

# Обзор фрез

| Исполнение                                   | Ø          | Число<br>зубьев<br>z | R | Центральный<br>рез | P | M | K | N | S | H<br>[HRC] | Угол<br>спирали | Покрытие     | Стр. |
|--|------------|----------------------|---|--------------------|---|---|---|---|---|------------|-----------------|--------------|------|
| <b>VHM - Монолитные твёрдосплавные фрезы</b> |            |                      |   |                    |   |   |   |   |   |            |                 |              |      |
| <b>AF</b>                                    |            |                      |   |                    |   |   |   |   |   |            |                 |              |      |
| AF50526 Mini                                 | 0,4 - 4,0  | 2                    |   | ✓                  | ● |   |   |   |   |            | 30°             | TiAlN        | 24   |
| AF60125 Короткая                             | 2,0 - 20,0 | 2                    |   | ✓                  | ● | ● | ● |   |   |            | 30°             | TiAlN        | 27   |
| AF50120 -R Короткая                          | 2,0 - 12,0 | 2                    | ✓ | ✓                  | ● | ● | ● |   |   |            | 30°             | TiAlN        | 28   |
| AF50121 Длинная                              | 2,0        | 2                    |   | ✓                  | ● | ● | ● |   |   |            | 30°             | TiAlN        | 29   |
| AF60121 Длинная                              | 2,8 - 20,0 | 2                    |   | ✓                  | ● | ● | ● |   |   |            | 30°             | TiAlN        | 29   |
| AF50121 -R Длинная                           | 3,0 - 12,0 | 2                    | ✓ | ✓                  | ● | ● | ● |   |   |            | 30°             | TiAlN        | 30   |
| AF50122 Сверхдлинная                         | 3,0 - 20,0 | 2                    |   | ✓                  | ● | ● | ● |   |   |            | 30°             | TiAlN        | 31   |
| AF50135 Ультракороткая                       | 0,5 - 1,8  | 3                    |   | ✓                  | ● | ● | ● |   |   |            | 30°             | TiAlN        | 36   |
| AF60135 Ультракороткая                       | 2,0 - 20,0 | 3                    |   | ✓                  | ● | ● | ● |   |   |            | 30°             | TiAlN        | 36   |
| AF61330 Короткая                             | 2,0 - 20,0 | 3                    |   | ✓                  | ● | ● | ● |   |   |            | 30°             | TiAlN        | 37   |
| AF60131 Длинная                              | 3,0 - 20,0 | 3                    |   | ✓                  | ● | ● | ● |   |   |            | 30°             | TiAlN        | 38   |
| AF60231 Длинная                              | 3,0 - 20,0 | 3                    |   | ✓                  | ● | ● | ● |   |   |            | 45°             | TiAlN        | 39   |
| AF50140 Короткая                             | 1,0 - 20,0 | 4                    |   |                    | ● | ● | ● |   |   |            | 30°             | TiAlN        | 40   |
| AF50140 -R Короткая                          | 2,0 - 12,0 | 4                    | ✓ | ✓                  | ● | ● | ● |   |   |            | 30°             | TiAlN        | 41   |
| AF60140 Короткая                             | 2,0 - 20,0 | 4                    |   |                    | ● | ● | ● |   |   |            | 30°             | TiAlN        | 42   |
| AF50141 Длинная                              | 2,0        | 4                    |   |                    | ● | ● | ● |   |   |            | 30°             | TiAlN        | 43   |
| AF60141 Длинная                              | 3,0 - 20,0 | 4                    |   |                    | ● | ● | ● |   |   |            | 30°             | TiAlN        | 43   |
| AF50141 -R Длинная                           | 3,0 - 12,0 | 4                    | ✓ | ✓                  | ● | ● | ● |   |   |            | 30°             | TiAlN        | 44   |
| AF50142 Сверхдлинная                         | 3,0 - 20,0 | 4                    |   | ✓                  | ● | ● | ● |   |   |            | 30°             | TiAlN        | 45   |
| AF614.1 Длинная                              | 6,0 - 25,0 | 3-5                  |   | ✓                  | ● | ● | ● |   | ○ |            | 30°             | TiAlN        | 47   |
| <b>AFJ</b>                                   |            |                      |   |                    |   |   |   |   |   |            |                 |              |      |
| AFJ612.1 Длинная                             | 6,0 - 25,0 | 3-4                  |   | ✓                  | ○ | ● |   |   |   | ●          | 50°             | TiAlN        | 58   |
| AFJ602.0 Длинная                             | 6,0 - 20,0 | 6-8                  |   |                    | ○ | ● |   |   |   | ●          | 45°             | TiAlN        | 59   |
| AFJ619.1 Длинная                             | 4,0 - 25,0 | 3-6                  |   |                    | ○ | ● |   |   |   | ●          | 45°             | TiAlN        | 60   |
| <b>AFA</b>                                   |            |                      |   |                    |   |   |   |   |   |            |                 |              |      |
