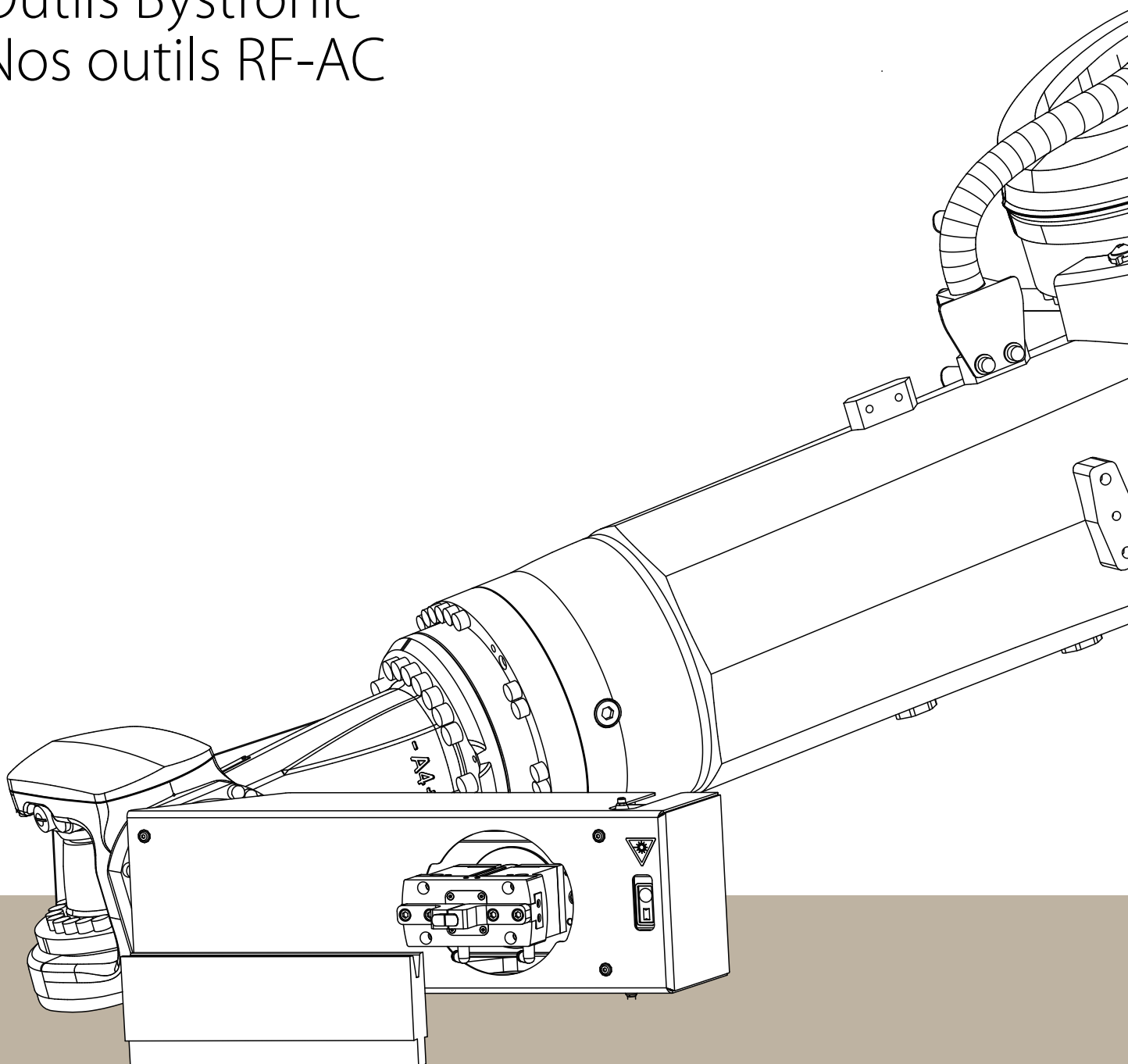


**Best choice.**

Découpe. Pliage. Automatisation.

**Bystronic**

# Outils Bystronic Nos outils RF-AC





# Table des Matières

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# Notions de base

## Symboles utilisés dans ce catalogue



dureté: 58 - 62 HRC



charge max. admissible



profondeur max. de caisse



poids



outil réversible

### **Les machines suivantes sont prises en compte dans ce catalogue:**

Xpert Tool Changer - XTC

Modular Tool Changer - MTC

Bending Cell - BC



# Bases de calcul pour le pliage en l'air

## Table des capacités pour le pliage en l'air

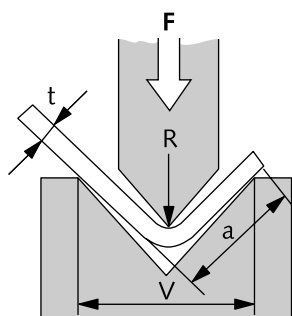
Les données fournies ont été calculées compte tenu du matériau à plier avec une résistance à la traction de  $R_m = 420 \text{ N/mm}^2$  sur une longueur de 1 m.

| V   | 6                                                 | 8   | 10  | 12  | 16   | 18  | 20   | 24   | 32   | 40  | 50   | 60  | 80   |
|-----|---------------------------------------------------|-----|-----|-----|------|-----|------|------|------|-----|------|-----|------|
| R   | 1                                                 | 1,2 | 1,6 | 2   | 2,5  | 2,8 | 3    | 3,5  | 5    | 6   | 8    | 9,5 | 12   |
| t   | F Force de pliage en kN/1 m de longueur de pliage |     |     |     |      |     |      |      |      |     |      |     |      |
| a   | Longueur d'aile de pliage minimale en mm          |     |     |     |      |     |      |      |      |     |      |     |      |
| 0,5 | 25                                                |     |     |     |      |     |      |      |      |     |      |     |      |
|     | 4,3                                               |     |     |     |      |     |      |      |      |     |      |     |      |
| 0,8 | 70                                                | 48  |     |     |      |     |      |      |      |     |      |     |      |
|     | 4,6                                               | 5,7 |     |     |      |     |      |      |      |     |      |     |      |
| 1   | 115                                               | 80  | 60  |     |      |     |      |      |      |     |      |     |      |
|     | 5                                                 | 6   | 7   |     |      |     |      |      |      |     |      |     |      |
| 1,2 |                                                   | 120 | 90  | 70  |      |     |      |      |      |     |      |     |      |
|     |                                                   | 6   | 7,5 | 8,5 |      |     |      |      |      |     |      |     |      |
| 1,5 |                                                   |     | 150 | 120 |      |     |      |      |      |     |      |     |      |
|     |                                                   |     | 8   | 9   |      |     |      |      |      |     |      |     |      |
| 2,0 |                                                   |     |     | 235 | 160  | 135 | 120  | 95   |      |     |      |     |      |
|     |                                                   |     |     | 10  | 12   | 13  | 14,5 | 17   |      |     |      |     |      |
| 2,5 |                                                   |     |     |     | 265  | 225 | 200  | 155  | 110  |     |      |     |      |
|     |                                                   |     |     |     | 12,5 | 14  | 15,5 | 17,5 | 23   |     |      |     |      |
| 3,0 |                                                   |     |     |     |      |     | 300  | 240  | 165  | 125 |      |     |      |
|     |                                                   |     |     |     |      |     | 15,5 | 17,5 | 23,5 | 28  |      |     |      |
| 4,0 |                                                   |     |     |     |      |     |      |      | 315  | 235 | 180  |     |      |
|     |                                                   |     |     |     |      |     |      |      | 25   | 29  | 35   |     |      |
| 5,0 |                                                   |     |     |     |      |     |      |      | 535  | 430 | 310  | 250 |      |
|     |                                                   |     |     |     |      |     |      |      | 26   | 31  | 35,5 | 43  |      |
| 6,0 |                                                   |     |     |     |      |     |      |      |      | 610 | 450  | 360 |      |
|     |                                                   |     |     |     |      |     |      |      |      | 32  | 36   | 44  |      |
| 8,0 |                                                   |     |     |     |      |     |      |      |      |     | 880  | 690 | 470  |
|     |                                                   |     |     |     |      |     |      |      |      |     | 40   | 46  | 57   |
| 10  |                                                   |     |     |     |      |     |      |      |      |     |      |     | 800  |
|     |                                                   |     |     |     |      |     |      |      |      |     |      |     | 60   |
| 12  |                                                   |     |     |     |      |     |      |      |      |     |      |     | 1200 |
|     |                                                   |     |     |     |      |     |      |      |      |     |      |     | 62   |
| 16  |                                                   |     |     |     |      |     |      |      |      |     |      |     |      |
| 18  |                                                   |     |     |     |      |     |      |      |      |     |      |     |      |
| 20  |                                                   |     |     |     |      |     |      |      |      |     |      |     |      |

Dans le cas de tôles avec écailles de laminage, la force de pliage est augmentée d'un facteur de 1,05 à 1,1



|                                                   |      |      |      |      |      |      |      |      |      |     |     |     |     |
|---------------------------------------------------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| 100                                               | 120  | 130  | 140  | 150  | 160  | 180  | 190  | 200  | 230  | 260 | 290 | 320 | V   |
| 15,5                                              | 19   | 21   | 23   | 24,5 | 26   | 28   | 30   | 32   | 36   | 40  | 45  | 50  | R   |
| F Force de pliage en kN/1 m de longueur de pliage |      |      |      |      |      |      |      |      |      |     |     |     | t   |
| a Longueur d'aile de pliage minimale en mm        |      |      |      |      |      |      |      |      |      |     |     |     |     |
|                                                   |      |      |      |      |      |      |      |      |      |     |     |     | 0,5 |
|                                                   |      |      |      |      |      |      |      |      |      |     |     |     | 0,8 |
|                                                   |      |      |      |      |      |      |      |      |      |     |     |     | 1   |
|                                                   |      |      |      |      |      |      |      |      |      |     |     |     | 1,2 |
|                                                   |      |      |      |      |      |      |      |      |      |     |     |     | 1,5 |
|                                                   |      |      |      |      |      |      |      |      |      |     |     |     | 2,0 |
|                                                   |      |      |      |      |      |      |      |      |      |     |     |     | 2,5 |
|                                                   |      |      |      |      |      |      |      |      |      |     |     |     | 3,0 |
|                                                   |      |      |      |      |      |      |      |      |      |     |     |     | 4,0 |
|                                                   |      |      |      |      |      |      |      |      |      |     |     |     | 5,0 |
|                                                   |      |      |      |      |      |      |      |      |      |     |     |     | 6,0 |
| 360                                               |      |      |      |      |      |      |      |      |      |     |     |     | 8,0 |
| 71                                                |      |      |      |      |      |      |      |      |      |     |     |     | 10  |
| 600                                               | 470  | 430  | 390  |      |      |      |      |      |      |     |     |     | 12  |
| 71                                                | 85   | 92   | 100  |      |      |      |      |      |      |     |     |     | 16  |
| 900                                               | 710  | 650  | 580  | 550  | 500  |      |      |      |      |     |     |     | 18  |
| 73                                                | 86   | 92   | 100  | 105  | 115  |      |      |      |      |     |     |     | 20  |
|                                                   | 1400 | 1250 | 1150 | 1050 | 950  | 810  | 800  | 710  | 600  |     |     |     |     |
|                                                   | 90   | 98   | 105  | 110  | 115  | 130  | 135  | 140  | 160  |     |     |     |     |
|                                                   |      |      | 1480 | 1350 | 1250 | 1100 | 1000 | 950  | 800  | 700 | 600 |     |     |
|                                                   |      |      | 105  | 110  | 120  | 130  | 135  | 140  | 160  | 180 | 205 |     |     |
|                                                   |      |      |      |      |      | 1400 | 1300 | 1200 | 1000 | 900 | 850 | 700 |     |
|                                                   |      |      |      |      |      | 135  | 140  | 145  | 165  | 180 | 205 | 225 |     |



Le rayon interne correspond environ à 16 % de l'ouverture de matrice en V.



# Bases de calcul pour le pliage en l'air

## Formules de calcul

Ouverture de matrice en V recommandée pour le pliage en l'air

|                         |   |            |        |         |         |
|-------------------------|---|------------|--------|---------|---------|
| Épaisseur de matériau   | t | 0,5–2,5 mm | 3–8 mm | 9–10 mm | > 12 mm |
| Ouverture de la matrice | V | 6 × t      | 8 × t  | 10 × t  | 12 × t  |

Force de pliage pour

|                  |                                        |                      |
|------------------|----------------------------------------|----------------------|
| Aluminium        | R <sub>m</sub> = 300 N/mm <sup>2</sup> | F = F (table) × 0,65 |
| Acier doux       | R <sub>m</sub> = 420 N/mm <sup>2</sup> | F = F (table)        |
| Acier inoxydable | R <sub>m</sub> = 700 N/mm <sup>2</sup> | F = F (table) × 1,6  |

Détermination de la force de pliage pour le pliage en l'air (données de référence)

$$F = \frac{R_m \times t^2}{V} \times \left(1 + \frac{4 \times t}{V}\right)$$

Conversion: R<sub>m</sub> = résistance à la traction en N/mm<sup>2</sup>

10 N = 1 kg

10 kN = 1 t

Conversion pour rayons minimaux internes R

|             |   |   |   |   |   |   |    |    |    |    |    |    |
|-------------|---|---|---|---|---|---|----|----|----|----|----|----|
| épaisseur t | 1 | 2 | 3 | 4 | 5 | 6 | 8  | 10 | 12 | 16 | 18 | 20 |
| R min.      | 1 | 2 | 3 | 5 | 6 | 8 | 12 | 16 | 20 | 28 | 36 | 40 |



## Résistance à la traction

| Matériau           |                | Résistance à la traction |                   |
|--------------------|----------------|--------------------------|-------------------|
| US                 | UE             | KPSI                     | N/mm <sup>2</sup> |
| 6061 Aluminum      | Alu 50         | 42                       | 290               |
| 5052 Aluminum      | Alu 35         | 44                       | 303               |
| 1010 Mild steel    | DC01           | 53                       | 366               |
| A536-80 G 60-40-18 | GGG-40         | 58                       | 400               |
| A 351 G CF 8       | G-X 6CrNi 18 9 | 65                       | 450               |
| A 572 G50          | S 355 MC       | 80                       | 550               |
| Domex 80           | S 420 MC       | 80                       | 550               |
| A 36               | S 235 JR       | 80                       | 552               |
| Inox 304           | Inox V2A       | 85                       | 586               |
| 316 Stainless      | Inox V4A       | 87                       | 600               |
| A 572 G 65         | S 460 MC       | 95                       | 655               |
| Domex 100          | S 500 MC       | 102                      | 700               |
| Domex 550          | S 550 MC       | 110                      | 760               |
| Domex 600          | S 600 MC       | 119                      | 820               |
| Weldox 700         | Weldox 700     | 123                      | 850               |
| Domex 650          | S 650 MC       | 128                      | 880               |
| Domex 700          | S 700 MC       | 138                      | 950               |
| 4140 Low alloy     | 42 CrMo 4      | 145                      | 1000              |
| Weldox 900         | Weldox 900     | 149                      | 1030              |
| Weldox 960         | Weldox 960     | 154                      | 1060              |
| Hardox 400         | Hardox 400     | 181                      | 1250              |
| Hardox 500         | Hardox 500     | 225                      | 1550              |

Veuillez vous adresser à votre conseiller pour connaître les matériaux de pliage à haute résistance.



