

FRAISE-HÉMISPHERIQUE Z2 · BALL-NOSE-ENDMILL Z2 · HALBRUND-FRÄSER Z2



21416D-8

Version du 21.06.2026

SWISS MADE

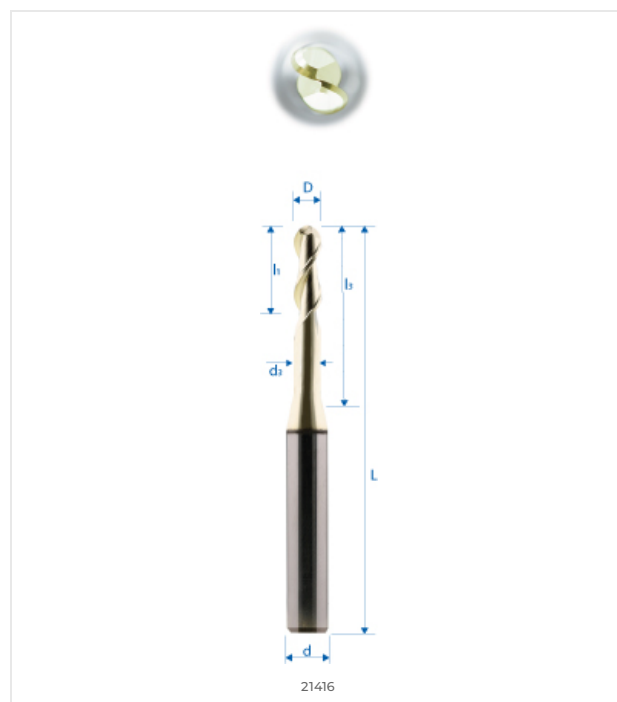
| | | | | | | |
|--|--|--|------------------------------------|--|--|---------------------------------------|
| E2 OUTIL E2 MATÉRIAU HAUTE PRÉCISION | $\lambda = 40^\circ$ $\gamma = 20^\circ$ ANGLES DE COUPE ? 40° ?20° | OUTIL À RAINURE EN U HÉMISPHERIQUE | FORET HÉLICOÏDAL À DOUBLE SENS | l_1 2,2xD PROFONDEUR 2,2XD POUR OUTILS | l_3 OUTIL DE CONTACT TROIS POINTS | INDICATEUR D'USURE OUTIL STANDARD |
|--|--|--|------------------------------------|--|--|---------------------------------------|

COMPATIBILITÉ MATIÈRE

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

| MATIÈRE | SPÉCIFICATION | GRP | 21416D-8 |
|--|------------------------------|-----|----------|
| Aciers alliés et non alliés <small>Aciers non alliés</small> | Rm < 450 N/mm ² | 1a | ○○○ |
| | Rm 450–700 N/mm ² | 1b | ○○○ |
| | Rm 700–900 N/mm ² | 1c | ○○○ |
| | Rm > 1200 N/mm ² | 1d | ○○○ |
| Aciers Inox <small>Aciers inoxydables</small> | Rm < 650 N/mm ² | 2a | ○○○ |
| | Rm 650–950 N/mm ² | 2b | ○○○ |
| | Rm > 950 N/mm ² | 2c | ○○○ |
| Aciers trempés <small>Aciers durcis</small> | 44–56 HRC | 3a | ○○○ |
| | 57–67 HRC | 3b | ○○○ |
| Matériaux exotiques <small>Alliages spéciaux</small> | < 32 HRC | 4a | ○○○ |
| | > 32 HRC | 4b | ○○○ |
| Graphite <small>Graphite industriel</small> | | 5 | ●●● |
| Fontes <small>Fonte grise / nodulaire</small> | < 32 HRC | 6a | ○○○ |
| | > 32 HRC | 6b | ○○○ |
| Titane <small>Alliages titane</small> | Rm < 600 N/mm ² | 7a | ○○○ |
| | 600 < Rm N/mm ² | 7b | ○○○ |
| Alliages Nickel <small>Inconel, Hastelloy</small> | Rm < 1000 N/mm ² | 8a | ○○○ |
| | Rm > 1000 N/mm ² | 8b | ○○○ |
| Cuivre, laiton, bronze <small>Cuivreux</small> | Rm < 850 N/mm ² | 9a | ●●● |
| | Rm > 850 N/mm ² | 9b | ●●● |
| Aluminium <small>Alliages aluminium</small> | Si < 0.5% | 10a | ●○○ |
| | 0.5% < Si < 5% | 10b | ●●● |
| | Si > 5% | 10c | ●●● |
| Matières synthétiques <small>Plastiques techniques</small> | Thermoplastique | 11a | ○○○ |
| | Thermodurcissable | 11b | ○○○ |
| Matières composites <small>Composites renforcés</small> | Fibre de verre / GFK | 12a | ●●● |
| | Fibre de carbone / KFK | 12b | ●●● |
| Métaux précieux <small>Or, platine, argent</small> | Or | 13a | ●○○ |
| | Platine | 13b | ●●● |

DESSIN TECHNIQUE



DIMENSIONS

| DIMENSIONS NOMINALES | |
|----------------------|-------|
| D (0 / -0.01) | 8 mm |
| d (h5) | 8 mm |
| L | 63 mm |
| l1 | 19 mm |
| l3 | 26 mm |
| d3 | - |
| R | 4 mm |
| e | - |
| Z | 2 |
| Chanfrein K | - |
| w° collision | - |



E-SHOP / EZI CUT
eskenazi.ch/eshop/21416D-8