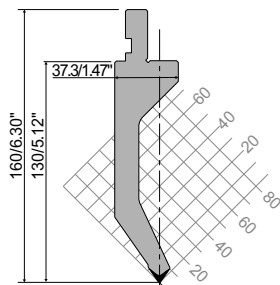
in: &lt;3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94&gt;



## P.160.70.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 18 kg   |    |
| 415 mm | 16.34" | 8.9 kg  |    |
| 795 mm | 31.29" | 17.0 kg | FX |
| 805 mm | 31.69" | 17.3 kg | F  |

70° &gt;



## P.160.70.R3

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 18 kg   |    |
| 415 mm | 16.34" | 8.9 kg  |    |
| 795 mm | 31.29" | 17.0 kg | FX |
| 805 mm | 31.69" | 17.3 kg | F  |

42Cr: 900-1150 N/mm<sup>2</sup>  
450 kN/m max.  
Bigorne 1

70°

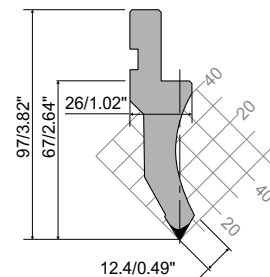
W=130 | H=160 | R=0.8 mm  
W=5.12 | H=6.30 | R=0.031 in



## P.97.60.R08

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 9.0 kg |    |
| 415 mm | 16.34" | 4.5 kg |    |
| 795 mm | 31.29" | 8.5 kg | FX |
| 805 mm | 31.69" | 8.7 kg | F  |

60° &gt;



## P.97.60.R2

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 9.0 kg |    |
| 415 mm | 16.34" | 4.5 kg |    |
| 795 mm | 31.29" | 8.5 kg | FX |
| 805 mm | 31.69" | 8.7 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
600 kN/m max.  
Bigorne 1

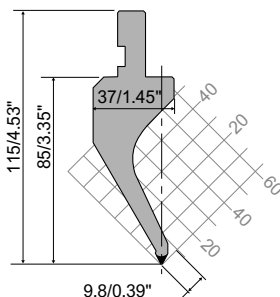
60°

W=67 | H=97 | R=0.8 mm  
W=2.64 | H=3.82 | R=0.079 in



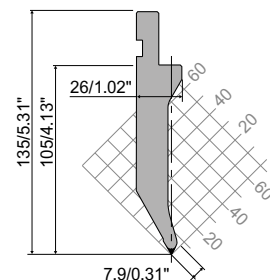
## P.115.60.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 11.9 kg |    |
| 415 mm | 16.34" | 5.9 kg  |    |
| 795 mm | 31.29" | 10.3 kg | FX |
| 805 mm | 31.69" | 10.4 kg | F  |



## P.135.60.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 14.0 kg |    |
| 415 mm | 16.34" | 6.9 kg  |    |
| 795 mm | 31.29" | 13.3 kg | FX |
| 805 mm | 31.69" | 13.5 kg | F  |



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>  
in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>



F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>  
in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>



## PG.135.60.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.5 kg |    |
| 415 mm | 16.34" | 8.2 kg  |    |
| 795 mm | 31.29" | 15.7 kg | FX |
| 805 mm | 31.69" | 15.9 kg | F  |

42Cr: 900-1150 N/mm<sup>2</sup>

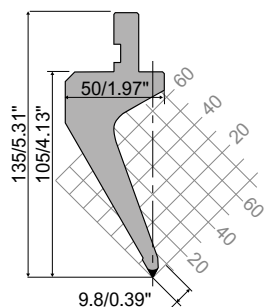
700 kN/m max.

Bigorne 1

60°

W=105 | H=135 | R=0.8 mm

W=4.13 | H=5.31 | R=0.031 in



## P.145.60.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 15.1 kg |    |
| 415 mm | 16.34" | 7.5 kg  |    |
| 795 mm | 31.29" | 14.3 kg | FX |
| 805 mm | 31.69" | 14.5 kg | F  |

42Cr: 900-1150 N/mm<sup>2</sup>

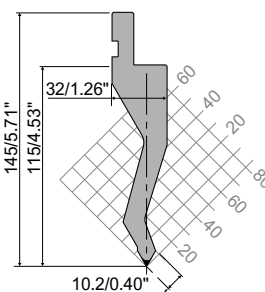
700 kN/m max.

Bigorne 1

60°

W=115.0 | H=145.0 | R=0.8 mm

W=4.53 | H=5.71 | R=0.031 in



## P.190.60.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 27.0 kg |    |
| 415 mm | 16.34" | 13.5 kg |    |
| 795 mm | 31.29" | 26.0 kg | FX |
| 805 mm | 31.69" | 26.1 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

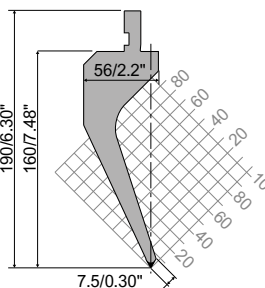
400 kN/m max.

Bigorne 1

60°

W=160 | H=190 | R=0.8 mm

W=7.48 | H=6.30 | R=0.031 in



## P.95.45.R08

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 9.3 kg |    |
| 415 mm | 16.34" | 4.6 kg |    |
| 795 mm | 31.29" | 8.9 kg | FX |
| 805 mm | 31.69" | 9.0 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

800 kN/m max.

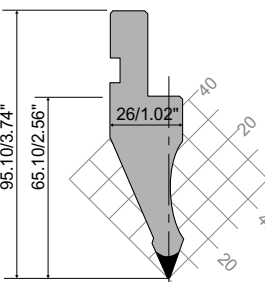
Bigorne 1

45°

W=65.10 | H=95.10 | R=0.8 mm

W=2.56 | H=3.74 | R=0.031 in

45° &gt;



## P.95.45.R15

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 9.3 kg |    |
| 415 mm | 16.34" | 4.6 kg |    |
| 795 mm | 31.29" | 8.9 kg | FX |
| 805 mm | 31.69" | 9.0 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

800 kN/m max.

Bigorne 1

45°

W=65.10 | H=95.10 | R=1.5 mm

W=2.56 | H=3.74 | R=0.059 in



FX: 795 mm - 31.29"

mm: &lt;100-250-20-25-30-35-40-45-50-100-100&gt;

in: &lt;3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94&gt;



F: 805 mm - 31.69"

mm: &lt;100-370-10-15-20-40-50-100-100&gt;

in: &lt;3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94&gt;

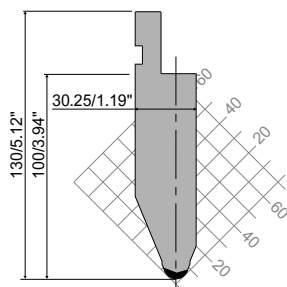


**P.130.45.R6**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 19.5 kg |    |
| 415 mm | 16.34" | 9.6 kg  |    |
| 795 mm | 31.29" | 18.6 kg | FX |
| 805 mm | 31.69" | 18.8 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.  
Bigorne 1

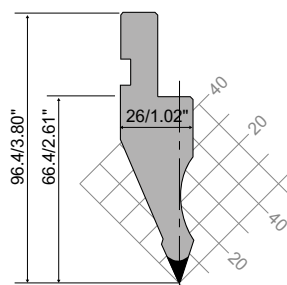
45°  
W=100 | H=130 | R=6 mm  
W=3.94 | H=5.12 | R=0.24 in

**P.97.45.R05**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 10.2 kg |    |
| 415 mm | 16.34" | 5.1 kg  |    |
| 795 mm | 31.29" | 9.7 kg  | FX |
| 805 mm | 31.69" | 9.8 kg  | F  |
| 900 mm | 35.43" | 10.9 kg |    |

C45: 560-710 N/mm<sup>2</sup>  
800 kN/m max.  
Bigorne 1

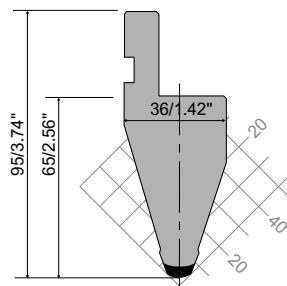
45°  
W=66.4 | H=96.4 | R=0.5 mm  
W=2.61 | H=3.80 | R=0.020 in

**P.95.35.R5**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 12.8 kg |    |
| 415 mm | 16.34" | 6.3 kg  |    |
| 795 mm | 31.29" | 12.2 kg | FX |
| 805 mm | 31.69" | 12.3 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.  
Bigorne 1

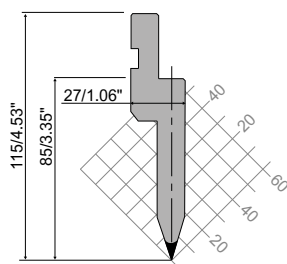
35°  
W=65 | H=95 | R=5 mm  
W=2.56 | H=3.74 | R=0.20 in

**PU.85.35.R08**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 11 kg   |    |
| 415 mm | 16.34" | 5.5 kg  |    |
| 795 mm | 31.29" | 10.5 kg | FX |
| 805 mm | 31.69" | 10.6 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.  
Bigorne 1

35°  
W=85 | H=115 | R=0.8 mm  
W=3.35 | H=4.53 | R=0.031 in



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>  
in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>



F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>  
in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>





### P.116.35.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 10.7 kg |    |
| 415 mm | 16.34" | 5.3 kg  |    |
| 795 mm | 31.29" | 10.2 kg | FX |
| 805 mm | 31.69" | 10.3 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

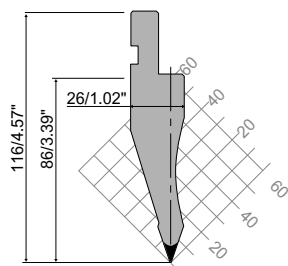
700 kN/m max.

Bigorne 1

35°

W=86 | H=116 | R=0.8 mm

W=3.39 | H=4.57 | R=0.031 in



### P.116.35.R15

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 10.7 kg |    |
| 415 mm | 16.34" | 5.3 kg  |    |
| 795 mm | 31.29" | 10.2 kg | FX |
| 805 mm | 31.69" | 10.3 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

700 kN/m max.

Bigorne 1

35°

W=86 | H=116 | R=1.5 mm

W=3.39 | H=4.57 | R=0.059 in



### P.120.35.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 12.3 kg |    |
| 415 mm | 16.34" | 6.1 kg  |    |
| 795 mm | 31.29" | 11.7 kg | FX |
| 805 mm | 31.69" | 11.9 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

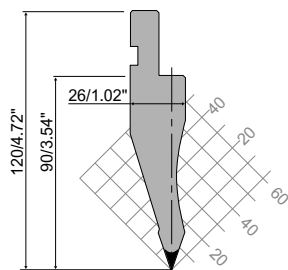
700 kN/m max.

Bigorne 1

35°

W=90 | H=120 | R=0.8 mm

W=3.54 | H=4.72 | R=0.031 in



### P.120.35.R15

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 12.3 kg |    |
| 415 mm | 16.34" | 6.1 kg  |    |
| 795 mm | 31.29" | 11.7 kg | FX |
| 805 mm | 31.69" | 11.9 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

700 kN/m max.

Bigorne 1

35°

W=90 | H=120 | R=1.5 mm

W=3.54 | H=4.72 | R=0.059 in



### P.120.35.R3

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 12.3 kg |    |
| 415 mm | 16.34" | 6.1 kg  |    |
| 795 mm | 31.29" | 11.7 kg | FX |
| 805 mm | 31.69" | 11.9 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

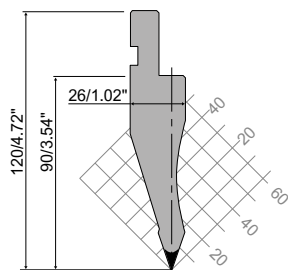
700 kN/m max.

Bigorne 1

35°

W=90 | H=120 | R=3 mm

W=3.54 | H=4.72 | R=0.018 in



### PS.134.30.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.3 kg |    |
| 415 mm | 16.34" | 6.6 kg  |    |
| 795 mm | 31.29" | 12.7 kg | FX |
| 805 mm | 31.69" | 12.8 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

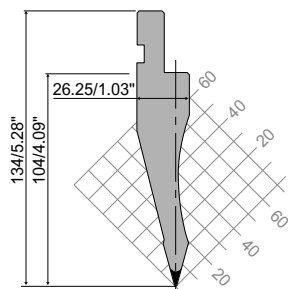
700 kN/m max.

Bigorne 1

30°

W=104 | H=134 | R=0.8 mm

W=4.09 | H=5.28 | R=0.031 in



30° &gt;

FX: 795 mm - 31.29"

mm: &lt;100-250-20-25-30-35-40-45-50-100-100&gt;

in: &lt;3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94&gt;

F: 805 mm - 31.69"

mm: &lt;100-370-10-15-20-40-50-100-100&gt;

in: &lt;3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94&gt;



### P.110.30.R06

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 10.5 kg |    |
| 415 mm | 16.34" | 5.2 kg  |    |
| 795 mm | 31.29" | 10.0 kg | FX |
| 805 mm | 31.69" | 10.1 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

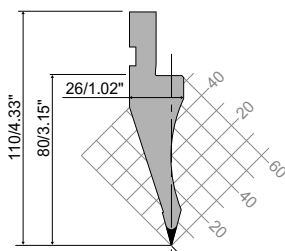
450 kN/m max.

Bigorne 1

30°

W=80 | H=110 | R=0.6 mm

W=3.15 | H=4.33 | R=0.024 in



### P.147.26.R08

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 9.9 kg |    |
| 415 mm | 16.34" | 4.9 kg |    |
| 795 mm | 31.29" | 9.4 kg | FX |
| 805 mm | 31.69" | 9.6 kg | F  |

42Cr: 900-1150 N/mm<sup>2</sup>

500 kN/m max.

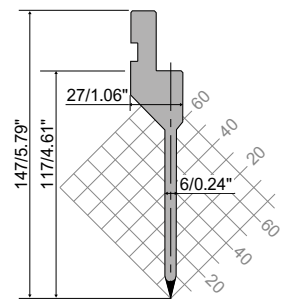
Bigorne 1

26°

W=117 | H=147 | R=0.8 mm

W=4.61 | H=5.79 | R=0.031 in

26° &gt;



### PU.117.26.R08

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.6 kg |    |
| 415 mm | 16.34" | 6.7 kg  |    |
| 795 mm | 31.29" | 12.9 kg | FX |
| 805 mm | 31.69" | 13.1 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

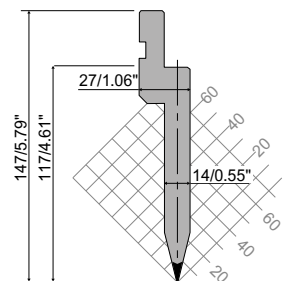
1000 kN/m max.

Bigorne 1

26°

W=117.0 | H=147.0 | R=0.8 mm

W=4.61 | H=5.79 | R=0.031 in



### PU.117.26.R3

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.6 kg |    |
| 415 mm | 16.34" | 6.7 kg  |    |
| 795 mm | 31.29" | 12.9 kg | FX |
| 805 mm | 31.69" | 13.1 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

Bigorne 1

26°

W=117.0 | H=147.0 | R=3 mm

W=4.61 | H=5.79 | R=0.118 in

### PU.150.26.R08.L

|        |        |         |    |
|--------|--------|---------|----|
| 900 mm | 35.43" | 15.2 kg |    |
| 415 mm | 16.34" | 7.0 kg  |    |
| 795 mm | 31.29" | 13.4 kg | FX |
| 805 mm | 31.69" | 13.6 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

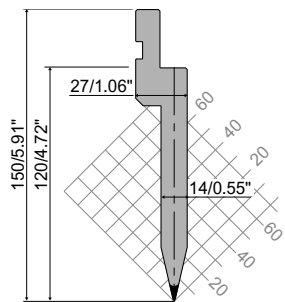
1000 kN/m max.

Bigorne 1

26°

W=120 | H=150 | R=0.8 mm

W=4.72 | H=5.91 | R=0.031 in



FX: 795 mm - 31.29"

mm: &lt;100-250-20-25-30-35-40-45-50-100-100&gt;

in: &lt;3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94&gt;

F: 805 mm - 31.69"

mm: &lt;100-370-10-15-20-40-50-100-100&gt;

in: &lt;3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94&gt;



## SCA.M.90.R08

Chaque 3.5 kg

C45: 560-710 N/mm<sup>2</sup>  
150 kN/m max.

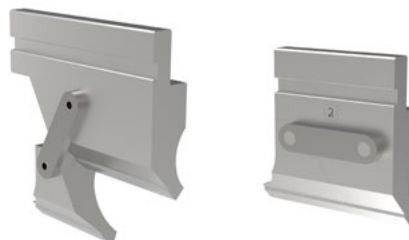
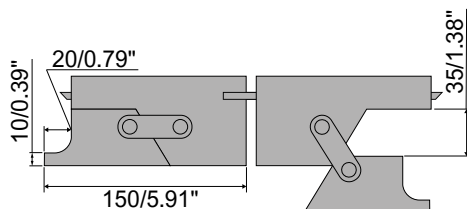
90° >



90°

H=66.35 | R=0.8 mm  
H=2.61 | R=0.031 in

Une paire avec bigorne  
G/D compatible avec  
PK.97.90.R08



## SCA.M.90.R025

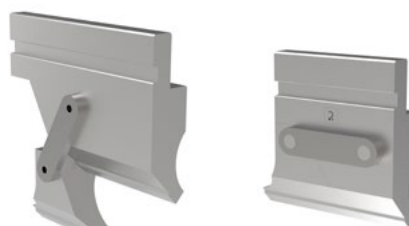
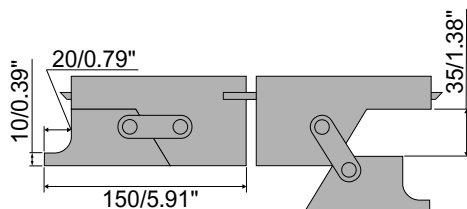
Chaque 3.5 kg

C45: 560-710 N/mm<sup>2</sup>  
150 kN/m max.

90°

H=66.60 | R=0.25 mm  
H=2.62 | R=0.010 in

Une paire avec bigorne  
G/D compatible avec  
PK.97.90.R025



## SCA.M.88.R08

Chaque 3.5 kg

C45: 560-710 N/mm<sup>2</sup>  
150 kN/m max.

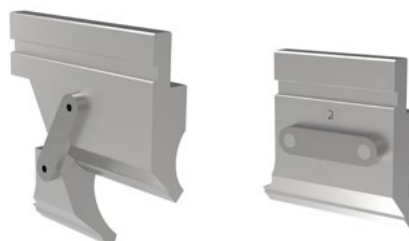
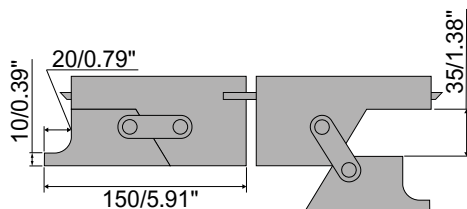
88° >



88°

H=66.65 | R=0.8 mm  
H=2.62 | R=0.031 in

Une paire avec bigorne  
G/D compatible avec  
P.97.88.R08



## SCA.M.88.R025

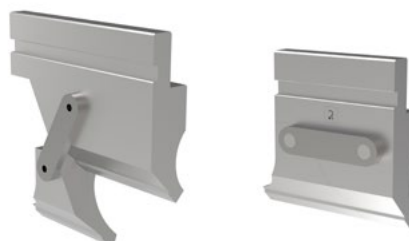
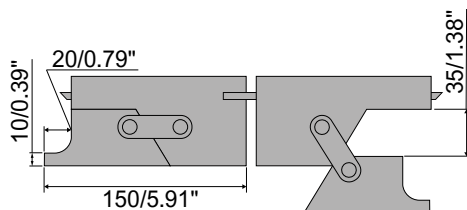
Chaque 3.5 kg

C45: 560-710 N/mm<sup>2</sup>  
150 kN/m max.

88°

H=66.60 | R=0.25 mm  
H=2.62 | R=0.010 in

Une paire avec bigorne  
G/D compatible avec  
PK.97.88.R025



Contrairement aux bigornes fixes, les bigornes rétractables sont munies d'un dispositif qui donne un mouvement d'oscillation à la partie la plus extrême du poinçon, réduisant sa longueur de manière dynamique. Pendant la phase de pliage, il n'est pas nécessaire de faire tourner le panneau plié pour l'extraction de l'outil, ce qui réduit le temps nécessaire de production.

Elles peuvent être produites pour les références suivantes:

| 88°          | 85°            | 70°          | 60°            | 26°            |
|--------------|----------------|--------------|----------------|----------------|
| P97.88.R06   | TOP.175.85.R08 | P.160.70.R08 | P.135.60.R08   | PU.117.26.R08  |
| P97.88.R08   | TOP.205.85.R08 |              | P.145.60.R08   | TOP.205.26.R08 |
| P.130.88.R08 |                |              | TOP.175.60.R08 | TOP.175.26.R08 |
| P.150.88.R08 |                |              |                |                |

## SPE.11

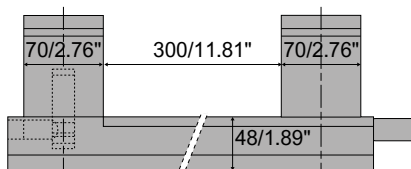
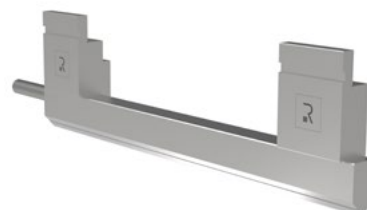
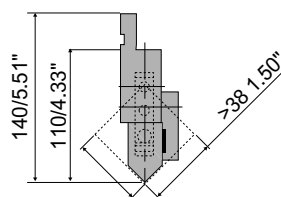
7.0 kg

42Cr: 900-1150 N/mm<sup>2</sup>  
150 kN/m max.

88°

W=110 | H=140 | R=0.8 mm

W=4.33 | H=5.51 | R=0.031 in

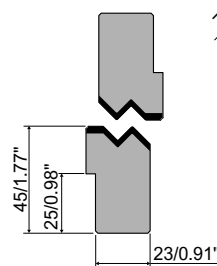
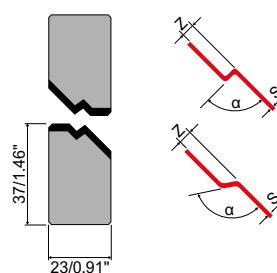


## INSERTS

|            | Z   | Z    | α    | Épaisseur ! |      | 835 mm   | 415 mm   |      |
|------------|-----|------|------|-------------|------|----------|----------|------|
|            | mm  | in   |      | mm          | in   | 32.87 in | 16.34 in |      |
| CEZ 1.0    | 1   | 0.04 | 160° | 1.2         | 0.05 | 11 kg    | 5.5 kg   | 160° |
| CEZ 1.5    | 1.5 | 0.06 | 160° | 1.5         | 0.06 | 11 kg    | 5.5 kg   |      |
| CEZ 2.0    | 2   | 0.08 | 150° | 1.4         | 0.06 | 11 kg    | 5.5 kg   |      |
| CEZ 2.5    | 2.5 | 0.10 | 140° | 1.3         | 0.05 | 11 kg    | 5.5 kg   | 140° |
| CEZ 1.0/90 | 1   | 0.04 | 90°  | 0.3         | 0.01 | 11 kg    | 5.5 kg   | 90°  |
| CEZ 1.5/90 | 1.5 | 0.06 | 90°  | 0.3         | 0.01 | 11 kg    | 5.5 kg   |      |
| CEZ 2.0/90 | 2   | 0.08 | 90°  | 0.4         | 0.02 | 11 kg    | 5.5 kg   |      |
| CEZ 2.5/90 | 2.5 | 0.10 | 90°  | 0.5         | 0.02 | 11 kg    | 5.5 kg   |      |
| CEZ 3.0    | 3   | 0.12 | 90°  | 1.0         | 0.04 | 10.3 kg  | 5.1 kg   |      |
| CEZ 3.5    | 3.5 | 0.14 | 90°  | 1.0         | 0.04 | 10 kg    | 5 kg     |      |
| CEZ 4.0    | 4   | 0.16 | 90°  | 1.2         | 0.05 | 10 kg    | 5 kg     |      |
| CEZ 4.5    | 4.5 | 0.18 | 90°  | 1.2         | 0.05 | 10 kg    | 5 kg     |      |
| CEZ 5.0    | 5   | 0.20 | 90°  | 1.3         | 0.05 | 10 kg    | 5 kg     |      |
| CEZ 5.5    | 5.5 | 0.22 | 90°  | 1.4         | 0.06 | 10 kg    | 5 kg     |      |
| CEZ 6.0    | 6   | 0.24 | 90°  | 1.5         | 0.06 | 10 kg    | 5 kg     |      |
| CEZ 6.5    | 6.5 | 0.26 | 90°  | 1.5         | 0.06 | 10 kg    | 5 kg     |      |
| CEZ 7.0    | 7   | 0.28 | 90°  | 1.5         | 0.06 | 10 kg    | 5 kg     |      |
| CEZ 7.5    | 7.5 | 0.30 | 90°  | 1.6         | 0.06 | 10 kg    | 5 kg     |      |
| CEZ 8.0    | 8   | 0.31 | 90°  | 1.6         | 0.06 | 10 kg    | 5 kg     |      |
| CEZ 9.0    | 9   | 0.35 | 90°  | 1.8         | 0.07 | 13.5 kg  | 6.5 kg   | 90°  |
| CEZ 10.0   | 10  | 0.39 | 90°  | 1.8         | 0.07 | 13.5 kg  | 5 kg     |      |
| CEZ 11.0   | 11  | 0.43 | 90°  | 2           | 0.08 | 13.5 kg  | 5 kg     |      |
| CEZ 12.0   | 12  | 0.47 | 90°  | 2           | 0.08 | 13.5 kg  | 5 kg     |      |
| CEZ 13.0   | 13  | 0.51 | 90°  | 2           | 0.08 | 13.5 kg  | 5 kg     |      |
| CEZ 14.0   | 14  | 0.55 | 90°  | 2           | 0.08 | 13.5 kg  | 5 kg     |      |
| CEZ 15.0   | 15  | 0.59 | 90°  | 2.3         | 0.09 | 13.5 kg  | 5 kg     |      |

C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.



! Le soyage « Z » et les angles de référence sont à considérer pour de la tôle Fe 420N/mm<sup>2</sup>.

Pour des matériaux différents, veuillez contacter notre service technique [tecnico@rolleri.it](mailto:tecnico@rolleri.it)

Le système effectue deux plis en même temps de manière à ce que la réalisation de la pièce soit extrêmement rapide car il n'est pas nécessaire de retourner la tôle.

De plus, avec un seul support CPZ, au moins 15 plis peuvent être réalisés en ne changeant que les inserts et la taille du Z est garantie.

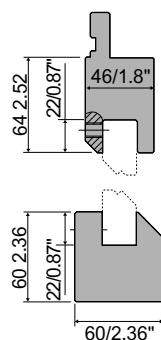


Demandez les catalogues d'outils de poinçonneuses numériques et universelles (iron worker), des consommables laser, des outils pour panneauteuses et des lames de cisaille sur [www.rollerifrance.fr/catalogues](http://www.rollerifrance.fr/catalogues)

## CPZ

835 mm 32.87" 37.5 kg  
415 mm 16.34" 18.7 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

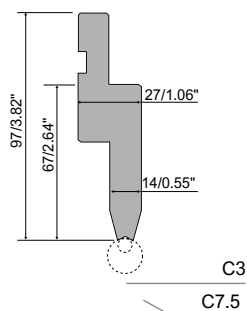


## PU.67.14-S

830 mm 32.68" 9.7 kg  
410 mm 16.14" 5 kg

C45: 560-710 N/mm<sup>2</sup>  
400 kN/m max.

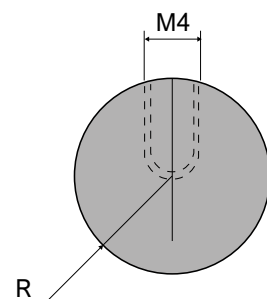
W=67 | H=97 mm  
W=2.64 | H=3.82 in



## C3 - C7.5

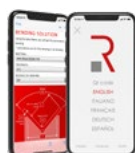
|             | R   | R    | 835 mm   | 415 mm   |
|-------------|-----|------|----------|----------|
|             | mm  | in   | 32.87 in | 16.34 in |
| <b>C3</b>   | 3.0 | 0.12 | 0.20 kg  | 0.10 kg  |
| <b>C3.5</b> | 3.5 | 0.14 | 0.20 kg  | 0.10 kg  |
| <b>C4</b>   | 4.0 | 0.16 | 0.35 kg  | 0.17 kg  |
| <b>C4.5</b> | 4.5 | 0.18 | 0.50 kg  | 0.25 kg  |
| <b>C5</b>   | 5.0 | 0.20 | 0.60 kg  | 0.30 kg  |
| <b>C5.5</b> | 5.5 | 0.22 | 0.70 kg  | 0.35 kg  |
| <b>C6</b>   | 6.0 | 0.24 | 0.80 kg  | 0.40 kg  |
| <b>C6.5</b> | 6.5 | 0.26 | 1.00 kg  | 0.50 kg  |
| <b>C7</b>   | 7.0 | 0.28 | 0.80 kg  | 0.40 kg  |
| <b>C7.5</b> | 7.5 | 0.30 | 1.00 kg  | 0.50 kg  |

C45: 560-710 N/mm<sup>2</sup>  
400 kN/m max.



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Vous pouvez utiliser le site web pour vérifier les délais de livraison, demander des devis, rester informé sur l'actualité, vérifier les prix et passer vos commandes directement en ligne.



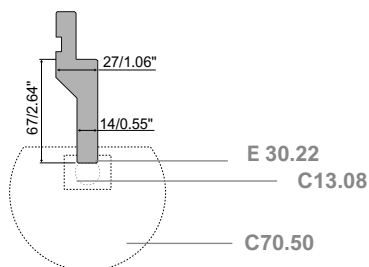
Télécharger l'application de pliage Roller

En plus de nombreux contenus intéressants, l'application gratuite contient l'outil de calcul du développement de la tôle et l'abaque de pliage.

**PU.67.14**

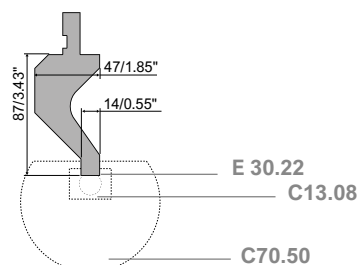
830 mm 32.68" 9 kg  
410 mm 16.14" 5 kg

C45: 560-710 N/mm<sup>2</sup>  
800 kN/m max.

**PU.87.14**

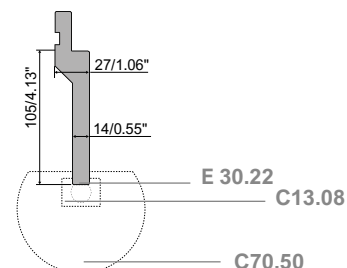
830 mm 32.68" 9 kg  
412 mm 16.22" 4.5 kg

42Cr: 900-1150 N/mm<sup>2</sup>  
500 kN/m max.