# Bénéfices des outils évolués

## Automatisation intelligente en faveur d'un changement d'outils rapide et précis

- Gain de temps et qualité du pliage optimisée grâce au changement automatisé des outils supérieurs et inférieurs
- Positionnement précis et exempt d'erreurs des outils dans le dispositif de serrage des tabliers supérieur et inférieur, même avec des outils de grande taille (jusqu'à V80 / BC et jusqu'à V120 / MTC)
- Extension facile de l'outillage à tout moment: la technologie intelligente détecte automatiquement les nouveaux outils et les intègre dans le magasin d'outils
- La rotation automatique des outils supérieurs permet une plus grande diversité d'applications de pliage
- Grâce à une ergonomie poussée et à la compacité de l'installation, les outils demeurent toujours prêts dans la machine
- Manutention précise et délicate des pièces à plier grâce au nettoyage automatique de la table de pliage



### \* Poids d'outils maximal:

|              |                |
|--------------|----------------|
| Pince XTC    | - max. 15,0 kg |
| Pince BC/MTC | - max. 25,0 kg |





# Encoches

## Outils supérieurs

Les outils supérieurs sont pourvus d'encoches sur leur face arrière. Les poinçons asymétriques, par ex. P4 et P5, présentent également des encoches à l'avant. Les poinçons de types P2, P3, P4, P5, P6, P7, P8, P9, P11 et P900, d'une hauteur de 250 mm, sont possibles. Sur demande, des outils d'une hauteur de 350 mm sont également disponibles. Les longueurs de segmentation vont de 30 mm à 515 mm\*.

## Outils inférieurs

Les outils inférieurs sont pourvus d'une encoche sur leur face arrière. Ceci permet de manipuler les outils à l'aide d'un robot. Il est possible d'insérer des outils de V6 à V120\*\*.

Les longueurs de segmentation vont de 50 mm à 515 mm\*.



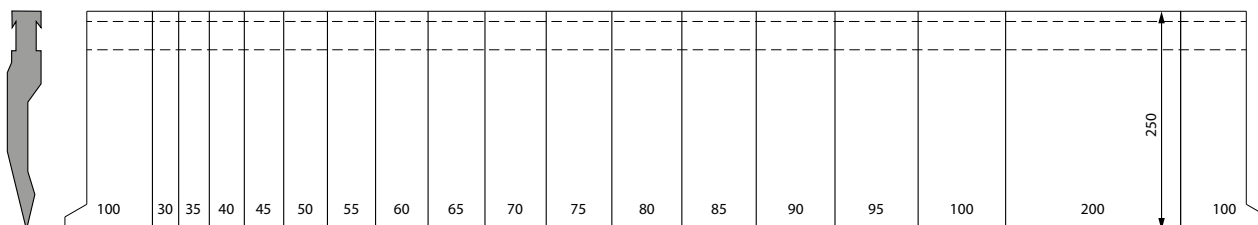
\* des composants de 515 mm env. sont disponibles sur demande ou sur BC/MTC

\*\* des inserts de matrice jusqu'à V80 sont compatibles avec XTC  
des inserts de matrice jusqu'à V120 sont compatibles avec BC/MTC



# Segmentations

applicables à Xpert Tool Changer, MTC et BC



| Outils supérieurs                       | Réf. article    |
|-----------------------------------------|-----------------|
| Poinçon P2 RF-AC/85° H=250 L=1375 sect. | 65208.0002.5000 |
| Poinçon P2 RF-AC/85° H=250 L=1375 sect. | 65208.0004.5000 |
| Poinçon P5 RF-AC/30° H=250 L=1375 sect. | 65208.0005.5000 |
| Poinçon P5 RF-AC/30° H=250 L=1375 sect. | 65208.0007.5000 |

Toutes les segmentations consistent dans les longueurs suivantes:

30 mm, 35 mm, 40 mm, 45 mm, 50 mm, 55 mm, 60 mm, 65 mm, 70 mm, 75 mm, 80 mm, 85 mm, 90 mm, 95 mm, 100 mm, 200 mm, bigornes 100 mm LH + RH

| Outils supérieurs                         | Réf. article    |
|-------------------------------------------|-----------------|
| Poinçon P11 RF-AC B=20 H=250 L=1175 sect. | 65208.0011.5000 |

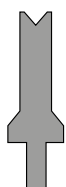
Les segmentations consistent dans les longueurs suivantes:

30 mm, 35 mm, 40 mm, 45 mm, 50 mm, 55 mm, 60 mm, 65 mm, 70 mm, 75 mm, 80 mm, 85 mm, 90 mm, 95 mm, 100 mm, 200 mm

| Outils inférieurs                         | Réf. article    |
|-------------------------------------------|-----------------|
| Insert de matrice V-Flat B40 L=1025 sect. | 65208.0000.5000 |

Les segmentations consistent dans les longueurs suivantes:

50 mm, 55 mm, 60 mm, 65 mm, 70 mm, 75 mm, 80 mm, 85 mm, 90 mm, 95 mm, 100 mm, 200 mm



|    |    |    |    |    |    |    |    |    |    |     |     |
|----|----|----|----|----|----|----|----|----|----|-----|-----|
| 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | 200 |
|    |    |    |    |    |    |    |    |    |    |     |     |

| Outils inférieurs           |              | Réf. article    |
|-----------------------------|--------------|-----------------|
| Insert de matrice V6C/30°   | L=1025 sect. | 64208.0006.5000 |
| Insert de matrice V8C/30°   | L=1025 sect. | 64208.0008.5000 |
| Insert de matrice V10C/30°  | L=1025 sect. | 64208.0010.5000 |
| Insert de matrice V12C/30°  | L=1025 sect. | 64208.0012.5000 |
| Insert de matrice V16C/30°  | L=1025 sect. | 64208.0020.5000 |
| Insert de matrice V20C/30°  | L=1025 sect. | 64208.0020.5000 |
| Insert de matrice V24C/30°  | L=1025 sect. | 64208.0024.5000 |
| Insert de matrice V32C/30°  | L=1025 sect. | 64208.0032.5000 |
| Insert de matrice V40C/60°  | L=1025 sect. | 64208.0040.5000 |
| Insert de matrice V40C/60°  | L=1025 sect. | 64208.0050.5000 |
| Insert de matrice V60C/60°  | L=1025 sect. | 64208.0060.5000 |
| Insert de matrice V80C/80°  | L=1025 sect. | 64208.0080.5000 |
| Insert de matrice V100C/80° | L=1025 sect. | 64208.0100.5000 |
| Insert de matrice V120C/80° | L=1025 sect. | 64208.0120.5000 |
|                             |              |                 |
| Insert de matrice V6SC/30°  | L=1025 sect. | 64208.0006.5100 |
| Insert de matrice V8SC/30°  | L=1025 sect. | 64208.0008.5100 |
| Insert de matrice V10SC/30° | L=1025 sect. | 64208.0010.5100 |
| Insert de matrice V12SC/30° | L=1025 sect. | 64208.0012.5100 |

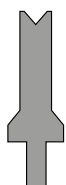
Toutes les segmentations consistent dans les longueurs suivantes:

50 mm, 55 mm, 60 mm, 65 mm, 70 mm, 75 mm, 80 mm, 85 mm, 90 mm, 95 mm, 100 mm, 200 mm

**\* Des outils inférieurs jusqu'à V80 sont applicables à XTC**  
**Des outils inférieurs jusqu'à V120 sont applicables à BC/MTC**



# Segmentations



|    |    |    |    |    |    |    |    |    |    |     |     |
|----|----|----|----|----|----|----|----|----|----|-----|-----|
| 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | 200 |
|    |    |    |    |    |    |    |    |    |    |     |     |

| Outils inférieurs                             | Réf. article    |
|-----------------------------------------------|-----------------|
| Insert de matrice V6C/30° H=100 L=1025 sect.  | 64208.0006.5031 |
| Insert de matrice V8C/30° H=100 L=1025 sect.  | 64208.0008.5165 |
| Insert de matrice V10C/30° H=100 L=1025 sect. | 64208.0010.5031 |
| Insert de matrice V12C/30° H=100 L=1025 sect. | 64208.0012.5030 |
| Insert de matrice V16C/30° H=100 L=1025 sect. | 64208.0020.5040 |
| Insert de matrice V20C/30° H=100 L=1025 sect. | 64208.0020.5030 |
| Insert de matrice V24C/30° H=100 L=1025 sect. | 64208.0024.5031 |
| Insert de matrice V32C/30° H=100 L=1025 sect. | 64208.0032.5030 |
| Insert de matrice V40C/60° H=100 L=1025 sect. | 64208.0040.5030 |
| Insert de matrice V50C/60° H=100 L=1025 sect. | 64208.0050.5030 |
| Insert de matrice V60C/60° H=100 L=1025 sect. | 64208.0060.5030 |
| Insert de matrice V80C/80° H=100 L=1025 sect. | 64208.0080.5030 |

Toutes les segmentations consistent dans les longueurs suivantes:

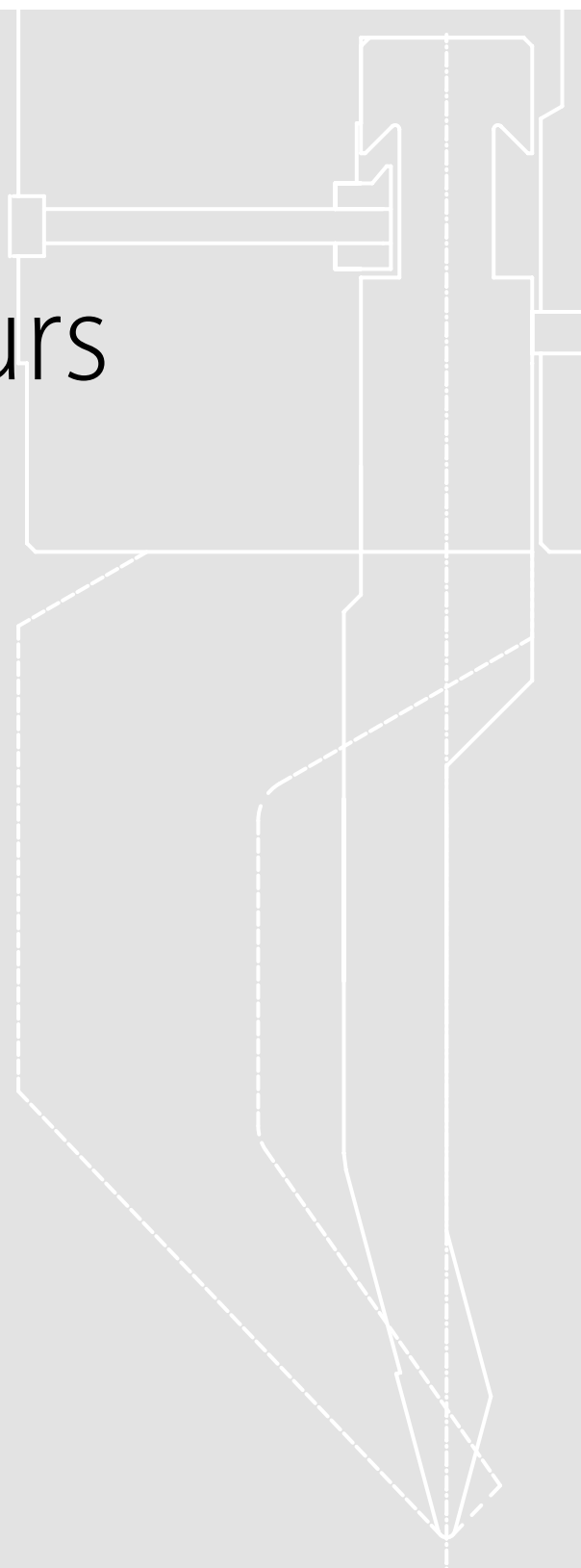
50 mm, 55 mm, 60 mm, 65 mm, 70 mm, 75 mm, 80 mm, 85 mm, 90 mm, 95 mm, 100 mm, 200 mm

**\* Des outils inférieurs jusqu'à V80 sont applicables à XTC**  
**Des outils inférieurs jusqu'à V120 sont applicables à BC/MTC**





# Outils supérieurs

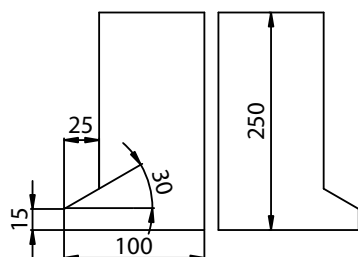






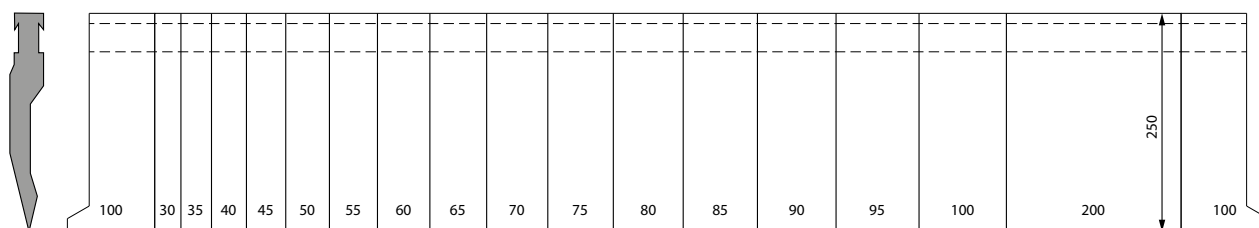
# Segments d'outils supérieurs

Bigornes RF-AC



Poinçon RF-AC L= 1375 sect.

(30+35+40+45+50+60+65+70+75+80+85+90+95+100+200 +Bigornes l+r)



Segmentations spéciales sur demande.

Tous les outils supérieurs sont disponibles sur demande avec des rayons différents.

