



**ALLIED**

**THE CUTTING EDGE**

Stocked Endmills 2021

## AT100 Endmills

### Aluminium machining

#### Application

Aluminium, wet or dry.

#### Machine

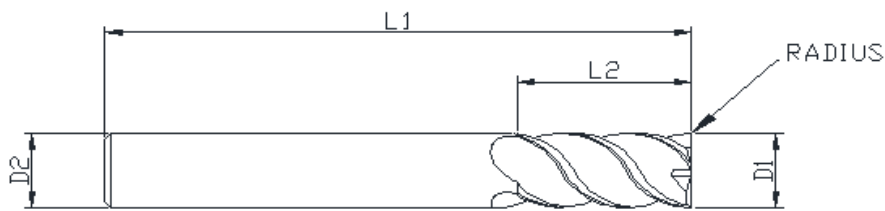
Mechanical.

#### Design

3 flutes. High helix. Straight shank (h6 tolerance)  
Centre cutting. Conditioned finish.

#### Radius

Special radius available  
upon request.



| D1<br>mm | D2<br>mm | L2<br>mm | L1<br>mm | Rad<br>mm | Pt.No.       |
|----------|----------|----------|----------|-----------|--------------|
| 1        | 3        | 3        | 40       | N/A       | AT100.01     |
| 1.5      | 3        | 4        | 40       | N/A       | AT100.015    |
| 2        | 3        | 5        | 40       | N/A       | AT100.02     |
| 2.5      | 3        | 7        | 40       | N/A       | AT100.025    |
| 3        | 3        | 12       | 50       | N/A       | AT100.03     |
| 4        | 4        | 14       | 50       | N/A       | AT100.04     |
| 5        | 5        | 16       | 50       | N/A       | AT100.05     |
| 6        | 6        | 19       | 57       | N/A       | AT100.06     |
| 6        | 6        | 19       | 57       | 0.5       | AT100.06R0.5 |
| 6        | 6        | 19       | 57       | 1.0       | AT100.06R1.0 |
| 8        | 8        | 20       | 63       | N/A       | AT100.08     |
| 8        | 8        | 20       | 63       | 0.5       | AT100.08R0.5 |
| 8        | 8        | 20       | 63       | 1.0       | AT100.08R1.0 |
| 10       | 10       | 22       | 72       | N/A       | AT100.10     |
| 10       | 10       | 22       | 72       | 0.5       | AT100.10R0.5 |
| 10       | 10       | 22       | 72       | 1.0       | AT100.10R1.0 |
| 12       | 12       | 26       | 83       | N/A       | AT100.12     |
| 12       | 12       | 26       | 83       | 0.5       | AT100.12R0.5 |
| 12       | 12       | 26       | 83       | 1.0       | AT100.12R1.0 |
| 16       | 16       | 32       | 92       | N/A       | AT100.16     |
| 16       | 16       | 32       | 92       | 0.5       | AT100.16R0.5 |
| 16       | 16       | 32       | 92       | 1.0       | AT100.16R1.0 |
| 20       | 20       | 38       | 104      | N/A       | AT100.20     |
| 20       | 20       | 38       | 104      | 0.5       | AT100.20R0.5 |
| 20       | 20       | 38       | 104      | 1.0       | AT100.20R1.0 |



## Variable Helix Endmills

### General machining

#### Application

General machining.

#### Machine

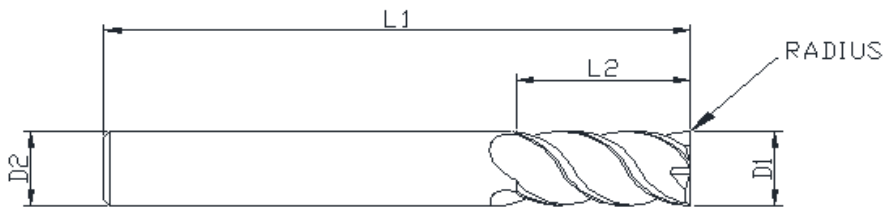
Mechanical.

#### Design

4 flutes. Square corners. Straight shank (h6 tolerance)  
Centre cutting. Variable flute spacing. Harmonic flute  
geometry. Alcrona coating.

#### Radius

Any radius up to 3mm available  
upon request.



#### Standard Series

| D1<br>mm | D2<br>mm | L2<br>mm | L1<br>mm | Pt.No.  |
|----------|----------|----------|----------|---------|
| 2        | 3        | 4        | 39       | VHC02.0 |
| 3        | 3        | 6        | 39       | VHC03.0 |
| 4        | 4        | 18       | 57       | VHC04.0 |
| 5        | 5        | 18       | 57       | VHC05.0 |
| 6        | 6        | 20       | 58       | VHC06.0 |
| 8        | 8        | 21       | 64       | VHC08.0 |
| 10       | 10       | 22       | 73       | VHC10.0 |
| 12       | 12       | 27       | 83       | VHC12.0 |
| 16       | 16       | 33       | 93       | VHC16.0 |
| 20       | 20       | 40       | 105      | VHC20.0 |

#### Long Series

| D1<br>mm | D2<br>mm | L2<br>mm | L1<br>mm | Pt.No.    |
|----------|----------|----------|----------|-----------|
| 4        | 4        | 35       | 105      | VHC04.0LS |
| 5        | 5        | 35       | 105      | VHC05.0LS |
| 6        | 6        | 35       | 105      | VHC06.0LS |
| 8        | 8        | 40       | 105      | VHC08.0LS |
| 10       | 10       | 40       | 105      | VHC10.0LS |
| 12       | 12       | 45       | 105      | VHC12.0LS |
| 16       | 16       | 50       | 105      | VHC16.0LS |



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