**PU.105.14**

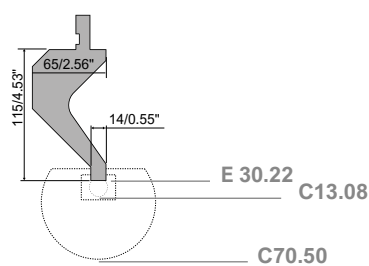
830 mm 32.68" 12 kg  
412 mm 16.22" 6 kg

C45: 560-710 N/mm<sup>2</sup>  
800 kN/m max.

**PU.115.14**

830 mm 32.68" 26 kg  
412 mm 16.22" 13 kg

C45: 560-710 N/mm<sup>2</sup>  
500 kN/m max.

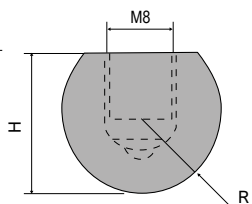


Avec un seul type de support, vous pouvez changer différents éléments rayonnés. De plus, pour les séries PU67.14 et PU105.14, vous pouvez utiliser l'élément carré E30.22 pour les plis écrasés avec des épaisseurs importantes. Le système de pliage avec les éléments rayonnés garantit également une meilleure qualité esthétique du rayon pour une plus grande régularité de la forme. Les systèmes PU (supports) et C (éléments

rayonnés) ont été créés pour assurer une flexibilité d'application maximale avec une très large gamme d'éléments rayonnés standard et pour des besoins particuliers, le même concept peut être utilisé pour des éléments spéciaux avec des formes U, Omega, etc. Le système a été conçu pour être flexible et surtout simple dans son utilisation et pour le remplacement des différents éléments.

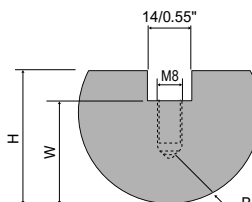
## OUTILS À RAYONNER Ø 16 - 20

|        | R  | R    | H  | H    | A  | A  | 835 mm   | 415 mm   |
|--------|----|------|----|------|----|----|----------|----------|
|        | mm | in   | mm | in   | mm | in | 32.87 in | 16.34 in |
| C13.08 | 8  | 0.31 | 13 | 0.51 | -  | -  | 2.0 kg   | 1.0 kg   |
| C13.09 | 9  | 0.35 | 16 | 0.63 | -  | -  | 2.0 kg   | 1.0 kg   |
| C16.10 | 10 | 0.39 | 16 | 0.63 | -  | -  | 2.0 kg   | 1.0 kg   |



## OUTILS À RAYONNER Ø 25 - 100

|        | R    | R    | W  | W    | H  | H    | 835 mm   | 415 mm   |
|--------|------|------|----|------|----|------|----------|----------|
|        | mm   | in   | mm | in   | mm | in   | 32.87 in | 16.34 in |
| C17.12 | 12.5 | 0.49 | 17 | 0.67 | 22 | 0.87 | 2.5 kg   | 1.2 kg   |
| C20.15 | 15   | 0.59 | 20 | 0.79 | 27 | 1.06 | 3.7 kg   | 1.8 kg   |
| C22.17 | 17.5 | 0.69 | 22 | 0.87 | 32 | 1.26 | 5.0 kg   | 2.4 kg   |
| C24.20 | 20   | 0.79 | 24 | 0.94 | 34 | 1.33 | 7.0 kg   | 3.5 kg   |
| C25.22 | 22.5 | 0.89 | 25 | 0.98 | 35 | 1.38 | 7.5 kg   | 3.8 kg   |
| C29.25 | 25   | 0.98 | 29 | 1.14 | 39 | 1.53 | 10.0 kg  | 4.7 kg   |
| C34.27 | 27.5 | 1.08 | 34 | 1.33 | 44 | 1.73 | 12.4 kg  | 6.2 kg   |
| C34.30 | 30   | 1.18 | 34 | 1.33 | 44 | 1.73 | 13.5 kg  | 6.7 kg   |
| C37.32 | 32.5 | 1.28 | 37 | 1.46 | 47 | 1.85 | 15.9 kg  | 7.9 kg   |
| C45.35 | 35   | 1.38 | 45 | 1.77 | 55 | 2.16 | 20.3 kg  | 10.0 kg  |
| C42.37 | 37.5 | 1.48 | 42 | 1.65 | 52 | 2.04 | 20.5 kg  | 10.3 kg  |
| C45.40 | 40   | 1.57 | 45 | 1.77 | 55 | 2.16 | 23.0 kg  | 11.5 kg  |
| C60.45 | 22.5 | 0.89 | 60 | 2.36 | 70 | 2.75 | 34.0 kg  | 17.0 kg  |
| C70.50 | 50   | 1.97 | 70 | 2.75 | 80 | 3.15 | 43.5 kg  | 21.7 kg  |

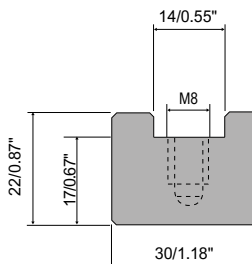


## Outil à écraser

## E30.22

|        |        |        |
|--------|--------|--------|
| 830 mm | 32.68" | 3.5 kg |
| 412 mm | 16.22" | 1.7 kg |

C45: 560-710 N/mm<sup>2</sup>  
800 kN/m max.



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Vous pouvez utiliser le site web pour vérifier les délais de livraison, demander des devis, rester informé sur l'actualité, vérifier les prix et passer vos commandes directement en ligne.



L'objectif du **manuel de pliage** est de fournir des éléments concrets et utiles pour arriver plus rapidement au résultat final. De multiples exemples, des formules simples et de nombreuses informations qui expliquent l'approche correcte du pliage.

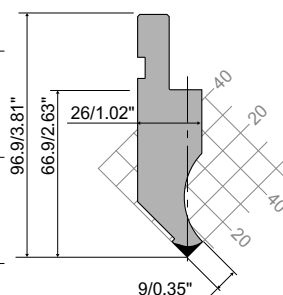
**00402**

835 mm 32.87" 11 kg  
 415 mm 16.34" 5.5 kg  
 795 mm 31.29" 10.5 kg FX  
 835 mm 32.87" 11 kg FCA

C45: 560-710 N/mm<sup>2</sup>  
 1000 kN/m max.  
 Bigorne 3

88°  
 W=66.9 | H=96.9 | R=0.2 mm  
 W=2.63 | H=3.81 | R=0.008 in

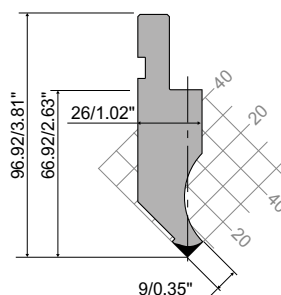
88-90° >


**01602**

835 mm 32.87" 11 kg  
 415 mm 16.34" 5.5 kg  
 795 mm 31.29" 10.5 kg FX  
 835 mm 32.87" 11 kg FCA

C45: 560-710 N/mm<sup>2</sup>  
 1000 kN/m max.  
 Bigorne 3

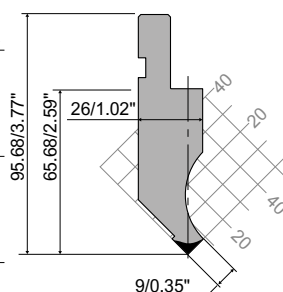
90°  
 W=66.92 | H=96.92 | R=0.2 mm  
 W=2.63 | H=3.81 | R=0.118 in


**00430**

835 mm 32.87" 11 kg  
 415 mm 16.34" 5.5 kg  
 795 mm 31.29" 10.5 kg FX  
 835 mm 32.87" 11 kg FCA

C45: 560-710 N/mm<sup>2</sup>  
 1000 kN/m max.  
 Bigorne 3

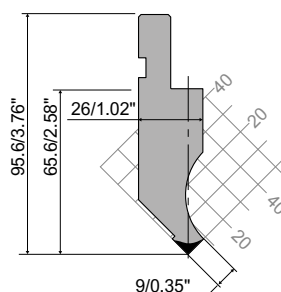
88°  
 W=65.68 | H=95.68 | R=3 mm  
 W=2.59 | H=3.77 | R=0.118 in


**01630**

835 mm 32.87" 11 kg  
 415 mm 16.34" 5.5 kg  
 795 mm 31.29" 10.5 kg FX  
 835 mm 32.87" 11 kg FCA

C45: 560-710 N/mm<sup>2</sup>  
 1000 kN/m max.  
 Bigorne 3

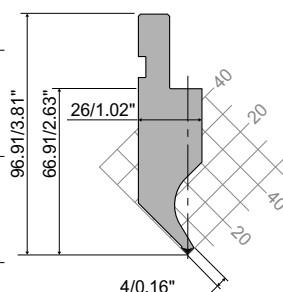
90°  
 W=65.6 | H=95.6 | R=3 mm  
 W=2.58 | H=3.76 | R=0.118 in


**11700**

835 mm 32.87" 10.7 kg  
 415 mm 16.34" 5.3 kg  
 795 mm 31.29" 10.3 kg FX  
 800 mm 32.87" 10.3 kg FC

42Cr: 900-1150 N/mm<sup>2</sup>  
 200 kN/m max.  
 Bigorne 7

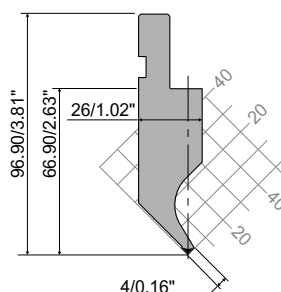
88°  
 W=66.91 | H=96.91 | R=0.2 mm  
 W=2.63 | H=3.81 | R=0.008 in


**11600**

835 mm 32.87" 11 kg  
 415 mm 16.34" 5.5 kg  
 795 mm 31.29" 10.1 kg FX  
 800 mm 32.87" 11 kg FC

42Cr: 900-1150 N/mm<sup>2</sup>  
 200 kN/m max.  
 Bigorne 7

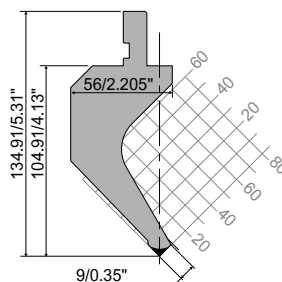
90°  
 W=66.90 | H=96.90 | R=0.2 mm  
 W=2.63 | H=3.81 | R=0.008 in


**04502**

835 mm 32.87" 22.0 kg  
 415 mm 16.34" 10.9 kg  
 795 mm 31.29" 22.0 kg FX  
 835 mm 32.87" 22.0 kg FCA

42Cr: 900-1150 N/mm<sup>2</sup>  
 500 kN/m max.  
 Bigorne 3

88°  
 W=104.91 | H=134.91 | R=0.2 mm  
 W=4.13 | H=5.31 | R=0.008 in


**04600**

835 mm 32.87" 22.0 kg  
 415 mm 16.34" 11.0 kg  
 795 mm 31.29" 21.0 kg FX  
 835 mm 32.87" 22.0 kg FCA

42Cr: 900-1150 N/mm<sup>2</sup>  
 500 kN/m max.  
 Bigorne 3

90°  
 W=104.91 | H=134.9 | R=0.2 mm  
 W=4.13 | H=5.31 | R=0.008 in

FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

FCA: 835 mm - 32.87"

mm: <100-10-15-20-40-50-200-300-100>

in: <3.94-0.39-0.59-0.78-1.57-7.87-11.81-3.94>

FC: 800 mm - 31.50"

mm: <100-10-15-20-40-50-165-300-100>

in: <3.94-0.39-0.59-0.78-1.57-1.97-6.49-11.81-3.94>





## 45202

|        |        |             |
|--------|--------|-------------|
| 835 mm | 32.87" | 19.6 kg     |
| 415 mm | 16.34" | 9.7 kg      |
| 795 mm | 31.29" | 18.9 kg FX  |
| 835 mm | 32.87" | 19.6 kg FCA |

42Cr: 900-1150 N/mm<sup>2</sup>

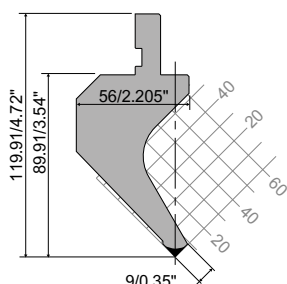
700 kN/m max.

Bigorne 3

88°

W=89.91 | H=119.91 | R=0.2 mm

W=3.54 | H=4.72 | R=0.008 in



## 46200

|        |        |             |
|--------|--------|-------------|
| 835 mm | 32.87" | 19.6 kg     |
| 415 mm | 16.34" | 9.8 kg      |
| 795 mm | 31.29" | 18.7 kg FX  |
| 835 mm | 32.87" | 19.6 kg FCA |

42Cr: 900-1150 N/mm<sup>2</sup>

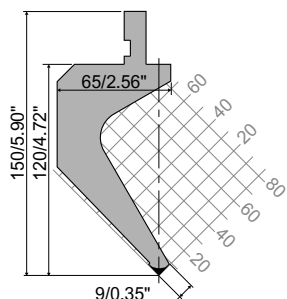
700 kN/m max.

Bigorne 3

90°

W=89.91 | H=119.91 | R=0.2 mm

W=3.54 | H=4.72 | R=0.008 in



## 04702

|        |        |             |
|--------|--------|-------------|
| 835 mm | 32.87" | 25.8 kg     |
| 415 mm | 16.34" | 12.9 kg     |
| 795 mm | 31.29" | 24.6 kg FX  |
| 835 mm | 32.87" | 25.8 kg FCA |

42Cr: 900-1150 N/mm<sup>2</sup>

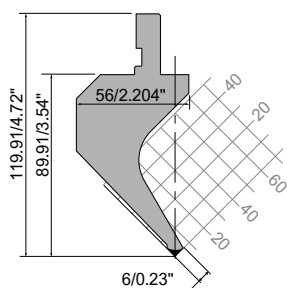
500 kN/m max.

Bigorne 3

88°

W=120 | H=150 | R=0.2 mm

W=4.72 | H=5.90 in | R=0.008 in



## 04800

|        |        |             |
|--------|--------|-------------|
| 835 mm | 32.87" | 25.8 kg     |
| 415 mm | 16.34" | 12.9 kg     |
| 795 mm | 31.29" | 24.6 kg FX  |
| 835 mm | 32.87" | 25.8 kg FCA |

42Cr: 900-1150 N/mm<sup>2</sup>

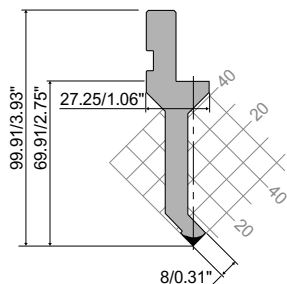
500 kN/m max.

Bigorne 3

90°

W=120 | H=150 | R=0.2 mm

W=4.72 | H=5.90 in | R=0.008 in



## 46300

|        |        |             |
|--------|--------|-------------|
| 835 mm | 32.87" | 18.6 kg     |
| 415 mm | 16.34" | 9.3 kg      |
| 795 mm | 31.29" | 17.7 kg FX  |
| 835 mm | 32.87" | 18.6 kg FCA |

42Cr: 900-1150 N/mm<sup>2</sup>

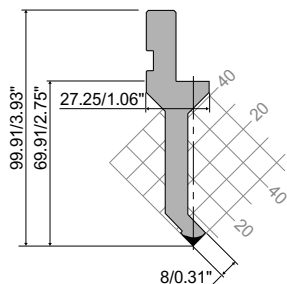
500 kN/m max.

Bigorne 7

90°

W=89.91 | H=119.91 | R=0.2 mm

W=3.54 | H=4.72 | R=0.008 in



## 20100

|        |        |           |
|--------|--------|-----------|
| 835 mm | 32.87" | 7.9 kg    |
| 415 mm | 16.34" | 3.9 kg    |
| 795 mm | 31.29" | 7.6 kg FX |
| 800 mm | 32.87" | 7.6 kg FC |

42Cr: 900-1150 N/mm<sup>2</sup>

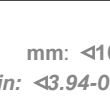
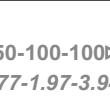
300 kN/m max.

Bigorne 4

90°

W=69.91 | H=99.91 | R=0.2 mm

W=2.75 | H=3.93 in | R=0.008 in



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

FCA: 835 mm - 32.87"

mm: <100-10-15-20-40-50-200-300-100>

in: <3.94-0.39-0.59-0.78-1.57-7.87-11.81-3.94>

FC: 800 mm - 31.50"

mm: <100-10-15-20-40-50-165-300-100>

in: <3.94-0.39-0.59-0.78-1.57-1.97-6.49-11.81-3.94>

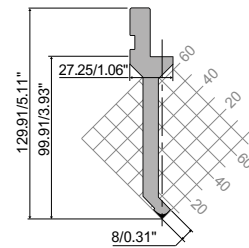


## 20200

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 10.0 kg |    |
| 415 mm | 16.34" | 5.0 kg  |    |
| 795 mm | 31.29" | 9.5 kg  | FX |
| 800 mm | 31.50" | 9.6 kg  | FC |

42Cr: 900-1150 N/mm<sup>2</sup>  
300 kN/m max.  
Bigorne 4

88°  
W=99.91 | H=129.91 | R=0.2 mm  
W=3.93 | H=5.11 | R=0.008 in



## 20300

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 10.0 kg |    |
| 415 mm | 16.34" | 5.0 kg  |    |
| 795 mm | 31.29" | 9.5 kg  | FX |
| 800 mm | 31.50" | 9.6 kg  | FC |

42Cr: 900-1150 N/mm<sup>2</sup>  
300 kN/m max.  
Bigorne 4

90°  
W=99.91 | H=129.91 | R=0.2 mm  
W=3.93 | H=5.11 | R=0.118 in

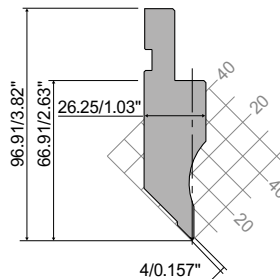


## 00480

|        |        |         |     |
|--------|--------|---------|-----|
| 835 mm | 32.87" | 11.0 kg |     |
| 415 mm | 16.34" | 5.5 kg  |     |
| 795 mm | 31.29" | 10.5 kg | FX  |
| 835 mm | 31.50" | 11.0 kg | FCA |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.  
Bigorne 3

88°  
W=66.91 | H=96.91 | R=0.2 mm  
W=2.63 | H=3.82 | R=0.008 in



## 01680

|        |        |         |     |
|--------|--------|---------|-----|
| 835 mm | 32.87" | 10.7 kg |     |
| 415 mm | 16.34" | 5.5 kg  |     |
| 795 mm | 31.29" | 10.2 kg | FX  |
| 835 mm | 31.50" | 10.7 kg | FCA |

C45: 560-710 N/mm<sup>2</sup>  
400 kN/m max.  
Bigorne 3

90°  
W=66.91 | H=96.91 | R=0.2 mm  
W=2.63 | H=3.82 | R=0.008 in

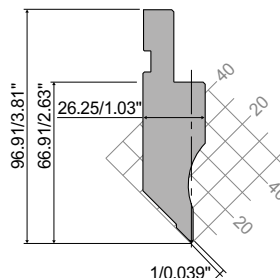


## 00490

|        |        |         |     |
|--------|--------|---------|-----|
| 835 mm | 32.87" | 11.0 kg |     |
| 415 mm | 16.34" | 5.5 kg  |     |
| 795 mm | 31.29" | 10.5 kg | FX  |
| 835 mm | 31.50" | 11.0 kg | FCA |

C45: 560-710 N/mm<sup>2</sup>  
800 kN/m max.  
Bigorne 3

88°  
W=66.91 | H=96.91 | R=0.2 mm  
W=2.63 | H=3.82 | R=0.008 in



## 01690

|        |        |         |     |
|--------|--------|---------|-----|
| 835 mm | 32.87" | 11.0 kg |     |
| 415 mm | 16.34" | 5.5 kg  |     |
| 795 mm | 31.29" | 10.5 kg | FX  |
| 835 mm | 31.50" | 11.0 kg | FCA |

C45: 560-710 N/mm<sup>2</sup>  
800 kN/m max.  
Bigorne 3

90°  
W=66.91 | H=96.91 | R=0.2 mm  
W=2.63 | H=3.82 | R=0.008 in

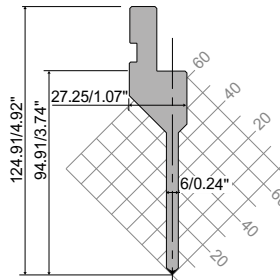


## 10900

|        |        |        |     |
|--------|--------|--------|-----|
| 835 mm | 32.87" | 9.0 kg |     |
| 415 mm | 16.34" | 4.5 kg |     |
| 795 mm | 31.29" | 8.5 kg | FX  |
| 835 mm | 31.50" | 9.0 kg | FCA |

42Cr: 900-1150 N/mm<sup>2</sup>  
500 kN/m max.  
Bigorne 4

88°  
W=94.91 | H=124.91 | R=0.2 mm  
W=3.74 | H=4.92 | R=0.008 in



## 10800

|        |        |         |     |
|--------|--------|---------|-----|
| 835 mm | 32.87" | 11.0 kg |     |
| 415 mm | 16.34" | 5.5 kg  |     |
| 795 mm | 31.29" | 8.5 kg  | FX  |
| 835 mm | 31.50" | 11.0 kg | FCA |

42Cr: 900-1150 N/mm<sup>2</sup>  
500 kN/m max.  
Bigorne 4

90°  
W=94.91 | H=124.91 | R=0.2 mm  
W=3.74 | H=4.92 | R=0.008 in



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

FCA: 835 mm - 32.87"

mm: <100-10-15-20-40-50-200-300-100>

in: <3.94-0.39-0.59-0.78-1.57-7.87-11.81-3.94>

FC: 800 mm - 31.50"

mm: <100-10-15-20-40-50-165-300-100>

in: <3.94-0.39-0.59-0.78-1.57-1.97-6.49-11.81-3.94>



## 10906

|        |        |        |     |
|--------|--------|--------|-----|
| 835 mm | 32.87" | 9.0 kg |     |
| 415 mm | 16.34" | 4.5 kg |     |
| 795 mm | 31.29" | 8.5 kg | FX  |
| 835 mm | 31.50" | 9.0 kg | FCA |

42Cr: 900-1150 N/mm<sup>2</sup>

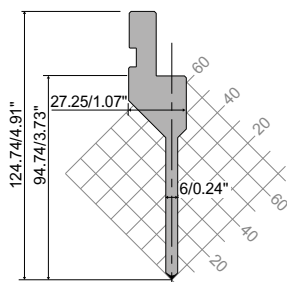
500 kN/m max.

Bigorne 4

88°

W=94.74 | H=124.74 | R=0.6 mm

W=3.73 | H=4.91 | R=0.024 in



## 00300

|        |        |         |     |
|--------|--------|---------|-----|
| 835 mm | 32.87" | 15.0 kg |     |
| 415 mm | 16.34" | 7.5 kg  |     |
| 795 mm | 31.29" | 14.4 kg | FX  |
| 835 mm | 31.50" | 15.0 kg | FCA |

C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

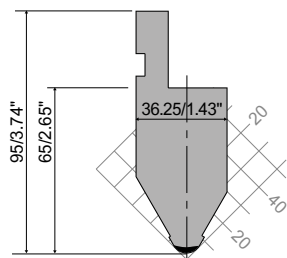
Bigorne 6

60°

W=65 | H=95 | R=0.6 mm

W=2.56 | H=3.74 in | R=0.002 in

60° >



## 00800

|        |        |        |     |
|--------|--------|--------|-----|
| 835 mm | 32.87" | 9.3 kg |     |
| 415 mm | 16.34" | 4.6 kg |     |
| 795 mm | 31.29" | 9.3 kg | FX  |
| 835 mm | 31.50" | 9.3 kg | FCA |

C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

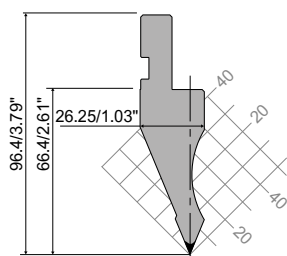
Bigorne 5

45°

W=66.4 | H=96.4 | R=0.37 mm

W=2.61 | H=3.79 | R=0.015 in

45° >



## 21000

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 15.3 kg |    |
| 415 mm | 16.34" | 7.6 kg  |    |
| 795 mm | 31.29" | 14.5 kg | FX |
| 800 mm | 31.50" | 14.6 kg | FC |

42Cr: 900-1150 N/mm<sup>2</sup>

1000 kN/m max.

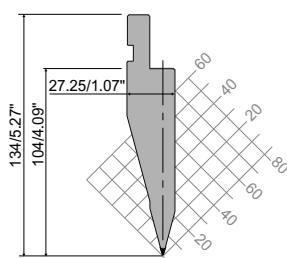
Bigorne 5

30°

W=104 | H=134 | R=0.65 mm

W=4.09 | H=5.27 | R=0.025 in

30° >



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>



FCA: 835 mm - 32.87"

mm: <100-10-15-20-40-50-200-300-100>

in: <3.94-0.39-0.59-0.78-1.57-7.87-11.81-3.94>

FC: 800 mm - 31.50"

mm: <100-10-15-20-40-50-165-300-100>

in: <3.94-0.39-0.59-0.78-1.57-1.97-6.49-11.81-3.94>

## 10300

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 11 kg   |    |
| 415 mm | 16.34" | 5.5 kg  |    |
| 795 mm | 31.29" | 10.4 kg | FX |
| 800 mm | 31.50" | 10.5 kg | FC |

42Cr: 900-1150 N/mm²

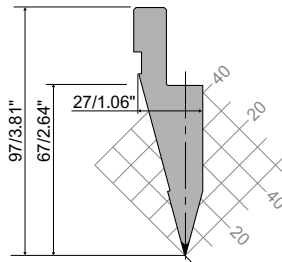
1000 kN/m max.

Bigorne 5

30°

W=67 | H=97 | R=0.52 mm

W=2.64 | H=3.81 | R=0.020 in



## Poinçons Série CFH

Rolleri propose des solutions avec hauteur fixe, compatibles avec le style européen, permettant d'agrandir la section dédiée au style Amada.

Une large gamme de formes est combinée à la hauteur fixe, assurant ainsi une plus grande flexibilité à votre presse plieuse.

Tous les outils sont fabriqués avec des aciers certifiés, puis trempés par induction sur la zone de travail jusqu'à un maximum de 60 HRC;

la tolérance d'alignement garantie est de 0,01 mm.

Rolleri offre les meilleures solutions grâce à 30 ans d'expérience dans plus de 65 pays à travers le monde et est en mesure de fournir des solutions personnalisées pour tout type de pliage ou d'application, garantissant une précision et une qualité maximales pour chaque outil.

Disponible sur demande:

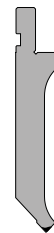
510 mm | 20.08"

200 mm | 7.87"

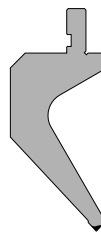
370 mm | 14.57" mm: 100-300-150-50-40-20-15-15-10-100  
in: 3.94-11.81-5.90-1.96-1.57-0.79-0.59-0.59-0.39-3.94

200 mm | 7.87" 100 Bigorne Gauche -100 Bigorne Droite

Standard



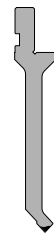
Gooseneck



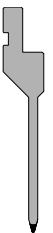
Sash



Narrow



Acute



## CFH150.86.R02-STD

|        |        |         |   |
|--------|--------|---------|---|
| 835 mm | 32.87" | 17.5 kg |   |
| 415 mm | 16.34" | 8.7 kg  |   |
| 800 mm | 31.49" | 16.8 kg | F |

42Cr: 900-1150 N/mm²

1000 kN/m max.

Bigorne 1

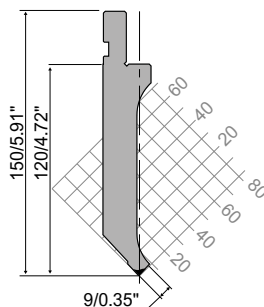
86°

W=120 | H=150 | R=0.2 mm

W=4.72 | H=5.91 | R=0.008 in

Aussi disponible W=85 3.35"

86° &gt;



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

FC: 800 mm - 31.50"

mm: <100-10-15-20-40-50-165-300-100>

in: <3.94-0.39-0.59-0.78-1.57-1.97-6.49-11.81-3.94>

F: 800 mm - 31.49"

mm: <100-300-150-50-40-20-15-15-10-100>

in: <3.94-11.81-5.90-1.96-1.57-0.79-0.59-0.59-0.39-3.94>



### CFH150.86.R02-GNK

|        |        |           |
|--------|--------|-----------|
| 835 mm | 32.87" | 25.2 kg   |
| 415 mm | 16.34" | 12.5 kg   |
| 800 mm | 31.49" | 24.2 kg F |

42Cr: 900-1150 N/mm<sup>2</sup>

500 kN/m max.

Bigorne 1

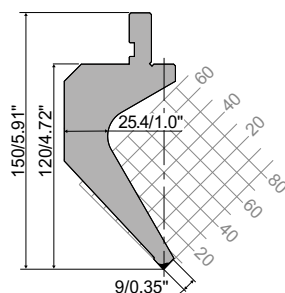
86°

W=120 | H=150 | R=0.2 mm

W=4.72 | H=5.91 | R=0.008 in

Aussi disponible W=85 3.35"

**NEW**



### CFH150.86.R02-SSH

|        |        |           |
|--------|--------|-----------|
| 835 mm | 32.87" | 11.8 kg   |
| 415 mm | 16.34" | 5.9 kg    |
| 800 mm | 31.49" | 11.3 kg F |

42Cr: 900-1150 N/mm<sup>2</sup>

500 kN/m max.

Bigorne 1

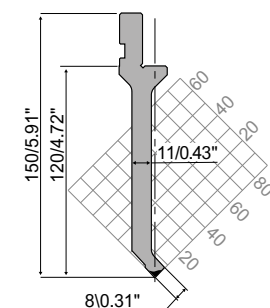
86°

W=120 | H=150 | R=0.65 mm

W=4.72 | H=5.91 | R=0.025 in

Aussi disponible W=85 3.35"

**NEW**



### CFH.150.88.R025

|        |        |           |
|--------|--------|-----------|
| 835 mm | 32.87" | 17.5 kg   |
| 415 mm | 16.34" | 8.7 kg    |
| 800 mm | 31.49" | 16.9 kg F |

42Cr: 900-1150 N/mm<sup>2</sup>

500 kN/m max.

Bigorne 1

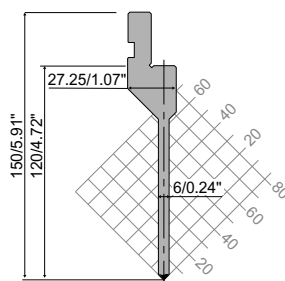
88°

W=120 | H=150 | R=0.37 mm

W=4.72 | H=5.91 | R=0.015 in

Aussi disponible W=85 3.35"

**88° >**



### CFH.150.30.R08

|        |        |           |
|--------|--------|-----------|
| 835 mm | 32.87" | 17.5 kg   |
| 415 mm | 16.34" | 8.7 kg    |
| 800 mm | 31.49" | 16.9 kg F |

42Cr: 900-1150 N/mm<sup>2</sup>

500 kN/m max.