| AFA51521 Длинная                             | 3,0 - 20,0 | 2                    |   | ✓                  |   |   |   | ■ |   |            | 45°             | Без покрытия | 72   |
| AFA50720 -R Длинная                          | 4,0 - 20,0 | 2                    | ✓ | ✓                  |   |   |   | ■ |   |            | 30°             | TiCN         | 73   |
| AFA51522 Сверхдлинная                        | 1,0 - 20,0 | 2                    |   | ✓                  |   |   |   | ■ |   |            | 45°             | TiCN         | 74   |
| AFA52330 Длинная                             | 3,5 - 20,0 | 3                    |   | ✓                  |   |   |   | ■ |   |            | 30°             | Без покрытия | 76   |
| AFA51531 Длинная                             | 3,0 - 20,0 | 3                    |   | ✓                  |   |   |   | ■ |   |            | 45°             | TiCN         | 77   |
| AFA51532 Сверхдлинная                        | 3,0 - 20,0 | 3                    |   | ✓                  |   |   |   | ■ |   |            | 45°             | TiCN         | 78   |
| AFA52131 Длинная                             | 4,0 - 20,0 | 3                    |   | ✓                  |   |   |   | ■ |   |            | 42°             | TiCN         | 80   |
| AFA51431 Длинная                             | 6,0 - 25,0 | 3                    |   | ✓                  |   |   |   | ■ |   |            | 30°             | TiCN         | 81   |
| AFA61431 Длинная                             | 6,0 - 25,0 | 3                    |   | ✓                  |   |   |   | ■ |   |            | 30°             | Без покрытия | 82   |
| <b>AFD</b>                                   |            |                      |   |                    |   |   |   |   |   |            |                 |              |      |
| AFD50724 -R Mini                             | 0,2 - 6,0  | 2                    | ✓ | ✓                  |   |   |   | ■ |   |            | 30°             | Diamant      | 94   |
| AFD50727 -R                                  | 1,0 - 2,0  | 2                    | ✓ | ✓                  |   |   |   | ■ |   |            | 30°             | Diamant      | 95   |
| AFD50121 Длинная                             | 0,5 - 12,0 | 2                    |   | ✓                  |   |   |   | ■ |   |            | 30°             | Diamant      | 96   |
| AFD51520 Короткая                            | 1,0 - 20,0 | 2                    |   | ✓                  |   |   |   | ■ |   |            | 45°             | Diamant      | 97   |
| AFD54030 -R Короткая                         | 2,0 - 12,0 | 3                    | ✓ | ✓                  |   |   |   | ■ |   |            | 40°             | Diamant      | 104  |
| AFD54031 -R Длинная                          | 2,0 - 12,0 | 3                    | ✓ | ✓                  |   |   |   | ■ |   |            | 40°             | Diamant      | 105  |
| AFD50740 -R                                  | 6,0 - 12,0 | 4                    | ✓ | ✓                  |   |   |   | ■ |   |            | 30°             | Diamant      | 107  |
| <b>AFG</b>                                   |            |                      |   |                    |   |   |   |   |   |            |                 |              |      |
| AFG50120 Короткая                            | 2,0 - 25,0 | 2                    |   | ✓                  | ● | ● |   |   |   | <50        | 30°             | TiAlN        | 148  |
| AFG50121 Длинная                             | 2,0 - 25,0 | 2                    |   | ✓                  | ● |   |   |   |   | <50        | 30°             | TiAlN        | 149  |
| AFG50745 -R Ультракороткая                   | 2,0 - 16,0 | 4                    | ✓ |                    | ● | ● |   |   |   | <50        | 30°             | TiAlN        | 155  |
| AFG50140 Короткая                            | 2,0 - 25,0 | 4                    |   |                    | ● | ● |   |   |   | <50        | 30°             | TiAlN        | 156  |
| AFG50741 -R Длинная                          | 3,0 - 20,0 | 4                    | ✓ |                    | ● |   |   |   |   | <50        | 30°             | TiAlN        | 157  |
| AFG50141 Длинная                             | 2,0 - 25,0 | 4                    |   |                    | ● |   |   |   |   | <50        | 30°             | TiAlN        | 158  |
| AFG502.0 Длинная                             | 4,0 - 25,0 | 4-8                  |   |                    | ● |   |   |   |   | <50        | 45°             | TiAlN        | 159  |
| AFG50861 -R Длинная                          | 6,0 - 20,0 | 6                    | ✓ |                    | ● |   |   |   |   | <50        | 45°             | TiAlN        | 160  |
| AFG50262 Сверхдлинная                        | 6,0 - 25,0 | 6                    |   |                    | ● |   |   |   |   | <50        | 45°             | TiAlN        | 161  |
| AFG606.0 Короткая                            | 6,0 - 25,0 | 3-5                  |   |                    | ● |   |   |   |   | <50        | 20°             | TiAlN        | 162  |
| AFG606.1 Длинная                             | 6,0 - 25,0 | 3-5                  |   |                    | ● |   |   |   |   | <50        | 20°             | TiAlN        | 163  |

Обработка графита

● = Основное применение  
○ = Допустимое применение

Все размеры указаны в мм