**FRAISE POUR ALLIAGES RM < 1000**
**FRÄSER FÜR WERKSTOFFE RM < 1000**
**ENDMILL FOR ALLOYS RM < 1000**

# 21139A-12

Version du
21.01.2025

E2 | λ = 48° Y = 0° | 0.05-0.15 45° | $l_1$ 1.5 x D | $l_3$

Compatibilité outil / matière
Werkzeug / Werkstoffverträglickkeit
Tool / Material compatibility

● 1/3
● 2/3
● 3/3

ESHOP / EZI CUT

| | | Groupe | EZI - ALPHA 3 Vc [m/min] | |
|---|---|---|---|---|
| ACIERS ALLIÉS ET NON ALLIÉS UNLEGIERTE STÄHLE NON-ALLOYED STEELS | Rm < 450 N/mm² | 1a | 290 | ● |
| | Rm 450 - 700 N/mm² | 1b | 220 | ● |
| | Rm 700 - 900 N/mm² | 1c | 150 | ● |
| | Rm < 1200 N/mm² | 1d | 90 | ● |
| ACIERS INOX ROSTFREIE STÄHLE STAINLESS STEELS | Rm < 650 N/mm² | 2a | 90 | ● |
| | Rm 650 - 950 N/mm² | 2b | 80 | ● |
| | Rm > 950 N/mm² | 2c | 65 | ● |
| ACIERS TREMPÉS GEHÄRTETE STÄHLE HARDENED STEELS | 44 - 56 HRC | 3a | 40 | ● |
| | 57 - 67 HRC | 3b | 25 | ● |
| MATÉRIAUX EXOTIQUES EXOTISCHE WERKSTOFFE EXOTIC MATERIALS | < 32 HRC | 4a | 60 | ● |
| | > 32 HRC | 4b | 35 | ● |
| GRAPHITE | | 5 | | |
| FONTES GUSS CAST IRON | < 32 HRC | 6a | 150 | ● |
| | > 32 HRC | 6b | 115 | ● |
| TITANE TITAN | Rm < 800 N/mm² | 7a | 80 | ● |
| | 800 < Rm N/mm² | 7b | 65 | ● |
| ALLIAGES NICKEL NICKEL NICKEL ALLOYS | Rm < 1000 N/mm² | 8a | 40 | ● |
| | 1000 < Rm N/mm² | 8b | 30 | ● |
| CUIVRE, LAITON, BRONZE KUPFER, MESSING, BRONZE COPPER, BRASS, BRONZE | Rm < 850 N/mm² | 9a | | |
| | 850 < Rm N/mm² | 9b | | |
| ALUMINIUM | Si < 0.5% | 10a | | |
| | 0.5% < Si < 5% | 10b | | |
| | Si > 5% | 10c | | |
| MATIÈRES SYNTHÉTIQUES KUNSTSTOFFE SYNTHETIC MATERIALS | Thermoplast | 11a | | |
| | Duraplast | 11b | | |
| MATIÈRES COMPOSITES FASERVERST. MATERIALEN COMPOSITE MATERIALS | Fibre de verre | 12a | | |
| | Fibre de carbone | 12b | | |
| MÉTAUX PRÉCIEUX EDELMETALLE PRECIOUS MATERIALS | Or • Gold | 13a | | |
| | Platine | 13b | 40 | ● |

| | |
|---|---|
| D (h10) | 12 |
| d (h6) | 12 |
| L | 83 |
| l1 | 18 |
| l3 | 37 |
| d3 | 11.00 |
| R | |
| e | |
| Z | 4 |
| Chanfrein | |
| K | |
| w° collision | |