Bigorne 1

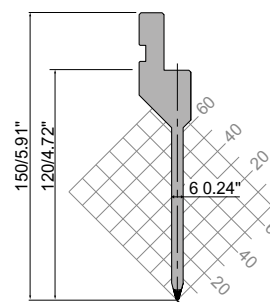
30°

W=120 | H=150 | R=0.8 mm

W=4.72 | H=5.91 | R=0.031 in

Aussi disponible W=85 3.35"

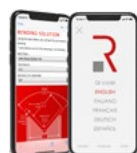
**30° >**



F: 800 mm - 31.49"

mm: <100-300-150-50-40-20-15-10-100>

in: <3.94-11.81-5.90-1.96-1.57-0.79-0.59-0.59-0.39-3.94>



Télécharger l'application de pliage Roller

En plus de nombreux contenus intéressants, l'application gratuite contient l'outil de calcul du développement de la tôle et l'abaque de pliage.

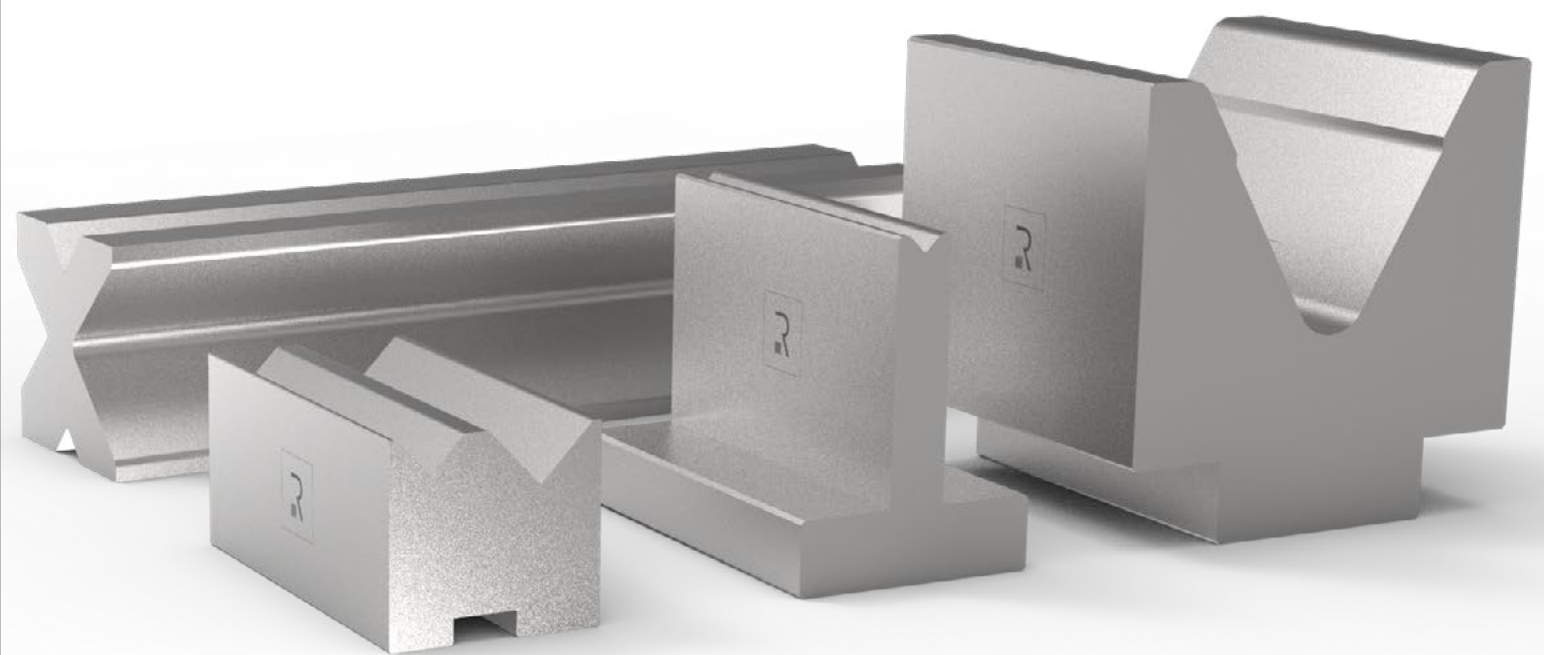
# R1

# MATRICES

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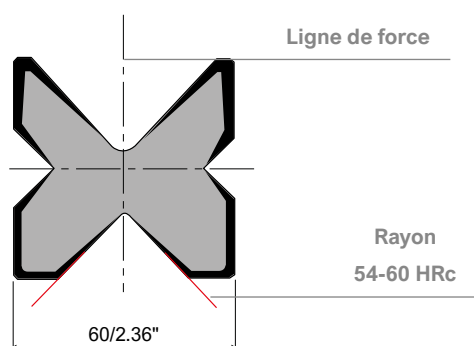
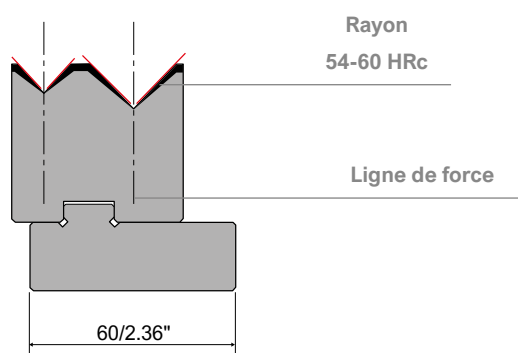
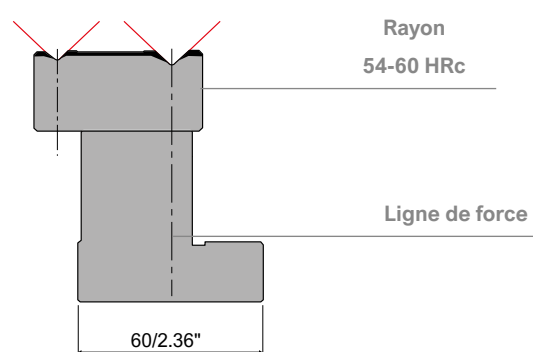
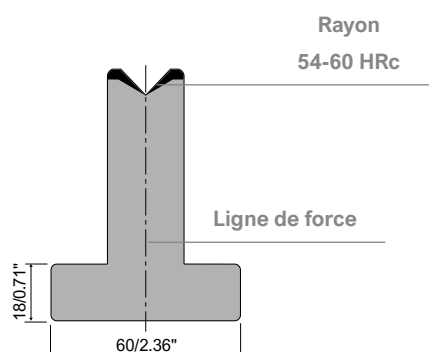
Compatibles avec presses plieuses: Accurl, Accurpress, ACL, Adira, Amada, Atlantic, Baykal, BL, Boschert, Boutillon, Bystronic, Beyeler, Euro-B, Coastone, Colgar, Dener, Deratech, Durmazlar, Ermaksan, Farina, Gade, Gasparini, Gecko, Gilardi, Gizelis, Haco, Hindustan, HPM, Iturraspe, Jfy, JMT, LFK, Metfab, MVD, Orianca, Prima Power, Promecam, Rico, Salvagnini, Schiavi, SMD, Sorg, Somo, Vicla, Vimercati, Warcom, Yawei,...

**Les références des outils sont rangées selon l'angle**



## ACCROCHE

Toutes les matrices R1 sont standardisées avec un talon de 60-90-120 mm 2.36"-3.54"-4.72".



## LONGUEURS STANDARD

|                 | Série<br>TOP | Série<br>CLASSIC | Série<br>A | Série<br>CFH |
|-----------------|--------------|------------------|------------|--------------|
| 525 mm   20.67" | ●            |                  |            |              |
| 415 mm   16.34" |              | ●                | ●          | ●            |
| 835 mm   32.87" |              | ●                | ●          | ●            |
| 900 mm   35.43" |              | ○                | ○          |              |

○ disponible uniquement pour certains modèles



Rolleri **BLACKFIRE** est un traitement d'outil caractérisé par une haute résistance à la corrosion et un design spécial. Ce traitement chimique résout le problème de l'oxydation et de la formation de rouille à long terme.



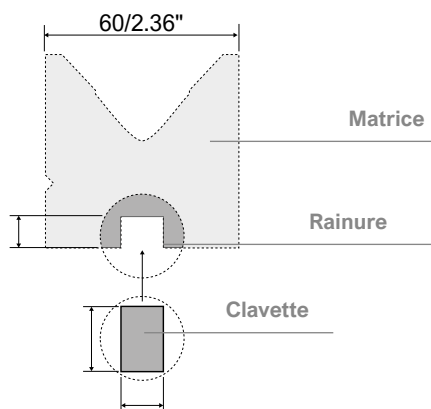
Rolleri **FREEZINC** est un traitement qui élimine les résidus métalliques sur les outils lors du pliage de la tôle galvanisée ou d'autres tôles qui ont tendance à laisser des résidus. Les outils sont protégés contre l'oxydation et il n'est pas nécessaire de les nettoyer.



## MODIFICATION AJOUT DE CLAVETTE

Pour utiliser les matrices R1 sur d'autres presses plieuses, une rainure de 10 mm  $0.39''$  est fraisée et une clavette est nécessaire pour obtenir la taille souhaitée.

| Clavette<br>(W x H)                   |          | Système                              |
|---------------------------------------|----------|--------------------------------------|
| 13 x 30 mm<br>$0.51'' \times 1.18''$  | R2<br>R3 | Bystronic-Beyeler, Safan, Trumpf,... |
| 55 x 55 mm<br>$2.16'' \times 2.16''$  | RX       | EHT                                  |
| 12.7 x 29 mm<br>$0.5'' \times 1.14''$ | R4       | LVD                                  |
| 35 x 55 mm<br>$1.37'' \times 2.16''$  | RX       | Weinbrenner                          |



## FRACTIONNEMENTS

Des fractionnements personnalisés sont également disponibles sur demande. Écrivez à [commercial@rollerifrance.fr](mailto:commercial@rollerifrance.fr) pour en savoir plus sur les prix et la disponibilité.

FC: 495 mm - 19.48"

mm: 25-30-35-40-45-50-100-170

in: 0.98-1.18-1.37-1.57-1.77-1.97-3.94-9.84



F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50-200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87



FC (Série A): 835 mm - 32.87"

mm: 10-15-20-40-50-100-200-400

in: 0.39-0.59-0.78-1.57-1.96-3.94 -7.87-15.75



F: 800 mm - 21.49"

mm: 100-10-15-15-20-40-50-150-400

in: 3.94-0.39-0.59-0.59-0.79-1.57-1.97-5.90-15.74



Téléchargez ou Demandez les catalogues d'outils pour poinçonneuses numériques et universelles (Iron worker), de consommables laser, d'outils pour panneauteuses et de lames de cisaille sur le site [www.rollerifrance.fr/catalogues](http://www.rollerifrance.fr/catalogues)



Créez votre compte sur [www.rollerifrance.fr](http://www.rollerifrance.fr). Vous pouvez utiliser le site pour voir les délais de livraison, demander des devis, vous tenir au courant des nouveautés, vérifier les prix et passer des commandes directement en ligne.

## M26.90.01

835 mm 32.87" 9.0 kg  
415 mm 16.34" 4.5 kg  
900 mm 35.43" 10.0 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

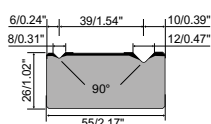
90°

H=26 | R=0.4 | V=6 mm

H=26 | R=0.6 | V=10 mm

H=1.02 | R=0.016 | V=0.24 in

H=1.02 | R=0.024 | V=0.39 in



## M26.90.02

835 mm 32.87" 9.0 kg  
415 mm 16.34" 4.5 kg  
900 mm 35.43" 10.0 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

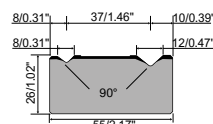
90°

H=26 | R=0.5 | V=8 mm

H=26 | R=0.8 | V=12 mm

H=1.02 | R=0.020 | V=0.31 in

H=1.02 | R=0.031 | V=0.47 in



## M26.90.03

835 mm 32.87" 9.0 kg  
415 mm 16.34" 4.5 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

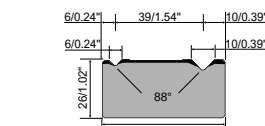
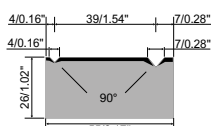
90°

H=26 | R=0.3 | V=4 mm

H=26 | R=0.5 | V=7 mm

H=1.02 | R=0.012 | V=0.16 in

H=1.02 | R=0.020 | V=0.28 in



## M26.88.01

835 mm 32.87" 9.0 kg  
415 mm 16.34" 4.5 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°

H=26 | R=0.4 | V=6 mm

H=26 | R=0.6 | V=10 mm

H=1.02 | R=0.016 | V=0.24 in

H=1.02 | R=0.024 | V=0.39 in



## M26.88.02

835 mm 32.87" 9.0 kg  
415 mm 16.34" 4.5 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

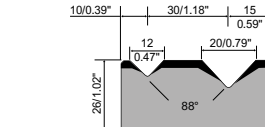
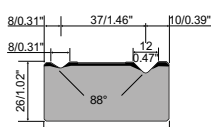
88°

H=26 | R=0.5 | V=8 mm

H=26 | R=0.8 | V=12 mm

H=1.02 | R=0.020 | V=0.31 in

H=1.02 | R=0.031 | V=0.47 in



## M26.88.03

835 mm 32.87" 9.0 kg  
415 mm 16.34" 4.5 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°

H=26 | R=2.75 | V=12 mm

H=26 | R=3 | V=20 mm

H=1.02 | R=0.108 | V=0.47 in

H=1.02 | R=0.118 | V=0.79 in



## M26.88.04

835 mm 32.87" 8.0 kg  
415 mm 16.34" 4.0 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

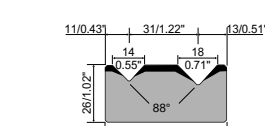
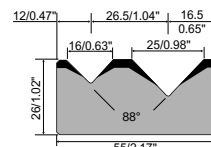
88°

H=26 | R=2.75 | V=16 mm

H=26 | R=2.75 | V=25 mm

H=1.02 | R=0.108 | V=0.63 in

H=1.02 | R=0.108 | V=0.98 in



## M26.88.05

835 mm 32.87" 8.0 kg  
415 mm 16.34" 4.0 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°

H=26 | R=2.75 | V=14 mm

H=26 | R=3 | V=18 mm

H=1.02 | R=0.108 | V=0.55 in

H=1.02 | R=0.118 | V=0.71 in

Créez votre compte sur [www.rollerifrance.fr](http://www.rollerifrance.fr)

Vous pouvez utiliser le site web pour vérifier les délais de livraison, demander des devis, rester informé sur l'actualité, vérifier les prix et passer vos commandes directement en ligne.



L'objectif du **manuel de pliage** est de fournir des éléments concrets et utiles pour arriver plus rapidement au résultat final. De multiples exemples, des formules simples et de nombreuses informations qui expliquent l'approche correcte du pliage.





## M26.60.01

835 mm 32.87" 9.0 kg  
415 mm 16.34" 4.5 kg  
900 mm 35.43" 10.0 kg

60° &gt;



C45: 560-710 N/mm<sup>2</sup>  
600 kN/m max.

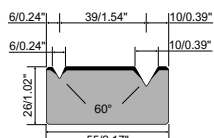
60°

H=26 | R=0.5 | V=6 mm

H=26 | R=0.8 | V=10 mm

H=1.02 | R=0.020 | V=0.24 in

H=1.02 | R=0.031 | V=0.39 in



## M26.60.02

835 mm 32.87" 9.0 kg  
415 mm 16.34" 4.5 kg

C45: 560-710 N/mm<sup>2</sup>  
800 kN/m max.

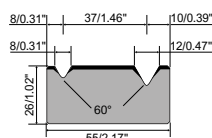
60°

H=26 | R=0.5 | V=8 mm

H=26 | R=0.8 | V=12 mm

H=1.02 | R=0.020 | V=0.31 in

H=1.02 | R=0.031 | V=0.47 in



## M26.60.03

835 mm 32.87" 8.0 kg  
415 mm 16.34" 4.5 kg

C45: 560-710 N/mm<sup>2</sup>  
800 kN/m max.

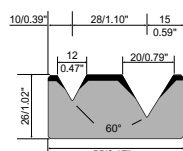
60°

H=26 | R=0.8 | V=12 mm

H=26 | R=3 | V=20 mm

H=1.02 | R=0.031 | V=0.24 in

H=1.02 | R=0.118 | V=0.39 in



## M26.60.05

835 mm 32.87" 8.0 kg  
415 mm 16.34" 4.5 kg

C45: 560-710 N/mm<sup>2</sup>  
800 kN/m max.

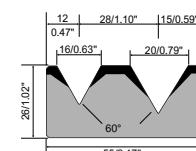
60°

H=26 | R=3 | V=16 mm

H=26 | R=3 | V=20 mm

H=1.02 | R=0.118 | V=0.63 in

H=1.02 | R=0.118 | V=0.79 in



## M31.35.01

835 mm 32.87" 11 kg  
415 mm 16.34" 5.5 kg

C45: 560-710 N/mm<sup>2</sup>  
300 kN/m max.

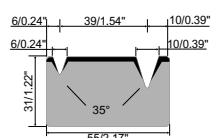
35°

H=31 | R=0.6 | V=6 mm

H=31 | R=1 | V=10 mm

H=1.22 | R=0.024 | V=0.24 in

H=1.22 | R=0.039 | V=0.39 in



## M31.35.02

835 mm 32.87" 10.0 kg  
415 mm 16.34" 5.0 kg

C45: 560-710 N/mm<sup>2</sup>  
300 kN/m max.

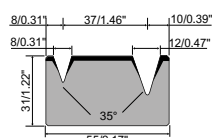
35°

H=31 | R=1 | V=8 mm

H=31 | R=1.2 | V=12 mm

H=1.22 | R=0.039 | V=0.31 in

H=1.2 | R=0.047 | V=0.47 in



## SU034

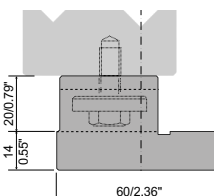
835 mm 32.87" 9.0 kg  
415 mm 16.34" 4.5 kg

C45: 560-710 N/mm<sup>2</sup>

H=34 mm

H=1.34 in

Support



## SU055

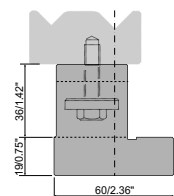
835 mm 32.87" 14.0 kg  
415 mm 16.34" 7.2 kg

C45: 560-710 N/mm<sup>2</sup>

H=55 mm

H=2.17 in

Support



## SU075

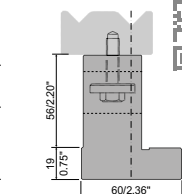
835 mm 32.87" 20.5 kg  
415 mm 16.34" 10.0 kg

C45: 560-710 N/mm<sup>2</sup>

H=75 mm

H=2.95

Support





## 46-10

|        |        |          |    |
|--------|--------|----------|----|
| 835 mm | 32.87" | 9.7 kg   |    |
| 415 mm | 16.34" | 4.8.0 kg |    |
| 795 mm | 31.29" | 9.7 kg   | FX |
| 805 mm | 31.69" | 9.7 kg   | F  |

C45: 560-710 N/mm<sup>2</sup>

800 kN/m max.

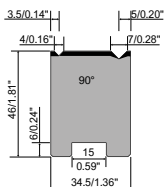
90°

H=46 | R=0.3 | V=4 mm

H=46 | R=0.5 | V=7 mm

H=1.81 | R=0.012 | V=0.16 in

H=1.81 | R=0.020 | V=0.28 in



90° &gt;



## 46-12

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 10.0 kg |    |
| 415 mm | 16.34" | 5.0 kg  |    |
| 795 mm | 31.29" | 9.5 kg  | FX |
| 805 mm | 31.69" | 10.0 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

800 kN/m max.

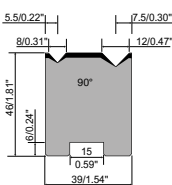
90°

H=46 | R=0.5 | V=8 mm

H=46 | R=0.8 | V=12 mm

H=1.81 | R=0.020 | V=0.31 in

H=1.81 | R=0.031 | V=0.47 in



## 46.13

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 10.9 kg |    |
| 415 mm | 16.34" | 5.4 kg  |    |
| 795 mm | 31.29" | 9.6 kg  | FX |
| 805 mm | 31.69" | 9.6 kg  | F  |

C45: 560-710 N/mm<sup>2</sup>

800 kN/m max.

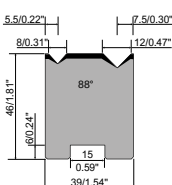
88°

H=46 | R=0.5 | V=8 mm

H=46 | R=0.8 | V=12 mm

H=1.81 | R=0.020 | V=0.31 in

H=1.81 | R=0.031 | V=0.47 in



## 46.15

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 12.6 kg |    |
| 415 mm | 16.34" | 6 kg    |    |
| 795 mm | 31.29" | 12 kg   | FX |
| 805 mm | 31.69" | 12.1 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

800 kN/m max.

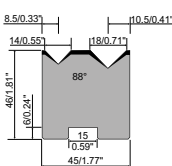
88°

H=46 | R=1.25 | V=14 mm

H=46 | R=1.5 | V=18 mm

H=1.81 | R=0.049 | V=0.55 in

H=1.81 | R=0.059 | V=0.71 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

## 46-11

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 10.3 kg |    |
| 415 mm | 16.34" | 5.1 kg  |    |
| 795 mm | 31.29" | 9.9 kg  | FX |
| 805 mm | 31.69" | 9.0 kg  | F  |

C45: 560-710 N/mm<sup>2</sup>

800 kN/m max.

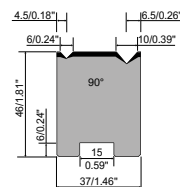
90°

H=46 | R=0.4 | V=6 mm

H=46 | R=0.6 | V=10 mm

H=1.81 | R=0.016 | V=0.24 in

H=1.81 | R=0.024 | V=0.39 in



## 46.11.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 10.3 kg |    |
| 415 mm | 16.34" | 5.2 kg  |    |
| 795 mm | 31.29" | 9.9 kg  | FX |
| 805 mm | 31.69" | 10.3 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

800 kN/m max.

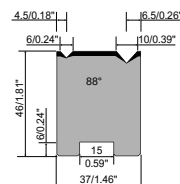
88°

H=46 | R=0.4 | V=6 mm

H=46 | R=0.6 | V=10 mm

H=1.81 | R=0.016 | V=0.24 in

H=1.81 | R=0.024 | V=0.39 in



88° &gt;

## 46.14

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 12 kg   |    |
| 415 mm | 16.34" | 6 kg    |    |
| 795 mm | 31.29" | 11.4 kg | FX |
| 805 mm | 31.69" | 11.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

800 kN/m max.

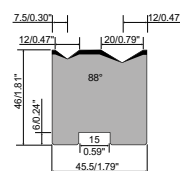
88°

H=46 | R=0.8 | V=12 mm

H=46 | R=1.75 | V=20 mm

H=1.81 | R=0.031 | V=0.47 in

H=1.81 | R=0.069 | V=0.79 in



## 46.16

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13 kg   |    |
| 415 mm | 16.34" | 6.5 kg  |    |
| 795 mm | 31.29" | 12.4 kg | FX |
| 805 mm | 31.69" | 12.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

800 kN/m max.

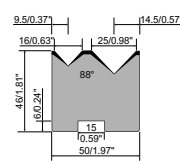
88°

H=46 | R=1.5 | V=16 mm

H=46 | R=1.75 | V=25 mm

H=1.81 | R=0.059 | V=0.63 in

H=1.81 | R=0.069 | V=0.98 in



F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94

**M26.85.02**

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 9.0 kg |    |
| 415 mm | 16.34" | 4.5 kg |    |
| 795 mm | 31.29" | 8.6 kg | FX |
| 805 mm | 31.69" | 8.7 kg | F  |

**85° >**42Cr: 900-1150 N/mm<sup>2</sup>

1000 kN/m max.

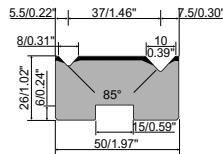
85°

H=26 | R=0.5 | V=8 mm

H=26 | R=0.8 | V=12 mm

H=1.02 | R=0.020 | V=0.31 in

H=1.02 | R=0.031 | V=0.47 in

**46.17**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 12.2 kg |    |
| 415 mm | 16.34" | 6 kg    |    |
| 795 mm | 31.29" | 12.2 kg | FX |
| 805 mm | 31.69" | 12.2 kg | F  |

**30° >**C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

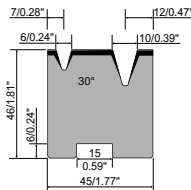
30°

H=46 | R=0.6 | V=6 mm

H=46 | R=1 | V=10 mm

H=1.81 | R=0.024 | V=0.24 in

H=1.81 | R=0.039 | V=0.39 in

**46.18**

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.2 kg |    |
| 415 mm | 16.34" | 6.6 kg  |    |
| 795 mm | 31.29" | 13 kg   | FX |
| 805 mm | 31.69" | 13 kg   | F  |

C45: 560-710 N/mm<sup>2</sup>

400 kN/m max.

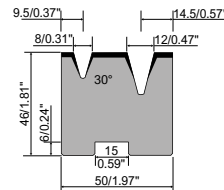
30°

H=46 | R=0.8 | V=8 mm

H=46 | R=1.5 | V=12 mm

H=1.81 | R=0.031 | V=0.31 in

H=1.81 | R=0.059 | V=0.47 in

**PM50**

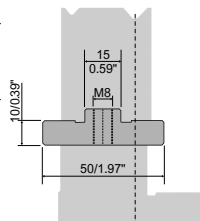
|        |        |        |  |
|--------|--------|--------|--|
| 835 mm | 32.87" | 4.0 kg |  |
| 415 mm | 16.34" | 3.7 kg |  |

C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

H=15 mm

H=0.59 in

**Support****PM50.20**

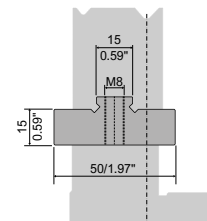
|        |        |        |  |
|--------|--------|--------|--|
| 835 mm | 32.87" | 5.4 kg |  |
| 415 mm | 16.34" | 2.6 kg |  |

C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

H=20 mm

H=0.79 in

**Support****PM60**

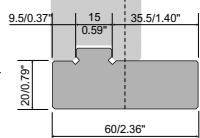
|        |        |        |  |
|--------|--------|--------|--|
| 835 mm | 32.87" | 7.5 kg |  |
| 415 mm | 16.34" | 3.7 kg |  |

C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

H=25 mm

H=0.98 in

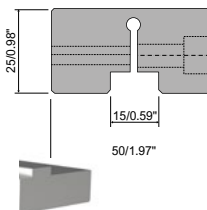
**Support****PB60**

0.2 kg

Fe37: 370-470 N/mm<sup>2</sup>

H=25 mm

H=0.98 in

**Support**

FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94




**AMR60.04.88**

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 5.4 kg |    |
| 415 mm | 16.34" | 2.7 kg |    |
| 795 mm | 31.29" | 5.1 kg | FX |
| 805 mm | 31.69" | 5.2 kg | F  |

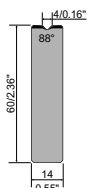
 C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

88°

H=60 | R=0.6 | V=4 mm

H=2.36 | R=0.024 | V=4 in



88° &gt;


**AMR60.06.88**

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 5.4 kg |    |
| 415 mm | 16.34" | 2.7 kg |    |
| 795 mm | 31.29" | 5.2 kg | FX |
| 805 mm | 31.69" | 5.2 kg | F  |

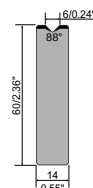
 C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

88°

H=60 | R=0.8 | V=6 mm

H=2.36 | R=0.031 | V=0.24 in


**AMR60.08.88**

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 5.4 kg |    |
| 415 mm | 16.34" | 2.7 kg |    |
| 795 mm | 31.29" | 5.2 kg | FX |
| 805 mm | 31.69" | 5.2 kg | F  |

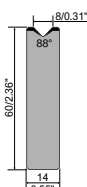
 C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

88°

H=60 | R=1.0 | V=8 mm

H=2.36 | R=0.039 | V=0.31 in


**AMR60.10.88**

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 5.6 kg |    |
| 415 mm | 16.34" | 2.8 kg |    |
| 795 mm | 31.29" | 5.4 kg | FX |
| 805 mm | 31.69" | 5.4 kg | F  |

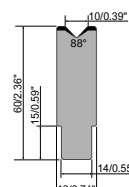
 C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

88°

H=60 | R=1.2 | V=10 mm

H=2.36 | R=0.047 | V=0.39 in


**AMR60.12.88**

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 6.1 kg |    |
| 415 mm | 16.34" | 3 kg   |    |
| 795 mm | 31.29" | 5.8 kg | FX |
| 805 mm | 31.69" | 5.9 kg | F  |

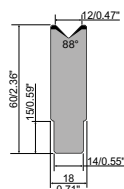
 C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

88°

H=60 | R=1.5 | V=12 mm

H=2.36 | R=0.059 | V=0.47 in


**AMR60.16.88**

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 7.1 kg |    |
| 415 mm | 16.34" | 3.5 kg |    |
| 795 mm | 31.29" | 6.8 kg | FX |
| 805 mm | 31.69" | 6.9 kg | F  |

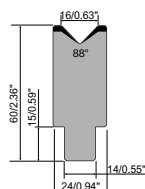
 C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

88°

H=60 | R=2 | V=16 mm

H=2.36 | R=0.079 | V=0.63 in


**AMR60.20.88**

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 8.0 kg |    |
| 415 mm | 16.34" | 4.0 kg |    |
| 795 mm | 31.29" | 7.8 kg | FX |
| 805 mm | 31.69" | 7.8 kg | F  |

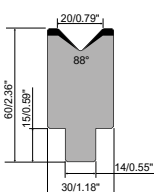
 C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

88°

H=60 | R=2 | V=20 mm

H=2.36 | R=0.079 | V=0.79 in


**AMR60.25.88**

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 9.1 kg |    |
| 415 mm | 16.34" | 4.6 kg |    |
| 795 mm | 31.29" | 8.9 kg | FX |
| 805 mm | 31.69" | 8.9 kg | F  |

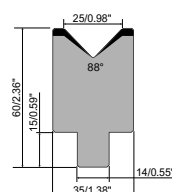
 C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

88°

H=60 | R=3 | V=25 mm

H=2.36 | R=0.118 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94





## AMR60.04.85

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 5.4 kg |    |
| 415 mm | 16.34" | 2.7 kg |    |
| 795 mm | 31.29" | 5.2 kg | FX |
| 805 mm | 31.69" | 5.2 kg | F  |

