

E2

NUANCE SUBMICROGRAINS  
USINAGE HAUTE VITESSE DE  
MATIÈRES ABRASIVES

$\lambda = 30^\circ$

ANGLE D'HÉLICE 30°

135°

ANGLE DE POINTE 135°



LONGUEUR UTILE LONGUE



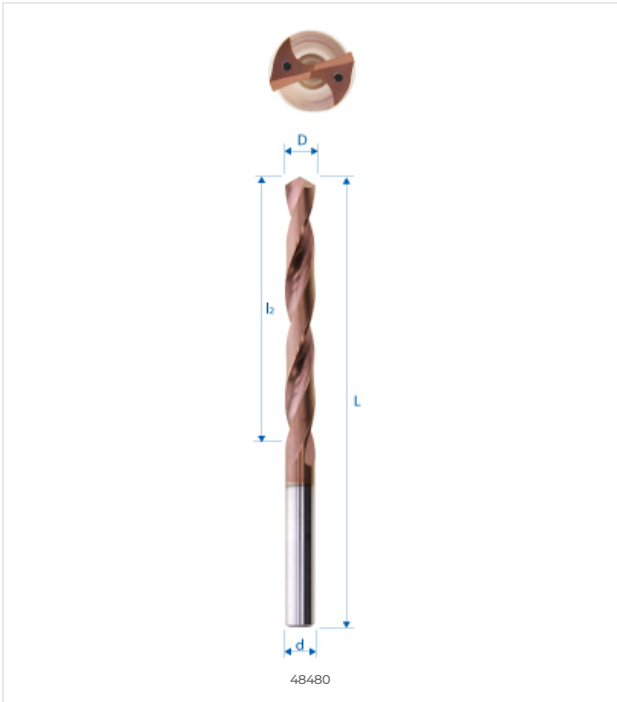
ARROSAGE CENTRAL

COMPATIBILITÉ MATIÈRE

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

| Compatibilité du produit avec les matières |                         |                              |     |            |
|--------------------------------------------|-------------------------|------------------------------|-----|------------|
| CATÉGORIE                                  | MATIÈRE                 | SPÉCIFICATION                | GRP | 48480S-4.1 |
| Aciers alliés et non alliés                | Aciers non alliés       | Rm < 450 N/mm <sup>2</sup>   | 1a  | ●●● 3/3    |
|                                            |                         | Rm 450-700 N/mm <sup>2</sup> | 1b  | ●●● 3/3    |
|                                            |                         | Rm 700-900 N/mm <sup>2</sup> | 1c  | ●●● 3/3    |
|                                            |                         | Rm > 1200 N/mm <sup>2</sup>  | 1d  | ●●● 3/3    |
| Aciers Inox                                | Aciers inoxydables      | Rm < 650 N/mm <sup>2</sup>   | 2a  | ●●● 3/3    |
|                                            |                         | Rm 650-950 N/mm <sup>2</sup> | 2b  | ●●● 3/3    |
|                                            |                         | Rm > 950 N/mm <sup>2</sup>   | 2c  | ●●● 3/3    |
| Aciers trempés                             | Aciers durcis           | 44-56 HRC                    | 3a  | ●○○ 1/3    |
|                                            |                         | 57-67 HRC                    | 3b  | ○○○ 0/3    |
| Matériaux exotiques                        | Alliages spéciaux       | < 32 HRC                     | 4a  | ●●● 3/3    |
|                                            |                         | > 32 HRC                     | 4b  | ●●● 3/3    |
| Graphite                                   | Graphite industriel     |                              | 5   | ●●● 3/3    |
| Fontes                                     | Fonte grise / nodulaire | < 32 HRC                     | 6a  | ●●● 3/3    |
|                                            |                         | > 32 HRC                     | 6b  | ●●● 3/3    |
| Titane                                     | Alliages titane         | Rm < 600 N/mm <sup>2</sup>   | 7a  | ●●● 3/3    |
|                                            |                         | 600 < Rm N/mm <sup>2</sup>   | 7b  | ●●● 3/3    |
| Alliages Nickel                            | Inconel, Hastelloy      | Rm < 1000 N/mm <sup>2</sup>  | 8a  | ●●○ 2/3    |
|                                            |                         | Rm > 1000 N/mm <sup>2</sup>  | 8b  | ●●○ 2/3    |
| Cuivre, laiton, bronze                     | Cuivreux                | Rm < 850 N/mm <sup>2</sup>   | 9a  | ●●● 3/3    |
|                                            |                         | Rm > 850 N/mm <sup>2</sup>   | 9b  | ●●● 3/3    |
| Aluminium                                  | Alliages aluminium      | Si < 0.5%                    | 10a | ●●● 3/3    |
|                                            |                         | 0.5% < Si < 5%               | 10b | ●●● 3/3    |
|                                            |                         | Si > 5%                      | 10c | ●●● 3/3    |
| Matières synthétiques                      | Plastiques techniques   | Thermoplastique              | 11a | ●●● 3/3    |
|                                            |                         | Thermodurcissable            | 11b | ●●● 3/3    |
| Matières composites                        | Composites renforcés    | Fibre de verre / GFK         | 12a | ●●● 3/3    |
|                                            |                         | Fibre de carbone / KFK       | 12b | ●●● 3/3    |
| Métaux précieux                            | Or, platine, argent     | Or                           | 13a | ●●● 3/3    |
|                                            |                         | Platine                      | 13b | ●●○ 2/3    |

DESSIN TECHNIQUE



DIMENSIONS

| DIMENSIONS NOMINALES |        |
|----------------------|--------|
| D (0 / -0.01)        | 4.1 mm |
| d (h5)               | 6 mm   |
| L                    | 74 mm  |
| l1                   | 36 mm  |
| l3                   | —      |
| d3                   | —      |
| R                    | —      |
| e                    | —      |
| Z                    | 2      |
| Chanfrein K          | —      |
| w° collision         | 1.4°   |