## Poids d'outils maximal:

Pince XTC - max. 15,0 kg

Pince BC/MTC - max. 25,0 kg





## Modular Tool Changer

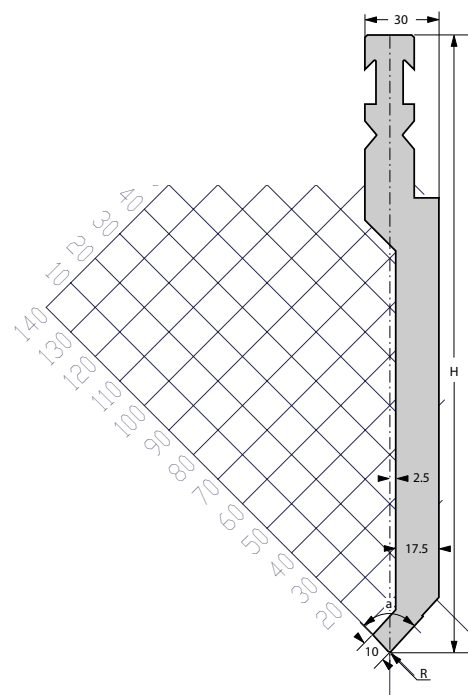


## Bending Cell





# P2 RF-AC/85° H250



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 1,0 |
| Angle de pointe  | 85° |
| [H] Hauteur (mm) | 250 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 30 mm             | 65208.0002.5001 |
| 35 mm             | 65208.0002.5002 |
| 40 mm             | 65208.0002.5003 |
| 45 mm             | 65208.0002.5004 |
| 50 mm             | 65208.0002.5005 |
| 55 mm             | 65208.0002.5006 |
| 60 mm             | 65208.0002.5007 |
| 65 mm             | 65208.0002.5008 |
| 70 mm             | 65208.0002.5015 |
| 75 mm             | 65208.0002.5016 |
| 80 mm             | 65208.0002.5017 |

| Longueur standard         | Réf. article    |
|---------------------------|-----------------|
| 85 mm                     | 65208.0002.5018 |
| 90 mm                     | 65208.0002.5019 |
| 95 mm                     | 65208.0002.5020 |
| 100 mm                    | 65208.0002.5011 |
| 200 mm                    | 65208.0002.5012 |
| 275 mm                    | 65208.0002.5013 |
| 300 mm                    | 65208.0002.5014 |
| 515 mm                    | 65208.0002.5019 |
| Paire de bigornes LH + RH | 65208.0002.7001 |
| Bigorne LH                | 65208.0002.7002 |
| Bigorne RH                | 65208.0002.7003 |



F<sub>max</sub> = 1000 kN/m



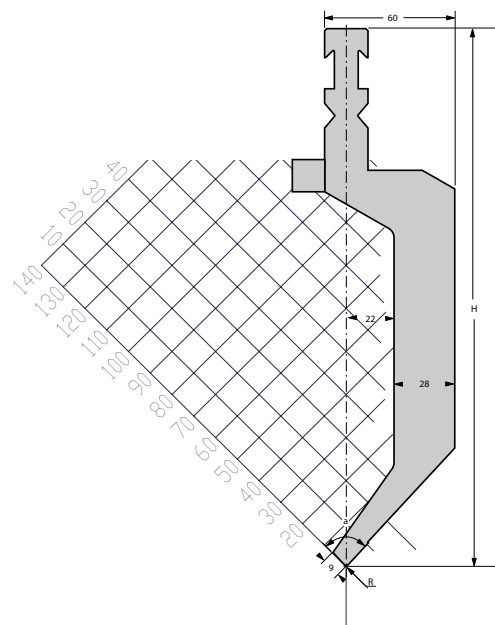
34,4 kg/m



98,0 mm



# P2 RF-AC/85° H250



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 1,5 |
| Angle de pointe  | 85° |
| [H] Hauteur (mm) | 250 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 30 mm             | 65208.0004.5001 |
| 35 mm             | 65208.0004.5002 |
| 40 mm             | 65208.0004.5003 |
| 45 mm             | 65208.0004.5004 |
| 50 mm             | 65208.0004.5005 |
| 55 mm             | 65208.0004.5006 |
| 60 mm             | 65208.0004.5007 |
| 65 mm             | 65208.0004.5008 |
| 70 mm             | 65208.0004.5015 |
| 75 mm             | 65208.0004.5016 |
| 80 mm             | 65208.0004.5017 |

| Longueur standard         | Réf. article    |
|---------------------------|-----------------|
| 85 mm                     | 65208.0004.5018 |
| 90 mm                     | 65208.0004.5019 |
| 95 mm                     | 65208.0004.5020 |
| 100 mm                    | 65208.0004.5011 |
| 200 mm                    | 65208.0004.5012 |
| 275 mm                    | 65208.0004.5013 |
| 300 mm                    | 65208.0004.5014 |
| Paire de bigornes LH + RH | 65208.0004.7003 |
| Bigorne LH                | 65208.0004.7001 |
| Bigorne RH                | 65208.0004.7002 |



F max = 600 kN/m



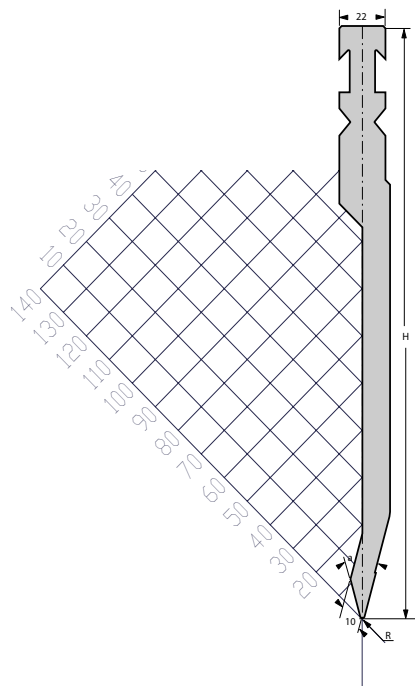
48,3 kg/m



98,0 mm



# P5 RF-AC/30° H250



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 1   |
| Angle de pointe  | 30° |
| [H] Hauteur (mm) | 250 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 30 mm             | 65208.0005.5001 |
| 35 mm             | 65208.0005.5002 |
| 40 mm             | 65208.0005.5003 |
| 45 mm             | 65208.0005.5004 |
| 50 mm             | 65208.0005.5005 |
| 55 mm             | 65208.0005.5006 |
| 60 mm             | 65208.0005.5007 |
| 65 mm             | 65208.0005.5008 |
| 70 mm             | 65208.0005.5015 |
| 75 mm             | 65208.0005.5016 |
| 80 mm             | 65208.0005.5017 |

| Longueur standard         | Réf. article    |
|---------------------------|-----------------|
| 85 mm                     | 65208.0005.5018 |
| 90 mm                     | 65208.0005.5019 |
| 95 mm                     | 65208.0005.5020 |
| 100 mm                    | 65208.0005.5011 |
| 200 mm                    | 65208.0005.5012 |
| 275 mm                    | 65208.0005.5013 |
| 300 mm                    | 65208.0005.5014 |
| 515 mm                    | 65208.0005.5021 |
| Paire de bigornes LH + RH | 65208.0005.7003 |
| Bigorne LH                | 65208.0005.7001 |
| Bigorne RH                | 65208.0005.7002 |



F max = 750 kN/m



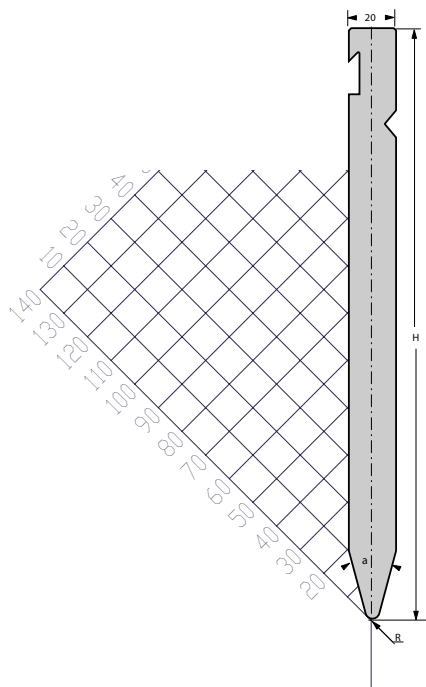
26,0 kg/m



98,0 mm



# P5 RF-AC/30° H250



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 3   |
| Angle de pointe  | 30° |
| [H] Hauteur (mm) | 250 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 30 mm             | 65208.0007.5001 |
| 35 mm             | 65208.0007.5002 |
| 40 mm             | 65208.0007.5003 |
| 45 mm             | 65208.0007.5004 |
| 50 mm             | 65208.0007.5005 |
| 55 mm             | 65208.0007.5006 |
| 60 mm             | 65208.0007.5007 |
| 65 mm             | 65208.0007.5008 |
| 70 mm             | 65208.0007.5015 |
| 75 mm             | 65208.0007.5016 |
| 80 mm             | 65208.0007.5017 |

| Longueur standard         | Réf. article    |
|---------------------------|-----------------|
| 85 mm                     | 65208.0007.5018 |
| 90 mm                     | 65208.0007.5019 |
| 95 mm                     | 65208.0007.5020 |
| 100 mm                    | 65208.0007.5011 |
| 200 mm                    | 65208.0007.5012 |
| 275 mm                    | 65208.0007.5013 |
| 300 mm                    | 65208.0007.5014 |
| 515 mm                    | 65208.0007.5026 |
| Paire de bigornes LH + RH | 65208.0007.7003 |
| Bigorne LH                | 65208.0007.7001 |
| Bigorne RH                | 65208.0007.7002 |



F max = 1400 kN/m



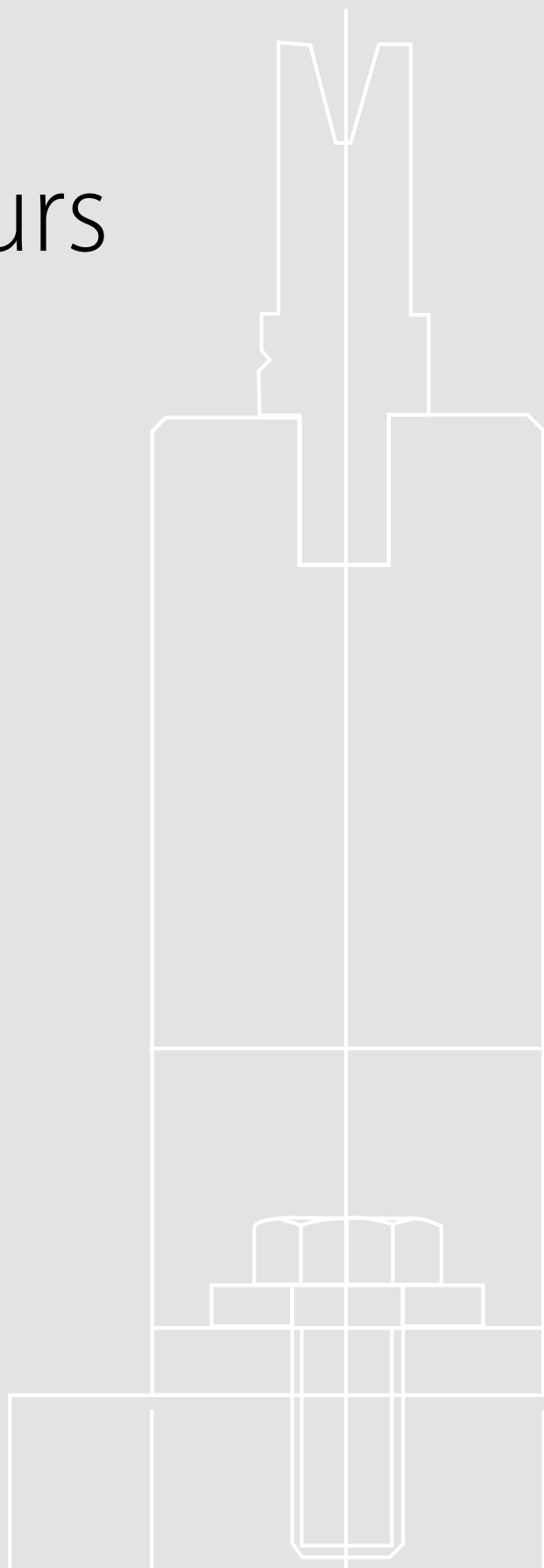
35,9 kg/m



98,0 mm



# Outils inférieurs





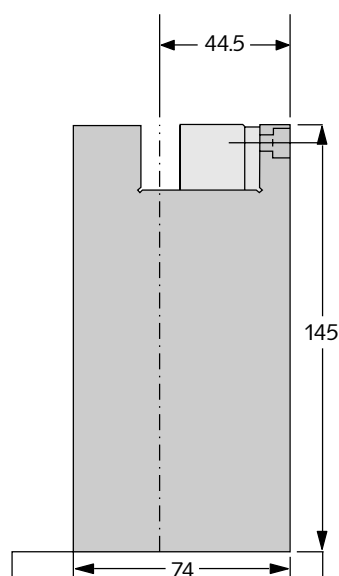


# Options de table inférieure

## Table avec dispositif de serrage hydraulique

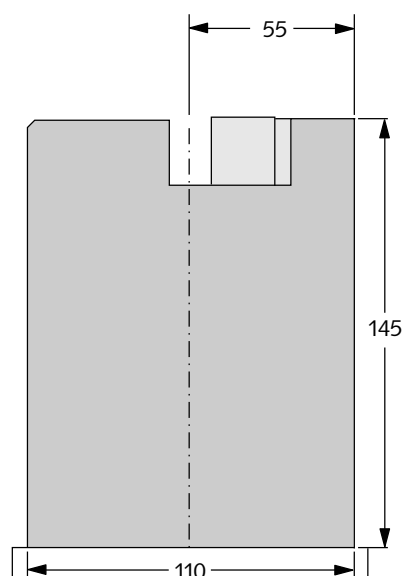
T12

(En option: Xpert 60 - 320 et  
Xpert 250 - 1000)



T13

(En option: Xpert 60 - 320 et  
Xpert 250 - 1000)

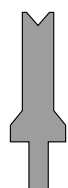






# Segmentation de la matrice

Insert de matrice VC L = 1025 sect.



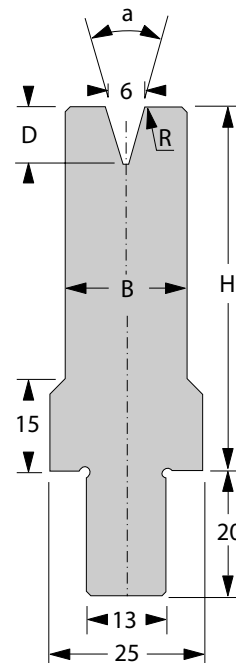
|    |    |    |    |    |    |    |    |    |    |     |     |
|----|----|----|----|----|----|----|----|----|----|-----|-----|
|    |    |    |    |    |    |    |    |    |    |     |     |
| 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | 200 |
|    |    |    |    |    |    |    |    |    |    |     |     |

Segmentation spéciale sur demande.

En outre, tous les outils inférieurs peuvent être fournis avec rayon de matrice, angle et hauteur modifiés (non standard).



