

E2

NUANCE SUBMICROGRAINS USINAGE HAUTE VITESSE DE  
MATIÈRES ABRASIVES

$\lambda = 20^\circ$

ANGLES D'HÉLICE 20°



ANGLE EN POINTE

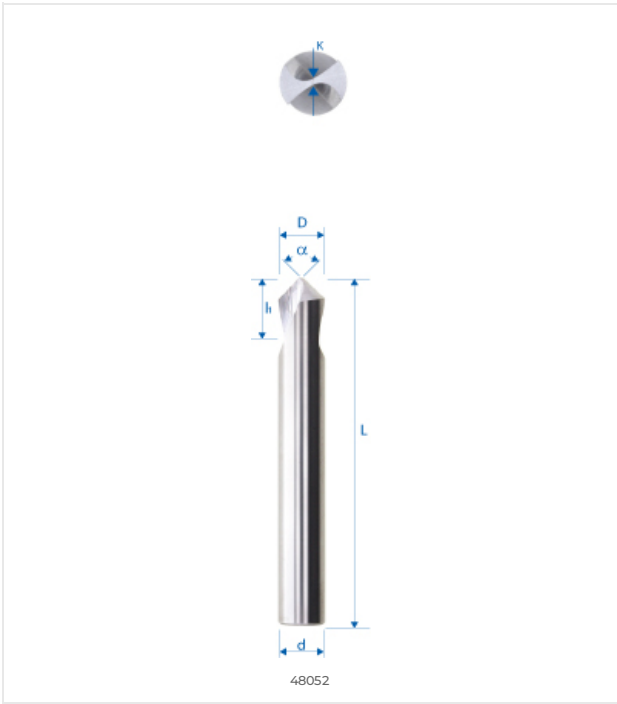
COMPATIBILITÉ MATIÈRE

●●● Excellent (3/3) ●● Bon (2/3) ●● Possible (1/3) ○○○ Non recommandé

Compatibilité du produit avec les matières

| CATÉGORIE                                                       | MATIÈRE                      | SPÉCIFICATION | GRP | 48052A-60-1 |
|-----------------------------------------------------------------|------------------------------|---------------|-----|-------------|
| Aciers alliés et non alliés<br><small>Aciers non alliés</small> | Rm < 450 N/mm <sup>2</sup>   | 1a            | ●●● | 1/3         |
|                                                                 | Rm 450–700 N/mm <sup>2</sup> | 1b            | ●●● | 1/3         |
|                                                                 | Rm 700–900 N/mm <sup>2</sup> | 1c            | ●●● | 1/3         |
|                                                                 | Rm > 1200 N/mm <sup>2</sup>  | 1d            | ○○○ | 0/3         |
| Aciers Inox<br><small>Aciers inoxydables</small>                | Rm < 650 N/mm <sup>2</sup>   | 2a            | ●●● | 1/3         |
|                                                                 | Rm 650–950 N/mm <sup>2</sup> | 2b            | ●●● | 1/3         |
|                                                                 | Rm > 950 N/mm <sup>2</sup>   | 2c            | ○○○ | 0/3         |
| Aciers trempés<br><small>Aciers durs</small>                    | 44–56 HRC                    | 3a            | ○○○ | 0/3         |
|                                                                 | 57–67 HRC                    | 3b            | ○○○ | 0/3         |
| Matériaux exotiques<br><small>Alliages spéciaux</small>         | < 32 HRC                     | 4a            | ○○○ | 0/3         |
|                                                                 | > 32 HRC                     | 4b            | ○○○ | 0/3         |
| Graphite<br><small>Graphite industriel</small>                  |                              | 5             | ●●● | 1/3         |
| Fontes<br><small>Fonte grise / nodulaire</small>                | < 32 HRC                     | 6a            | ○○○ | 0/3         |
|                                                                 | > 32 HRC                     | 6b            | ○○○ | 0/3         |
| Titane<br><small>Alliages titane</small>                        | Rm < 600 N/mm <sup>2</sup>   | 7a            | ●●● | 1/3         |
|                                                                 | 600 < Rm N/mm <sup>2</sup>   | 7b            | ●●● | 1/3         |
| Alliages Nickel<br><small>Inconel, Hastelloy</small>            | Rm < 1000 N/mm <sup>2</sup>  | 8a            | ○○○ | 0/3         |
|                                                                 | Rm > 1000 N/mm <sup>2</sup>  | 8b            | ○○○ | 0/3         |
| Cuivre, laiton, bronze<br><small>Cuivreux</small>               | Rm < 850 N/mm <sup>2</sup>   | 9a            | ●●● | 3/3         |
|                                                                 | Rm > 850 N/mm <sup>2</sup>   | 9b            | ●●● | 3/3         |
| Aluminium<br><small>Alliages aluminium</small>                  | Si < 0.5%                    | 10a           | ●●● | 3/3         |
|                                                                 | 0.5% < Si < 5%               | 10b           | ●●● | 3/3         |
|                                                                 | Si > 5%                      | 10c           | ●●● | 1/3         |
| Matières synthétiques<br><small>Plastiques techniques</small>   | Thermoplastique              | 11a           | ●●● | 3/3         |
|                                                                 | Thermodurcissable            | 11b           | ●●● | 3/3         |
| Matières composites<br><small>Composites renforcés</small>      | Fibre de verre / GFK         | 12a           | ●●● | 1/3         |
|                                                                 | Fibre de carbone / KFK       | 12b           | ●●● | 1/3         |
| Métaux précieux<br><small>Or, platine, argent</small>           | Or                           | 13a           | ●●● | 3/3         |
|                                                                 | Platine                      | 13b           | ○○○ | 0/3         |

DESSIN TECHNIQUE



DIMENSIONS

| DIMENSIONS NOMINALES |         |
|----------------------|---------|
| D (0 / -0.01)        | 1 mm    |
| d (h5)               | 3 mm    |
| L                    | 38 mm   |
| l1                   | 1.5 mm  |
| l3                   | –       |
| d3                   | –       |
| R                    | 60 mm   |
| e                    | 0.15 mm |
| Z                    | 2       |
| Chanfrein K          | –       |
| w° collision         | 10°     |