85° &gt;

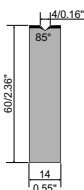
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=60 | R=0.6 | V=4 mm

H=2.36 | R=0.024 | V=0.114 in



## AMR60.06.85

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 5.4 kg |    |
| 415 mm | 16.34" | 2.7 kg |    |
| 795 mm | 31.29" | 5.1 kg | FX |
| 805 mm | 31.69" | 5.2 kg | F  |

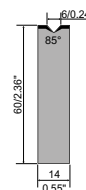
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=60 | R=0.8 | V=6 mm

H=2.36 | R=0.031 | V=0.24 in



## AMR60.08.85

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 5.4 kg |    |
| 415 mm | 16.34" | 2.7 kg |    |
| 795 mm | 31.29" | 5.1 kg | FX |
| 805 mm | 31.69" | 5.2 kg | F  |

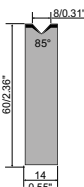
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=60 | R=1 | V=8 mm

H=2.36 | R=0.39 | V=0.31 in



## AMR60.10.85

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 5.6 kg |    |
| 415 mm | 16.34" | 2.8 kg |    |
| 795 mm | 31.29" | 5.3 kg | FX |
| 805 mm | 31.69" | 5.4 kg | F  |

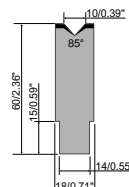
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=60 | R=1.2 | V=10 mm

H=2.36 | R=0.047 | V=0.39 in



## AMR60.12.85

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 6.1 kg |    |
| 415 mm | 16.34" | 3.0 kg |    |
| 795 mm | 31.29" | 5.8 kg | FX |
| 805 mm | 31.69" | 5.9 kg | F  |

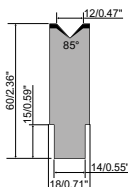
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=60 | R=1.5 | V=12 mm

H=2.36 | R=0.059 | V=0.47 in



## AMR60.16.85

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 7.1 kg |    |
| 415 mm | 16.34" | 3.5 kg |    |
| 795 mm | 31.29" | 6.8 kg | FX |
| 805 mm | 31.69" | 6.9 kg | F  |

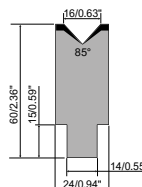
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=60 | R=2 | V=16 mm

H=2.36 | R=0.079 | V=0.63 in



## AMR60.20.85

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 8.0 kg |    |
| 415 mm | 16.34" | 4.0 kg |    |
| 795 mm | 31.29" | 7.6 kg | FX |
| 805 mm | 31.69" | 7.7 kg | F  |

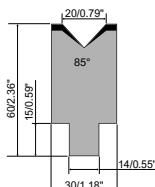
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=60 | R=2 | V=20 mm

H=2.36 | R=0.079 | V=0.79 in



## AMR60.25.85

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 9.2 kg |    |
| 415 mm | 16.34" | 4.6 kg |    |
| 795 mm | 31.29" | 8.8 kg | FX |
| 805 mm | 31.69" | 8.9 kg | F  |

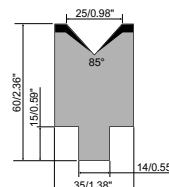
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=60 | R=3 | V=25 mm

H=2.36 | R=0.118 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94





## AMR60.06.30

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 5.9 kg |    |
| 415 mm | 16.34" | 2.9 kg |    |
| 795 mm | 31.29" | 5.6 kg | FX |
| 805 mm | 31.69" | 5.7 kg | F  |

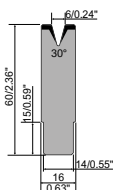
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

30°

H=60 | R=0.6 | V=6 mm

H=2.36 | R=0.024 | V=0.24 in



30° &gt;



## AMR60.08.30

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 6.6 kg |    |
| 415 mm | 16.34" | 3.3 kg |    |
| 795 mm | 31.29" | 6.3 kg | FX |
| 805 mm | 31.69" | 6.4 kg | F  |

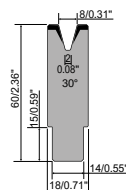
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

30°

H=60 | R=0.8 | V=8 mm

H=2.36 | R=0.031 | V=0.31 in



## AMR60.10.30

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 7.8 kg |    |
| 415 mm | 16.34" | 3.9 kg |    |
| 795 mm | 31.29" | 7.4 kg | FX |
| 805 mm | 31.69" | 7.5 kg | F  |

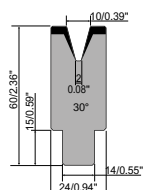
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

30°

H=60 | R=1 | V=10 mm

H=2.36 | R=0.039 | V=0.39 in



## AMR60.12.30

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 7.8 kg |    |
| 415 mm | 16.34" | 3.9 kg |    |
| 795 mm | 31.29" | 7.5 kg | FX |
| 805 mm | 31.69" | 7.6 kg | F  |

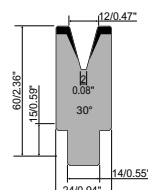
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

30°

H=60 | R=1.5 | V=12 mm

H=2.36 | R=0.059 | V=0.47 in



## AMR60.16.30

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 8.8 kg |    |
| 415 mm | 16.34" | 4.7 kg |    |
| 795 mm | 31.29" | 8.4 kg | FX |
| 805 mm | 31.69" | 9.2 kg | F  |

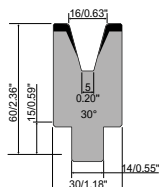
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

30°

H=60 | R=2 | V=16 mm

H=2.36 | R=0.079 | V=0.63 in



## AMR60.20.30

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 15.9 kg |    |
| 415 mm | 16.34" | 7.9 kg  |    |
| 795 mm | 31.29" | 15.3 kg | FX |
| 805 mm | 31.69" | 15.3 kg | F  |

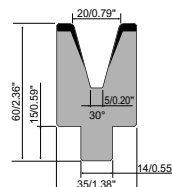
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

30°

H=60 | R=2.5 | V=20 mm

H=2.36 | R=0.098 | V=0.79 in



## AMR65.25.30

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.0 kg |    |
| 415 mm | 16.34" | 6.4 kg  |    |
| 795 mm | 31.29" | 12.4 kg | FX |
| 805 mm | 31.69" | 12.2 kg | F  |

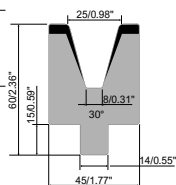
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

30°

H=60 | R=3 | V=25 mm

H=2.36 | R=0.118 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94





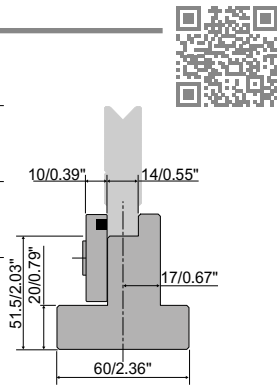


## SU61F

835 mm 32.87" 16.0 kg  
415 mm 16.34" 7.3 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

H=61.5 mm  
H=2.42 in

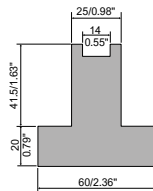


## 08000

1050 mm 41.34" 14.0 kg

C45: 560-710 N/mm<sup>2</sup>  
950 kN/m max.

H=61.5 mm  
H=2.42 in

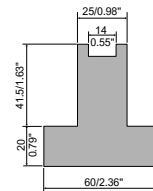


## 08100

1260 mm 49.61" 14.0 kg

C45: 560-710 N/mm<sup>2</sup>  
950 kN/m max.

H=61.5 mm  
H=2.42 in



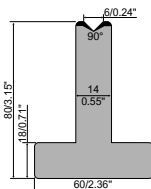
## Matrices T série CLASSIC

## T80.06.90

835 mm 32.87" 13.0 kg  
415 mm 16.34" 6.5 kg  
795 mm 31.29" 12.4 kg FX  
805 mm 31.69" 12.5 kg F  
900 mm 35.43" 14.0 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

90°  
H=80 | R=0.4 | V=6 mm  
H=3.15 | R=0.01 | V=0.24 in



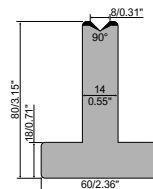
90° &gt;

## T80.08.90

835 mm 32.87" 13.0 kg  
415 mm 16.34" 6.5 kg  
795 mm 31.29" 12.4 kg FX  
805 mm 31.69" 12.5 kg F  
900 mm 35.43" 14.0 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

90°  
H=80 | R=0.5 | V=8 mm  
H=3.15 | R=0.02 | V=0.31 in

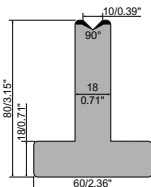


## T80.10.90

835 mm 32.87" 14.2 kg  
415 mm 16.34" 7.1 kg  
795 mm 31.29" 13.5 kg FX  
805 mm 31.69" 13.7 kg F

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

90°  
H=80 | R=0.6 | V=10 mm  
H=3.15 | R=0.02 | V=0.39 in

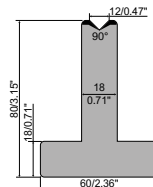


## T80.12.90

835 mm 32.87" 14.0 kg  
415 mm 16.34" 7.0 kg  
795 mm 31.29" 13.3 kg FX  
805 mm 31.69" 13.5 kg F

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

90°  
H=80 | R=0.8 | V=12 mm  
H=3.15 | R=0.03 | V=0.47 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94

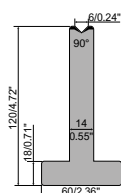


## T120.06.90

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.5 kg |    |
| 415 mm | 16.34" | 8.2 kg  |    |
| 795 mm | 31.29" | 15.7 kg | FX |
| 805 mm | 31.69" | 15.9 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

90°  
H=120 | R=0.4 | V=6 mm  
H=4.72 | R=0.01 | V=0.24 in

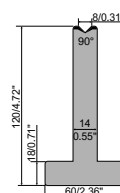


## T120.08.90

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.5 kg |    |
| 415 mm | 16.34" | 8.2 kg  |    |
| 795 mm | 31.29" | 15.9 kg | FX |
| 805 mm | 31.69" | 15.7 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

90°  
H=120 | R=0.5 | V=8 mm  
H=4.72 | R=0.02 | V=0.31 in

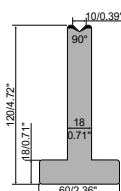


## T120.10.90

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 19.0 kg |    |
| 415 mm | 16.34" | 9.4 kg  |    |
| 795 mm | 31.29" | 18.1 kg | FX |
| 805 mm | 31.69" | 18.3 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

90°  
H=120 | R=0.6 | V=10 mm  
H=4.72 | R=0.02 | V=0.39 in

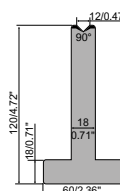


## T120.12.90

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 18.9 kg |    |
| 415 mm | 16.34" | 9.4 kg  |    |
| 795 mm | 31.29" | 18.0 kg | FX |
| 805 mm | 31.69" | 18.2 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

90°  
H=120 | R=0.8 | V=12 mm  
H=4.72 | R=0.03 | V=0.47 in

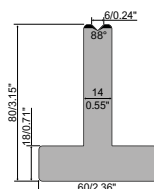


## T80.06.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.0 kg |    |
| 415 mm | 16.34" | 6.5 kg  |    |
| 795 mm | 31.29" | 12.4 kg | FX |
| 805 mm | 31.69" | 12.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°  
H=80 | R=0.4 | V=6 mm  
H=3.15 | R=0.01 | V=0.24 in

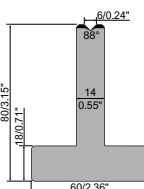


## TR80.06.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.0 kg |    |
| 415 mm | 16.34" | 6.5 kg  |    |
| 795 mm | 31.29" | 12.4 kg | FX |
| 805 mm | 31.69" | 12.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°  
H=80 | R=2.75 | V=6 mm  
H=3.15 | R=0.11 | V=0.24 in

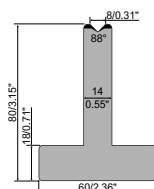


## T80.08.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.0 kg |    |
| 415 mm | 16.34" | 6.5 kg  |    |
| 795 mm | 31.29" | 12.4 kg | FX |
| 805 mm | 31.69" | 12.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°  
H=80 | R=0.5 | V=8 mm  
H=3.15 | R=0.02 | V=0.31 in

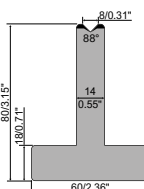


## TR80.08.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.0 kg |    |
| 415 mm | 16.34" | 6.5 kg  |    |
| 795 mm | 31.29" | 12.4 kg | FX |
| 805 mm | 31.69" | 12.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°  
H=80 | R=2.75 | V=8 mm  
H=3.15 | R=0.11 | V=0.31 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



## T80.10.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 14.2 kg |    |
| 415 mm | 16.34" | 7.1 kg  |    |
| 795 mm | 31.29" | 13.5 kg | FX |
| 805 mm | 31.69" | 13.7 kg | F  |

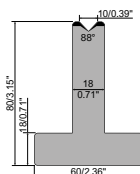
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

88°

H=80 | R=0.8 | V=10 mm

H=3.15 | R=0.03 | V=0.39 in



## TR80.10.88

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 15 kg  |    |
| 415 mm | 16.34" | 7.5 kg |    |
| 795 mm | 31.29" | 15 kg  | FX |
| 805 mm | 31.69" | 15 kg  | F  |

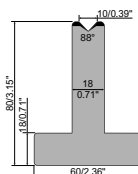
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

88°

H=80 | R=2.75 | V=10 mm

H=3.15 | R=0.11 | V=0.39 in



## T80.12.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 14.0 kg |    |
| 415 mm | 16.34" | 7.0 kg  |    |
| 795 mm | 31.29" | 13.3 kg | FX |
| 805 mm | 31.69" | 13.5 kg | F  |

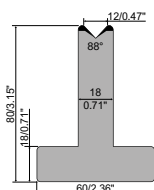
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

88°

H=80 | R=2.75 | V=12 mm

H=3.15 | R=0.108 | V=0.47 in



## T80.16.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.6 kg |    |
| 415 mm | 16.34" | 8.3 kg  |    |
| 795 mm | 31.29" | 15.8 kg | FX |
| 805 mm | 31.69" | 16.0 kg | F  |

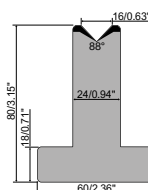
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

88°

H=80 | R=2.75 | V=16 mm

H=3.15 | R=0.108 | V=0.63 in



## T80.20.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 18.5 kg |    |
| 415 mm | 16.34" | 9.2 kg  |    |
| 795 mm | 31.29" | 17.6 kg | FX |
| 805 mm | 31.69" | 17.8 kg | F  |

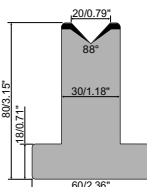
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

88°

H=80 | R=3 | V=20 mm

H=3.15 | R=0.118 | V=0.78 in



## T80.25.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 20.2 kg |    |
| 415 mm | 16.34" | 10.0 kg |    |
| 795 mm | 31.29" | 19.2 kg | FX |
| 805 mm | 31.69" | 19.5 kg | F  |

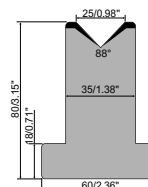
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

88°

H=80 | R=3 | V=25 mm

H=3.15 | R=0.118 | V=0.98 in



## T120.06.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.5 kg |    |
| 415 mm | 16.34" | 8.2 kg  |    |
| 795 mm | 31.29" | 15.2 kg | FX |
| 805 mm | 31.69" | 15.9 kg | F  |

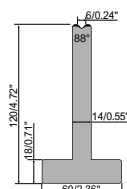
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

88°

H=120 | R=0.4 | V=6 mm

H=4.72 | R=0.01 | V=0.24 in



## TR120.06.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16 kg   |    |
| 415 mm | 16.34" | 8.0 kg  |    |
| 795 mm | 31.29" | 15.2 kg | FX |
| 805 mm | 31.69" | 16 kg   | F  |

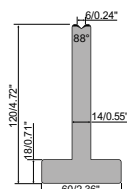
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

88°

H=120 | R=2.75 | V=6 mm

H=4.72 | R=0.11 | V=0.24 in



Des lignes apparaissent souvent aux points de contact entre la tôle et la matrice. Ceci est la conséquence du frottement entre la tôle et le rayon du V de la matrice trop petit. Pour éliminer les marques de pliage, des matrices TR avec un rayon d'entrée majoré peuvent être utilisées (il est également possible de modifier le rayon des matrices déjà en possession). En combinaison avec cette solution, nous recommandons l'utilisation du [ROLFILM](#).



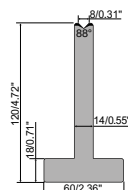
Cliquez sur le QRCode ou scannez-le pour regarder la vidéo et en savoir plus sur les matrices TR.

## T120.08.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.5 kg |    |
| 415 mm | 16.34" | 8.2 kg  |    |
| 795 mm | 31.29" | 15.7 kg | FX |
| 805 mm | 31.69" | 15.9 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°  
H=120 | R=0.5 | V=8 mm  
H=4.72 | R=0.02 | V=0.31 in

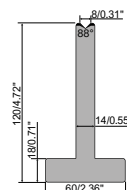


## TR120.08.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16 kg   |    |
| 415 mm | 16.34" | 8.0 kg  |    |
| 795 mm | 31.29" | 15.2 kg | FX |
| 805 mm | 31.69" | 16 kg   | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°  
H=120 | R=2.75 | V=8 mm  
H=4.72 | R=0.11 | V=0.31 in

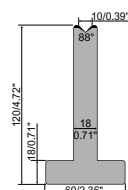


## T120.10.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 19.0 kg |    |
| 415 mm | 16.34" | 9.4 kg  |    |
| 795 mm | 31.29" | 18.1 kg | FX |
| 805 mm | 31.69" | 18.3 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°  
H=120 | R=0.8 | V=10 mm  
H=4.72 | R=0.03 | V=0.39 in

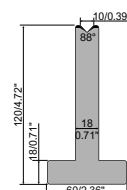


## TR120.10.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 18.0 kg |    |
| 415 mm | 16.34" | 9.0 kg  |    |
| 795 mm | 31.29" | 18.0 kg | FX |
| 805 mm | 31.69" | 18.0 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°  
H=120 | R=2.75 | V=10 mm  
H=4.72 | R=0.11 | V=0.39 in

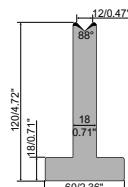


## T120.12.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 18.9 kg |    |
| 415 mm | 16.34" | 9.4 kg  |    |
| 795 mm | 31.29" | 18.0 kg | FX |
| 805 mm | 31.69" | 18.2 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°  
H=120 | R=2.75 | V=12 mm  
H=4.72 | R=0.11 | V=0.47 in

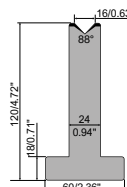


## T120.16.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 22.0 kg |    |
| 415 mm | 16.34" | 10.9 kg |    |
| 795 mm | 31.29" | 20.9 kg | FX |
| 805 mm | 31.69" | 21.2 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°  
H=120 | R=2.75 | V=16 mm  
H=4.72 | R=0.11 | V=0.63 in

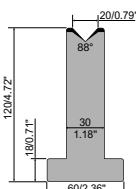


## T120.20.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 27.0 kg |    |
| 415 mm | 16.34" | 13.4 kg |    |
| 795 mm | 31.29" | 25.7 kg | FX |
| 805 mm | 31.69" | 26.0 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°  
H=120 | R=3 | V=20 mm  
H=4.72 | R=0.118 | V=0.79 in

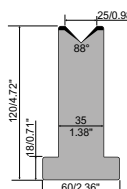


## T120.25.88

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 30.0 kg |    |
| 415 mm | 16.34" | 14.9 kg |    |
| 795 mm | 31.29" | 28.6 kg | FX |
| 805 mm | 31.69" | 28.9 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°  
H=120 | R=3 | V=25 mm  
H=4.72 | R=0.118 | V=0.98 in



Des lignes apparaissent souvent aux points de contact entre la tôle et la matrice. Ceci est la conséquence du frottement entre la tôle et le rayon du V de la matrice trop petit. Pour éliminer les marques de pliage, des matrices TR avec un rayon d'entrée majoré peuvent être utilisées (il est également possible de modifier le rayon des matrices déjà en possession). En combinaison avec cette solution, nous recommandons l'utilisation du **ROLFILM**.



Cliquez sur le QRCode ou scannez-le pour regarder la vidéo et en savoir plus sur les matrices TR.

## T80.06.85

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.0 kg |    |
| 415 mm | 16.34" | 6.5 kg  |    |
| 795 mm | 31.29" | 12.4 kg | FX |
| 805 mm | 31.69" | 12.5 kg | F  |

85° &gt;

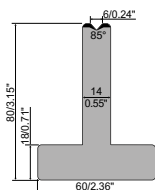
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=80 | R=2.75 | V=6 mm

H=3.15 | R=0.108 | V=0.24 in



## T80.08.85

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.0 kg |    |
| 415 mm | 16.34" | 6.5 kg  |    |
| 795 mm | 31.29" | 12.4 kg | FX |
| 805 mm | 31.69" | 12.5 kg | F  |

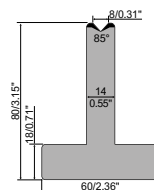
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=80 | R=2.75 | V=8 mm

H=3.15 | R=0.108 | V=0.31 in



## T80.10.85

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 14.2 kg |    |
| 415 mm | 16.34" | 7.1 kg  |    |
| 795 mm | 31.29" | 13.5 kg | FX |
| 805 mm | 31.69" | 13.7 kg | F  |

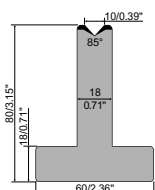
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=80 | R=2.75 | V=10 mm

H=3.15 | R=0.108 | V=0.39 in



## T80.12.85

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 14.0 kg |    |
| 415 mm | 16.34" | 7 kg    |    |
| 795 mm | 31.29" | 13.3 kg | FX |
| 805 mm | 31.69" | 13.5 kg | F  |

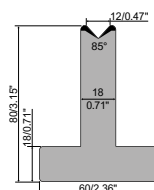
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=80 | R=2.75 | V=12 mm

H=3.15 | R=0.108 | V=0.47 in



## T80.16.85

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.6 kg |    |
| 415 mm | 16.34" | 8.3 kg  |    |
| 795 mm | 31.29" | 15.8 kg | FX |
| 805 mm | 31.69" | 16.0 kg | F  |

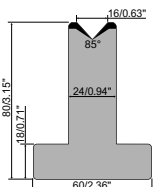
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=80 | R=2.75 | V=16 mm

H=3.15 | R=0.108 | V=0.63 in



## T80.20.85

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 18.5 kg |    |
| 415 mm | 16.34" | 9.2 kg  |    |
| 795 mm | 31.29" | 17.6 kg | FX |
| 805 mm | 31.69" | 17.8 kg | F  |

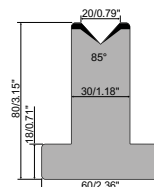
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=80 | R=3 | V=20 mm

H=3.15 | R=0.118 | V=0.78 in



## T80.25.85

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 20.2 kg |    |
| 415 mm | 16.34" | 10.0 kg |    |
| 795 mm | 31.29" | 19.2 kg | FX |
| 805 mm | 31.69" | 19.5 kg | F  |

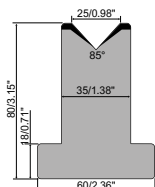
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=80 | R=3 | V=25 mm

H=3.15 | R=0.118 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94

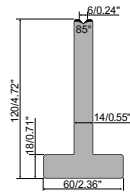


## T120.06.85

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.3 kg |    |
| 415 mm | 16.34" | 8.1 kg  |    |
| 795 mm | 31.29" | 15.7 kg | FX |
| 805 mm | 31.69" | 15.7 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

85°  
H=120 | R=2.75 | V=6 mm  
H=4.72 | R=0.108 | V=0.24 in

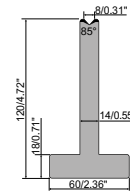


## T120.08.85

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.3 kg |    |
| 415 mm | 16.34" | 8.1 kg  |    |
| 795 mm | 31.29" | 15.7 kg | FX |
| 805 mm | 31.69" | 15.7 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

85°  
H=120 | R=2.75 | V=8 mm  
H=4.72 | R=0.108 | V=0.31 in

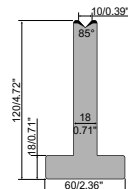


## T120.10.85

|        |        |          |    |
|--------|--------|----------|----|
| 835 mm | 32.87" | 19.0 kg  |    |
| 415 mm | 16.34" | 9.5.0 kg |    |
| 795 mm | 31.29" | 19.0 kg  | FX |
| 805 mm | 31.69" | 19.0 kg  | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

85°  
H=120 | R=2.75 | V=10 mm  
H=4.72 | R=0.108 | V=0.39 in

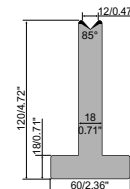


## T120.12.85

|        |        |          |    |
|--------|--------|----------|----|
| 835 mm | 32.87" | 18.9 kg  |    |
| 415 mm | 16.34" | 9.4.0 kg |    |
| 795 mm | 31.29" | 18.2 kg  | FX |
| 805 mm | 31.69" | 18.2 kg  | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

85°  
H=120 | R=2.75 | V=12 mm  
H=4.72 | R=0.108 | V=0.47 in

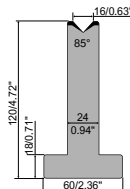


## T120.16.85

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 22.7 kg |    |
| 415 mm | 16.34" | 11.3 kg |    |
| 795 mm | 31.29" | 21.9 kg | FX |
| 805 mm | 31.69" | 21.9 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

85°  
H=120 | R=2.75 | V=16 mm  
H=4.72 | R=0.108 | V=0.63 in

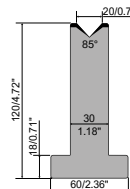


## T120.20.85

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 26.4 kg |    |
| 415 mm | 16.34" | 13 kg   |    |
| 795 mm | 31.29" | 25.5 kg | FX |
| 805 mm | 31.69" | 25.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

85°  
H=120 | R=3 | V=20 mm  
H=4.72 | R=0.118 | V=0.79 in

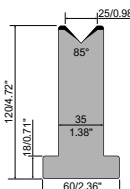


## T120.25.85

|        |        |       |    |
|--------|--------|-------|----|
| 835 mm | 32.87" | 30 kg |    |
| 415 mm | 16.34" | 15 kg |    |
| 795 mm | 31.29" | 30 kg | FX |
| 805 mm | 31.69" | 30 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

85°  
H=120 | R=3 | V=25 mm  
H=4.72 | R=0.118 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

In: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



## T80.06.80

835 mm 32.87" 13.0 kg  
 415 mm 16.34" 6.5 kg  
 795 mm 31.29" 12.4 kg FX  
 805 mm 31.69" 12.5 kg F

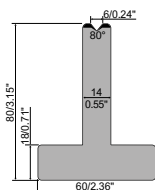
C45: 560-710 N/mm<sup>2</sup>

950 kN/m max.

80°

H=80 | R=2.75 | V=6 mm

H=3.15 | R=0.108 | V=0.24 in



## T80.08.80

835 mm 32.87" 13.0 kg  
 415 mm 16.34" 6.5 kg  
 795 mm 31.29" 12.4 kg FX  
 805 mm 31.69" 12.5 kg F

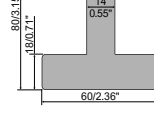
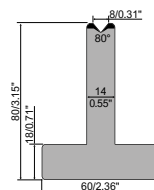
C45: 560-710 N/mm<sup>2</sup>

950 kN/m max.

80°

H=80 | R=2.75 | V=8 mm

H=3.15 | R=0.108 | V=0.31 in



## T80.10.80

835 mm 32.87" 14.2 kg  
 415 mm 16.34" 7.1 kg  
 795 mm 31.29" 13.5 kg FX  
 805 mm 31.69" 13.7 kg F

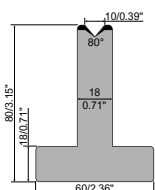
C45: 560-710 N/mm<sup>2</sup>

950 kN/m max.

80°

H=80 | R=2.75 | V=10 mm

H=3.15 | R=0.108 | V=0.39 in



## T80.12.80

835 mm 32.87" 14.0 kg  
 415 mm 16.34" 7.0 kg  
 795 mm 31.29" 13.3 kg FX  
 805 mm 31.69" 13.5 kg F

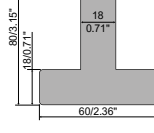
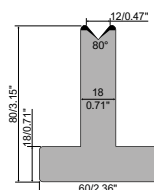
C45: 560-710 N/mm<sup>2</sup>

950 kN/m max.

80°

H=80 | R=2.75 | V=12 mm

H=3.15 | R=0.108 | V=0.47 in



## T80.16.80

835 mm 32.87" 16.6 kg  
 415 mm 16.34" 8.3 kg  
 795 mm 31.29" 15.8 kg FX  
 805 mm 31.69" 16.0 kg F

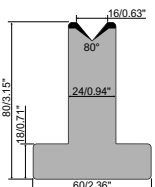
C45: 560-710 N/mm<sup>2</sup>

950 kN/m max.

80°

H=80 | R=2.75 | V=16 mm

H=3.15 | R=0.108 | V=0.63 in



## T80.20.80

835 mm 32.87" 18.5 kg  
 415 mm 16.34" 9.2 kg  
 795 mm 31.29" 17.6 kg FX  
 805 mm 31.69" 17.8 kg F

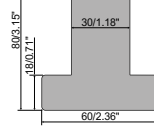
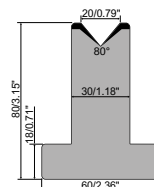
C45: 560-710 N/mm<sup>2</sup>

950 kN/m max.

80°

H=80 | R=3 | V=25 mm

H=3.15 | R=0.118 | V=0.98 in



## T80.25.80

835 mm 32.87" 20.2 kg  
 415 mm 16.34" 10.0 kg  
 795 mm 31.29" 19.2 kg FX  
 805 mm 31.69" 19.5 kg F

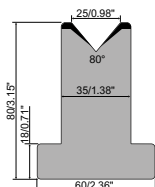
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

80°

H=80 | R=3 | V=25 mm

H=3.15 | R=0.118 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



## T120.06.80

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.5 kg |    |
| 415 mm | 16.34" | 8.2 kg  |    |
| 795 mm | 31.29" | 15.7 kg | FX |
| 805 mm | 31.69" | 15.9 kg | F  |

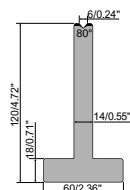
C45: 560-710 N/mm<sup>2</sup>

950 kN/m max.