# V6C/30° H55



|                  |      |
|------------------|------|
| [R] Rayon (mm) * | 0,75 |
| [a] Angle - V    | 30°  |
| [H] Hauteur (mm) | 55   |

|                     |     |
|---------------------|-----|
| [B] Largeur (mm)    | 20  |
| [D] Profondeur (mm) | 9,3 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0006.5001 |
| 55 mm             | 64208.0006.5002 |
| 60 mm             | 64208.0006.5003 |
| 65 mm             | 64208.0006.5004 |
| 70 mm             | 64208.0006.5005 |
| 75 mm             | 64208.0006.5006 |
| 80 mm             | 64208.0006.5007 |
| 85 mm             | 64208.0006.5008 |
| 90 mm             | 64208.0006.5009 |
| 95 mm             | 64208.0006.5010 |
| 100 mm            | 64208.0006.5011 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0006.5012 |
| 275 mm            | 64208.0006.5013 |
| 300 mm            | 64208.0006.5014 |
| 515 mm            | 64208.0006.5015 |
| 1025 mm sect.     | 64208.0006.5000 |



F max 30° = 400 kN/m



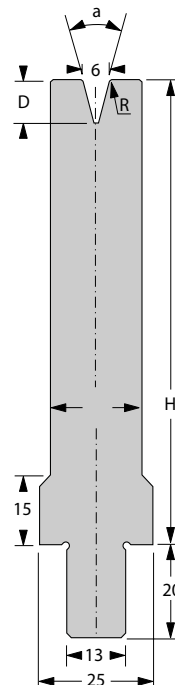
10,9 kg/m



Insert de matrice 13 mm



# V6C/30° H100



|                  |      |
|------------------|------|
| [R] Rayon (mm) * | 0,75 |
| [a] Angle - V    | 30°  |
| [H] Hauteur (mm) | 100  |

|                     |     |
|---------------------|-----|
| [B] Largeur (mm)    | 20  |
| [D] Profondeur (mm) | 9,3 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0006.5016 |
| 55 mm             | 64208.0006.5017 |
| 60 mm             | 64208.0006.5018 |
| 65 mm             | 64208.0006.5019 |
| 70 mm             | 64208.0006.5020 |
| 75 mm             | 64208.0006.5021 |
| 80 mm             | 64208.0006.5022 |
| 85 mm             | 64208.0006.5023 |
| 90 mm             | 64208.0006.5024 |
| 95 mm             | 64208.0006.5025 |
| 100 mm            | 64208.0006.5026 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0006.5027 |
| 275 mm            | 64208.0006.5028 |
| 300 mm            | 64208.0006.5029 |
| 515 mm            | 64208.0006.5030 |
| 1025 mm sect.     | 64208.0006.5031 |



F max 30° = 400 kN/m



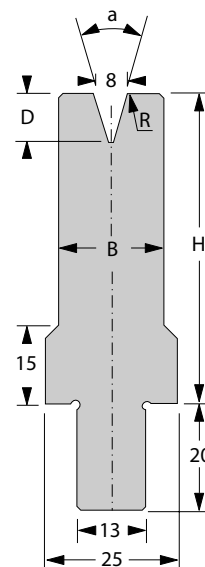
18,0 kg/m



Insert de matrice 13 mm



# V8C/30° H55



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 1   |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 55  |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 20   |
| [D] Profondeur (mm) | 11,2 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0008.5001 |
| 55 mm             | 64208.0008.5002 |
| 60 mm             | 64208.0008.5003 |
| 65 mm             | 64208.0008.5004 |
| 70 mm             | 64208.0008.5005 |
| 75 mm             | 64208.0008.5006 |
| 80 mm             | 64208.0008.5007 |
| 85 mm             | 64208.0008.5008 |
| 90 mm             | 64208.0008.5009 |
| 95 mm             | 64208.0008.5010 |
| 100 mm            | 64208.0008.5011 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0008.5012 |
| 275 mm            | 64208.0008.5013 |
| 300 mm            | 64208.0008.5014 |
| 515 mm            | 64208.0008.5015 |
| 1025 mm sect.     | 64208.0008.5000 |



F max 30° = 400 kN/m



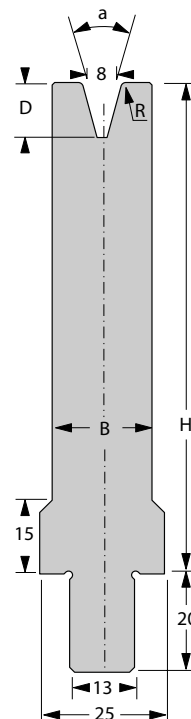
10,8 kg/m



Insert de matrice 13 mm



# V8C/30° H100



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 1   |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 100 |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 20   |
| [D] Profondeur (mm) | 11,2 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0008.5016 |
| 55 mm             | 64208.0008.5017 |
| 60 mm             | 64208.0008.5018 |
| 65 mm             | 64208.0008.5019 |
| 70 mm             | 64208.0008.5020 |
| 75 mm             | 64208.0008.5021 |
| 80 mm             | 64208.0008.5022 |
| 85 mm             | 64208.0008.5023 |
| 90 mm             | 64208.0008.5024 |
| 95 mm             | 64208.0008.5025 |
| 100 mm            | 64208.0008.5026 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0008.5027 |
| 275 mm            | 64208.0008.5028 |
| 300 mm            | 64208.0008.5029 |
| 515 mm            | 64208.0008.5030 |
| 1025 mm sect.     | 64208.0008.5165 |



F max 30° = 300 kN/m



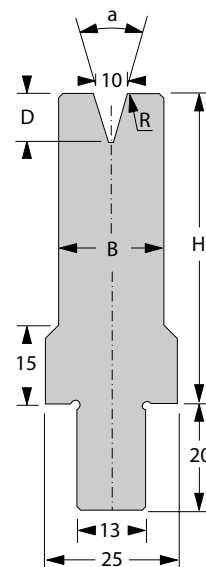
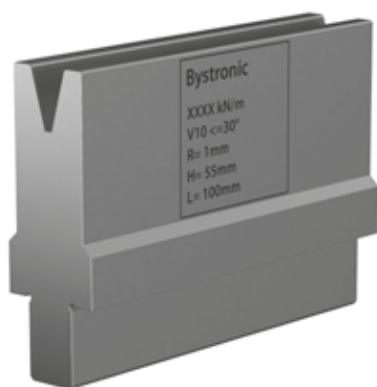
17,8 kg/m



Insert de matrice 13 mm



# V10C/30° H55



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 1   |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 55  |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 20   |
| [D] Profondeur (mm) | 14,9 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0010.5001 |
| 55 mm             | 64208.0010.5002 |
| 60 mm             | 64208.0010.5003 |
| 65 mm             | 64208.0010.5004 |
| 70 mm             | 64208.0010.5005 |
| 75 mm             | 64208.0010.5006 |
| 80 mm             | 64208.0010.5007 |
| 85 mm             | 64208.0010.5008 |
| 90 mm             | 64208.0010.5009 |
| 95 mm             | 64208.0010.5010 |
| 100 mm            | 64208.0010.5011 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0010.5012 |
| 275 mm            | 64208.0010.5013 |
| 300 mm            | 64208.0010.5014 |
| 515 mm            | 64208.0010.5015 |
| 1025 mm sect.     | 64208.0010.5000 |



F max 30° = 200 kN/m



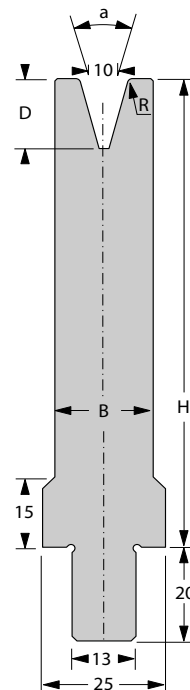
10,6 kg/m



Insert de matrice 13 mm



# V10C/30° H100



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 1   |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 100 |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 20   |
| [D] Profondeur (mm) | 14,9 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0010.5016 |
| 55 mm             | 64208.0010.5017 |
| 60 mm             | 64208.0010.5018 |
| 65 mm             | 64208.0010.5019 |
| 70 mm             | 64208.0010.5020 |
| 75 mm             | 64208.0010.5021 |
| 80 mm             | 64208.0010.5022 |
| 85 mm             | 64208.0010.5023 |
| 90 mm             | 64208.0010.5024 |
| 95 mm             | 64208.0010.5025 |
| 100 mm            | 64208.0010.5026 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0010.5027 |
| 275 mm            | 64208.0010.5028 |
| 300 mm            | 64208.0010.5029 |
| 515 mm            | 64208.0010.5030 |
| 1025 mm sect.     | 64208.0010.5031 |



F max 30° = 200 kN/m



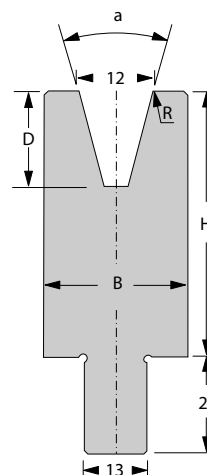
17,6 kg/m



Insert de matrice 13 mm



# V12C/30° H55



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 1,5 |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 55  |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 25   |
| [D] Profondeur (mm) | 18,6 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0012.5001 |
| 55 mm             | 64208.0012.5002 |
| 60 mm             | 64208.0012.5003 |
| 65 mm             | 64208.0012.5004 |
| 70 mm             | 64208.0012.5005 |
| 75 mm             | 64208.0012.5006 |
| 80 mm             | 64208.0012.5007 |
| 85 mm             | 64208.0012.5008 |
| 90 mm             | 64208.0012.5009 |
| 95 mm             | 64208.0012.5010 |
| 100 mm            | 64208.0012.5011 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0012.5012 |
| 275 mm            | 64208.0012.5013 |
| 300 mm            | 64208.0012.5014 |
| 515 mm            | 64208.0012.5015 |
| 1025 mm sect.     | 64208.0012.5000 |



F max 30° = 250 kN/m



11,8 kg/m

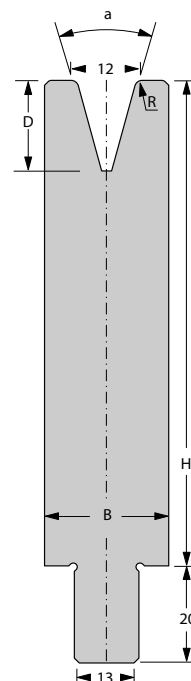


Insert de matrice 13 mm





# V12C/30° H100



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 1,5 |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 100 |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 25   |
| [D] Profondeur (mm) | 18,6 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0012.5017 |
| 55 mm             | 64208.0012.5018 |
| 60 mm             | 64208.0012.5019 |
| 65 mm             | 64208.0012.5020 |
| 70 mm             | 64208.0012.5021 |
| 75 mm             | 64208.0012.5022 |
| 80 mm             | 64208.0012.5023 |
| 85 mm             | 64208.0012.5024 |
| 90 mm             | 64208.0012.5025 |
| 95 mm             | 64208.0012.5026 |
| 100 mm            | 64208.0012.5027 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0012.5028 |
| 275 mm            | 64208.0012.5029 |
| 300 mm            | 64208.0012.5016 |
| 515 mm            | 64208.0012.5031 |
| 1025 mm sect.     | 64208.0012.5030 |



F max 30° = 250 kN/m



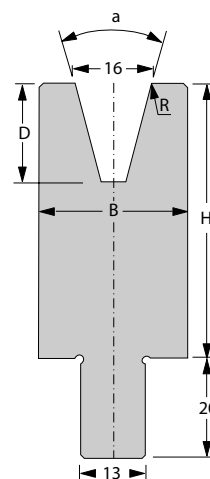
20,6 kg/m



Insert de matrice 13 mm



# V16C/30° H55



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 2   |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 55  |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 30   |
| [D] Profondeur (mm) | 20,5 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0016.5001 |
| 55 mm             | 64208.0016.5002 |
| 60 mm             | 64208.0016.5003 |
| 65 mm             | 64208.0016.5004 |
| 70 mm             | 64208.0016.5005 |
| 75 mm             | 64208.0016.5006 |
| 80 mm             | 64208.0016.5007 |
| 85 mm             | 64208.0016.5008 |
| 90 mm             | 64208.0016.5009 |
| 95 mm             | 64208.0016.5010 |
| 100 mm            | 64208.0016.5011 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0016.5012 |
| 275 mm            | 64208.0016.5013 |
| 300 mm            | 64208.0016.5014 |
| 515 mm            | 64208.0016.5015 |
| 1025 mm sect.     | 64208.0016.5000 |



F max 30° = 250 kN/m



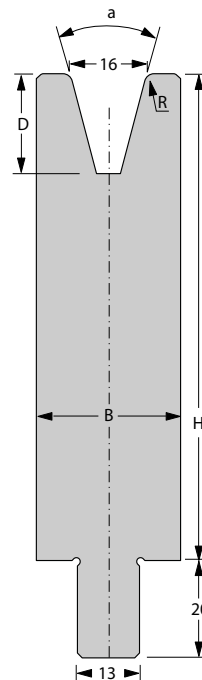
13,3 kg/m



Insert de matrice 13 mm



# V16C/30° H100



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 2   |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 100 |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 30   |
| [D] Profondeur (mm) | 20,5 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0016.5016 |
| 55 mm             | 64208.0016.5017 |
| 60 mm             | 64208.0016.5018 |
| 65 mm             | 64208.0016.5019 |
| 70 mm             | 64208.0016.5020 |
| 75 mm             | 64208.0016.5021 |
| 80 mm             | 64208.0016.5022 |
| 85 mm             | 64208.0016.5023 |
| 90 mm             | 64208.0016.5024 |
| 95 mm             | 64208.0016.5025 |
| 100 mm            | 64208.0016.5026 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0016.5027 |
| 275 mm            | 64208.0016.5028 |
| 300 mm            | 64208.0016.5029 |
| 515 mm            | 64208.0016.5030 |
| 1025 mm sect.     | 64208.0016.5040 |



F max 30° = 250 kN/m



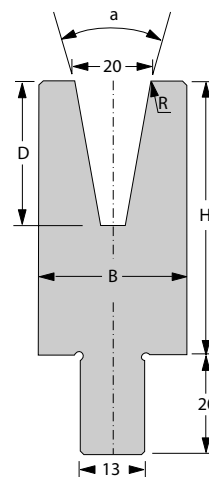
23,9 kg/m



Insert de matrice 13 mm



# V20C/30° H55



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 2,5 |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 55  |

|                     |    |
|---------------------|----|
| [B] Largeur (mm)    | 30 |
| [D] Profondeur (mm) | 28 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0020.5001 |
| 55 mm             | 64208.0020.5002 |
| 60 mm             | 64208.0020.5003 |
| 65 mm             | 64208.0020.5004 |
| 70 mm             | 64208.0020.5005 |
| 75 mm             | 64208.0020.5006 |
| 80 mm             | 64208.0020.5007 |
| 85 mm             | 64208.0020.5008 |
| 90 mm             | 64208.0020.5009 |
| 95 mm             | 64208.0020.5010 |
| 100 mm            | 64208.0020.5011 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0020.5012 |
| 275 mm            | 64208.0020.5013 |
| 300 mm            | 64208.0020.5014 |
| 515 mm            | 64208.0020.5015 |
| 1025 mm sect.     | 64208.0020.5000 |



