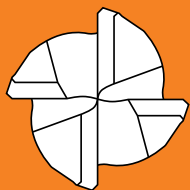
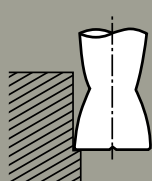


4 dents



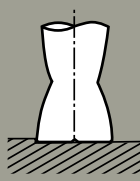
Finition



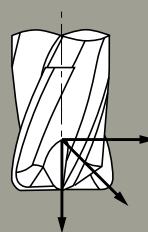
1/2 Finition



Surfaçage



Ebauche



réf.

51412X  
TIALN-X

**USINAGE GRANDE VITESSE**



② dents  
fil à fil

# Fraise Carbure Monobloc *aciers, inox, titane*

| Ø D | LT  | Lu | LSQ | Ø d<br>x LQ | r   | Z | Code Article |
|-----|-----|----|-----|-------------|-----|---|--------------|
| 6   | 57  | 8  | 21  | 6 x 36      | 1,0 | 4 | D51412XD0600 |
| 8   | 63  | 10 | 27  | 8 x 36      | 1,0 | 4 | D51412XD0800 |
| 10  | 72  | 12 | 32  | 10 x 40     | 1,5 | 4 | D51412XD1000 |
| 12  | 83  | 15 | 38  | 12 x 45     | 1,5 | 4 | D51412XD1200 |
| 14  | 83  | 17 | 38  | 14 x 45     | 1,5 | 4 | D51412XD1400 |
| 16  | 92  | 20 | 44  | 16 x 48     | 2,0 | 4 | D51412XD1600 |
| 18  | 92  | 22 | 44  | 18 x 48     | 2,0 | 4 | D51412XD1800 |
| 20  | 104 | 24 | 54  | 20 x 50     | 2,5 | 4 | D51412XD2000 |

## PERFORMANCE MATIERE

ACIER

< 1100 N/mm²

< 1700 N/mm²

< 2100 N/mm²

INOX MARTENSITIQUE FERRITIQUE

< 220 HB

INOX AUSTENITIQUE

< 220 HB

ACIER REFRACTAIRE

< 320 HB

ALLIAGE DE TITANE

< 1000 N/mm²

FONTE GRISE LAMELLAIRE

< 210 HB

FONTE GRISE

< 220 HB

## REVETEMENT TIALN X

| Attachement                                                                                | Caractéristiques                                                                               | Utilisation                  | Normes       | Passe Maxi                                                            | Tolérances                                                                                                                                                           |
|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------|--------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>Cylindrique<br>DIN 6535HA<br><br><br>Plat sur demande<br>à partir du Ø 6<br>DIN 6535HB | Coupe à droite<br>Hélice à droite : 25°<br>Nombre de dents : 4<br>Dépouille : 9°<br>Coupe : 4° | USINAGE<br>GRANDE<br>VITESSE | Normes Usine | <br>$ap = I \times \varnothing D$<br>$ae = 0,15 \times \varnothing D$ | $\varnothing D \triangleright h11$<br>$\varnothing d \triangleright h6$<br>$LT \triangleright +2 / 0$<br>$Lu \triangleright +1,5 / 0$<br>$r \triangleright \pm 0,02$ |
| Nature Outil                                                                               | Lubrification                                                                                  | Origines                     |              |                                                                       |                                                                                                                                                                      |
| Carbure MK 15                                                                              | Avec ou Sans                                                                                   | Made in France               |              |                                                                       |                                                                                                                                                                      |



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