80°

H=120 | R=2.75 | V=6 mm

H=4.72 | R=0.108 | V=0.24 in



## T120.08.80

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.5 kg |    |
| 415 mm | 16.34" | 8.2 kg  |    |
| 795 mm | 31.29" | 15.7 kg | FX |
| 805 mm | 31.69" | 15.9 kg | F  |

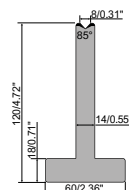
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

80°

H=120 | R=2.75 | V=8 mm

H=4.72 | R=0.108 | V=0.31 in



## T120.10.80

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 19.0 kg |    |
| 415 mm | 16.34" | 9.4 kg  |    |
| 795 mm | 31.29" | 18.1 kg | FX |
| 805 mm | 31.69" | 18.3 kg | F  |

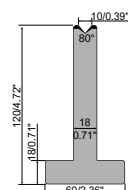
C45: 560-710 N/mm<sup>2</sup>

950 kN/m max.

80°

H=120 | R=2.75 | V=10 mm

H=4.72 | R=0.108 | V=0.39 in



## T120.12.80

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 18.9 kg |    |
| 415 mm | 16.34" | 9.4 kg  |    |
| 795 mm | 31.29" | 18.0 kg | FX |
| 805 mm | 31.69" | 18.2 kg | F  |

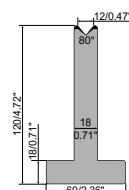
C45: 560-710 N/mm<sup>2</sup>

950 kN/m max.

80°

H=120 | R=2.75 | V=12 mm

H=4.72 | R=0.108 | V=0.47 in



## T120.16.80

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 22.0 kg |    |
| 415 mm | 16.34" | 10.9 kg |    |
| 795 mm | 31.29" | 20.9 kg | FX |
| 805 mm | 31.69" | 21.2 kg | F  |

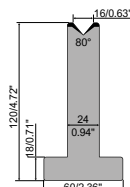
C45: 560-710 N/mm<sup>2</sup>

950 kN/m max.

80°

H=120 | R=2.75 | V=16 mm

H=4.72 | R=0.108 | V=0.63 in



## T120.20.80

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 27.0 kg |    |
| 415 mm | 16.34" | 13.4 kg |    |
| 795 mm | 31.29" | 25.7 kg | FX |
| 805 mm | 31.69" | 26.0 kg | F  |

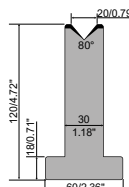
C45: 560-710 N/mm<sup>2</sup>

950 kN/m max.

80°

H=120 | R=3 | V=20 mm

H=4.72 | R=0.118 | V=0.79 in



## T120.25.80

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 30.0 kg |    |
| 415 mm | 16.34" | 14.9 kg |    |
| 795 mm | 31.29" | 28.6 kg | FX |
| 805 mm | 31.69" | 28.9 kg | F  |

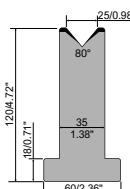
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

80°

H=120 | R=3 | V=25 mm

H=4.72 | R=0.118 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



## T80.06.60

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.0 kg |    |
| 415 mm | 16.34" | 6.5 kg  |    |
| 795 mm | 31.29" | 12.4 kg | FX |
| 805 mm | 31.69" | 12.5 kg | F  |

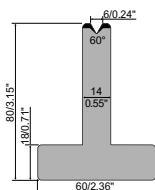
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=80 | R=0.5 | V=6 mm

H=3.15 | R=0.02 | V=0.24 in



## TR80.06.60

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 13 kg  |    |
| 415 mm | 16.34" | 6.5 kg |    |
| 795 mm | 31.29" | 13 kg  | FX |
| 805 mm | 31.69" | 13 kg  | F  |

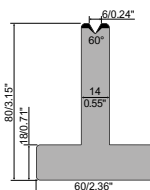
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=80 | R=1.5 | V=6 mm

H=3.15 | R=0.06 | V=0.24 in



## T80.08.60

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.0 kg |    |
| 415 mm | 16.34" | 6.5 kg  |    |
| 795 mm | 31.29" | 12.4 kg | FX |
| 805 mm | 31.69" | 12.5 kg | F  |

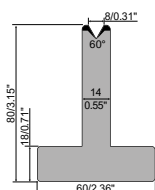
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=80 | R=0.8 | V=8 mm

H=3.15 | R=0.03 | V=0.31 in



## TR80.08.60

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 13 kg  |    |
| 415 mm | 16.34" | 6.5 kg |    |
| 795 mm | 31.29" | 13 kg  | FX |
| 805 mm | 31.69" | 13 kg  | F  |

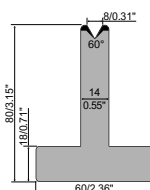
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=80 | R=1.5 | V=8 mm

H=3.15 | R=0.06 | V=0.31 in



## T80.10.60

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 14.9 kg |    |
| 415 mm | 16.34" | 7.4 kg  |    |
| 795 mm | 31.29" | 14.2 kg | FX |
| 805 mm | 31.69" | 14.4 kg | F  |

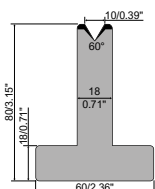
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=80 | R=0.8 | V=10 mm

H=3.15 | R=0.031 | V=0.39 in



## TR80.10.60

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 15 kg  |    |
| 415 mm | 16.34" | 7.5 kg |    |
| 795 mm | 31.29" | 15 kg  | FX |
| 805 mm | 31.69" | 15 kg  | F  |

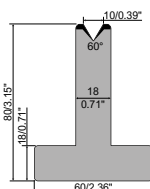
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=80 | R=2.75 | V=10 mm

H=3.15 | R=0.108 | V=0.39 in



## T80.12.60

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 14.9 kg |    |
| 415 mm | 16.34" | 7.4 kg  |    |
| 795 mm | 31.29" | 14.2 kg | FX |
| 805 mm | 31.69" | 14.4 kg | F  |

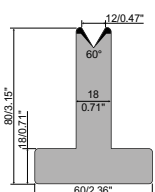
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=80 | R=0.8 | V=12 mm

H=3.15 | R=0.031 | V=0.47 in



## TR80.12.60

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 15 kg  |    |
| 415 mm | 16.34" | 7.5 kg |    |
| 795 mm | 31.29" | 15 kg  | FX |
| 805 mm | 31.69" | 15 kg  | F  |

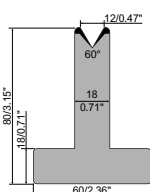
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

60°

H=80 | R=2.75 | V=12 mm

H=3.15 | R=0.11 | V=0.47 in



Des lignes apparaissent souvent aux points de contact entre la tôle et la matrice. Ceci est la conséquence du frottement entre la tôle et le rayon du V de la matrice trop petit. Pour éliminer les marques de pliage, des matrices TR avec un rayon d'entrée majoré peuvent être utilisées (il est également possible de modifier le rayon des matrices déjà en possession). En combinaison avec cette solution, nous recommandons l'utilisation du [ROLFILM](#).



Cliquez sur le QRCode ou scannez-le pour regarder la vidéo et en savoir plus sur les matrices TR.

## T80.16.60

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.1 kg |    |
| 415 mm | 16.34" | 8.0 kg  |    |
| 795 mm | 31.29" | 15.3 kg | FX |
| 805 mm | 31.69" | 15.5 kg | F  |

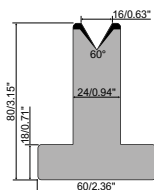
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=80 | R=2.75 | V=16 mm

H=3.15 | R=0.108 | V=0.63 in



## T80.20.60

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 18.0 kg |    |
| 415 mm | 16.34" | 8.9 kg  |    |
| 795 mm | 31.29" | 17.1 kg | FX |
| 805 mm | 31.69" | 17.4 kg | F  |

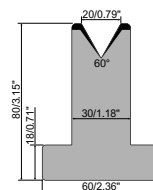
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=80 | R=3 | V=20 mm

H=3.15 | R=0.118 | V=0.79 in



## T80.25.60

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 19.5 kg |    |
| 415 mm | 16.34" | 9.7 kg  |    |
| 795 mm | 31.29" | 18.6 kg | FX |
| 805 mm | 31.69" | 18.8 kg | F  |

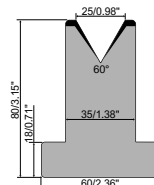
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=80 | R=3 | V=25 mm

H=3.15 | R=0.118 | V=0.98 in



## T120.06.60

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.0 kg |    |
| 415 mm | 16.34" | 8.0 kg  |    |
| 795 mm | 31.29" | 15.2 kg | FX |
| 805 mm | 31.69" | 15.4 kg | F  |

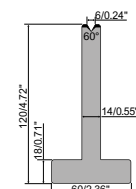
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=120 | R=0.5 | V=6 mm

H=4.72 | R=0.02 | V=0.24 in



## TR120.06.60

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.0 kg |    |
| 415 mm | 16.34" | 8.0 kg  |    |
| 795 mm | 31.29" | 15.2 kg | FX |
| 805 mm | 31.69" | 15.4 kg | F  |

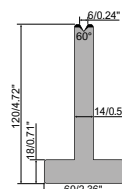
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=120 | R=1.5 | V=6 mm

H=4.72 | R=0.06 | V=0.24 in



## T120.08.60

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.0 kg |    |
| 415 mm | 16.34" | 8.0 kg  |    |
| 795 mm | 31.29" | 15.2 kg | FX |
| 805 mm | 31.69" | 15.4 kg | F  |

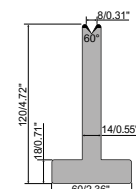
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=120 | R=0.8 | V=8 mm

H=4.72 | R=0.031 | V=0.31 in



## TR120.08.60

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.0 kg |    |
| 415 mm | 16.34" | 8.0 kg  |    |
| 795 mm | 31.29" | 15.2 kg | FX |
| 805 mm | 31.69" | 15.4 kg | F  |

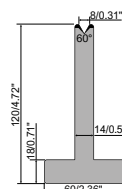
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=120 | R=1.5 | V=8 mm

H=4.72 | R=0.06 | V=0.31 in



Des lignes apparaissent souvent aux points de contact entre la tôle et la matrice. Ceci est la conséquence du frottement entre la tôle et le rayon du V de la matrice trop petit. Pour éliminer les marques de pliage, des matrices TR avec un rayon d'entrée majoré peuvent être utilisées (il est également possible de modifier le rayon des matrices déjà en possession). En combinaison avec cette solution, nous recommandons l'utilisation du ROLFILM.



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## T120.10.60

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 18.0 kg    |
| 415 mm | 16.34" | 8.9 kg     |
| 795 mm | 31.29" | 17.1 kg FX |
| 805 mm | 31.69" | 17.4 kg F  |

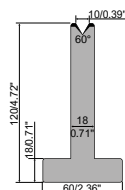
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=120 | R=0.8 | V=10 mm

H=4.72 | R=0.031 | V=0.39 in



## TR120.10.60

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 18.0 kg    |
| 415 mm | 16.34" | 8.9 kg     |
| 795 mm | 31.29" | 17.1 kg FX |
| 805 mm | 31.69" | 17.4 kg F  |

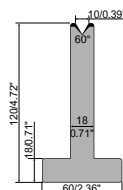
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=120 | R=2.75 | V=10 mm

H=4.72 | R=0.108 | V=0.39 in



## TR120.12.60

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 18.0 kg    |
| 415 mm | 16.34" | 8.9 kg     |
| 795 mm | 31.29" | 17.1 kg FX |
| 805 mm | 31.69" | 17.4 kg F  |

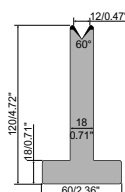
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=120 | R=0.8 | V=12 mm

H=4.72 | R=0.03 | V=0.47 in



|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 18.0 kg    |
| 415 mm | 16.34" | 8.9 kg     |
| 795 mm | 31.29" | 17.1 kg FX |
| 805 mm | 31.69" | 17.4 kg F  |

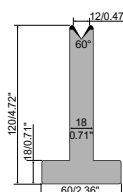
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=120 | R=2.75 | V=12 mm

H=4.72 | R=0.108 | V=0.47 in



## T120.16.60

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 22.4 kg    |
| 415 mm | 16.34" | 11.1 kg    |
| 795 mm | 31.29" | 21.3 kg FX |
| 805 mm | 31.69" | 21.6 kg F  |

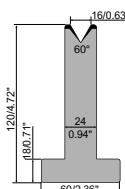
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=120 | R=2.75 | V=16 mm

H=4.72 | R=0.108 | V=0.63 in



## T120.20.60

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 26.0 kg    |
| 415 mm | 16.34" | 12.9 kg    |
| 795 mm | 31.29" | 24.8 kg FX |
| 805 mm | 31.69" | 25.1 kg F  |

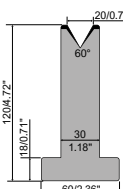
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=120 | R=3 | V=20 mm

H=4.72 | R=0.118 | V=0.79 in



## T120.25.60

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 28.5 kg    |
| 415 mm | 16.34" | 14.2 kg    |
| 795 mm | 31.29" | 27.1 kg FX |
| 805 mm | 31.69" | 27.5 kg F  |

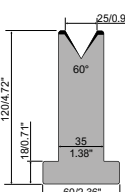
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

60°

H=120 | R=3 | V=25 mm

H=4.72 | R=0.118 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94

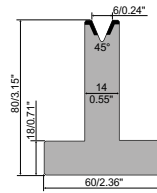


## T80.06.45

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 12.6 kg |    |
| 415 mm | 16.34" | 6.3 kg  |    |
| 795 mm | 31.29" | 12.0 kg | FX |
| 805 mm | 31.69" | 12.1 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
500 kN/m max.

45°  
H=80 | R=0.8 | V=6 mm  
H=3.15 | R=0.03 | V=0.24 in

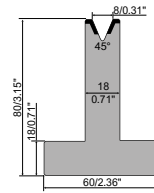


## T80.08.45

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 14.2 kg |    |
| 415 mm | 16.34" | 7.1 kg  |    |
| 795 mm | 31.29" | 13.5 kg | FX |
| 805 mm | 31.69" | 13.7 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
500 kN/m max.

45°  
H=80 | R=1.0 | V=8 mm  
H=3.15 | R=0.04 | V=0.31 in

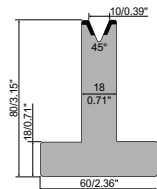


## T80.10.45

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 14.0 kg |    |
| 415 mm | 16.34" | 7.0 kg  |    |
| 795 mm | 31.29" | 13.3 kg | FX |
| 805 mm | 31.69" | 13.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
500 kN/m max.

45°  
H=80 | R=1.2 | V=8 mm  
H=3.15 | R=0.04 | V=0.31 in

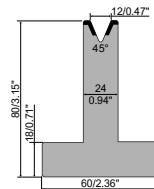


## T80.12.45

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.2 kg |    |
| 415 mm | 16.34" | 8.1 kg  |    |
| 795 mm | 31.29" | 15.4 kg | FX |
| 805 mm | 31.69" | 15.6 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
500 kN/m max.

45°  
H=80 | R=1.6 | V=12 mm  
H=3.15 | R=0.06 | V=0.47 in

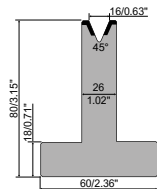


## T80.16.45

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.6 kg |    |
| 415 mm | 16.34" | 8.3 kg  |    |
| 795 mm | 31.29" | 15.8 kg | FX |
| 805 mm | 31.69" | 16.0 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
500 kN/m max.

45°  
H=80 | R=2.75 | V=16 mm  
H=3.15 | R=0.11 | V=0.63 in

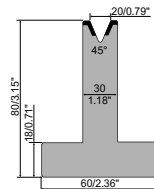


## T80.20.45

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 18.0 kg |    |
| 415 mm | 16.34" | 8.9 kg  |    |
| 795 mm | 31.29" | 17.1 kg | FX |
| 805 mm | 31.69" | 17.4 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
500 kN/m max.

45°  
H=80 | R=3 | V=20 mm  
H=3.15 | R=0.12 | V=0.79 in

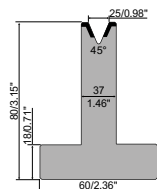


## T80.25.45

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 20.0 kg |    |
| 415 mm | 16.34" | 9.9 kg  |    |
| 795 mm | 31.29" | 19.0 kg | FX |
| 805 mm | 31.69" | 19.3 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
500 kN/m max.

45°  
H=80 | R=3 | V=25 mm  
H=3.15 | R=0.12 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94





## T120.06.45

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 16.0 kg    |
| 415 mm | 16.34" | 8.0 kg     |
| 795 mm | 31.29" | 15.2 kg FX |
| 805 mm | 31.69" | 15.4 kg F  |

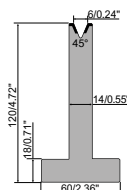
C45: 560-710 N/mm<sup>2</sup>

500 kN/m max.

45°

H=120 | R=0.8 | V=6 mm

H=4.72 | R=0.03 | V=0.24 in



## T120.08.45

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 18.0 kg    |
| 415 mm | 16.34" | 8.9 kg     |
| 795 mm | 31.29" | 17.1 kg FX |
| 805 mm | 31.69" | 17.4 kg F  |

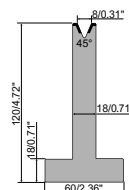
C45: 560-710 N/mm<sup>2</sup>

500 kN/m max.

45°

H=120 | R=1 | V=8 mm

H=4.72 | R=0.04 | V=0.31 in



## T120.10.45

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 18.0 kg    |
| 415 mm | 16.34" | 8.9 kg     |
| 795 mm | 31.29" | 17.1 kg FX |
| 805 mm | 31.69" | 17.4 kg F  |

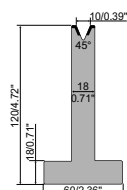
C45: 560-710 N/mm<sup>2</sup>

500 kN/m max.

45°

H=120 | R=1.2 | V=10 mm

H=4.72 | R=0.05 | V=0.39 in



## T120.12.45

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 22.9 kg    |
| 415 mm | 16.34" | 11.4 kg    |
| 795 mm | 31.29" | 21.8 kg FX |
| 805 mm | 31.69" | 22.1 kg F  |

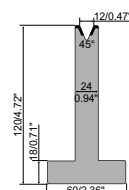
C45: 560-710 N/mm<sup>2</sup>

500 kN/m max.

45°

H=120 | R=1.6 | V=12 mm

H=4.72 | R=0.06 | V=0.47 in



## T120.16.45

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 25.0 kg    |
| 415 mm | 16.34" | 12.4 kg    |
| 795 mm | 31.29" | 23.8 kg FX |
| 805 mm | 31.69" | 24.1 kg F  |

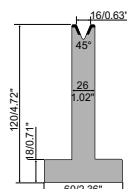
C45: 560-710 N/mm<sup>2</sup>

500 kN/m max.

45°

H=120 | R=2.75 | V=16 mm

H=4.72 | R=0.11 | V=0.63 in



## T120.20.45

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 26.0 kg    |
| 415 mm | 16.34" | 12.9 kg    |
| 795 mm | 31.29" | 24.8 kg FX |
| 805 mm | 31.69" | 25.1 kg F  |

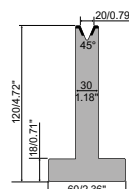
C45: 560-710 N/mm<sup>2</sup>

500 kN/m max.

45°

H=120 | R=3 | V=20 mm

H=4.72 | R=0.12 | V=0.79 in



## T120.25.45

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 30.0 kg    |
| 415 mm | 16.34" | 14.9 kg    |
| 795 mm | 31.29" | 28.6 kg FX |
| 805 mm | 31.69" | 28.9 kg F  |

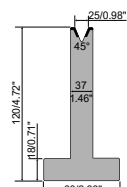
C45: 560-710 N/mm<sup>2</sup>

500 kN/m max.

45°

H=120 | R=3 | V=25 mm

H=4.72 | R=0.12 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94

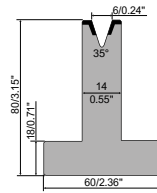


## T80.06.35

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 12.5 kg |    |
| 415 mm | 16.34" | 6.2 kg  |    |
| 795 mm | 31.29" | 11.9 kg | FX |
| 805 mm | 31.69" | 12.1 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
350 kN/m max.

35°  
H=80 | R=0.8 | V=6 mm  
H=3.15 | R=0.03 | V=0.24 in



35° &gt;

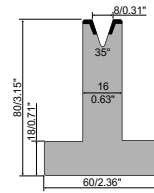


## T80.08.35

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.0 kg |    |
| 415 mm | 16.34" | 6.5 kg  |    |
| 795 mm | 31.29" | 12.4 kg | FX |
| 805 mm | 31.69" | 12.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
350 kN/m max.

35°  
H=80 | R=1 | V=8 mm  
H=3.15 | R=0.04 | V=0.31 in

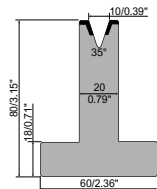


## T80.10.35

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 14.7 kg |    |
| 415 mm | 16.34" | 7.3 kg  |    |
| 795 mm | 31.29" | 14.0 kg | FX |
| 805 mm | 31.69" | 14.2 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
400 kN/m max.

35°  
H=80 | R=1.2 | V=10 mm  
H=3.15 | R=0.05 | V=0.39 in

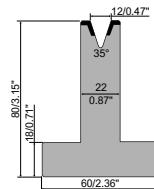


## T80.12.35

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 15.5 kg |    |
| 415 mm | 16.34" | 7.7 kg  |    |
| 795 mm | 31.29" | 14.8 kg | FX |
| 805 mm | 31.69" | 14.9 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
400 kN/m max.

35°  
H=80 | R=1.6 | V=12 mm  
H=3.15 | R=0.06 | V=0.47 in

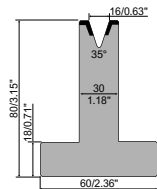


## T80.16.35

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 18.0 kg |    |
| 415 mm | 16.34" | 8.9 kg  |    |
| 795 mm | 31.29" | 17.1 kg | FX |
| 805 mm | 31.69" | 17.4 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
450 kN/m max.

35°  
H=80 | R=3 | V=16 mm  
H=3.15 | R=0.12 | V=0.63 in

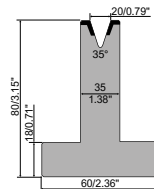


## T80.20.35

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 19.3 kg |    |
| 415 mm | 16.34" | 9.6 kg  |    |
| 795 mm | 31.29" | 18.4 kg | FX |
| 805 mm | 31.69" | 18.6 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
500 kN/m max.

35°  
H=80 | R=3 | V=20 mm  
H=3.15 | R=0.12 | V=0.79 in

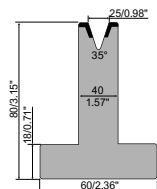


## T80.25.35

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 20.0 kg |    |
| 415 mm | 16.34" | 9.0 kg  |    |
| 795 mm | 31.29" | 19.0 kg | FX |
| 805 mm | 31.69" | 19.3 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
500 kN/m max.

35°  
H=80 | R=3 | V=25 mm  
H=3.15 | R=0.12 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94





## T120.06.35

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.0 kg |    |
| 415 mm | 16.34" | 8.0 kg  |    |
| 795 mm | 31.29" | 15.2 kg | FX |
| 805 mm | 31.69" | 15.4 kg | F  |

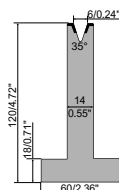
C45: 560-710 N/mm<sup>2</sup>

350 kN/m max.

35°

H=120 | R=0.8 | V=6 mm

H=4.72 | R=0.03 | V=0.24 in



## T120.08.35

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 18.0 kg |    |
| 415 mm | 16.34" | 8.9 kg  |    |
| 795 mm | 31.29" | 17.1 kg | FX |
| 805 mm | 31.69" | 17.4 kg | F  |

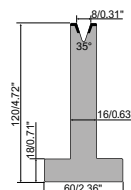
C45: 560-710 N/mm<sup>2</sup>

350 kN/m max.

35°

H=120 | R=1.0 | V=8 mm

H=4.72 | R=0.04 | V=0.31 in



## T120.10.35

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 19.9 kg |    |
| 415 mm | 16.34" | 9.9 kg  |    |
| 795 mm | 31.29" | 18.9 kg | FX |
| 805 mm | 31.69" | 19.2 kg | F  |

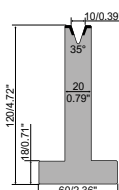
C45: 560-710 N/mm<sup>2</sup>

400 kN/m max.

35°

H=120 | R=1.2 | V=10 mm

H=4.72 | R=0.05 | V=0.39 in



## T120.12.35

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 21.0 kg |    |
| 415 mm | 16.34" | 10.4 kg |    |
| 795 mm | 31.29" | 20.0 kg | FX |
| 805 mm | 31.69" | 20.2 kg | F  |

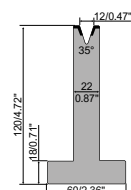
C45: 560-710 N/mm<sup>2</sup>

400 kN/m max.

35°

H=120 | R=1.6 | V=12 mm

H=4.72 | R=0.06 | V=0.47 in



## T120.16.35

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 25.8 kg |    |
| 415 mm | 16.34" | 12.8 kg |    |
| 795 mm | 31.29" | 24.6 kg | FX |
| 805 mm | 31.69" | 24.9 kg | F  |

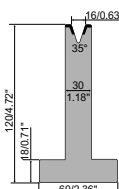
C45: 560-710 N/mm<sup>2</sup>

450 kN/m max.

35°

H=120 | R=3 | V=16 mm

H=4.72 | R=0.12 | V=0.63 in



## T120.20.35

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 28.0 kg |    |
| 415 mm | 16.34" | 13.9 kg |    |
| 795 mm | 31.29" | 26.7 kg | FX |
| 805 mm | 31.69" | 27.0 kg | F  |

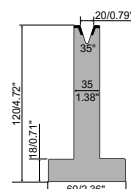
C45: 560-710 N/mm<sup>2</sup>

500 kN/m max.

35°

H=120 | R=3 | V=20 mm

H=4.72 | R=0.12 | V=0.79 in



## T120.25.35

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 30.5 kg |    |
| 415 mm | 16.34" | 15.2 kg |    |
| 795 mm | 31.29" | 29.0 kg | FX |
| 805 mm | 31.69" | 29.4 kg | F  |

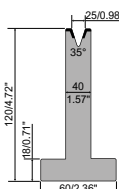
C45: 560-710 N/mm<sup>2</sup>

500 kN/m max.

35°

H=120 | R=3 | V=25 mm

H=4.72 | R=0.12 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



## T80.06.30

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 12.4 kg |    |
| 415 mm | 16.34" | 6.2 kg  |    |
| 795 mm | 31.29" | 11.8 kg | FX |
| 805 mm | 31.69" | 12.0 kg | F  |

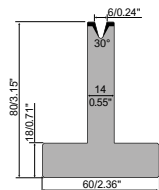
C45: 560-710 N/mm<sup>2</sup>

350 kN/m max.

30°

H=80 | R=0.6 | V=6 mm

H=3.15 | R=0.024 | V=0.24 in



30° &gt;



## T80.08.30

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13.0 kg |    |
| 415 mm | 16.34" | 6.5 kg  |    |
| 795 mm | 31.29" | 12.4 kg | FX |
| 805 mm | 31.69" | 12.5 kg | F  |

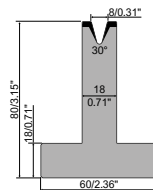
C45: 560-710 N/mm<sup>2</sup>

350 kN/m max.

30°

H=80 | R=0.8 | V=8 mm

H=3.15 | R=0.031 | V=0.31 in



## T80.10.30

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.0 kg |    |
| 415 mm | 16.34" | 8.0 kg  |    |
| 795 mm | 31.29" | 15.2 kg | FX |
| 805 mm | 31.69" | 15.4 kg | F  |

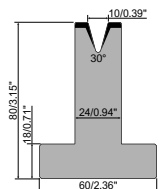
C45: 560-710 N/mm<sup>2</sup>

500 kN/m max.

30°

H=80 | R=1 | V=10 mm

H=3.15 | R=0.039 | V=0.39 in



## T80.12.30

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.0 kg |    |
| 415 mm | 16.34" | 8.0 kg  |    |
| 795 mm | 31.29" | 15.2 kg | FX |
| 805 mm | 31.69" | 15.4 kg | F  |

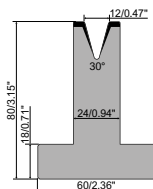
C45: 560-710 N/mm<sup>2</sup>

400 kN/m max.

30°

H=80 | R=1.5 | V=12 mm

H=3.15 | R=0.059 | V=0.47 in



## T80.16.30

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 18.0 kg |    |
| 415 mm | 16.34" | 8.9 kg  |    |
| 795 mm | 31.29" | 17.1 kg | FX |
| 805 mm | 31.69" | 17.4 kg | F  |

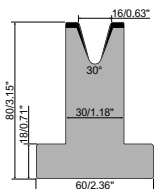
C45: 560-710 N/mm<sup>2</sup>

450 kN/m max.

30°

H=80 | R=2 | V=16 mm

H=3.15 | R=0.079 | V=0.63 in



## T80.20.30

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 19.0 kg |    |
| 415 mm | 16.34" | 9.4 kg  |    |
| 795 mm | 31.29" | 18.1 kg | FX |
| 805 mm | 31.69" | 18.3 kg | F  |

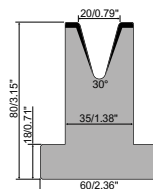
C45: 560-710 N/mm<sup>2</sup>

500 kN/m max.

30°

H=80 | R=2.5 | V=20 mm

H=3.15 | R=0.098 | V=0.79 in



## T80.25.30

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 19.6 kg |    |
| 415 mm | 16.34" | 9.7 kg  |    |
| 795 mm | 31.29" | 18.7 kg | FX |
| 805 mm | 31.69" | 18.9 kg | F  |

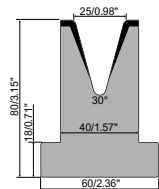
C45: 560-710 N/mm<sup>2</sup>

500 kN/m max.

30°

H=80 | R=3 | V=25 mm

H=3.15 | R=0.12 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94







## T120.06.30

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.0 kg |    |
| 415 mm | 16.34" | 8.0 kg  |    |
| 795 mm | 31.29" | 15.2 kg | FX |
| 805 mm | 31.69" | 15.4 kg | F  |

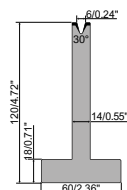
C45: 560-710 N/mm<sup>2</sup>

350 kN/m max.

30°

H=120 | R=0.6 | V=6 mm

H=4.72 | R=0.024 | V=0.24 in



## T120.08.30

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 19.0 kg |    |
| 415 mm | 16.34" | 9.4 kg  |    |
| 795 mm | 31.29" | 18.1 kg | FX |
| 805 mm | 31.69" | 18.3 kg | F  |

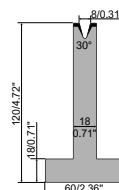
C45: 560-710 N/mm<sup>2</sup>

350 kN/m max.

30°

H=120 | R=0.8 | V=8 mm

H=4.72 | R=0.031 | V=0.31 in



## T120.10.30

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 22.0 kg |    |
| 415 mm | 16.34" | 10.9 kg |    |
| 795 mm | 31.29" | 20.9 kg | FX |
| 805 mm | 31.69" | 21.2 kg | F  |

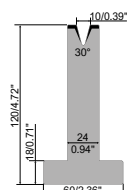
C45: 560-710 N/mm<sup>2</sup>

500 kN/m max.