F max 30° = 150 kN/m



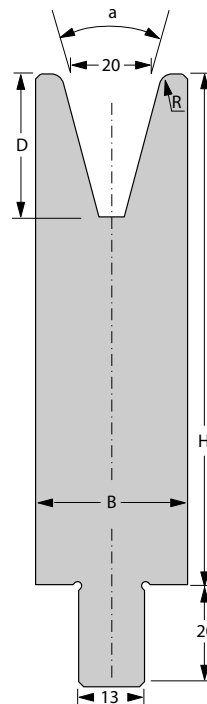
12,2 kg/m



Insert de matrice 13 mm



# V20C/30° H100



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 2,5 |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 100 |

|                     |    |
|---------------------|----|
| [B] Largeur (mm)    | 30 |
| [D] Profondeur (mm) | 28 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0020.5017 |
| 55 mm             | 64208.0020.5018 |
| 60 mm             | 64208.0020.5019 |
| 65 mm             | 64208.0020.5020 |
| 70 mm             | 64208.0020.5021 |
| 75 mm             | 64208.0020.5022 |
| 80 mm             | 64208.0020.5023 |
| 85 mm             | 64208.0020.5024 |
| 90 mm             | 64208.0020.5025 |
| 95 mm             | 64208.0020.5026 |
| 100 mm            | 64208.0020.5027 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0020.5028 |
| 275 mm            | 64208.0020.5029 |
| 300 mm            | 64208.0020.5016 |
| 515 mm            | 64208.0020.5031 |
| 1025 mm sect.     | 64208.0020.5030 |



F max 30° = 150 kN/m



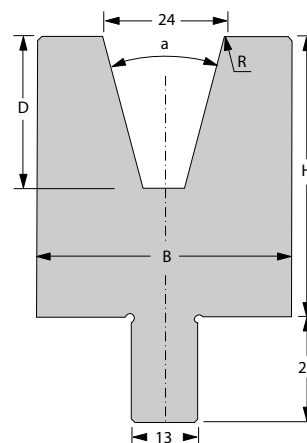
22,8 kg/m



Insert de matrice 13 mm



# V24C/30° H55



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 3   |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 55  |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 40   |
| [D] Profondeur (mm) | 29,8 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0024.5001 |
| 55 mm             | 64208.0024.5002 |
| 60 mm             | 64208.0024.5003 |
| 65 mm             | 64208.0024.5004 |
| 70 mm             | 64208.0024.5005 |
| 75 mm             | 64208.0024.5006 |
| 80 mm             | 64208.0024.5007 |
| 85 mm             | 64208.0024.5008 |
| 90 mm             | 64208.0024.5009 |
| 95 mm             | 64208.0024.5010 |
| 100 mm            | 64208.0024.5011 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0024.5012 |
| 275 mm            | 64208.0024.5013 |
| 300 mm            | 64208.0024.5014 |
| 515 mm            | 64208.0024.5015 |
| 1025 mm sect.     | 64208.0024.5000 |



F max 30° = 300 kN/m



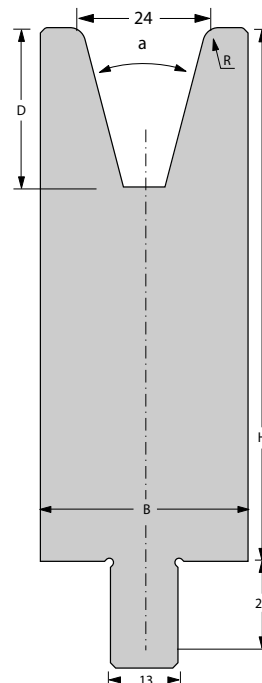
15,5 kg/m



Insert de matrice 13 mm



# V24C/30° H100



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 3   |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 100 |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 40   |
| [D] Profondeur (mm) | 29,8 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0024.5016 |
| 55 mm             | 64208.0024.5017 |
| 60 mm             | 64208.0024.5018 |
| 65 mm             | 64208.0024.5019 |
| 70 mm             | 64208.0024.5020 |
| 75 mm             | 64208.0024.5021 |
| 80 mm             | 64208.0024.5022 |
| 85 mm             | 64208.0024.5023 |
| 90 mm             | 64208.0024.5024 |
| 95 mm             | 64208.0024.5025 |
| 100 mm            | 64208.0024.5026 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0024.5027 |
| 275 mm            | 64208.0024.5028 |
| 300 mm            | 64208.0024.5029 |
| 515 mm            | 64208.0024.5030 |
| 1025 mm sect.     | 64208.0024.5031 |



F max 30° = 300 kN/m



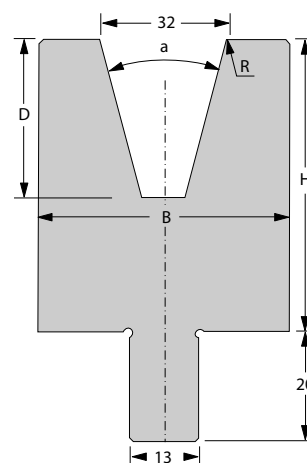
29,6 kg/m



Insert de matrice 13 mm



# V32C/30° H55



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 4   |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 55  |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 48   |
| [D] Profondeur (mm) | 33,6 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0032.5001 |
| 55 mm             | 64208.0032.5002 |
| 60 mm             | 64208.0032.5003 |
| 65 mm             | 64208.0032.5004 |
| 70 mm             | 64208.0032.5005 |
| 75 mm             | 64208.0032.5006 |
| 80 mm             | 64208.0032.5007 |
| 85 mm             | 64208.0032.5008 |
| 90 mm             | 64208.0032.5009 |
| 95 mm             | 64208.0032.5010 |
| 100 mm            | 64208.0032.5011 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0032.5012 |
| 275 mm            | 64208.0032.5013 |
| 300 mm            | 64208.0032.5014 |
| 515 mm            | 64208.0032.5015 |
| 1025 mm sect.     | 64208.0032.5000 |



F max 30° = 300 kN/m



16,7 kg/m

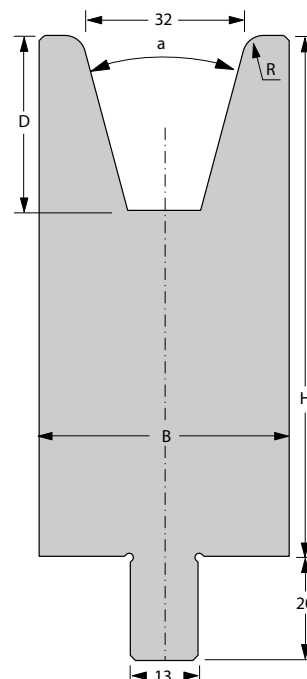


Insert de matrice 13 mm





# V32C/30° H100



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 4   |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 100 |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 48   |
| [D] Profondeur (mm) | 33,6 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0032.5017 |
| 55 mm             | 64208.0032.5018 |
| 60 mm             | 64208.0032.5019 |
| 65 mm             | 64208.0032.5020 |
| 70 mm             | 64208.0032.5021 |
| 75 mm             | 64208.0032.5022 |
| 80 mm             | 64208.0032.5023 |
| 85 mm             | 64208.0032.5024 |
| 90 mm             | 64208.0032.5025 |
| 95 mm             | 64208.0032.5026 |
| 100 mm            | 64208.0032.5027 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0032.5028 |
| 275 mm            | 64208.0032.5029 |
| 300 mm            | 64208.0032.5016 |
| 515 mm            | 64208.0032.5031 |
| 1025 mm sect.     | 64208.0032.5030 |



F max 30° = 300 kN/m



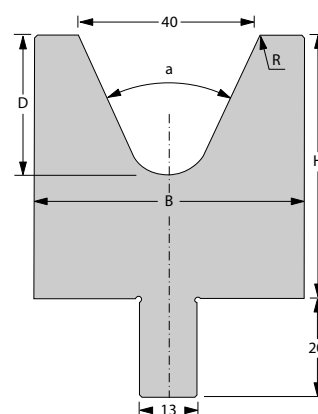
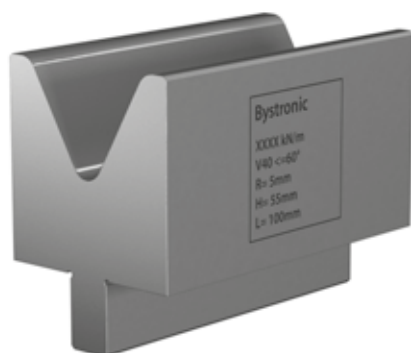
33,7 kg/m



Insert de matrice 13 mm



# V40C/60° H55



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 5   |
| [a] Angle - V    | 60° |
| [H] Hauteur (mm) | 55  |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 55   |
| [D] Profondeur (mm) | 29,6 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0040.5001 |
| 55 mm             | 64208.0040.5002 |
| 60 mm             | 64208.0040.5003 |
| 65 mm             | 64208.0040.5004 |
| 70 mm             | 64208.0040.5005 |
| 75 mm             | 64208.0040.5006 |
| 80 mm             | 64208.0040.5007 |
| 85 mm             | 64208.0040.5008 |
| 90 mm             | 64208.0040.5009 |
| 95 mm             | 64208.0040.5010 |
| 100 mm            | 64208.0040.5011 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0040.5012 |
| 275 mm            | 64208.0040.5013 |
| 300 mm            | 64208.0040.5014 |
| 515 mm            | 64208.0040.5015 |
| 1025 mm sect.     | 64208.0040.5000 |



F max 60° = 1800 kN/m



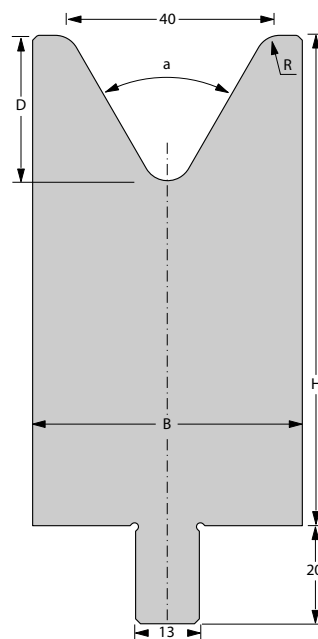
20,5 kg/m



Insert de matrice 13 mm



# V40C/60° H100



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 5   |
| [a] Angle - V    | 60° |
| [H] Hauteur (mm) | 100 |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 55   |
| [D] Profondeur (mm) | 29,6 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0040.5017 |
| 55 mm             | 64208.0040.5018 |
| 60 mm             | 64208.0040.5019 |
| 65 mm             | 64208.0040.5020 |
| 70 mm             | 64208.0040.5021 |
| 75 mm             | 64208.0040.5022 |
| 80 mm             | 64208.0040.5023 |
| 85 mm             | 64208.0040.5024 |
| 90 mm             | 64208.0040.5025 |
| 95 mm             | 64208.0040.5026 |
| 100 mm            | 64208.0040.5027 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0040.5028 |
| 275 mm            | 64208.0040.5029 |
| 300 mm            | 64208.0040.5016 |
| 515 mm            | 64208.0040.5031 |
| 1025 mm sect.     | 64208.0040.5030 |



F max 60° = 1300 kN/m



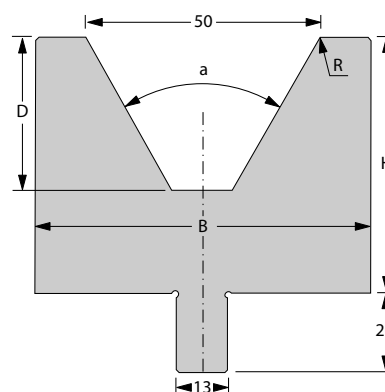
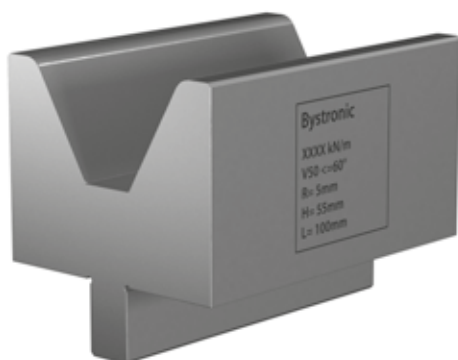
39,9 kg/m



Insert de matrice 13 mm



# V50C/60° H55



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 5   |
| [a] Angle - V    | 60° |
| [H] Hauteur (mm) | 55  |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 70   |
| [D] Profondeur (mm) | 30,3 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0050.5001 |
| 55 mm             | 64208.0050.5002 |
| 60 mm             | 64208.0050.5003 |
| 65 mm             | 64208.0050.5004 |
| 70 mm             | 64208.0050.5005 |
| 75 mm             | 64208.0050.5006 |
| 80 mm             | 64208.0050.5007 |
| 85 mm             | 64208.0050.5008 |
| 90 mm             | 64208.0050.5009 |
| 95 mm             | 64208.0050.5010 |
| 100 mm            | 64208.0050.5011 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0050.5012 |
| 275 mm            | 64208.0050.5013 |
| 300 mm            | 64208.0050.5014 |
| 515 mm            | 64208.0050.5015 |
| 1025 mm sect.     | 64208.0050.5000 |



F max 60° = 1200 kN/m



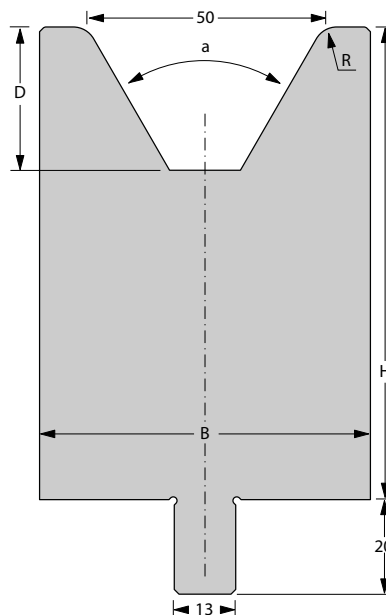
24,5 kg/m



Insert de matrice 13 mm



# V50C/60° H100



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 5   |
| [a] Angle - V    | 60° |
| [H] Hauteur (mm) | 100 |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 70   |
| [D] Profondeur (mm) | 30,3 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0050.5016 |
| 55 mm             | 64208.0050.5017 |
| 60 mm             | 64208.0050.5018 |
| 65 mm             | 64208.0050.5019 |
| 70 mm             | 64208.0050.5020 |
| 75 mm             | 64208.0050.5021 |
| 80 mm             | 64208.0050.5022 |
| 85 mm             | 64208.0050.5023 |
| 90 mm             | 64208.0050.5024 |
| 95 mm             | 64208.0050.5025 |
| 100 mm            | 64208.0050.5026 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0050.5027 |
| 275 mm            | 64208.0050.5028 |
| 300 mm            | 64208.0050.5029 |
| 515 mm            | 64208.0050.5031 |
| 1025 mm sect.     | 64208.0050.5030 |



