

# FRAISE-D'ÉBAUCHE-MD-E2+-EZI-ALPHA+L3-POUR-ACIERS · ROUGHING-ENDMILL-SC-E2+-EZI-ALPHA+L3-FOR-STEEL · SCHAFT-SCHRUPPFRÄSER-HM-E2+-EZI-ALPHA+L3-FÜR-STAHL



SWISS MADE

22139A-5-6

Version du 21.06.2026

5  
Ø D (MM)

57  
L (MM)

3  
Z

## COMPATIBILITÉ MATIÈRE

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

| MATIÈRE  | SPÉCIFICATION                | GRP | 22139A-5-6 |
|--|------------------------------|-----|------------|
| <b>Aciers alliés et non alliés</b><br><small>Aciers non alliés</small> | Rm < 450 N/mm <sup>2</sup>   | 1a  | ●●●        |
|  | Rm 450-700 N/mm <sup>2</sup> | 1b  | ●●●        |
|  | Rm 700-900 N/mm <sup>2</sup> | 1c  | ●●●        |
|  | Rm > 1200 N/mm <sup>2</sup>  | 1d  | ●●○        |
| <b>Aciers Inox</b><br><small>Aciers inoxydables</small>                | Rm < 650 N/mm <sup>2</sup>   | 2a  | ●●●        |
|  | Rm 650-950 N/mm <sup>2</sup> | 2b  | ●●●        |
|  | Rm > 950 N/mm <sup>2</sup>   | 2c  | ●●●        |
| <b>Aciers trempés</b><br><small>Aciers durcis</small>                  | 44-56 HRC                    | 3a  | ●●○        |
|  | 57-67 HRC                    | 3b  | ●○○        |
| <b>Matériaux exotiques</b><br><small>Alliages spéciaux</small>         | < 32 HRC                     | 4a  | ●●○        |
|  | > 32 HRC                     | 4b  | ●●○        |
| <b>Graphite</b><br><small>Graphite industriel</small>                  |                              | 5   | ○○○        |
| <b>Fontes</b><br><small>Fonte grise / nodulaire</small>                | < 32 HRC                     | 6a  | ●●●        |
|  | > 32 HRC                     | 6b  | ●●●        |
| <b>Titane</b><br><small>Alliages titane</small>                        | Rm < 600 N/mm <sup>2</sup>   | 7a  | ●●○        |
|  | 600 < Rm N/mm <sup>2</sup>   | 7b  | ●●○        |
| <b>Alliages Nickel</b><br><small>Inconel, Hastelloy</small>            | Rm < 1000 N/mm <sup>2</sup>  | 8a  | ●●○        |
|  | Rm > 1000 N/mm <sup>2</sup>  | 8b  | ●●○        |
| <b>Cuivre, laiton, bronze</b><br><small>Cuivreux</small>               | Rm < 850 N/mm <sup>2</sup>   | 9a  | ○○○        |
|  | Rm > 850 N/mm <sup>2</sup>   | 9b  | ○○○        |
| <b>Aluminium</b><br><small>Alliages aluminium</small>                  | Si < 0.5%                    | 10a | ○○○        |
|  | 0.5% < Si < 5%               | 10b | ○○○        |
|  | Si > 5%                      | 10c | ○○○        |
| <b>Matières synthétiques</b><br><small>Plastiques techniques</small>   | Thermoplastique              | 11a | ○○○        |
|  | Thermodurcissable            | 11b | ○○○        |
| <b>Matières composites</b><br><small>Composites renforcés</small>      | Fibre de verre / GFK         | 12a | ○○○        |
|  | Fibre de carbone / KFK       | 12b | ○○○        |
| <b>Métaux précieux</b><br><small>Or, platine, argent</small>           | Or                           | 13a | ○○○        |
|  | Platine                      | 13b | ●○○        |

## DESSIN TECHNIQUE



## DIMENSIONS

| DIMENSIONS NOMINALES |       |
|----------------------|-------|
| D (0 / -0.01)        | 5 mm  |
| d (h5)               | 6 mm  |
| L                    | 57 mm |
| l1                   | 7 mm  |
| l3                   | 15 mm |
| d3                   | -     |
| R                    | -     |
| e                    | -     |
| Z                    | 3     |
| Chanfrein K          | 0.1   |
| w° collision         | 1.8°  |



E-SHOP / EZI CUT  
eskenazi.ch/eshop/22139A-5-6

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