30°

H=120 | R=1 | V=10 mm

H=4.72 | R=0.039 | V=0.39 in



## T120.12.30

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 22.0 kg |    |
| 415 mm | 16.34" | 10.9 kg |    |
| 795 mm | 31.29" | 20.9 kg | FX |
| 805 mm | 31.69" | 21.2 kg | F  |

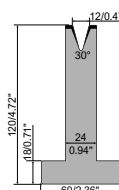
C45: 560-710 N/mm<sup>2</sup>

400 kN/m max.

30°

H=120 | R=1.5 | V=12 mm

H=4.72 | R=0.024 | V=0.47 in



## T120.16.30

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 25.8 kg |    |
| 415 mm | 16.34" | 12.8 kg |    |
| 795 mm | 31.29" | 24.6 kg | FX |
| 805 mm | 31.69" | 24.9 kg | F  |

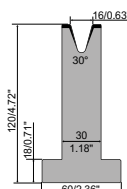
C45: 560-710 N/mm<sup>2</sup>

450 kN/m max.

30°

H=120 | R=2 | V=16 mm

H=4.72 | R=0.079 | V=0.63 in



## T120.20.30

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 28.0 kg |    |
| 415 mm | 16.34" | 13.9 kg |    |
| 795 mm | 31.29" | 26.7 kg | FX |
| 805 mm | 31.69" | 27.0 kg | F  |

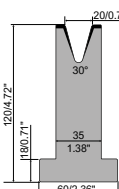
C45: 560-710 N/mm<sup>2</sup>

500 kN/m max.

30°

H=120 | R=2.5 | V=20 mm

H=4.72 | R=0.098 | V=0.79 in



## T120.25.30

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 30.5 kg |    |
| 415 mm | 16.34" | 15.2 kg |    |
| 795 mm | 31.29" | 29.0 kg | FX |
| 805 mm | 31.69" | 29.4 kg | F  |

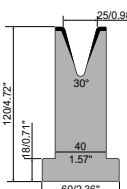
C45: 560-710 N/mm<sup>2</sup>

500 kN/m max.

30°

H=120 | R=3 | V=25 mm

H=4.72 | R=0.118 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



## T80.06.26

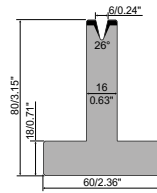
|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 14.0 kg |    |
| 415 mm | 16.34" | 7.0 kg  |    |
| 795 mm | 31.29" | 13.3 kg | FX |
| 805 mm | 31.69" | 13.5 kg | F  |

26° &gt;



C45: 560-710 N/mm<sup>2</sup>  
200 kN/m max.

26°  
H=80 | R=0.8 | V=6 mm  
H=3.15 | R=0.031 | V=0.24 in

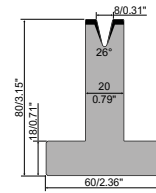


## T80.08.26

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 15.0 kg |    |
| 415 mm | 16.34" | 7.5 kg  |    |
| 795 mm | 31.29" | 14.3 kg | FX |
| 805 mm | 31.69" | 14.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
200 kN/m max.

26°  
H=80 | R=1 | V=8 mm  
H=3.15 | R=0.039 | V=0.31 in

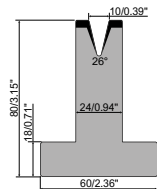


## T80.10.26

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 15.5 kg |    |
| 415 mm | 16.34" | 7.7 kg  |    |
| 795 mm | 31.29" | 14.8 kg | FX |
| 805 mm | 31.69" | 14.9 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
200 kN/m max.

26°  
H=80 | R=1.2 | V=10 mm  
H=3.15 | R=0.047 | V=0.39 in

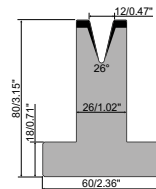


## T80.12.26

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 16.6 kg |    |
| 415 mm | 16.34" | 8.3 kg  |    |
| 795 mm | 31.29" | 15.8 kg | FX |
| 805 mm | 31.69" | 16.0 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
200 kN/m max.

26°  
H=80 | R=1.6 | V=12 mm  
H=3.15 | R=0.063 | V=0.47 in

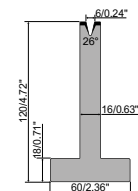


## T120.06.26

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 18.0 kg |    |
| 415 mm | 16.34" | 8.9 kg  |    |
| 795 mm | 31.29" | 17.1 kg | FX |
| 805 mm | 31.69" | 17.4 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
200 kN/m max.

26°  
H=120 | R=0.8 | V=6 mm  
H=4.72 | R=0.031 | V=0.24 in

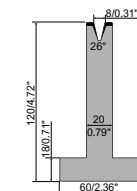


## T120.08.26

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 19.0 kg |    |
| 415 mm | 16.34" | 9.4 kg  |    |
| 795 mm | 31.29" | 18.1 kg | FX |
| 805 mm | 31.69" | 18.3 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
200 kN/m max.

26°  
H=120 | R=1 | V=8 mm  
H=4.72 | R=0.039 | V=0.31 in

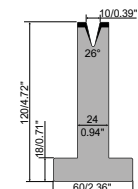


## T120.10.26

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 22.0 kg |    |
| 415 mm | 16.34" | 10.9 kg |    |
| 795 mm | 31.29" | 20.9 kg | FX |
| 805 mm | 31.69" | 21.2 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
200 kN/m max.

26°  
H=120 | R=1.2 | V=10 mm  
H=4.72 | R=0.047 | V=0.39 in

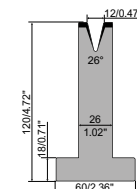


## T120.12.26

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 23.4 kg |    |
| 415 mm | 16.34" | 11.6 kg |    |
| 795 mm | 31.29" | 22.3 kg | FX |
| 805 mm | 31.69" | 22.6 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
200 kN/m max.

26°  
H=120 | R=1.6 | V=12 mm  
H=4.72 | R=0.063 | V=0.47 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94





## M60.85.32

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 21.6 kg |    |
| 415 mm | 16.34" | 10.7 kg |    |
| 795 mm | 31.29" | 20.6 kg | FX |
| 805 mm | 31.69" | 20.8 kg | F  |

85° &gt;

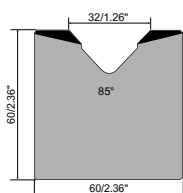
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=60 | R=4 | V=32 mm

H=2.36 | R=0.157 | V=1.26 in



## M60.85.40

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 20 kg   |    |
| 415 mm | 16.34" | 10.5 kg |    |
| 795 mm | 31.29" | 19.0 kg | FX |
| 805 mm | 31.69" | 19.0 kg | F  |

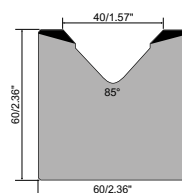
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=60 | R=4 | V=40 mm

H=2.36 | R=0.157 | V=1.57 in



## M60.85.50

|        |        |          |    |
|--------|--------|----------|----|
| 835 mm | 32.87" | 19.0 kg  |    |
| 415 mm | 16.34" | 9.5.0 kg |    |
| 795 mm | 31.29" | 19.0 kg  | FX |
| 805 mm | 31.69" | 19.0 kg  | F  |

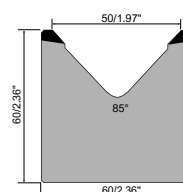
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=60 | R=4 | V=50 mm

H=2.36 | R=0.157 | V=1.97 in



## M75.85.63

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 29.2 kg |    |
| 415 mm | 16.34" | 14.5 kg |    |
| 795 mm | 31.29" | 28.0 kg | FX |
| 805 mm | 31.69" | 28.0 kg | F  |

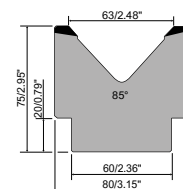
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=60 | R=5 | V=63 mm

H=2.36 | R=0.197 | V=2.48 in



## M80.85.80

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 33.5 kg |    |
| 415 mm | 16.34" | 16.6 kg |    |
| 795 mm | 31.29" | 32.2 kg | FX |
| 805 mm | 31.69" | 32.2 kg | F  |

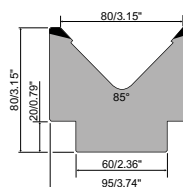
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=60 | R=6 | V=80 mm

H=2.36 | R=0.236 | V=3.15 in



## M95.80.100

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 46.2 kg |    |
| 415 mm | 16.34" | 22.9 kg |    |
| 795 mm | 31.29" | 44.5 kg | FX |
| 805 mm | 31.69" | 44.5 kg | F  |

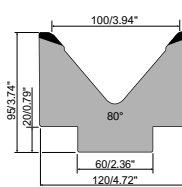
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

80°

H=60 | R=8 | V=100 mm

H=2.36 | R=0.315 | V=3.94 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



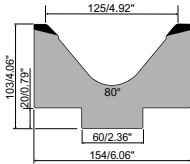
## MK103.80.125

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 62 kg   |    |
| 415 mm | 16.34" | 31 kg   |    |
| 795 mm | 31.29" | 59.8 kg | FX |
| 805 mm | 31.69" | 59.8 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
700 kN/m max.

85°

H=103 | R=15 | V=125 mm  
H=4.06 | R=0.591 | V=4.92 in



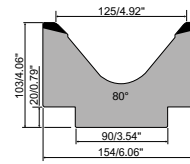
## M103.80.125

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 64.9 kg |    |
| 415 mm | 16.34" | 32.2 kg |    |
| 795 mm | 31.29" | 62.5 kg | FX |
| 805 mm | 31.69" | 62.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

85°

H=103 | R=15 | V=125 mm  
H=4.06 | R=0.591 | V=4.92 in



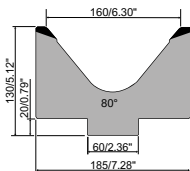
## MK130.80.160

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 93 kg   |    |
| 415 mm | 16.34" | 46.5 kg |    |
| 795 mm | 31.29" | 88.5 kg | FX |
| 805 mm | 31.69" | 89.7 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
700 kN/m max.

80°

H=130 | R=10 | V=160 mm  
H=5.12 | R=0.394 | V=6.30 in



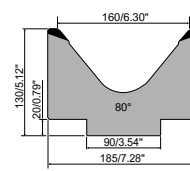
## M130.80.160

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 97 kg   |    |
| 415 mm | 16.34" | 47.4 kg |    |
| 795 mm | 31.29" | 88.5 kg | FX |
| 805 mm | 31.69" | 89.7 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

80°

H=130 | R=10 | V=160 mm  
H=5.12 | R=0.394 | V=6.30 in



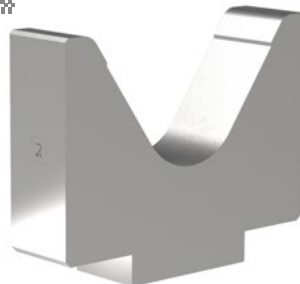
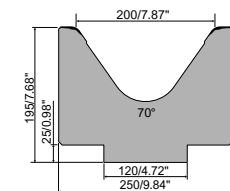
## M195.70.200

|        |        |        |  |
|--------|--------|--------|--|
| 415 mm | 16.34" | 104 kg |  |
|--------|--------|--------|--|

C45: 560-710 N/mm<sup>2</sup>  
1800 kN/m max.

70°

H=195 | R=15 | V=200 mm  
H=7.68 | R=0.591 | V=7.87 in



70° &gt;



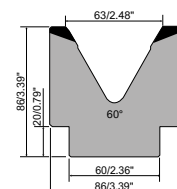
## M86.60.63

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 33.3 kg |    |
| 415 mm | 16.34" | 17 kg   |    |
| 795 mm | 31.29" | 34.0 kg | FX |
| 805 mm | 31.69" | 34.0 kg | F  |

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

60°

H=85 | R=5 | V=63 mm  
H=3.39 | R=0.197 | V=2.48 in



60° &gt;



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



**M110.60.80**

835 mm 32.87" 53 kg  
 415 mm 16.34" 26.5 kg  
 795 mm 31.29" 50.5 kg FX  
 805 mm 31.69" 51.1 kg F

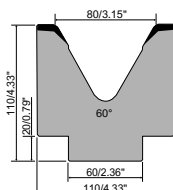
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

60°

H=110 | R=6 | V=80 mm

H=4.33 | R=0.236 | V=3.15 in

**M80.45.32**

835 mm 32.87" 27.5 kg  
 415 mm 16.34" 13.7 kg  
 795 mm 31.29" 27.5 kg FX  
 805 mm 31.69" 27.5 kg F



45° &gt;

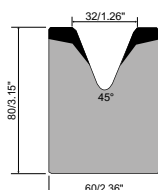
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

45°

H=80 | R=4 | V=32 mm

H=3.15 | R=0.157 | V=1.26 in

**M80.45.40**

835 mm 32.87" 30.9 kg  
 415 mm 16.34" 16.5 kg  
 795 mm 31.29" 30.7 kg FX  
 805 mm 31.69" 30.7 kg F

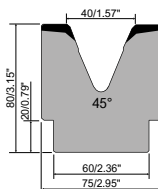
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

45°

H=80 | R=4 | V=40 mm

H=3.15 | R=0.157 | V=1.57 in

**M80.45.50**

835 mm 32.87" 31 kg  
 415 mm 16.34" 15.5 kg  
 795 mm 31.29" 31 kg FX  
 805 mm 31.69" 31 kg F

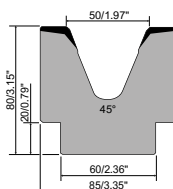
C45: 560-710 N/mm<sup>2</sup>

950 kN/m max.

45°

H=80 | R=4 | V=50 mm

H=3.15 | R=0.157 | V=1.97 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94





## M60.90.01

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 20 kg   |    |
| 415 mm | 16.34" | 10.0 kg |    |
| 795 mm | 31.29" | 20 kg   | FX |
| 805 mm | 31.69" | 20 kg   | F  |

C45: 560-710 N/mm<sup>2</sup>

950 kN/m max.

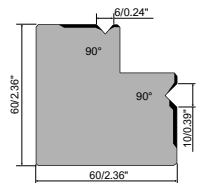
90°

R=0.4 | V=6 mm

R=0.6 | V=10 mm

R=0.016 | V=0.24 in

R=0.024 | V=0.39 in



## M60.90.02

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 20 kg   |    |
| 415 mm | 16.34" | 10.0 kg |    |
| 795 mm | 31.29" | 20 kg   | FX |
| 805 mm | 31.69" | 20 kg   | F  |

C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

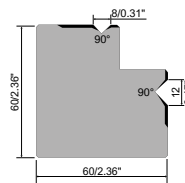
90°

R=0.5 | V=8 mm

R=0.8 | V=12 mm

R=0.020 | V=0.31 in

R=0.031 | V=0.47 in



## M.360.R

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 20 kg   |    |
| 415 mm | 16.34" | 10.0 kg |    |
| 795 mm | 31.29" | 20 kg   | FX |
| 805 mm | 31.69" | 20 kg   | F  |

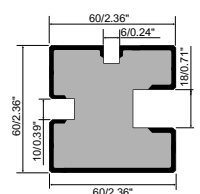
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

R=1.5 | V=6 mm R=0.059 | V=0.24 in

R=2 | V=10 mm R=0.079 | V=0.39 in

R=2 | V=18 mm R=0.118 | V=0.71 in



## M.460

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 15.7 kg |    |
| 415 mm | 16.34" | 7.7 kg  |    |
| 795 mm | 31.29" | 15.5 kg | FX |
| 805 mm | 31.69" | 15.5 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

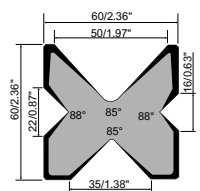
800 kN/m max.

85° R=2 | V=35 mm R=0.079 | V=1.38 in

85° R=3 | V=50 mm R=0.118 | V=1.97 in

88° R=2 | V=16 mm R=0.079 | V=0.63 in

88° R=3 | V=60 mm R=0.079 | V=2.36 in



## M.460.R

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 15.7 kg |    |
| 415 mm | 16.34" | 7.7 kg  |    |
| 795 mm | 31.29" | 15.1 kg | FX |
| 805 mm | 31.69" | 15.1 kg | F  |

C45: 560-710 N/mm<sup>2</sup>

800 kN/m max.

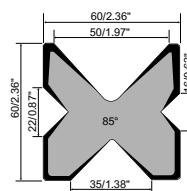
85°

R=2 | V=16 mm R=0.079 | V=0.63 in

R=2 | V=35 mm R=0.079 | V=1.38 in

R=2 | V=60 mm R=0.079 | V=2.36 in

R=3 | V=50 mm R=0.118 | V=1.97 in



## M.460.60

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 18.0 kg |    |
| 415 mm | 16.34" | 9.0 kg  |    |
| 795 mm | 31.29" | 16 kg   | FX |
| 805 mm | 31.69" | 16 kg   | F  |

C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

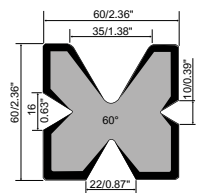
60°

R=1.5 | V=10 mm R=0.059 | V=0.39 in

R=2.0 | V=16 mm R=0.079 | V=0.63 in

R=2.5 | V=22 mm R=0.098 | V=0.87 in

R=3.0 | V=35 mm R=0.118 | V=1.38 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



**M.490**

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 38.9 kg    |
| 415 mm | 16.34" | 20 kg      |
| 795 mm | 31.29" | 39.0 kg FX |
| 805 mm | 31.69" | 39.0 kg F  |

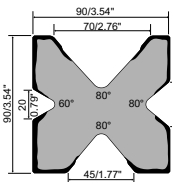
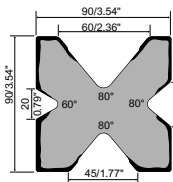
**M.490.70**

|        |        |          |
|--------|--------|----------|
| 835 mm | 32.87" | 35.8 kg  |
| 415 mm | 16.34" | 17.9 kg  |
| 795 mm | 31.29" | 36 kg FX |
| 805 mm | 31.69" | 36 kg F  |

C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

|                   |                     |
|-------------------|---------------------|
| 60° R=2   V=20 mm | R=0.079   V=0.79 in |
| 80° R=4   V=30 mm | R=0.157   V=1.18 in |
| 80° R=4   V=45 mm | R=0.157   V=1.77 in |
| 80° R=5   V=60 mm | R=0.020   V=2.36 in |

C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

|                   |                     |
|-------------------|---------------------|
| 60° R=2   V=20 mm | R=0.079   V=0.79 in |
| 80° R=4   V=30 mm | R=0.157   V=1.18 in |
| 80° R=4   V=45 mm | R=0.157   V=1.77 in |
| 80° R=5   V=70 mm | R=0.020   V=2.76 in |

**T70-88**

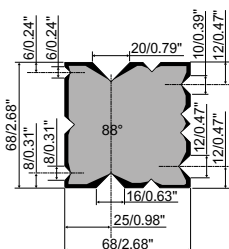
|        |        |         |
|--------|--------|---------|
| 525 mm | 20.67" | 17.5 kg |
| 495 mm | 19.49" | 16.5 kg |

42Cr: 900-1150 N/mm<sup>2</sup>

1000 kN/m max.

88°

|                  |                     |
|------------------|---------------------|
| R=0.4   V=6 mm   | R=0.016   V=0.24 in |
| R=0.5   V=8 mm   | R=0.020   V=0.31 in |
| R=0.8   V=10 mm  | R=0.031   V=0.39 in |
| R=2.75   V=12 mm | R=0.108   V=0.47 in |
| R=2.75   V=16 mm | R=0.108   V=0.63 in |
| R=3.0   V=20 mm  | R=0.118   V=0.79 in |

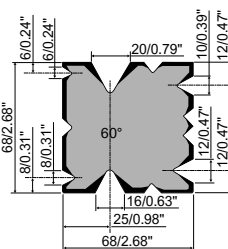
**T70-60**

|        |        |         |
|--------|--------|---------|
| 525 mm | 20.67" | 16.8 kg |
| 495 mm | 19.49" | 15.8 kg |

42Cr: 900-1150 N/mm<sup>2</sup>

60° kN/m max.

|                  |                     |     |
|------------------|---------------------|-----|
| R=0.8   V=10 mm  | R=0.031   V=0.39 in | 600 |
| R=0.8   V=12 mm  | R=0.031   V=0.47 in | 600 |
| R=2.75   V=16 mm | R=0.108   V=0.63 in | 800 |
| R=0.8   V=8 mm   | R=0.031   V=0.31 in | 600 |
| R=0.5   V=6 mm   | R=0.020   V=0.24 in | 600 |
| R=3.0   V=20 mm  | R=0.118   V=0.79 in | 800 |

**T70-45**

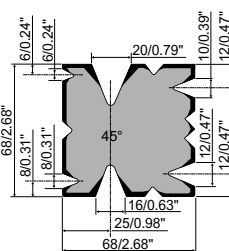
|        |        |         |
|--------|--------|---------|
| 525 mm | 20.67" | 16.1 kg |
| 495 mm | 19.49" | 15.2 kg |

42Cr: 900-1150 N/mm<sup>2</sup>

45°

kN/m max.

|                  |                     |     |
|------------------|---------------------|-----|
| R=0.8   V=6 mm   | R=0.031   V=0.24 in | 400 |
| R=1.0   V=8 mm   | R=0.039   V=0.31 in | 400 |
| R=1.2   V=10 mm  | R=0.047   V=0.39 in | 500 |
| R=1.6   V=12 mm  | R=0.063   V=0.47 in | 500 |
| R=2.75   V=16 mm | R=0.108   V=0.63 in | 700 |
| R=3.0   V=20 mm  | R=0.118   V=0.79 in | 700 |

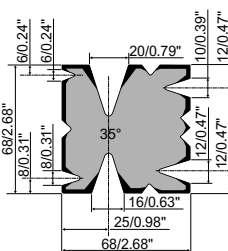
**T70-35**

|        |        |         |
|--------|--------|---------|
| 525 mm | 20.67" | 15.3 kg |
| 495 mm | 19.49" | 14.4 kg |

42Cr: 900-1150 N/mm<sup>2</sup>

35° kN/m max.

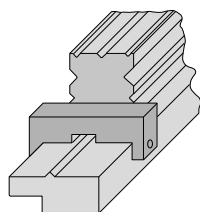
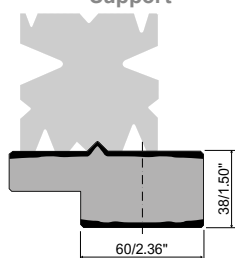
|                 |                     |     |
|-----------------|---------------------|-----|
| R=0.8   V=6 mm  | R=0.031   V=0.24 in | 300 |
| R=1.0   V=8 mm  | R=0.039   V=0.31 in | 350 |
| R=1.2   V=10 mm | R=0.047   V=0.39 in | 450 |
| R=1.6   V=12 mm | R=0.063   V=0.47 in | 450 |
| R=3.0   V=16 mm | R=0.118   V=0.63 in | 500 |
| R=3.0   V=20 mm | R=0.118   V=0.79 in | 500 |

**SU-T70**

|        |        |         |
|--------|--------|---------|
| 525 mm | 20.67" | 12.4 kg |
|--------|--------|---------|

C45: 560-710 N/mm<sup>2</sup>

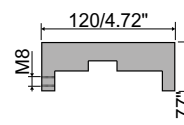
Support

**PB-T70**

|        |        |         |
|--------|--------|---------|
| 525 mm | 20.67" | 12.4 kg |
|--------|--------|---------|

Fe37

Support



Cliquez sur le QRCode ou scannez-le pour regarder la vidéo et en savoir plus sur les matrices T70.

Créez votre compte sur [www.rollerifrance.fr](http://www.rollerifrance.fr)

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L'outil représenté ici et appelé outil pli écrasé, a pour fonction de pouvoir plier et écraser le bord d'une tôle avec le même équipement. Grâce à cette solution, il est possible de rigidifier les bords et d'éviter la présence de bavures vers l'extérieur de la tôle. Cette procédure est largement utilisée à des fins de sécurité pour éviter les blessures accidentelles des opérateurs qui doivent manipuler ces pièces.

Normalement, 30/10 d'acier doux (Fe) est considéré comme la limite d'épaisseur maximale et 20/10 pour l'acier inoxydable. Pour des épaisseurs plus importantes, il est possible de trouver des solutions ad hoc qui tiennent compte des forces requises pour la phase d'écrasement.

#### L'écrasement peut être de 2 types: partiel ou total.

Par aplatissement partiel ou goutte, nous entendons un pli qui ne gagne pas tout le retour élastique de la tôle. Ainsi en mesurant au point d'aplatissement nous n'aurons pas exactement la double épaisseur de la tôle mais une dimension plus importante, par exemple avec un 15/10 nous pourrions avoir une dimension extérieure de 40/10. Cette valeur dépend exclusivement de la force appliquée. Donc si vous voulez réaliser un écrasement total pour un 15/10 d'acier doux type Fe et pouvoir mesurer 30/10 en conséquence, il sera indispensable d'utiliser plus de tonnes.

Dans le tableau ci-dessous, il est possible de vérifier les forces

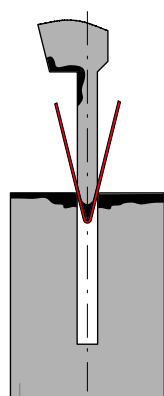
nécessaires. Un conseil important pour le choix de la presse plieuse concerne le **type de matériau à déformer**: le poinçon et la matrice à 35° conviennent pour l'aluminium ou l'acier doux, donc des matériaux à faible retour élastique, tandis que pour les aciers plus résistants comme l'inox il est conseillé l'accouplement de poinçon et matrice au maximum à 30°, de préférence à 26°.

**La gestion du retour élastique** est fondamentale pour surmonter la résistance du matériau précisément lors de la phase d'écrasement où le matériau a tendance à être éjecté si l'angle obtenu dans le pré-pli n'est pas suffisamment fermé.

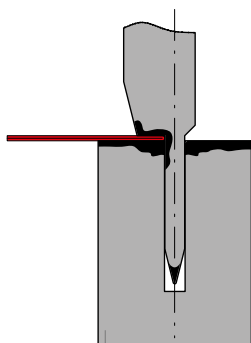
**Il faut souligner que pour les systèmes à ressorts ou pneumatiques, le poinçon et le V de la matrice de la presse plieuse doivent avoir exactement les mêmes degrés (ces systèmes existent en deux longueurs: 835 et 415 mm et il n'est pas possible d'avoir un outil fractionné).**

En revanche concernant les presses plieuses avec matrice avec ouverture en "U", le choix doit être fait en tenant compte de l'ouverture et du corps du poinçon qui doivent avoir les mêmes dimensions (la longueur de ces outils est de 525mm avec la possibilité d'avoir également un outil fractionné).

#### CHARGES MAXIMALES



500 kN/m max.



1000 kN/m max.



| S    | S    | A   | A    | R.420 N/mm <sup>2</sup> | R.700 N/mm <sup>2</sup> |
|------|------|-----|------|-------------------------|-------------------------|
| mm   | in   | mm  | in   | kN/m                    | kN/m                    |
| 0.60 | 0.02 | 3.0 | 0.12 | 90                      | 150                     |
| 0.80 | 0.03 | 3.0 | 0.12 | 120                     | 200                     |
| 1.00 | 0.04 | 3.5 | 0.14 | 150                     | 250                     |
| 1.25 | 0.05 | 3.5 | 0.14 | 170                     | 260                     |



| S    | S    | A   | A    | R.420 N/mm <sup>2</sup> | R.700 N/mm <sup>2</sup> |
|------|------|-----|------|-------------------------|-------------------------|
| mm   | in   | mm  | in   | kN/m                    | kN/m                    |
| 0.60 | 0.02 | 1.2 | 0.05 | 230                     | 350                     |
| 0.80 | 0.03 | 1.6 | 0.06 | 320                     | 500                     |
| 1.00 | 0.04 | 1.0 | 0.04 | 400                     | 600                     |
| 1.25 | 0.05 | 2.5 | 0.10 | 500                     | 800                     |



L'objectif du **manuel de pliage** est de fournir des éléments concrets et utiles pour arriver plus rapidement au résultat final. De multiples exemples, des formules simples et de nombreuses informations qui expliquent l'approche correcte du pliage.



Cliquez sur le QRCode ou scannez-le pour regarder la vidéo et en savoir plus sur les outils à écraser.



**TOP.SM-134.28.8**

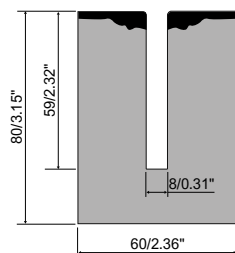
525 mm 20.67" 17.5 kg  
495 mm 19.49" 16.5 kg FC

42Cr:900-1150 N/mm<sup>2</sup>  
500 - 1000 kN/m max.

H=80 | R=1 | V=8 mm  
H=3.15 | R=0.039 | V=0.31 in



À utiliser avec:  
TOP.SP.134.28.8

**TOP.SM-134.24.8**

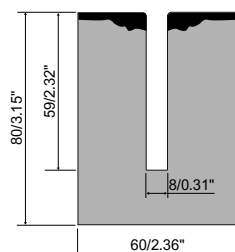
525 mm 20.67" 16.5 kg  
495 mm 19.49" 16.5 kg FC

42Cr:900-1150 N/mm<sup>2</sup>  
500 - 1000 kN/m max.

H=80 | R=1 | V=8 mm  
H=3.15 | R=0.039 | V=0.31 in



À utiliser avec:  
TOP.SP.134.24.8

**TOP.SM-134.24.10**

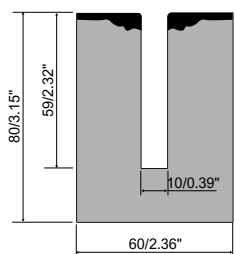
525 mm 20.67" 18.0 kg  
495 mm 19.49" 16.9 kg FC

42Cr:900-1150 N/mm<sup>2</sup>  
500 - 1000 kN/m max.

H=80 | R=1 | V=10 mm  
H=3.15 | R=0.039 | V=0.39 in



À utiliser avec:  
TOP.SP.134.24.10

**TOP.SM-134.24.12**

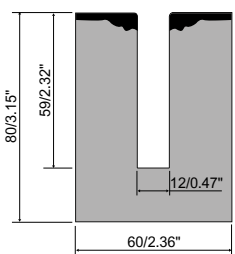
525 mm 20.67" 16.8 kg  
495 mm 19.49" 15.9 kg FC

42Cr:900-1150 N/mm<sup>2</sup>  
500 - 1000 kN/m max.