F max 60° = 2000 kN/m



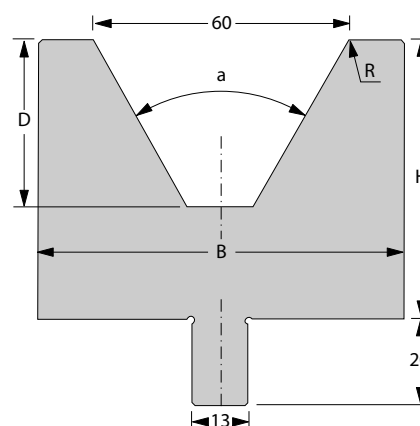
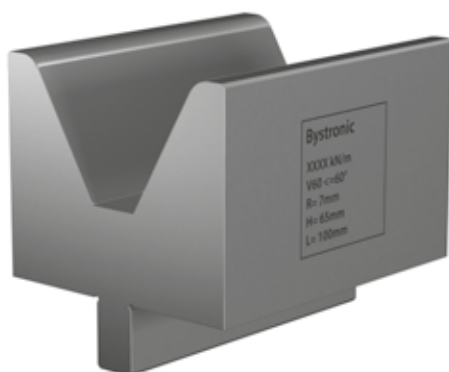
49,2 kg/m



Insert de matrice 13 mm



# V60C/60° H65



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 7   |
| [a] Angle - V    | 60° |
| [H] Hauteur (mm) | 65  |

|                     |    |
|---------------------|----|
| [B] Largeur (mm)    | 80 |
| [D] Profondeur (mm) | 39 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0060.5001 |
| 55 mm             | 64208.0060.5002 |
| 60 mm             | 64208.0060.5003 |
| 65 mm             | 64208.0060.5004 |
| 70 mm             | 64208.0060.5005 |
| 75 mm             | 64208.0060.5006 |
| 80 mm             | 64208.0060.5007 |
| 85 mm             | 64208.0060.5008 |
| 90 mm             | 64208.0060.5009 |
| 95 mm             | 64208.0060.5010 |
| 100 mm            | 64208.0060.5011 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0060.5012 |
| 275 mm            | 64208.0060.5013 |
| 300 mm            | 64208.0060.5014 |
| 515 mm            | 64208.0060.5031 |
| 1025 mm sect.     | 64208.0060.5000 |



F max 60° = 1600 kN/m



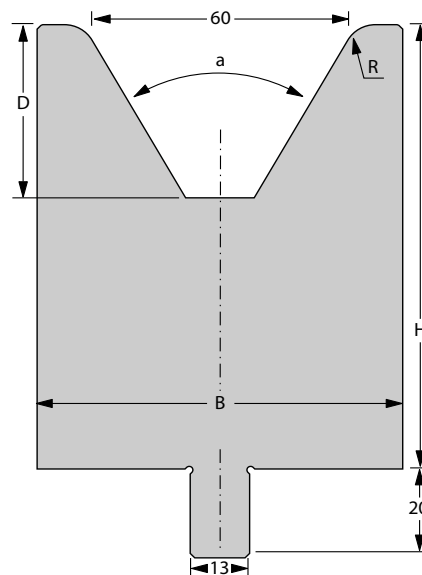
31,4 kg/m



Insert de matrice 13 mm



# V60C/60° H100



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 7   |
| [a] Angle - V    | 60° |
| [H] Hauteur (mm) | 100 |

|                     |    |
|---------------------|----|
| [B] Largeur (mm)    | 80 |
| [D] Profondeur (mm) | 39 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0060.5016 |
| 55 mm             | 64208.0060.5017 |
| 60 mm             | 64208.0060.5018 |
| 65 mm             | 64208.0060.5019 |
| 70 mm             | 64208.0060.5020 |
| 75 mm             | 64208.0060.5021 |
| 80 mm             | 64208.0060.5022 |
| 85 mm             | 64208.0060.5023 |
| 90 mm             | 64208.0060.5024 |
| 95 mm             | 64208.0060.5025 |
| 100 mm            | 64208.0060.5026 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0060.5015 |
| 275 mm            | 64208.0060.5027 |
| 300 mm            | 64208.0060.5028 |
| 1025 mm sect.     | 64208.0060.5030 |



F max 60° = 2000 kN/m



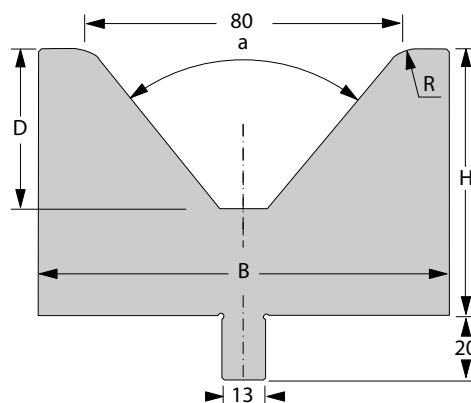
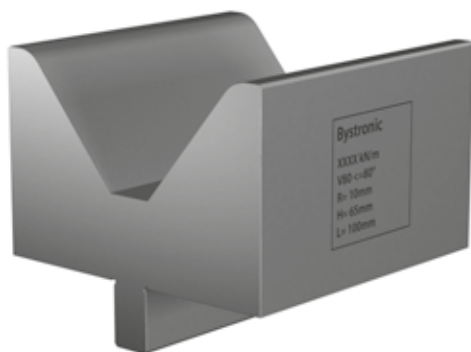
53,4 kg/m



Insert de matrice 13 mm



# V80C/80° H65



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 10  |
| [a] Angle - V    | 80° |
| [H] Hauteur (mm) | 65  |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 100  |
| [D] Profondeur (mm) | 38,7 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0080.5001 |
| 55 mm             | 64208.0080.5002 |
| 60 mm             | 64208.0080.5003 |
| 65 mm             | 64208.0080.5004 |
| 70 mm             | 64208.0080.5005 |
| 75 mm             | 64208.0080.5006 |
| 80 mm             | 64208.0080.5007 |
| 85 mm             | 64208.0080.5008 |
| 90 mm             | 64208.0080.5009 |
| 95 mm             | 64208.0080.5010 |
| 100 mm            | 64208.0080.5011 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0080.5012 |
| 275 mm            | 64208.0080.5013 |
| 300 mm            | 64208.0080.5014 |
| 515 mm            | 64208.0080.5029 |
| 1025 mm sect.     | 64208.0080.5000 |



F max 80° = 1400 kN/m



38,6 kg/m

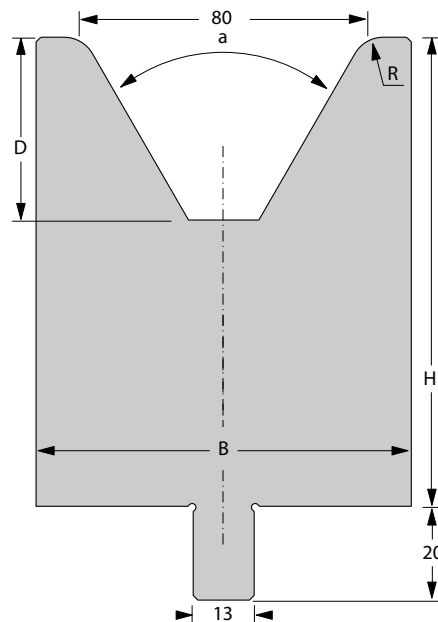


Insert de matrice 13 mm





# V80C/80° H100



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 10  |
| [a] Angle - V    | 80° |
| [H] Hauteur (mm) | 100 |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 100  |
| [D] Profondeur (mm) | 38,7 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0080.5015 |
| 55 mm             | 64208.0080.5016 |
| 60 mm             | 64208.0080.5017 |
| 65 mm             | 64208.0080.5018 |
| 70 mm             | 64208.0080.5019 |
| 75 mm             | 64208.0080.5020 |
| 80 mm             | 64208.0080.5021 |
| 85 mm             | 64208.0080.5022 |
| 90 mm             | 64208.0080.5023 |
| 95 mm             | 64208.0080.5024 |
| 100 mm            | 64208.0080.5025 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0080.5026 |
| 275 mm            | 64208.0080.5027 |
| 300 mm            | 64208.0080.5028 |
| 1025 mm sect.     | 64208.0080.5030 |



F max 80° = 1400 kN/m



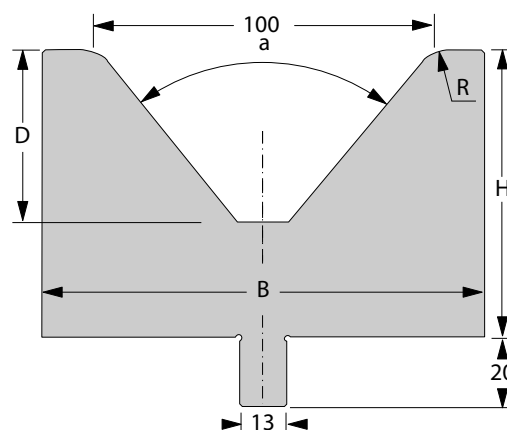
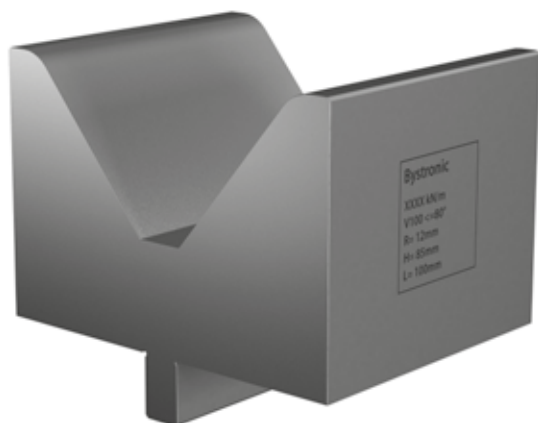
66,0 kg/m



Insert de matrice 13 mm



# V100C/80° H85



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 12  |
| [a] Angle - V    | 80° |
| [H] Hauteur (mm) | 85  |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 125  |
| [D] Profondeur (mm) | 50,5 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0100.5001 |
| 55 mm             | 64208.0100.5002 |
| 60 mm             | 64208.0100.5003 |
| 65 mm             | 64208.0100.5004 |
| 70 mm             | 64208.0100.5005 |
| 75 mm             | 64208.0100.5006 |
| 80 mm             | 64208.0100.5007 |
| 85 mm             | 64208.0100.5008 |
| 90 mm             | 64208.0100.5009 |
| 95 mm             | 64208.0100.5010 |
| 100 mm            | 64208.0100.5011 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0100.5012 |
| 275 mm            | 64208.0100.5013 |
| 300 mm            | 64208.0100.5014 |
| 1025 mm sect.     | 64208.0100.5000 |



F max 80° = 1800 kN/m



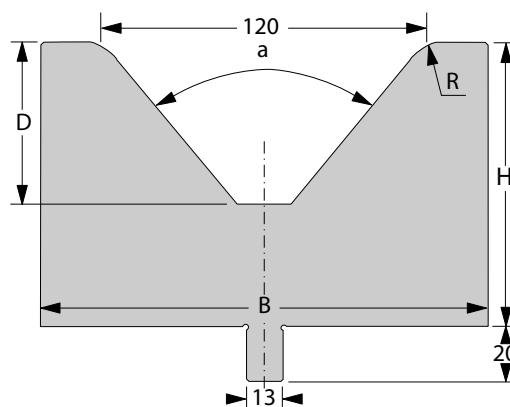
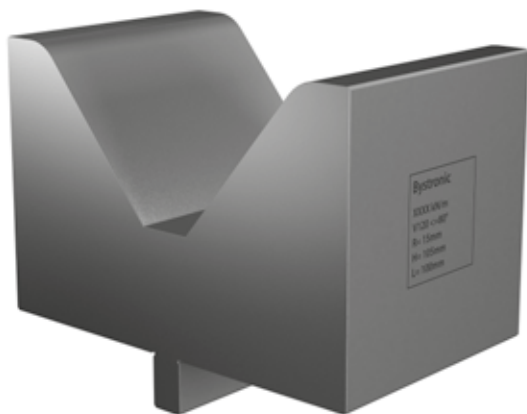
60,5 kg/m



Insert de matrice 13 mm



# V120C/80° H105



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 15  |
| [a] Angle - V    | 80° |
| [H] Hauteur (mm) | 105 |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 160  |
| [D] Profondeur (mm) | 59,5 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0120.5001 |
| 55 mm             | 64208.0120.5002 |
| 60 mm             | 64208.0120.5003 |
| 65 mm             | 64208.0120.5004 |
| 70 mm             | 64208.0120.5005 |
| 75 mm             | 64208.0120.5006 |
| 80 mm             | 64208.0120.5007 |
| 85 mm             | 64208.0120.5008 |
| 90 mm             | 64208.0120.5009 |
| 95 mm             | 64208.0120.5010 |
| 100 mm            | 64208.0120.5011 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0120.5012 |
| 275 mm            | 64208.0120.5013 |
| 300 mm            | 64208.0120.5014 |
| 1025 mm sect.     | 64208.0120.5000 |



F max 80° = 2000 kN/m



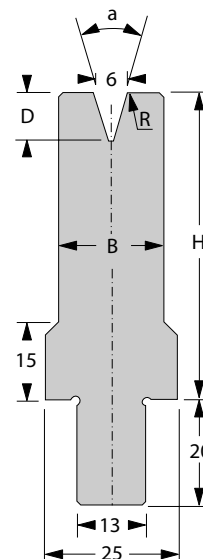
101,0 kg/m



Insert de matrice 13 mm



# V6SC/30° H55



|                  |      |
|------------------|------|
| [R] Rayon (mm) * | 0,75 |
| [a] Angle - V    | 30°  |
| [H] Hauteur (mm) | 55   |

|                     |     |
|---------------------|-----|
| [B] Largeur (mm)    | 12  |
| [D] Profondeur (mm) | 9,3 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0006.5101 |
| 55 mm             | 64208.0006.5102 |
| 60 mm             | 64208.0006.5103 |
| 65 mm             | 64208.0006.5104 |
| 70 mm             | 64208.0006.5105 |
| 75 mm             | 64208.0006.5106 |
| 80 mm             | 64208.0006.5107 |
| 85 mm             | 64208.0006.5108 |
| 90 mm             | 64208.0006.5109 |
| 95 mm             | 64208.0006.5110 |
| 100 mm            | 64208.0006.5111 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0006.5112 |
| 275 mm            | 64208.0006.5113 |
| 300 mm            | 64208.0006.5114 |
| 515 mm            | 64208.0006.5115 |
| 1025 mm sect.     | 64208.0006.5100 |



