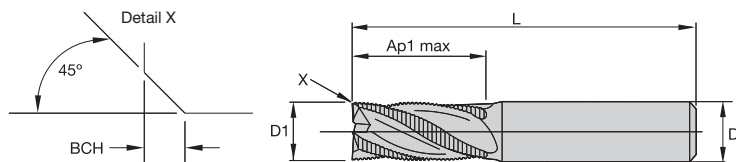
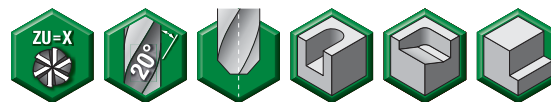


# High-Performance Solid Carbide End Mills • Roughing

Series 4906



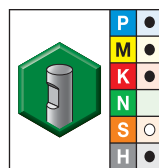
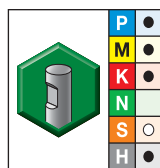
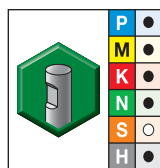
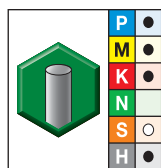
- Centre cutting.
- Fine pitch.
- LW = Multilayer.
- RW = Monolayer.
- Standard items listed. Additional styles and coatings made-to-order.



End Mill Tolerances

| D1      | tolerance d11 | D       | tolerance h6 + / - |
|---------|---------------|---------|--------------------|
| ≤ 3     | -0,020/-0,080 | ≤ 3     | 0/-0,006           |
| > 3-6   | -0,030/-0,105 | > 3-6   | 0/-0,008           |
| > 6-10  | -0,040/-0,130 | > 6-10  | 0/-0,009           |
| > 10-18 | -0,050/-0,160 | > 10-18 | 0/-0,011           |
| > 18-30 | -0,065/-0,195 | > 18-30 | 0/-0,013           |

## Series 4906



- first choice
- alternate choice

| grade TiAlN-RT TiAlN |             | grade TiCN-CW TiCN |             | grade TiAlN-LW TiAlN |             | grade TiAlN-RW TiAlN |             | length of cut |    | length  |     |      |    |
|----------------------|-------------|--------------------|-------------|----------------------|-------------|----------------------|-------------|---------------|----|---------|-----|------|----|
| order #              | catalogue # | order #            | catalogue # | order #              | catalogue # | order #              | catalogue # | D1            | D  | Ap1 max | L   | BCH  | ZU |
| 1657001              | 490604002RT | 1656997            | 490604002CW | 1657000              | 490604002LW | 1657002              | 490604002RW | 4,0           | 6  | 11,00   | 55  | 0,30 | 3  |
| 1657009              | 490605002RT | 1657007            | 490605002CW | 1657008              | 490605002LW | 1657010              | 490605002RW | 5,0           | 6  | 13,00   | 57  | 0,30 | 3  |
| 1657018              | 490606002RT | 1657016            | 490606002CW | 1657017              | 490606002LW | 1657019              | 490606002RW | 6,0           | 6  | 13,00   | 57  | 0,30 | 3  |
| 3133084              | 490607003RT | 1657023            | 490607003CW | 1657024              | 490607003LW | 1657025              | 490607003RW | 7,0           | 8  | 16,00   | 63  | 0,30 | 3  |
| 1657033              | 490608003RT | 1657031            | 490608003CW | 1657032              | 490608003LW | 1657034              | 490608003RW | 8,0           | 8  | 16,00   | 63  | 0,30 | 3  |
| 3133085              | 490609004RT | 1657039            | 490609004CW | 1657040              | 490609004LW | 1657041              | 490609004RW | 9,0           | 10 | 19,00   | 72  | 0,50 | 4  |
| 1657050              | 490610004RT | 1657048            | 490610004CW | 1657049              | 490610004LW | 1657051              | 490610004RW | 10,0          | 10 | 22,00   | 72  | 0,50 | 4  |
| 3133086              | 490611005RT | 1657055            | 490611005CW | 1968092              | 490611005LW | 1657056              | 490611005RW | 11,0          | 12 | 26,00   | 83  | 0,50 | 4  |
| 1657063              | 490612005RT | 1657061            | 490612005CW | 1657062              | 490612005LW | 1657064              | 490612005RW | 12,0          | 12 | 26,00   | 83  | 0,50 | 4  |
| 3133087              | 490613014RT | 1657068            | 490613014CW | 1968204              | 490613014LW | 1657069              | 490613014RW | 13,0          | 14 | 26,00   | 83  | 0,50 | 4  |
| 1657084              | 490614014RT | 1570244            | 490614014CW | 1657083              | 490614014LW | 1657085              | 490614014RW | 14,0          | 14 | 26,00   | 83  | 0,50 | 4  |
| 1657096              | 490616006RT | 1657094            | 490616006CW | 1657095              | 490616006LW | 1657097              | 490616006RW | 16,0          | 16 | 32,00   | 92  | 0,50 | 4  |
| 1657104              | 490618018RT | 1657102            | 490618018CW | 1657103              | 490618018LW | 1657105              | 490618018RW | 18,0          | 18 | 32,00   | 92  | 0,50 | 4  |
| 1657112              | 490620007RT | 1657110            | 490620007CW | 1657111              | 490620007LW | 1657113              | 490620007RW | 20,0          | 20 | 38,00   | 104 | 0,50 | 4  |
| 1657120              | 490625008RT | 1657118            | 490625008CW | 1657119              | 490625008LW | 1657121              | 490625008RW | 25,0          | 25 | 45,00   | 121 | 0,50 | 5  |

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