H=80 | R=1 | V=12 mm  
H=3.15 | R=0.039 | V=0.47 in



À utiliser avec:  
TOP.SP.134.24.12



FC: 495 mm - 19.48"

mm: 25-30-35-40-45-50-100-170

in: 0.98-1.18-1.37-1.57-1.77-1.97-3.94-9.84



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Vous pouvez utiliser le site web pour vérifier les délais de livraison, demander des devis, rester informé sur l'actualité, vérifier les prix et passer vos commandes directement en ligne.



| S mm | S in | A mm | A in | R.420 N/mm <sup>2</sup><br>kN/m | R.700 N/mm <sup>2</sup><br>kN/m |
|------|------|------|------|---------------------------------|---------------------------------|
| 0.6  | 0.02 | 3.0  | 0.12 | 90                              | 150                             |
| 0.8  | 0.03 | 3.0  | 0.12 | 120                             | 200                             |
| 1.0  | 0.04 | 3.5  | 0.14 | 150                             | 250                             |
| 1.25 | 0.05 | 3.5  | 0.14 | 170                             | 260                             |
| 1.5  | 0.06 | 4.6  | 0.18 | 220                             | 380                             |
| 2.0  | 0.08 | 5.5  | 0.22 | 300                             | 500                             |
| 2.5  | 0.10 | 6.5  | 0.26 | 550                             | -                               |
| 3.0  | 0.12 | 8.0  | 0.31 | 700                             | -                               |



| S mm | S in | A mm | A in | R.420 N/mm <sup>2</sup><br>kN/m | R.700 N/mm <sup>2</sup><br>kN/m |
|------|------|------|------|---------------------------------|---------------------------------|
| 0.6  | 0.02 | 3.0  | 0.12 | 230                             | 350                             |
| 0.8  | 0.03 | 3.0  | 0.12 | 320                             | 500                             |
| 1.0  | 0.04 | 3.5  | 0.14 | 400                             | 600                             |
| 1.25 | 0.05 | 3.5  | 0.14 | 500                             | 800                             |
| 1.5  | 0.06 | 4.6  | 0.18 | 630                             | 950                             |
| 2.0  | 0.08 | 5.5  | 0.22 | 800                             | 1300                            |
| 2.5  | 0.10 | 6.5  | 0.26 | 900                             | -                               |
| 3.0  | 0.12 | 8.0  | 0.31 | 1000                            | -                               |

### S101.35.06

835 mm 32.87" 30 kg  
415 mm 16.34" 15.4 kg

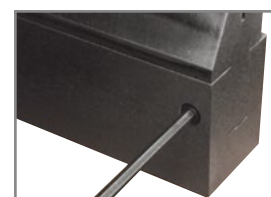
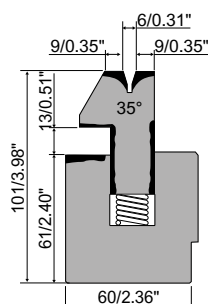
35° >

C45: 560-710 N/mm<sup>2</sup>  
600 kN/m max.

35°

H=101 | R=1 | V=6 mm

H=3.98 | R=0.039 | V=0.24 in



### S101.35.08

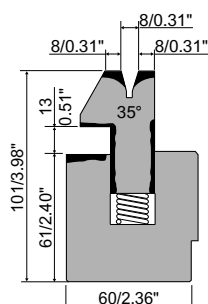
835 mm 32.87" 30 kg  
415 mm 16.34" 15 kg

C45: 560-710 N/mm<sup>2</sup>  
600 kN/m max.

35°

H=101 | R=1 | V=8 mm

H=3.98 | R=0.039 | V=0.31 in



### S101.35.10

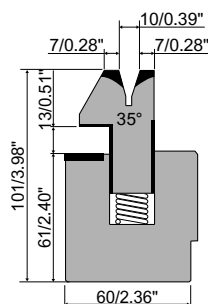
835 mm 32.87" 30 kg  
415 mm 16.34" 15.5 kg

C45: 560-710 N/mm<sup>2</sup>  
600 kN/m max.

35°

H=101 | R=1 | V=10 mm

H=3.98 | R=0.039 | V=0.39 in



Nos matrices pli écrasé peuvent également être utilisées comme de simples matrices : vous pouvez utiliser les vis positionnées aux extrémités pour bloquer la partie mobile en évitant la course du ressort.



Demandez les catalogues d'outils de poinçonneuses numériques et universelles (iron worker), des consommables laser, des outils pour panneauteuses et des lames de cisaille sur [www.rollerifrance.fr/catalogues.html](http://www.rollerifrance.fr/catalogues.html)

**S110.30.08**

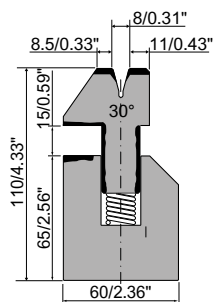
835 mm 32.87" 30 kg  
415 mm 16.34" 15 kg

**30° >**

C45: 560-710 N/mm<sup>2</sup>  
800 kN/m max.

30°

H=110 | R=1.5 | V=8 mm  
H=4.33 | R=0.059 | V=0.31 in

**S135.26.08**

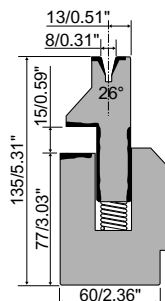
835 mm 32.87" 39.8 kg  
415 mm 16.34" 21 kg

**26° >**

42Cr: 900-1150 N/mm<sup>2</sup>  
400 kN/m max.

26°

H=135 | R=1.5 | V=8 mm  
H=5.31 | R=0.059 | V=0.31 in

**S135.26.10**

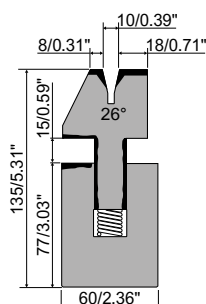
835 mm 32.87" 41.5 kg  
415 mm 16.34" 20.7 kg



C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

26°

H=135 | R=1.5 | V=10 mm  
H=5.31 | R=0.059 | V=0.39 in

**SA135.26.12**

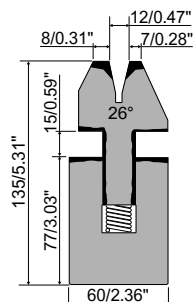
835 mm 32.87" 41 kg  
415 mm 16.34" 20.5 kg



C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

26°

H=135 | R=2 | V=10 mm  
H=5.31 | R=0.079 | V=0.39 in



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Vous pouvez utiliser le site web pour vérifier les délais de livraison, demander des devis, rester informé sur l'actualité, vérifier les prix et passer vos commandes directement en ligne.



Télécharger l'application de pliage Rolleri.

En plus de nombreux contenus intéressants, l'application gratuite contient l'outil de calcul du développement de la tôle et l'abaque de pliage. En outre, il contient un outil utile pour scanner les QRcodes de ce catalogue.





| S mm | S in | A mm | A in | R.420 N/mm <sup>2</sup><br>kN/m | R.700 N/mm <sup>2</sup><br>kN/m |
|------|------|------|------|---------------------------------|---------------------------------|
| 0.6  | 0.02 | 3.0  | 0.12 | 90                              | 150                             |
| 0.8  | 0.03 | 3.0  | 0.12 | 120                             | 200                             |
| 1.0  | 0.04 | 3.5  | 0.14 | 150                             | 250                             |
| 1.25 | 0.05 | 3.5  | 0.14 | 170                             | 260                             |
| 1.5  | 0.06 | 4.6  | 0.18 | 220                             | 380                             |
| 2.0  | 0.08 | 5.5  | 0.22 | 300                             | 500                             |
| 2.5  | 0.10 | 6.5  | 0.26 | 550                             | -                               |
| 3.0  | 0.12 | 8.0  | 0.31 | 700                             | -                               |



| S mm | S in | A mm | A in | R.420 N/mm <sup>2</sup><br>kN/m | R.700 N/mm <sup>2</sup><br>kN/m |
|------|------|------|------|---------------------------------|---------------------------------|
| 0.6  | 0.02 | 3.0  | 0.12 | 230                             | 350                             |
| 0.8  | 0.03 | 3.0  | 0.12 | 320                             | 500                             |
| 1.0  | 0.04 | 3.5  | 0.14 | 400                             | 600                             |
| 1.25 | 0.05 | 3.5  | 0.14 | 500                             | 800                             |
| 1.5  | 0.06 | 4.6  | 0.18 | 630                             | 950                             |
| 2.0  | 0.08 | 5.5  | 0.22 | 800                             | 1300                            |
| 2.5  | 0.10 | 6.5  | 0.26 | 900                             | -                               |
| 3.0  | 0.12 | 8.0  | 0.31 | 1000                            | -                               |

### S101PN.35.06

835 mm 32.87" 30 kg  
415 mm 16.34" 15.5 kg

35° >

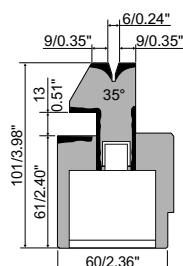


C45: 560-710 N/mm<sup>2</sup>  
600 kN/m max.

35°

H=101 | R=1 | V=6 mm

H=3.98 | R=0.039 | V=0.24 in



### S101PN.35.08

835 mm 32.87" 31 kg  
415 mm 16.34" 15.5 kg

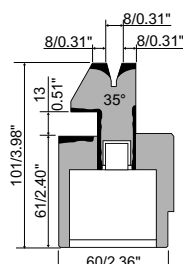


C45: 560-710 N/mm<sup>2</sup>  
600 kN/m max.

35°

H=101 | R=1 | V=8 mm

H=3.98 | R=0.039 | V=0.31 in



### S101PN.35.10

835 mm 32.87" 29.0 kg  
415 mm 16.34" 15.5 kg

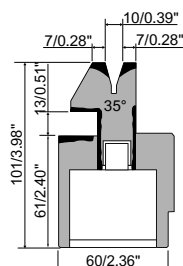


C45: 560-710 N/mm<sup>2</sup>  
600 kN/m max.

35°

H=101 | R=1 | V=10 mm

H=3.98 | R=0.039 | V=0.39 in



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KPN

1 kg



**S110PN.30.08**

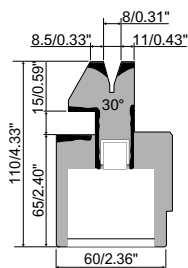
835 mm 32.87" 30 kg  
415 mm 16.34" 15 kg

**30° >**

C45: 560-710 N/mm<sup>2</sup>  
800 kN/m max.

30°

H=110 | R=1.5 | V=8 mm  
H=4.33 | R=0.059 | V=0.31 in

**S135PN.26.08**

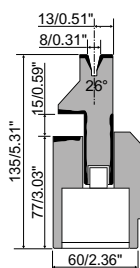
835 mm 32.87" 39.8 kg  
415 mm 16.34" 21.2 kg

**26° >**

42Cr: 900-1150 N/mm<sup>2</sup>  
400 kN/m max.

26°

H=135 | R=1.5 | V=8 mm  
H=5.31 | R=0.059 | V=0.31 in

**S135PN.26.10**

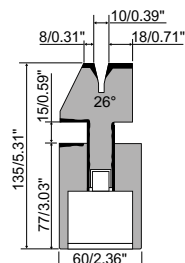
835 mm 32.87" 41.5 kg  
415 mm 16.34" 20.7 kg



C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

26°

H=135 | R=1.5 | V=10 mm  
H=5.31 | R=0.059 | V=0.39 in

**SA135PN.26.12**

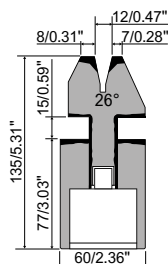
835 mm 32.87" 41.5 kg  
415 mm 16.34" 20.5 kg



C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

26°

H=135 | R=2 | V=12 mm  
H=5.31 | R=0.079 | V=0.47 in



Le kit de matrice pli écrasé pneumatique KPN est un dispositif capable de gérer l'ouverture et la fermeture de la partie supérieure de la matrice en mode automatique. À l'intérieur se trouve une électrovanne qui reçoit le signal directement de la CNC de la presse plieuse.

Grâce à cette entrée, l'électrovanne ouvre ou ferme le flux d'air. Cette fonction est très importante car elle donne à l'opérateur la possibilité de gérer la séquence de pliage de manière optimale avec un gain de temps et de sécurité.



| S mm | S in | A mm | A in | R.420 N/mm <sup>2</sup><br>kN/m | R.700 N/mm <sup>2</sup><br>kN/m |
|------|------|------|------|---------------------------------|---------------------------------|
| 0.6  | 0.02 | 3.0  | 0.12 | 90                              | 150                             |
| 0.8  | 0.03 | 3.0  | 0.12 | 120                             | 200                             |
| 1.0  | 0.04 | 3.5  | 0.14 | 150                             | 250                             |
| 1.25 | 0.05 | 3.5  | 0.14 | 170                             | 260                             |
| 1.5  | 0.06 | 4.6  | 0.18 | 220                             | 380                             |
| 2.0  | 0.08 | 5.5  | 0.22 | 300                             | 500                             |
| 2.5  | 0.10 | 6.5  | 0.26 | 550                             | -                               |
| 3.0  | 0.12 | 8.0  | 0.31 | 700                             | -                               |



| S mm | S in | A mm | A in | R.420 N/mm <sup>2</sup><br>kN/m | R.700 N/mm <sup>2</sup><br>kN/m |
|------|------|------|------|---------------------------------|---------------------------------|
| 0.6  | 0.02 | 3.0  | 0.12 | 230                             | 350                             |
| 0.8  | 0.03 | 3.0  | 0.12 | 320                             | 500                             |
| 1.0  | 0.04 | 3.5  | 0.14 | 400                             | 600                             |
| 1.25 | 0.05 | 3.5  | 0.14 | 500                             | 800                             |
| 1.5  | 0.06 | 4.6  | 0.18 | 630                             | 950                             |
| 2.0  | 0.08 | 5.5  | 0.22 | 800                             | 1300                            |
| 2.5  | 0.10 | 6.5  | 0.26 | 900                             | -                               |
| 3.0  | 0.12 | 8.0  | 0.31 | 1000                            | -                               |

Les nouveaux systèmes TOP.SC.130 et TOP.SC.130PN sont nés pour répondre aux plis et bords d'épaisseurs supérieures à 20/10, de manière compatible avec la force de la presse plieuse.

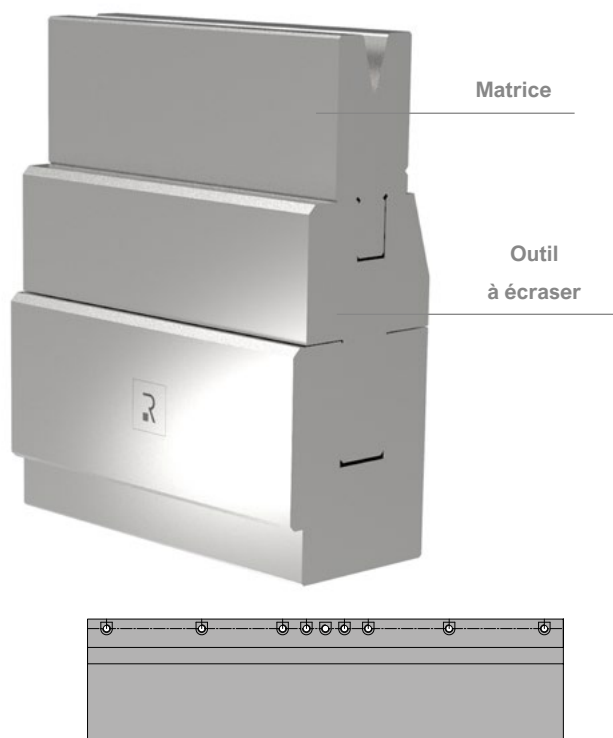
Avec cette solution, nous pouvons utiliser les matrices SM55.12.30 et SM55.14.30 fabriquées en 42CrMo4 avec des corps de dimensions majorées, dont les capacités atteignent 1000 kN/m pour permettre l'opération de bordure en toute sécurité.

Les matrices sont interchangeables et ont une accroche de type R2 de 13 mm.

Toutes les matrices standard peuvent être montées à l'intérieur du TOP.SC.130.

La fixation se fait au moyen des vis placées devant l'opérateur. Une autre caractéristique importante est l'ouverture de la partie mobile qui est de 18mm pour permettre une insertion plus facile de la tôle après le pré-pli réduisant l'effet de ressort et l'effet "d'éjection".

La solution est fournie selon des modules de 500 mm dans les 2 versions : à ressorts (avec verrouillage mécanique de la partie mobile) ou à commande pneumatique également par la CNC de la presse plieuse. Le poinçon idéal pour ce système est le TOP150.30.R12.



### TOP.SC.130

500 mm 19.68" 8.0 kg

42Cr:900-1150 N/mm<sup>2</sup>

1000 kN/m max.

H=130 mm

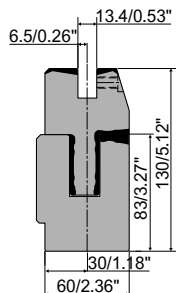
H=5.12 in

Version avec ressorts

NEW



À utiliser avec:  
TOP150.30.R12



### TOP.SC.130PN

500 mm 19.68" 30 kg

42Cr:900-1150 N/mm<sup>2</sup>

1000 kN/m max.

H=130 mm

H=5.12 in

Version pneumatique

NEW



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### KPN

1 kg



### SM55.12.30/C

|         |        |           |
|---------|--------|-----------|
| 1000 mm | 39.37" | 16.0 kg   |
| 500 mm  | 19.68" | 8.0 kg    |
| 1100 mm | 43.31" | 17.6 kg F |

30° &gt;



À utiliser avec:

TOP.SC.130

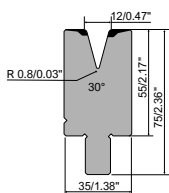
TOP.SC.130PN

42Cr:900-1150 N/mm<sup>2</sup>

Pliage: 500 kN/m max.

Plis écrasés: 900 kN/m max.

NEW



### SM55.14.30/C

|         |        |           |
|---------|--------|-----------|
| 1000 mm | 39.37" | 19.0 kg   |
| 500 mm  | 19.68" | 9.5 kg    |
| 1100 mm | 43.31" | 20.9 kg F |



À utiliser avec:

TOP.SC.130

TOP.SC.130PN

42Cr:900-1150 N/mm<sup>2</sup>

Pliage: 600 kN/m max.

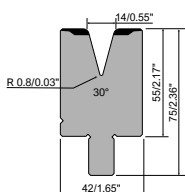
Plis écrasés: 1000 kN/m max.

30°

W=55 | H=75 | R=3.0 | V=14 mm

W=2.17 | H=2.36 | R=0.12 | V=0.55 in

NEW



### BMR55.06.30/C

|        |        |      |
|--------|--------|------|
| 500 mm | 19.68" | 4 kg |
|--------|--------|------|

42Cr: 900-1150 N/mm<sup>2</sup>

350 kN/m max.

30°

W=55 | H=75 | R=0.6 | V=6 mm

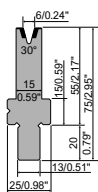
W=2.17 | H=2.36 | R=0.024 | V=0.24 in



À utiliser avec:

TOP.SC.130

TOP.SC.130PN



### BMR55.08.30/C

|        |        |      |
|--------|--------|------|
| 500 mm | 19.68" | 4 kg |
|--------|--------|------|

42Cr: 900-1150 N/mm<sup>2</sup>

200 kN/m max.

30°

W=55 | H=75 | R=0.8 | V=8 mm

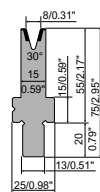
W=2.17 | H=2.36 | R=0.031 | V=0.31 in



À utiliser avec:

TOP.SC.130

TOP.SC.130PN



### BMR55.10.30/C

|        |        |      |
|--------|--------|------|
| 500 mm | 19.68" | 5 kg |
|--------|--------|------|

42Cr: 900-1150 N/mm<sup>2</sup>

350 kN/m max.

30°

W=55 | H=75 | R=1.0 | V=10 mm

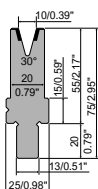
W=2.17 | H=2.36 | R=0.039 | V=0.39 in



À utiliser avec:

TOP.SC.130

TOP.SC.130PN



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F: 1100 mm - 43.31"

mm: 400-200-100-100-75-60-50-40-30-20-15-10

in: 15.75-7.87-3.94-3.94-2.95-2.36-1.97-1.57-1.18-0.78-0.59-0.39



## 12100

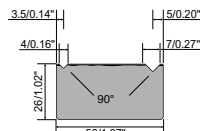
835 mm 32.87" 8.4 kg  
415 mm 16.34" 4.2 kg

90° &gt;

C45: 560-710 N/mm<sup>2</sup>  
600 kN/m max.

90°

H=26 | R=0.4 | V=4 mm  
H=26 | R=0.4 | V=7 mm  
H=1.02 | R=0.016 | V=0.16 in  
H=1.02 | R=0.016 | V=0.28 in



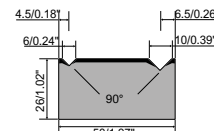
## 12300

835 mm 32.87" 8.0 kg  
415 mm 16.34" 3.9 kg

C45: 560-710 N/mm<sup>2</sup>  
700 kN/m max.

90°

H=26 | R=0.4 | V=6 mm  
H=26 | R=0.6 | V=10 mm  
H=1.02 | R=0.016 | V=0.24 in  
H=1.02 | R=0.024 | V=0.39 in



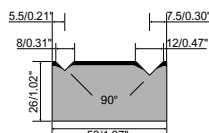
## 12400

835 mm 32.87" 8.0 kg  
415 mm 16.34" 3.9 kg

C45: 560-710 N/mm<sup>2</sup>  
800 kN/m max.

90°

H=26 | R=0.5 | V=8 mm  
H=26 | R=0.8 | V=12 mm  
H=1.02 | R=0.020 | V=0.31 in  
H=1.02 | R=0.031 | V=0.47 in



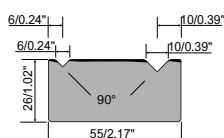
## 31100

835 mm 32.87" 9.1 kg  
415 mm 16.34" 4.5 kg

C45: 560-710 N/mm<sup>2</sup>  
800 kN/m max.

90°

H=26 | R=1.5 | V=6 mm  
H=26 | R=2.5 | V=10 mm  
H=1.02 | R=0.06 | V=0.24 in  
H=1.02 | R=0.098 | V=0.39 in



## 12106

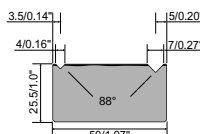
835 mm 32.87" 8.4 kg  
415 mm 16.34" 4.2 kg

88° &gt;

C45: 560-710 N/mm<sup>2</sup>  
600 kN/m max.

88°

H=25.5 | R=0.4 | V=4 mm  
H=25.5 | R=0.4 | V=7 mm  
H=1.00 | R=0.016 | V=0.16 in  
H=1.00 | R=0.016 | V=0.28 in



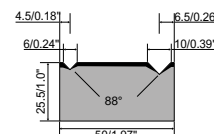
## 12306

835 mm 32.87" 8.0 kg  
415 mm 16.34" 3.9 kg

C45: 560-710 N/mm<sup>2</sup>  
700 kN/m max.

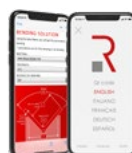
88°

H=25.5 | R=0.4 | V=6 mm  
H=25.5 | R=0.6 | V=10 mm  
H=1.00 | R=0.016 | V=0.24 in  
H=1.00 | R=0.024 | V=0.39 in



Les matrices de la série R1A sont fabriquées selon une norme dimensionnelle capable de les rendre compatibles avec celles d'Amada Style. Les amplitudes et rayons sur les V individuels correspondent parfaitement aux paramètres saisis dans les CNC des presses plieuses, de sorte que les programmes déjà générés ne nécessitent pas de modifications ou de corrections particulières.

Télécharger l'application de pliage **Rolleri**



En plus de nombreux contenus intéressants, l'application gratuite contient l'outil de calcul du développement de la tôle et l'abaque de pliage. En outre, il contient un outil utile pour scanner les QRcodes de ce catalogue.





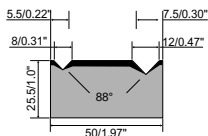
## 12406

835 mm 32.87" 8.4 kg  
415 mm 16.34" 7.8 kg

C45: 560-710 N/mm<sup>2</sup>  
800 kN/m max.

88°

H=25.5 | R=0.5 | V=8 mm  
H=25.5 | R=0.8 | V=12 mm  
H=1.00 | R=0.020 | V=0.31 in  
H=1.00 | R=0.031 | V=0.47 in



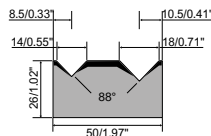
## 12500

835 mm 32.87" 7.7 kg  
415 mm 16.34" 3.8.0 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°

H=26 | R=0.5 | V=14 mm  
H=26 | R=0.5 | V=18 mm  
H=1.02 | R=0.020 | V=0.55 in  
H=1.02 | R=0.020 | V=0.71 in



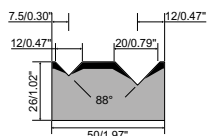
## 12600

835 mm 32.87" 7.5 kg  
415 mm 16.34" 3.7 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°

H=26 | R=0.5 | V=12 mm  
H=26 | R=0.5 | V=20 mm  
H=1.02 | R=0.020 | V=0.47 in  
H=1.02 | R=0.020 | V=0.79 in



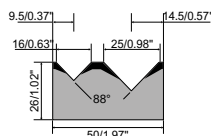
## 12700

835 mm 32.87" 7 kg  
415 mm 16.34" 3.4.0 kg

C45: 560-710 N/mm<sup>2</sup>  
700 kN/m max.

88°

H=26 | R=0.8 | V=16 mm  
H=26 | R=0.8 | V=25 mm  
H=1.02 | R=0.031 | V=0.63 in  
H=1.02 | R=0.031 | V=0.98 in



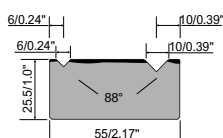
## 31106

835 mm 32.87" 8.9 kg  
415 mm 16.34" 4.4.0 kg

C45: 560-710 N/mm<sup>2</sup>  
800 kN/m max.

88°

H=25.5 | R=1.5 | V=6 mm  
H=25.5 | R=2.5 | V=10 mm  
H=1.00 | R=0.06 | V=0.24 in  
H=1.00 | R=0.098 | V=0.39 in



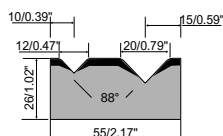
## 31400

835 mm 32.87" 7.5 kg  
415 mm 16.34" 3.7 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°

H=26 | R=3 | V=12 mm  
H=26 | R=4 | V=20 mm  
H=1.02 | R=0.118 | V=0.47 in  
H=1.02 | R=0.157 | V=0.79 in



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L'objectif du **manuel de pliage** est de fournir des éléments concrets et utiles pour arriver plus rapidement au résultat final. De multiples exemples, des formules simples et de nombreuses informations qui expliquent l'approche correcte du pliage.



## 30148

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 14.2 kg |    |
| 415 mm | 16.34" | 7.1 kg  |    |
| 795 mm | 31.29" | 13.5 kg | FX |
| 835 mm | 32.87" | 13.7 kg | FC |

90° &gt;

C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

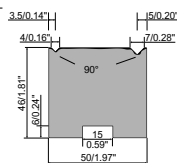
90°

H=46 | R=0.4 | V=4 mm

H=46 | R=0.4 | V=7 mm

H=1.81 | R=0.016 | V=0.16 in

H=1.81 | R=0.016 | V=0.28 in



## 30248

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 14.2 kg |    |
| 415 mm | 16.34" | 7.1 kg  |    |
| 795 mm | 31.29" | 13.5 kg | FX |
| 835 mm | 32.87" | 13.7 kg | FC |

C45: 560-710 N/mm<sup>2</sup>

700 kN/m max.

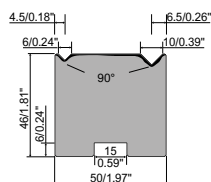
90°

H=46 | R=0.4 | V=6 mm

H=46 | R=0.6 | V=10 mm

H=1.81 | R=0.016 | V=0.24 in

H=1.81 | R=0.023 | V=0.39 in



## 30348

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 14.2 kg |    |
| 415 mm | 16.34" | 7.1 kg  |    |
| 795 mm | 31.29" | 13.5 kg | FX |
| 835 mm | 32.87" | 13.7 kg | FC |

C45: 560-710 N/mm<sup>2</sup>

700 kN/m max.

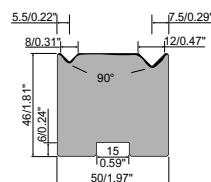
90°

H=46 | R=0.5 | V=8 mm

H=46 | R=0.8 | V=12 mm

H=1.81 | R=0.016 | V=0.31 in

H=1.81 | R=0.016 | V=0.47 in



## 50190

|        |        |          |    |
|--------|--------|----------|----|
| 835 mm | 32.87" | 9.7 kg   |    |
| 415 mm | 16.34" | 4.8.0 kg |    |
| 795 mm | 31.29" | 9.2 kg   | FX |
| 835 mm | 32.87" | 9.4.0 kg | FC |

C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

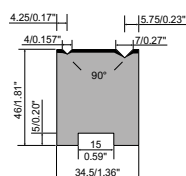
90°

H=46 | R=0.4 | V=4 mm

H=46 | R=0.4 | V=7 mm

H=1.81 | R=0.016 | V=0.16 in

H=1.81 | R=0.016 | V=0.28 in



## 50790

|        |        |          |    |
|--------|--------|----------|----|
| 835 mm | 32.87" | 10.0 kg  |    |
| 415 mm | 16.34" | 5.0 kg   |    |
| 795 mm | 31.29" | 9.5.0 kg | FX |
| 835 mm | 32.87" | 9.7 kg   | FC |

C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

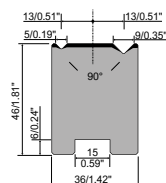
90°

H=46 | R=0.4 | V=5 mm

H=46 | R=0.6 | V=9 mm

H=1.81 | R=0.016 | V=0.196 in

H=1.81 | R=0.023 | V=0.35 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50-200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

FC: 835 mm - 32.87"

mm: 10-15-20-40-50-100-200-400

in: 0.39-0.59-0.78-1.57-1.96-3.94 -7.87-15.75





## 50290

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 10.3 kg    |
| 415 mm | 16.34" | 5.2 kg     |
| 795 mm | 31.29" | 10.0 kg FX |
| 835 mm | 32.87" | 10.1 kg FC |

C45: 560-710 N/mm<sup>2</sup>

700 kN/m max.

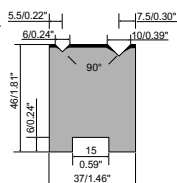
90°

H=46 | R=0.4 | V=6 mm

H=46 | R=0.6 | V=10 mm

H=1.81 | R=0.016 | V=0.24 in

H=1.81 | R=0.024 | V=0.39 in



## 50390

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 10.7 kg    |
| 415 mm | 16.34" | 5.3 kg     |
| 795 mm | 31.29" | 10.7 kg FX |
| 835 mm | 32.87" | 10.7 kg FC |

C45: 560-710 N/mm<sup>2</sup>

700 kN/m max.