F max 30° = 100 kN/m



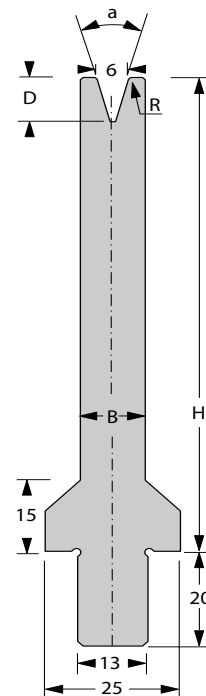
8,1 kg/m



Insert de matrice 13 mm



# V6SC/30° H100



|                  |      |
|------------------|------|
| [R] Rayon (mm) * | 0,75 |
| [a] Angle - V    | 30°  |
| [H] Hauteur (mm) | 100  |

|                     |     |
|---------------------|-----|
| [B] Largeur (mm)    | 12  |
| [D] Profondeur (mm) | 9,3 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0006.5151 |
| 55 mm             | 64208.0006.5152 |
| 60 mm             | 64208.0006.5153 |
| 65 mm             | 64208.0006.5154 |
| 70 mm             | 64208.0006.5155 |
| 75 mm             | 64208.0006.5156 |
| 80 mm             | 64208.0006.5157 |
| 85 mm             | 64208.0006.5158 |
| 90 mm             | 64208.0006.5159 |
| 95 mm             | 64208.0006.5160 |
| 100 mm            | 64208.0006.5161 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0006.5162 |
| 275 mm            | 64208.0006.5163 |
| 300 mm            | 64208.0006.5164 |
| 515 mm            | 64208.0006.5165 |
| 1025 mm sect.     | 64208.0006.5150 |



F max 30° = 100 kN/m



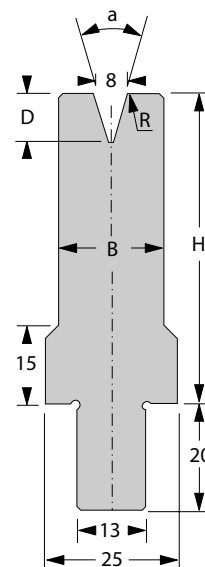
12,3 kg/m



Insert de matrice 13 mm



# V8SC/30° H55



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 1   |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 55  |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 14   |
| [D] Profondeur (mm) | 11,2 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0008.5102 |
| 55 mm             | 64208.0008.5103 |
| 60 mm             | 64208.0008.5104 |
| 65 mm             | 64208.0008.5105 |
| 70 mm             | 64208.0008.5106 |
| 75 mm             | 64208.0008.5107 |
| 80 mm             | 64208.0008.5108 |
| 85 mm             | 64208.0008.5109 |
| 90 mm             | 64208.0008.5110 |
| 95 mm             | 64208.0008.5111 |
| 100 mm            | 64208.0008.5112 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0008.5113 |
| 275 mm            | 64208.0008.5114 |
| 300 mm            | 64208.0008.5115 |
| 515 mm            | 64208.0008.5116 |
| 1025 mm sect.     | 64208.0008.5100 |



F max 30° = 100 kN/m



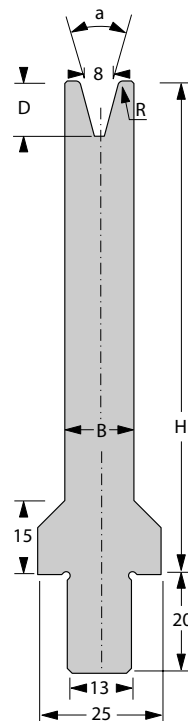
8,7 kg/m



Insert de matrice 13 mm



# V8SC/30° H100



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 1   |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 100 |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 14   |
| [D] Profondeur (mm) | 11,2 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0008.5151 |
| 55 mm             | 64208.0008.5152 |
| 60 mm             | 64208.0008.5153 |
| 65 mm             | 64208.0008.5154 |
| 70 mm             | 64208.0008.5155 |
| 75 mm             | 64208.0008.5156 |
| 80 mm             | 64208.0008.5157 |
| 85 mm             | 64208.0008.5158 |
| 90 mm             | 64208.0008.5159 |
| 95 mm             | 64208.0008.5160 |
| 100 mm            | 64208.0008.5161 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0008.5162 |
| 275 mm            | 64208.0008.5163 |
| 300 mm            | 64208.0008.5164 |
| 515 mm            | 64208.0008.5166 |
| 1025 mm sect.     | 64208.0008.5150 |



F max 30° = 1000 kN/m



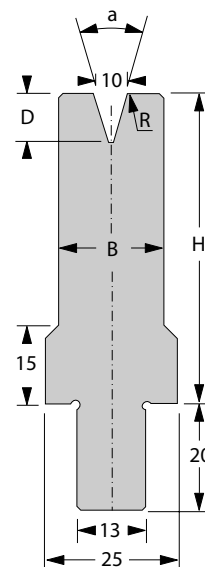
13,7 kg/m



Insert de matrice 13 mm



# V10SC/30° H55



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 1   |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 55  |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 16   |
| [D] Profondeur (mm) | 14,9 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0010.5101 |
| 55 mm             | 64208.0010.5102 |
| 60 mm             | 64208.0010.5103 |
| 65 mm             | 64208.0010.5104 |
| 70 mm             | 64208.0010.5105 |
| 75 mm             | 64208.0010.5106 |
| 80 mm             | 64208.0010.5107 |
| 85 mm             | 64208.0010.5108 |
| 90 mm             | 64208.0010.5109 |
| 95 mm             | 64208.0010.5110 |
| 100 mm            | 64208.0010.5111 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0010.5112 |
| 275 mm            | 64208.0010.5113 |
| 300 mm            | 64208.0010.5114 |
| 515 mm            | 64208.0010.5115 |
| 1025 mm sect.     | 64208.0010.5100 |



F max 30° = 100 kN/m



9,1 kg/m

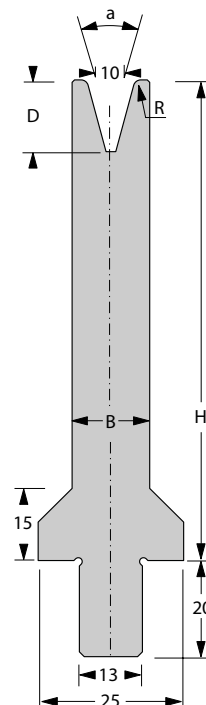


Insert de matrice 13 mm





# V10SC/30° H100



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 1   |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 100 |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 16   |
| [D] Profondeur (mm) | 14,9 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0010.5117 |
| 55 mm             | 64208.0010.5118 |
| 60 mm             | 64208.0010.5119 |
| 65 mm             | 64208.0010.5120 |
| 70 mm             | 64208.0010.5121 |
| 75 mm             | 64208.0010.5122 |
| 80 mm             | 64208.0010.5123 |
| 85 mm             | 64208.0010.5124 |
| 90 mm             | 64208.0010.5125 |
| 95 mm             | 64208.0010.5126 |
| 100 mm            | 64208.0010.5127 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0010.5128 |
| 275 mm            | 64208.0010.5129 |
| 300 mm            | 64208.0010.5130 |
| 515 mm            | 64208.0010.5131 |
| 1025 mm sect.     | 64208.0010.5116 |



F max 30° = 100 kN/m



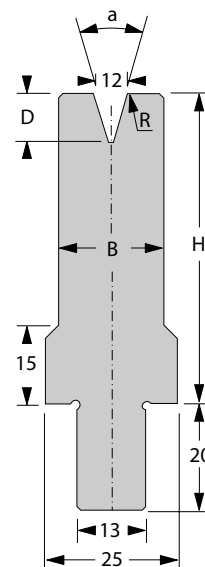
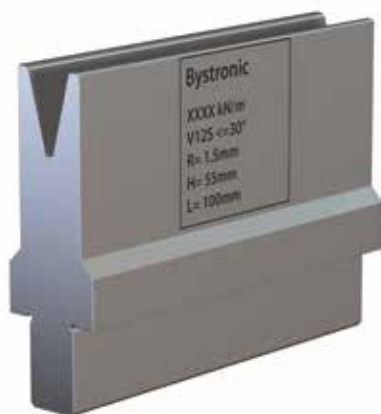
14,7 kg/m



Insert de matrice 13 mm



# V12SC/30° H55



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 1,5 |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 55  |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 18   |
| [D] Profondeur (mm) | 18,6 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0012.5101 |
| 55 mm             | 64208.0012.5102 |
| 60 mm             | 64208.0012.5103 |
| 65 mm             | 64208.0012.5104 |
| 70 mm             | 64208.0012.5105 |
| 75 mm             | 64208.0012.5106 |
| 80 mm             | 64208.0012.5107 |
| 85 mm             | 64208.0012.5108 |
| 90 mm             | 64208.0012.5109 |
| 95 mm             | 64208.0012.5110 |
| 100 mm            | 64208.0012.5111 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0012.5112 |
| 275 mm            | 64208.0012.5113 |
| 300 mm            | 64208.0012.5114 |
| 515 mm            | 64208.0012.5115 |
| 1025 mm sect.     | 64208.0012.5100 |



F max 30° = 100 kN/m



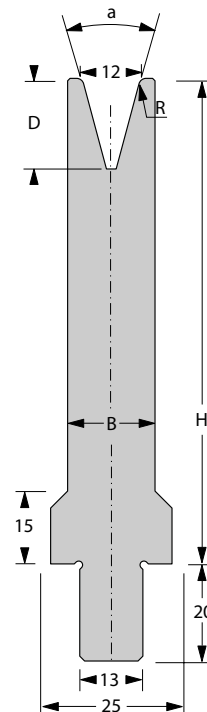
9,5 kg/m



Insert de matrice 13 mm



# V12SC/30° H100



|                  |     |
|------------------|-----|
| [R] Rayon (mm) * | 1,5 |
| [a] Angle - V    | 30° |
| [H] Hauteur (mm) | 100 |

|                     |      |
|---------------------|------|
| [B] Largeur (mm)    | 18   |
| [D] Profondeur (mm) | 18,6 |

\*autres rayons sur demande

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0012.5117 |
| 55 mm             | 64208.0012.5118 |
| 60 mm             | 64208.0012.5119 |
| 65 mm             | 64208.0012.5120 |
| 70 mm             | 64208.0012.5121 |
| 75 mm             | 64208.0012.5122 |
| 80 mm             | 64208.0012.5123 |
| 85 mm             | 64208.0012.5124 |
| 90 mm             | 64208.0012.5125 |
| 95 mm             | 64208.0012.5126 |
| 100 mm            | 64208.0012.5127 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0012.5128 |
| 275 mm            | 64208.0012.5129 |
| 300 mm            | 64208.0012.5130 |
| 515 mm            | 64208.0012.5131 |
| 1025 mm sect.     | 64208.0012.5116 |



F max 30° = 100 kN/m



15,9 kg/m

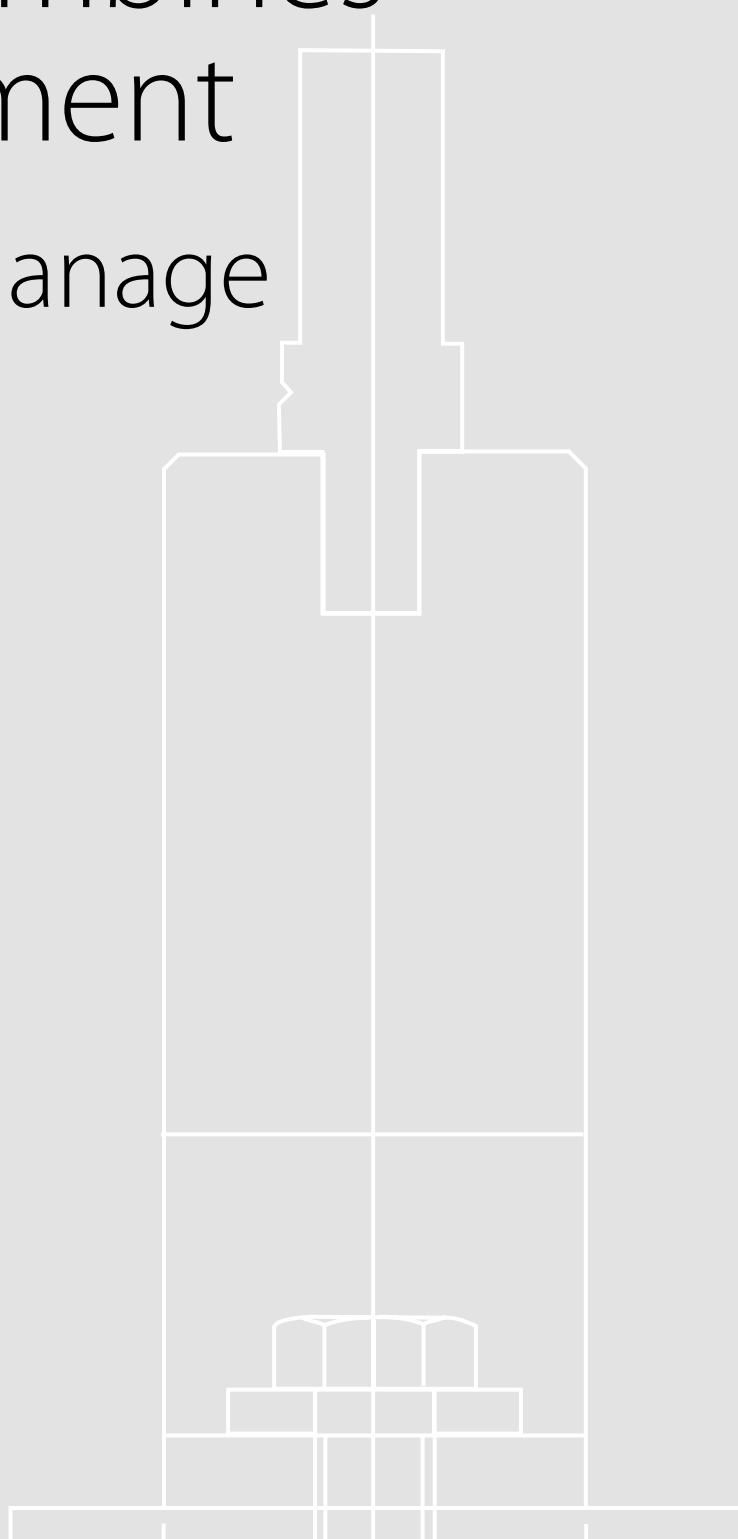


Insert de matrice 13 mm



# Outils combinés d'écrasement

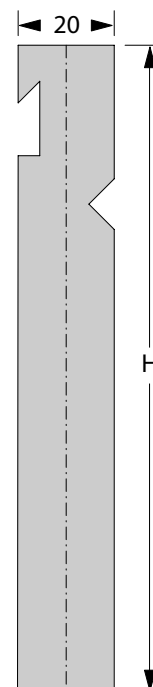
## Outils de planage







# P11 RF-AC H250



|                  |     |
|------------------|-----|
| [B] Largeur (mm) | 20  |
| [H] Hauteur (mm) | 250 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 30 mm             | 65208.0011.5001 |
| 35 mm             | 65208.0011.5002 |
| 40 mm             | 65208.0011.5003 |
| 45 mm             | 65208.0011.5004 |
| 50 mm             | 65208.0011.5005 |
| 55 mm             | 65208.0011.5006 |
| 60 mm             | 65208.0011.5007 |
| 65 mm             | 65208.0011.5008 |
| 70 mm             | 65208.0011.5009 |
| 75 mm             | 65208.0011.5010 |
| 80 mm             | 65208.0011.5011 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 85 mm             | 65208.0011.5012 |
| 90 mm             | 65208.0011.5013 |
| 95 mm             | 65208.0011.5014 |
| 100 mm            | 65208.0011.5015 |
| 200 mm            | 65208.0011.5016 |
| 275 mm            | 65208.0011.5017 |
| 300 mm            | 65208.0011.5018 |
| 515 mm            | 65208.0011.5023 |
| 1175 mm sect.     | 65208.0011.5000 |