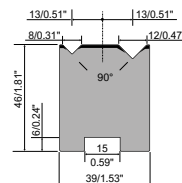
90°

H=46 | R=0.5 | V=8 mm

H=46 | R=0.8 | V=12 mm

H=1.81 | R=0.019 | V=0.31 in

H=1.81 | R=0.031 | V=0.47 in



## 30147

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 14.2 kg    |
| 415 mm | 16.34" | 7.1 kg     |
| 795 mm | 31.29" | 13.5 kg FX |
| 835 mm | 32.87" | 13.7 kg FC |

88° &gt;

C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

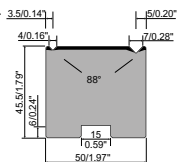
88°

H=45.5 | R=0.4 | V=4 mm

H=45.5 | R=0.4 | V=7 mm

H=1.79 | R=0.016 | V=0.16 in

H=1.79 | R=0.016 | V=0.27 in



## 30247

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 14.0 kg    |
| 415 mm | 16.34" | 8.4 kg     |
| 795 mm | 31.29" | 16.2 kg FX |
| 835 mm | 32.87" | 16.4 kg FC |

C45: 560-710 N/mm<sup>2</sup>

700 kN/m max.

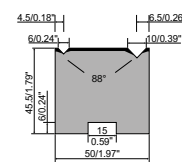
88°

H=45.5 | R=0.4 | V=6 mm

H=45.5 | R=0.6 | V=10 mm

H=1.79 | R=0.016 | V=0.24 in

H=1.79 | R=0.024 | V=0.39 in



## 30347

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 14.2 kg    |
| 415 mm | 16.34" | 7.1 kg     |
| 795 mm | 31.29" | 13.5 kg FX |
| 835 mm | 32.87" | 13.7 kg FC |

C45: 560-710 N/mm<sup>2</sup>

700 kN/m max.

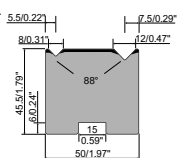
88°

H=45.5 | R=0.5 | V=8 mm

H=45.5 | R=0.8 | V=12 mm

H=1.79 | R=0.019 | V=0.31 in

H=1.79 | R=0.031 | V=0.47 in



## 30448

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 13.5 kg    |
| 415 mm | 16.34" | 6.7 kg     |
| 795 mm | 31.29" | 13.5 kg FX |
| 835 mm | 32.87" | 13.7 kg FC |

C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

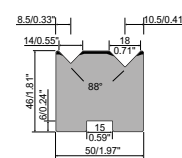
88°

H=46 | R=0.5 | V=14 mm

H=46 | R=0.5 | V=18 mm

H=1.81 | R=0.019 | V=0.55 in

H=1.81 | R=0.019 | V=0.71 in



## 30548

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 13.5 kg    |
| 415 mm | 16.34" | 6.7 kg     |
| 795 mm | 31.29" | 13.5 kg FX |
| 835 mm | 32.87" | 13.7 kg FC |

C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

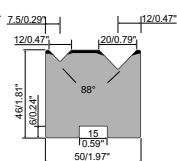
88°

H=46 | R=0.5 | V=12 mm

H=46 | R=0.5 | V=20 mm

H=1.81 | R=0.019 | V=0.47 in

H=1.81 | R=0.019 | V=0.79 in



## 30648

|        |        |            |
|--------|--------|------------|
| 835 mm | 32.87" | 12.9 kg    |
| 415 mm | 16.34" | 6.4 kg     |
| 795 mm | 31.29" | 13.5 kg FX |
| 835 mm | 32.87" | 13.7 kg FC |

C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

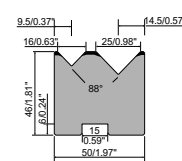
88°

H=46 | R=0.8 | V=16 mm

H=46 | R=0.8 | V=25 mm

H=1.81 | R=0.031 | V=0.63 in

H=1.81 | R=0.031 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50-200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

FC: 835 mm - 32.87"

mm: 10-15-20-40-50-100-200-400

in: 0.39-0.59-0.78-1.57-1.96-3.94 -7.87-15.75



## 50196

|        |        |          |    |
|--------|--------|----------|----|
| 835 mm | 32.87" | 9.5.0 kg |    |
| 415 mm | 16.34" | 4.8.0 kg |    |
| 795 mm | 31.29" | 9.5.0 kg | FX |
| 835 mm | 32.87" | 9.5.0 kg | FC |

Auto-centrée

C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

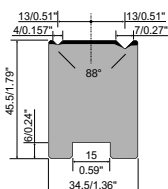
88°

H=45.5 | R=0.4 | V=4 mm

H=45.5 | R=0.4 | V=7 mm

H=1.79 | R=0.016 | V=0.16 in

H=1.79 | R=0.016 | V=0.28 in



## 50796

|        |        |          |    |
|--------|--------|----------|----|
| 835 mm | 32.87" | 10.0 kg  |    |
| 415 mm | 16.34" | 5.0 kg   |    |
| 795 mm | 31.29" | 9.5.0 kg | FX |
| 835 mm | 32.87" | 9.5.0 kg | FC |

Auto-centrée

C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

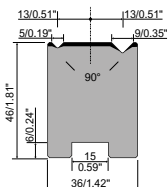
88°

H=45.5 | R=0.4 | V=5 mm

H=45.5 | R=0.6 | V=9 mm

H=1.79 | R=0.016 | V=0.2 in

H=1.79 | R=0.024 | V=0.35 in



## 50490

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 12 kg   |    |
| 415 mm | 16.34" | 5.3 kg  |    |
| 795 mm | 31.29" | 10.8 kg | FX |
| 835 mm | 32.87" | 10.8 kg | FC |

Auto-centrée

C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

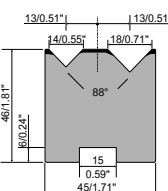
88°

H=46 | R=0.5 | V=14 mm

H=46 | R=0.5 | V=18 mm

H=1.81 | R=0.019 | V=0.55 in

H=1.81 | R=0.019 | V=0.71 in



## 50690

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 13 kg   |    |
| 415 mm | 16.34" | 6.5 kg  |    |
| 795 mm | 31.29" | 12.4 kg | FX |
| 835 mm | 32.87" | 12.6 kg | FC |

Auto-centrée

C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

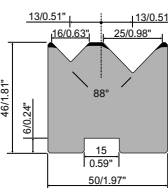
88°

H=46 | R=0.8 | V=16 mm

H=46 | R=0.8 | V=25 mm

H=1.81 | R=0.031 | V=0.63 in

H=1.81 | R=0.031 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

## 50296



Auto-centrée

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 10.4 kg |    |
| 415 mm | 16.34" | 5.2 kg  |    |
| 795 mm | 31.29" | 10.4 kg | FX |
| 835 mm | 32.87" | 10.4 kg | FC |

C45: 560-710 N/mm<sup>2</sup>

700 kN/m max.

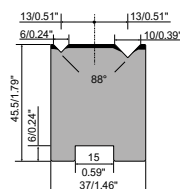
88°

H=45.5 | R=0.4 | V=6 mm

H=45.5 | R=0.6 | V=10 mm

H=1.76 | R=0.016 | V=0.24 in

H=1.76 | R=0.023 | V=0.39 in



## 50396



Auto-centrée

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 10.8 kg |    |
| 415 mm | 16.34" | 5.3 kg  |    |
| 795 mm | 31.29" | 10.8 kg | FX |
| 835 mm | 32.87" | 10.8 kg | FC |

C45: 560-710 N/mm<sup>2</sup>

700 kN/m max.

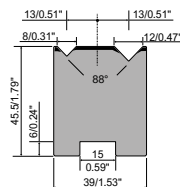
88°

H=45.5 | R=0.5 | V=8 mm

H=45.5 | R=0.8 | V=12 mm

H=1.79 | R=0.019 | V=0.31 in

H=1.79 | R=0.019 | V=0.47 in



## 50590



Auto-centrée

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 12.2 kg |    |
| 415 mm | 16.34" | 6.1 kg  |    |
| 795 mm | 31.29" | 12.2 kg | FX |
| 835 mm | 32.87" | 12.2 kg | FC |

C45: 560-710 N/mm<sup>2</sup>

700 kN/m max.

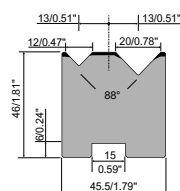
88°

H=46 | R=0.5 | V=12 mm

H=46 | R=0.5 | V=20 mm

H=1.81 | R=0.019 | V=0.47 in

H=1.81 | R=0.019 | V=0.78 in



FC: 835 mm - 32.87"

mm: 10-15-20-40-50-100-200-400

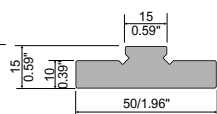
in: 0.39-0.59-0.78-1.57-1.96-3.94 -7.87-15.75



**30000**

835 mm 32.87" 3.7 kg  
415 mm 16.34" 1.9.0 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.



## Exemple d'utilisation

**33700**

835 mm 32.87" 13.3 kg  
415 mm 16.34" 5.6 kg

42Cr: 900-1500 N/mm<sup>2</sup>  
300 kN/m max.

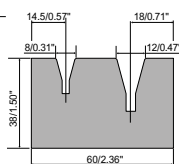
90°

R=1 | V=8 mm

R=1 | V=12 mm

R=0.039 | V=0.31 in

R=0.039 | V=0.47 in



Demandez les catalogues d'outils de poinçonneuses numériques et universelles (iron worker), des consommables laser, des outils pour panneauteuses et des lames de cisaille sur [www.rollerifrance.fr/catalogues.html](http://www.rollerifrance.fr/catalogues.html)



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Vous pouvez utiliser le site web pour vérifier les délais de livraison, demander des devis, rester informé sur l'actualité, vérifier les prix et passer vos commandes directement en ligne.

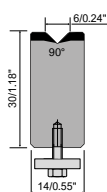
## 32000

835 mm 32.87" 3 kg  
415 mm 16.34" 1.50 kg

C45: 560-710 N/mm<sup>2</sup>  
950 kN/m max.

90°

H=30 | R=1.5 | V=6 mm  
H=1.18 | R=0.059 | V=0.24 in



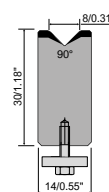
## 32100

835 mm 32.87" 3 kg  
415 mm 16.34" 1.50 kg

C45: 560-710 N/mm<sup>2</sup>  
950 kN/m max.

90°

H=30 | R=1.5 | V=8 mm  
H=1.18 | R=0.059 | V=0.31 in



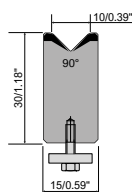
## 32300

835 mm 32.87" 3 kg  
415 mm 16.34" 1.50 kg

C45: 560-710 N/mm<sup>2</sup>  
950 kN/m max.

90°

H=60 | R=2 | V=10 mm  
H=2.36 | R=0.079 | V=0.39 in



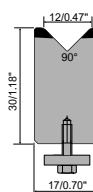
## 32600

835 mm 32.87" 2.9 kg  
415 mm 16.34" 1.50 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

90°

H=30 | R=2.5 | V=12 mm  
H=1.18 | R=0.098 | V=0.47 in



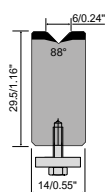
## 32006

835 mm 32.87" 3 kg  
415 mm 16.34" 1.50 kg

C45: 560-710 N/mm<sup>2</sup>  
950 kN/m max.

88°

H=29.5 | R=1.5 | V=6 mm  
H=1.16 | R=0.059 | V=0.24 in



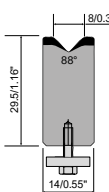
## 32106

835 mm 32.87" 3 kg  
415 mm 16.34" 1.50 kg

C45: 560-710 N/mm<sup>2</sup>  
950 kN/m max.

88°

H=29.5 | R=1.5 | V=8 mm  
H=2.36 | R=0.059 | V=0.31 in



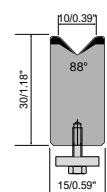
## 32200

835 mm 32.87" 3 kg  
415 mm 16.34" 1.50 kg

C45: 560-710 N/mm<sup>2</sup>  
950 kN/m max.

88°

H=30 | R=2 | V=10 mm  
H=1.18 | R=0.079 | V=0.39 in



Les matrices auto-centrées de la série R1A sont conçues pour être montées sur tous les supports de la série 33000.

Le pas des trous est standard.

Ce sont des matrices à 1 V qui s'autocentrent avec l'axe du poinçon, il est donc nécessaire d'effectuer une première descente sans tôle

pour mettre les matrices en position.

Vous pouvez ensuite les fixer au support et obtenir un bon alignement.



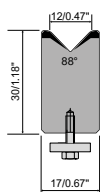
## 32400

835 mm 32.87" 3 kg  
415 mm 16.34" 1.5.0 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°

H=30 | R=2.5 | V=12 mm  
H=1.18 | R=0.098 | V=0.47



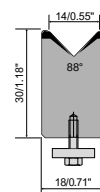
## 32500

835 mm 32.87" 3.3 kg  
415 mm 16.34" 1.6 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.

88°

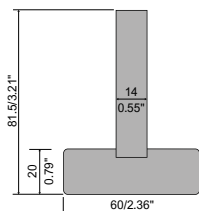
H=60 | R=2.5 | V=14 mm  
H=2.36 | R=0.098 | V=0.55



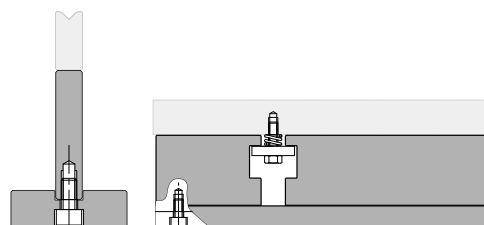
## 33000

835 mm 32.87" 12.7 kg  
415 mm 16.34" 6.3 kg

C45: 560-710 N/mm<sup>2</sup>  
1000 kN/m max.



## Exemple d'utilisation



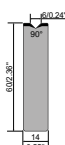
## 07000

835 mm 32.87" 5.5 kg  
415 mm 16.34" 2.7 kg  
795 mm 31.29" 5.2 kg FX  
835 mm 32.87" 5.3 kg F

C45: 560-710 N/mm<sup>2</sup>  
950 kN/m max.

90°

H=60 | R=1.5 | V=6 mm  
H=2.36 | R=0.059 | V=0.24 in



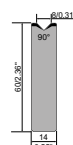
## 07100

835 mm 32.87" 5.5 kg  
415 mm 16.34" 2.7 kg  
795 mm 31.29" 5.2 kg FX  
835 mm 32.87" 5.3 kg F

C45: 560-710 N/mm<sup>2</sup>  
950 kN/m max.

90°

H=60 | R=1.5 | V=8 mm  
H=2.36 | R=0.059 | V=0.31 in



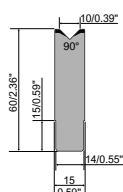
## 07300

835 mm 32.87" 6 kg  
415 mm 16.34" 3 kg  
795 mm 31.29" 5.3 kg FX  
835 mm 32.87" 5.4 kg F

C45: 560-710 N/mm<sup>2</sup>  
950 kN/m max.

90°

H=60 | R=2 | V=10 mm  
H=2.36 | R=0.079 | V=0.39 in



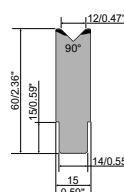
## 07500

835 mm 32.87" 6.1 kg  
415 mm 16.34" 3 kg  
795 mm 31.29" 5.8 kg FX  
835 mm 32.87" 5.9 kg F

C45: 560-710 N/mm<sup>2</sup>  
950 kN/m max.

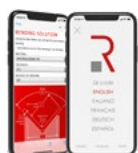
90°

H=60 | R=2.5 | V=12 mm  
H=2.36 | R=0.098 | V=0.47 in



## Télécharger l'application de pliage Roller

En plus de nombreux contenus intéressants, l'application gratuite contient l'outil de calcul du développement de la tôle et l'abaque de pliage. En outre, il contient un outil utile pour scanner les QRcodes de ce catalogue.

Créez votre compte sur [www.rollerifrance.fr](http://www.rollerifrance.fr)

Vous pouvez utiliser le site web pour vérifier les délais de livraison, demander des devis, rester informé sur l'actualité, vérifier les prix et passer vos commandes directement en ligne.



## 07006

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 5.5 kg |    |
| 415 mm | 16.34" | 2.7 kg |    |
| 795 mm | 31.29" | 5.2 kg | FX |
| 835 mm | 32.87" | 5.3 kg | FC |

88° &gt;

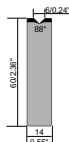
C45: 560-710 N/mm<sup>2</sup>

950 kN/m max.

88°

H=60 | R=1.5 | V=6 mm

H=2.36 | R=0.059 | V=0.24 in



## 07106

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 6 kg   |    |
| 415 mm | 16.34" | 3 kg   |    |
| 795 mm | 31.29" | 5.4 kg | FX |
| 835 mm | 32.87" | 5.5 kg | FC |

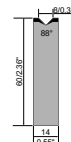
C45: 560-710 N/mm<sup>2</sup>

950 kN/m max.

88°

H=60 | R=1.5 | V=8 mm

H=2.36 | R=0.059 | V=0.31 in



## 07400

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 6 kg   |    |
| 415 mm | 16.34" | 3 kg   |    |
| 795 mm | 31.29" | 5.8 kg | FX |
| 835 mm | 32.87" | 5.9 kg | FC |

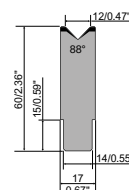
C45: 560-710 N/mm<sup>2</sup>

950 kN/m max.

88°

H=60 | R=2.5 | V=12 mm

H=2.36 | R=0.098 | V=0.31 in



## 07200

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 6 kg   |    |
| 415 mm | 16.34" | 3 kg   |    |
| 795 mm | 31.29" | 5.4 kg | FX |
| 835 mm | 32.87" | 5.5 kg | FC |

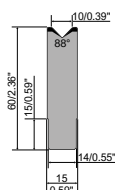
C45: 560-710 N/mm<sup>2</sup>

950 kN/m max.

88°

H=60 | R=2 | V=10 mm

H=2.36 | R=0.079 | V=0.39 in



## 07600

|        |        |        |    |
|--------|--------|--------|----|
| 835 mm | 32.87" | 6.1 kg |    |
| 415 mm | 16.34" | 3 kg   |    |
| 795 mm | 31.29" | 5.8 kg | FX |
| 835 mm | 32.87" | 5.9 kg | FC |

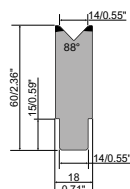
C45: 560-710 N/mm<sup>2</sup>

950 kN/m max.

88°

H=60 | R=2.5 | V=14 mm

H=2.36 | R=0.098 | V=0.55 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

FC: 835 mm - 32.87"

mm: 10-15-20-40-50-100-200-400

in: 0.39-0.59-0.78-1.57-1.96-3.94 -7.87-15.75





## 03500

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 21.7 kg |    |
| 415 mm | 16.34" | 10.8 kg |    |
| 795 mm | 31.29" | 21.7 kg | FX |
| 805 mm | 31.69" | 21.7 kg | F  |

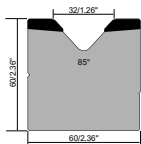
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=60 | R=4 | V=32 mm

H=2.36 | R=0.157 | V=1.26 in



## 03600

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 20.5 kg |    |
| 415 mm | 16.34" | 10.2 kg |    |
| 795 mm | 31.29" | 19.5 kg | FX |
| 805 mm | 31.69" | 19.7 kg | F  |

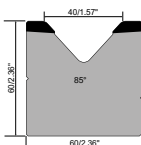
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=60 | R=4 | V=40 mm

H=2.36 | R=0.157 | V=1.57 in



## 03700

|        |        |          |    |
|--------|--------|----------|----|
| 835 mm | 32.87" | 18.9 kg  |    |
| 415 mm | 16.34" | 9.4.0 kg |    |
| 795 mm | 31.29" | 18.9 kg  | FX |
| 805 mm | 31.69" | 18.9 kg  | F  |

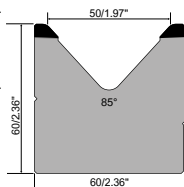
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=60 | R=4 | V=50 mm

H=2.36 | R=0.157 | V=1.97 in



## 03800

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 29.2 kg |    |
| 415 mm | 16.34" | 14.5 kg |    |
| 795 mm | 31.29" | 29.2 kg | FX |
| 805 mm | 31.69" | 29.2 kg | F  |

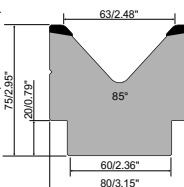
C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

85°

H=75 | R=5 | V=63 mm

H=2.95 | R=0.196 | V=2.48 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



## 01360

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 42.6 kg |    |
| 415 mm | 16.34" | 21.2 kg |    |
| 795 mm | 31.29" | 42.6 kg | FX |
| 805 mm | 31.69" | 42.6 kg | F  |

85° &gt;

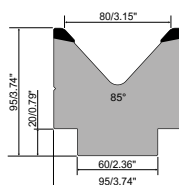
C45: 560-710 N/mm<sup>2</sup>

700 kN/m max.

85°

H=95 | R=6 | V=80 mm

H=3.74 | R=0.236 | V=3.15 in



## 34200

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 19.2 kg |    |
| 415 mm | 16.34" | 9.6 kg  |    |
| 795 mm | 31.29" | 19.2 kg | FX |
| 805 mm | 31.69" | 19.2 kg | F  |

45° &gt;

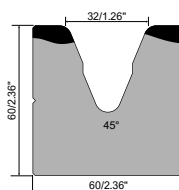
C45: 560-710 N/mm<sup>2</sup>

400 kN/m max.

45°

H=60 | R=5 | V=32 mm

H=2.36 | R=0.196 | V=1.26 in



## 34300

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 32.7 kg |    |
| 415 mm | 16.34" | 16.2 kg |    |
| 795 mm | 31.29" | 31.1 kg | FX |
| 805 mm | 31.69" | 31.5 kg | F  |

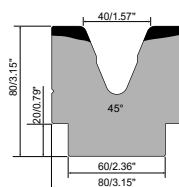
C45: 560-710 N/mm<sup>2</sup>

700 kN/m max.

45°

H=80 | R=5 | V=40 mm

H=3.15 | R=0.196 | V=1.57 in



## 34000

|        |        |         |    |
|--------|--------|---------|----|
| 835 mm | 32.87" | 21.5 kg |    |
| 415 mm | 16.34" | 10.7 kg |    |
| 795 mm | 31.29" | 21.5 kg | FX |
| 805 mm | 31.69" | 21.5 kg | F  |

30° &gt;

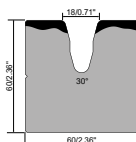
C45: 560-710 N/mm<sup>2</sup>

800 kN/m max.

30°

H=60 | R=3 | V=18 mm

H=2.36 | R=0.118 | V=0.71 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

In: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94

## 34100



835 mm 32.87" 21.7 kg  
 415 mm 16.34" 10.8 kg  
 795 mm 31.29" 21.7 kg FX  
 805 mm 31.69" 21.7 kg F

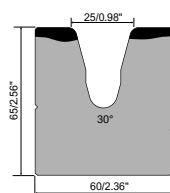
C45: 560-710 N/mm<sup>2</sup>

600 kN/m max.

30°

H=65 | R=4 | V=25 mm

H=2.56 | R=0.0.157 | V=0.98 in



## 05500

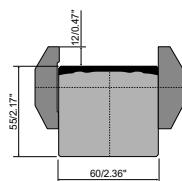


835 mm 32.87" 21.7 kg  
 415 mm 16.34" 10.8 kg

C45: 560-710 N/mm<sup>2</sup>

1000 kN/m max.

Support



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87



F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



Les matrices de la série CFH sont conçues pour compléter la gamme de poinçons CFH, garantissant la compatibilité dimensionnelle avec les modèles Amada. Deux lignes, une à 86 ° et une à 30 ° avec des longueurs standard de 835mm (32.87"), 510mm (20.08"), 415mm (16.34"), 200mm (7.87") et les différents fractionnements de 805, 795 et 370mm. De plus, pour répondre aux nouvelles exigences de pliage, le matériau utilisé pour la fabrication est le 42CrMo4 complété par un traitement thermique spécifique pour atteindre des valeurs de dureté capables d'augmenter significativement la «durée de vie» de l'outil.

Disponible sur demande:

510 mm | 20.08"

200 mm | 7.87"

370 mm | 14.57"

mm: 100-300-150-50-40-20-15-10-100

in: 3.94-11.81-5.90-1.96-1.57-0.79-0.59-0-59-0.39-3.94

### CFH60.06.86

835 mm 32.87" 5.1 kg  
415 mm 16.34" 2.5 kg  
800 mm 31.50" 4.8 kg F

42Cr:900-1500 N/mm<sup>2</sup>

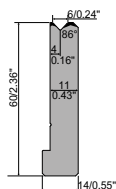
800 kN/m max.

86°

H=60 | R=1.5 | V=6 mm

H=2.36 | R=0.059 | V=0.23 in

**NEW**



### CFH60.08.86

835 mm 32.87" 5.1 kg  
415 mm 16.34" 2.5 kg  
800 mm 31.50" 4.8 kg F

42Cr:900-1500 N/mm<sup>2</sup>

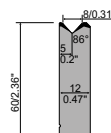
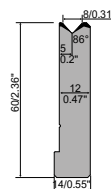
900 kN/m max.

86°

H=60 | R=1.5 | V=8 mm

H=2.36 | R=0.059 | V=0.31 in

**NEW**



### CFH60.10.86

835 mm 32.87" 5.3 kg  
415 mm 16.34" 2.6 kg  
800 mm 31.50" 5.0 kg F

42Cr:900-1500 N/mm<sup>2</sup>

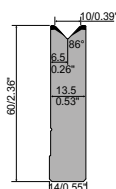
1000 kN/m max.

86°

H=60 | R=2 | V=10 mm

H=2.36 | R=0.079 | V=0.39 in

**NEW**



### CFH60.12.86

835 mm 32.87" 5.5 kg  
415 mm 16.34" 2.7 kg  
800 mm 31.50" 5.2 kg F

42Cr:900-1500 N/mm<sup>2</sup>

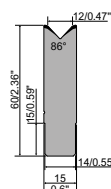
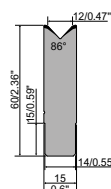
650 kN/m max.

86°

H=60 | R=2.5 | V=12 mm

H=2.36 | R=0.098 | V=0.47 in

**NEW**



### CFH60.14.86

835 mm 32.87" 6.2 kg  
415 mm 16.34" 3.0 kg  
800 mm 31.50" 5.8 kg F

42Cr:900-1500 N/mm<sup>2</sup>

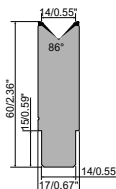
1000 kN/m max.

86°

H=60 | R=2.5 | V=14 mm

H=2.36 | R=0.098 | V=0.55 in

**NEW**



### CFH60.16.86

835 mm 32.87" 7.0 kg  
415 mm 16.34" 3.4 kg  
800 mm 31.50" 6.6 kg F

42Cr:900-1500 N/mm<sup>2</sup>

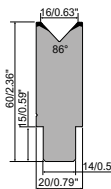
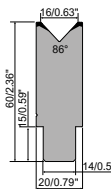
1000 kN/m max.

86°

H=60 | R=2.5 | V=16 mm

H=2.36 | R=0.098 | V=0.63 in

**NEW**



F: 800 mm - 21.49"

mm: 100-10-15-15-20-40-50-150-400

in: 3.94-0.39-0.59-0.59-0.79-1.57-1.97-5.90-15.74

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## CFH60.18.86

835 mm 32.87" 7.4 kg  
415 mm 16.34" 3.6 kg  
800 mm 31.50" 7.0 kg F

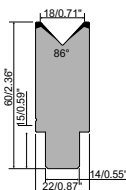
42Cr:900-1500 N/mm<sup>2</sup>  
1000 kN/m max.

86°

H=60 | R=2.5 | V=18 mm

H=2.36 | R=0.098 | V=0.71 in

NEW



## CFH60.20.86

835 mm 32.87" 8.0 kg  
415 mm 16.34" 3.9 kg  
800 mm 31.50" 7.5 kg F

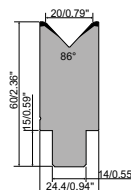
42Cr:900-1500 N/mm<sup>2</sup>  
1000 kN/m max.

86°

H=60 | R=3 | V=20 mm

H=2.36 | R=0.118 | V=0.79 in

NEW



## CFH60.25.86

835 mm 32.87" 9.5 kg  
415 mm 16.34" 4.6 kg  
800 mm 31.50" 9.0 kg F

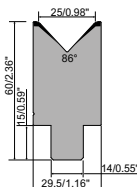
42Cr:900-1500 N/mm<sup>2</sup>  
1000 kN/m max.

86°

H=60 | R=3 | V=25 mm

H=2.36 | R=0.118 | V=0.98 in

NEW



## CFH.60.04.30

30° &gt;

835 mm 32.87" 5.8 kg  
415 mm 16.34" 2.9 kg  
800 mm 31.50" 5.6 kg F

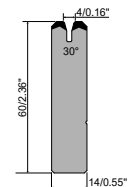
42Cr:900-1500 N/mm<sup>2</sup>  
300 kN/m max.

30°

H=60 | R=1 | V=4 mm

H=2.36 | R=0.039 | V=0.16 in

NEW



## CFH.60.06.30

835 mm 32.87" 6.3 kg  
415 mm 16.34" 3.1 kg  
800 mm 31.50" 6.0 kg F

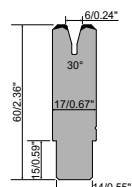
42Cr:900-1500 N/mm<sup>2</sup>  
300 kN/m max.

30°

H=60 | R=1 | V=6 mm

H=2.36 | R=0.039 | V=0.24 in

NEW



## CFH.60.08.30

835 mm 32.87" 6.8 kg  
415 mm 16.34" 3.4 kg  
800 mm 31.50" 6.6 kg F

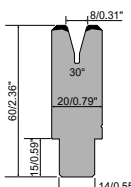
42Cr:900-1500 N/mm<sup>2</sup>  
350 kN/m max.

30°

H=60 | R=1.5 | V=8 mm

H=3.15 | R=0.059 | V=0.31 in

NEW



## CFH.60.10.30

835 mm 32.87" 8.0 kg  
415 mm 16.34" 3.9 kg  
800 mm 31.50" 7.7 kg F

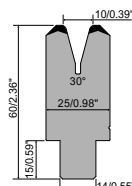
42Cr:900-1500 N/mm<sup>2</sup>  
350 kN/m max.

30°

H=60 | R=2 | V=10 mm

H=2.36 | R=0.079 | V=0.39 in

NEW



## CFH.60.12.30

835 mm 32.87" 9.2 kg  
415 mm 16.34" 4.6 kg  
800 mm 31.50" 8.8 kg F

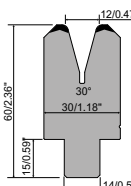
42Cr:900-1500 N/mm<sup>2</sup>  
350 kN/m max.

30°

H=60 | R=2.5 | V=12 mm

H=3.15 | R=0.098 | V=0.47 in

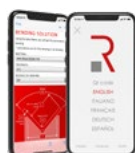
NEW



F: 800 mm - 21.49"

mm: 100-10-15-15-20-40-50-150-400

in: 3.94-0.39-0.59-0.59-0.79-1.57-1.97-5.90-15.74



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En plus de nombreux contenus intéressants, l'application gratuite contient l'outil de calcul du développement de la tôle et l'abaque de pliage. En outre, il contient un outil utile pour scanner les QRcodes de ce catalogue.



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