F max = 1400 kN/m



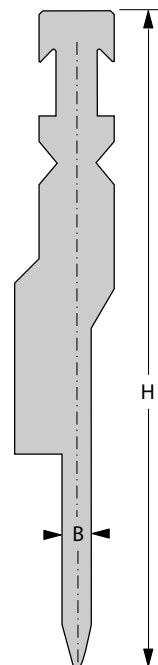
35,9 kg/m



98,0 mm



# P900/8 RF-AC/30° H250



|                  |      |
|------------------|------|
| [B] Largeur (mm) | 26,5 |
| [H] Hauteur (mm) | 250  |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 30 mm             | 65208.0900.5002 |
| 35 mm             | 65208.0900.5003 |
| 40 mm             | 65208.0900.5004 |
| 45 mm             | 65208.0900.5005 |
| 50 mm             | 65208.0900.5006 |
| 55 mm             | 65208.0900.5007 |
| 60 mm             | 65208.0900.5008 |
| 65 mm             | 65208.0900.5009 |
| 70 mm             | 65208.0900.5010 |
| 75 mm             | 65208.0900.5011 |
| 80 mm             | 65208.0900.5012 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 85 mm             | 65208.0900.5013 |
| 90 mm             | 65208.0900.5014 |
| 95 mm             | 65208.0900.5015 |
| 100 mm            | 65208.0900.5016 |
| 200 mm            | 65208.0900.5017 |
| 275 mm            | 65208.0900.5018 |
| 300 mm            | 65208.0900.5019 |
| 515 mm            | 65208.0900.5020 |
| 1175 mm sect.     | 65208.0900.5000 |



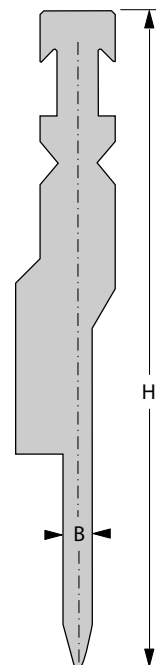
F max = 1000 kN/m



29,2 kg/m



# P900/10 RF-AC/30° H250



|                  |      |
|------------------|------|
| [B] Largeur (mm) | 26,5 |
| [H] Hauteur (mm) | 250  |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 30 mm             | 65208.0900.5050 |
| 35 mm             | 65208.0900.5041 |
| 40 mm             | 65208.0900.5042 |
| 45 mm             | 65208.0900.5043 |
| 50 mm             | 65208.0900.5044 |
| 55 mm             | 65208.0900.5045 |
| 60 mm             | 65208.0900.5046 |
| 65 mm             | 65208.0900.5047 |
| 70 mm             | 65208.0900.5048 |
| 75 mm             | 65208.0900.5049 |
| 80 mm             | 65208.0900.5040 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 85 mm             | 65208.0900.5051 |
| 90 mm             | 65208.0900.5052 |
| 95 mm             | 65208.0900.5053 |
| 100 mm            | 65208.0900.5054 |
| 200 mm            | 65208.0900.5055 |
| 275 mm            | 65208.0900.5056 |
| 300 mm            | 65208.0900.5057 |
| 515 mm            | 65208.0900.5058 |
| 1175 mm sect.     | 65208.0900.5059 |



F max = 1000 kN/m

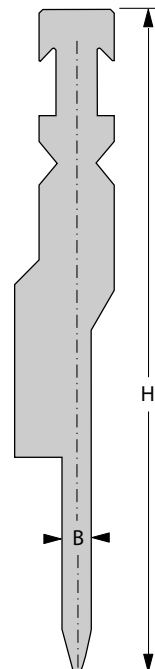


29,2 kg/m





# P900/12 RF-AC/30° H250



|                  |      |
|------------------|------|
| [B] Largeur (mm) | 26,5 |
| [H] Hauteur (mm) | 250  |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 30 mm             | 65208.0900.5021 |
| 35 mm             | 65208.0900.5022 |
| 40 mm             | 65208.0900.5023 |
| 45 mm             | 65208.0900.5024 |
| 50 mm             | 65208.0900.5025 |
| 55 mm             | 65208.0900.5026 |
| 60 mm             | 65208.0900.5027 |
| 65 mm             | 65208.0900.5028 |
| 70 mm             | 65208.0900.5029 |
| 75 mm             | 65208.0900.5030 |
| 80 mm             | 65208.0900.5031 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 85 mm             | 65208.0900.5032 |
| 90 mm             | 65208.0900.5033 |
| 95 mm             | 65208.0900.5034 |
| 100 mm            | 65208.0900.5035 |
| 200 mm            | 65208.0900.5036 |
| 275 mm            | 65208.0900.5037 |
| 300 mm            | 65208.0900.5001 |
| 515 mm            | 65208.0900.5038 |
| 1175 mm sect.     | 65208.0900.5039 |



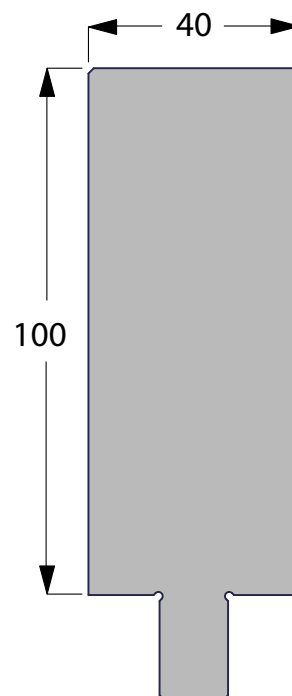
F max = 1000 kN/m



34,3 kg/m



# V-Flat B40



|                  |     |
|------------------|-----|
| [B] Largeur (mm) | 40  |
| [H] Hauteur (mm) | 100 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0000.5001 |
| 55 mm             | 64208.0000.5002 |
| 60 mm             | 64208.0000.5003 |
| 65 mm             | 64208.0000.5004 |
| 70 mm             | 64208.0000.5005 |
| 75 mm             | 64208.0000.5006 |
| 80 mm             | 64208.0000.5007 |
| 85 mm             | 64208.0000.5008 |
| 90 mm             | 64208.0000.5009 |
| 95 mm             | 64208.0000.5010 |
| 100 mm            | 64208.0000.5011 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0000.5012 |
| 275 mm            | 64208.0000.5013 |
| 300 mm            | 64208.0000.5014 |
| 515 mm            | 64208.0000.5015 |
| 1025 mm sect.     | 64208.0000.5000 |



$F_{\max} 30^\circ = 2000 \text{ kN/m}$



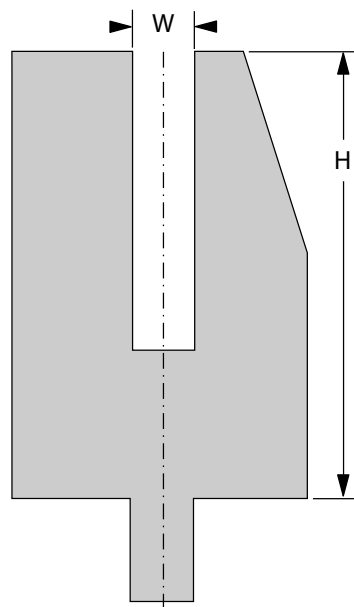
35,5 kg/m



Insert de matrice 13 mm



# V900/08C



|                  |    |
|------------------|----|
| [B] Largeur (mm) | 55 |
| [H] Hauteur (mm) | 85 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0900.5003 |
| 55 mm             | 64208.0900.5004 |
| 60 mm             | 64208.0900.5005 |
| 65 mm             | 64208.0900.5006 |
| 70 mm             | 64208.0900.5007 |
| 75 mm             | 64208.0900.5008 |
| 80 mm             | 64208.0900.5009 |
| 85 mm             | 64208.0900.5010 |
| 90 mm             | 64208.0900.5011 |
| 95 mm             | 64208.0900.5012 |
| 100 mm            | 64208.0900.5013 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0900.5014 |
| 275 mm            | 64208.0900.5015 |
| 300 mm            | 64208.0900.5002 |
| 515 mm            | 64208.0900.5016 |
| 1025 mm sect.     | 64208.0900.5000 |



F max 30° = 250 kN/m



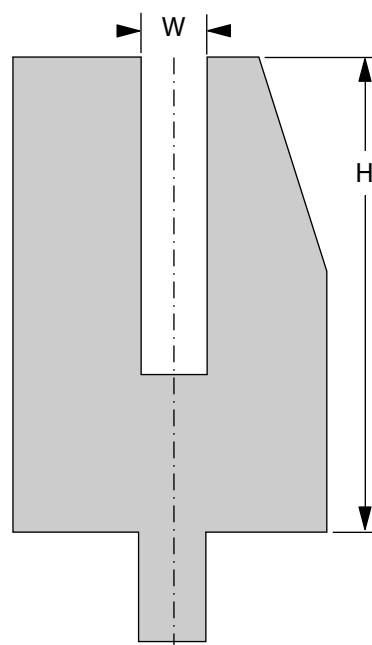
35,5 kg/m



Insert de matrice 13 mm



# V900/10C



|                  |    |
|------------------|----|
| [B] Largeur (mm) | 55 |
| [H] Hauteur (mm) | 85 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0900.5032 |
| 55 mm             | 64208.0900.5033 |
| 60 mm             | 64208.0900.5034 |
| 65 mm             | 64208.0900.5047 |
| 70 mm             | 64208.0900.5035 |
| 75 mm             | 64208.0900.5036 |
| 80 mm             | 64208.0900.5037 |
| 85 mm             | 64208.0900.5038 |
| 90 mm             | 64208.0900.5039 |
| 95 mm             | 64208.0900.5040 |
| 100 mm            | 64208.0900.5041 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0900.5042 |
| 275 mm            | 64208.0900.5043 |
| 300 mm            | 64208.0900.5044 |
| 515 mm            | 64208.0900.5045 |
| 1025 mm sect.     | 64208.0900.5046 |



$F_{\max} 30^\circ = 250 \text{ kN/m}$



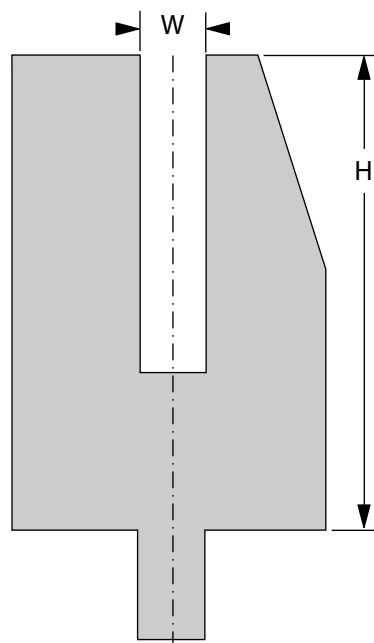
32,0 kg/m



Insert de matrice 13 mm



# V900/12C



|                  |    |
|------------------|----|
| [B] Largeur (mm) | 55 |
| [H] Hauteur (mm) | 85 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 50 mm             | 64208.0900.5017 |
| 55 mm             | 64208.0900.5018 |
| 60 mm             | 64208.0900.5019 |
| 65 mm             | 64208.0900.5020 |
| 70 mm             | 64208.0900.5021 |
| 75 mm             | 64208.0900.5022 |
| 80 mm             | 64208.0900.5023 |
| 85 mm             | 64208.0900.5024 |
| 90 mm             | 64208.0900.5025 |
| 95 mm             | 64208.0900.5026 |
| 100 mm            | 64208.0900.5027 |

| Longueur standard | Réf. article    |
|-------------------|-----------------|
| 200 mm            | 64208.0900.5028 |
| 275 mm            | 64208.0900.5029 |
| 300 mm            | 64208.0900.5001 |
| 515 mm            | 64208.0900.5030 |
| 1025 mm sect.     | 64208.0900.5031 |



F max 30° = 250 kN/m



31,0 kg/m



Insert de matrice 13 mm



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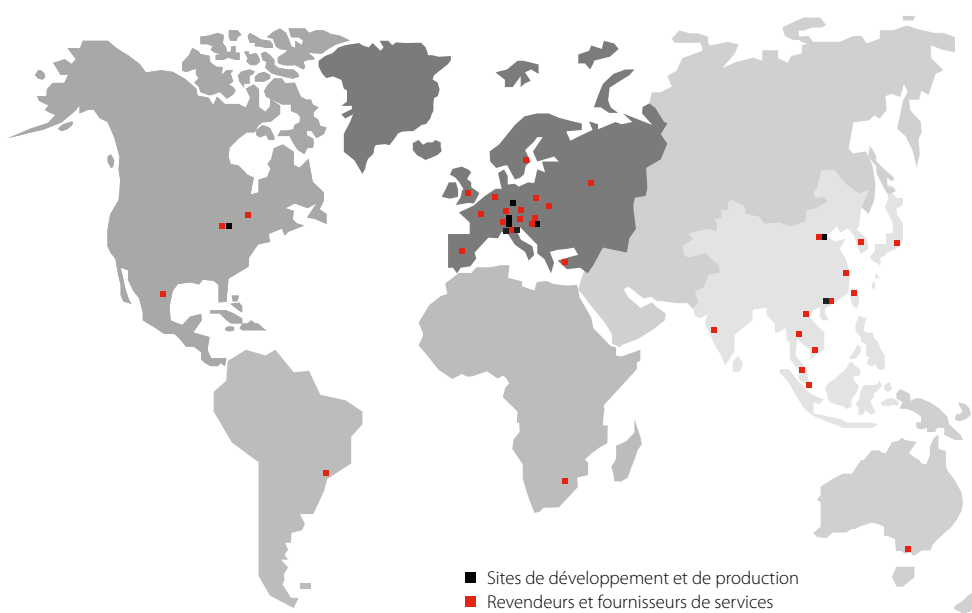
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