

## End Mills for Aluminium

## アルミ用エンドミル

1 枚刃

1 Flute



0~-0.1



0~-0.015

(mm)



1AL○○



| 商品コード<br>Item Code | 在庫<br>Stock | 寸法 Size (mm)    |                    |                      |                     |
|--------------------|-------------|-----------------|--------------------|----------------------|---------------------|
|                    |             | 外径<br>Mill Dia. | 刃長<br>Flute Length | 全長<br>Overall Length | シャンク径<br>Shank Dia. |
| 1AL4               | ●           | 4               | 12                 | 60                   | 8                   |
| 1AL5               | ●           | 5               | 15                 | 60                   | 8                   |
| 1AL6               | ●           | 6               | 15                 | 60                   | 8                   |
| 1AL8               | ●           | 8               | 20                 | 75                   | 8                   |
| 1AL10              | ●           | 10              | 25                 | 90                   | 10                  |

●印：標準在庫品です。  
●：Stocked Items.

2 枚刃

2 Flutes



0~-0.03



6<Ds≤10 : 0~-0.012  
10<Ds≤18 : 0~-0.015  
18<Ds : 0~-0.018  
18<Ds : 0~-0.021

(mm)



2AL○○



| 商品コード<br>Item Code | 在庫<br>Stock | 寸法 Size (mm)    |                    |                      |                     |
|--------------------|-------------|-----------------|--------------------|----------------------|---------------------|
|                    |             | 外径<br>Mill Dia. | 刃長<br>Flute Length | 全長<br>Overall Length | シャンク径<br>Shank Dia. |
| 2AL3               | ●           | 3               | 10                 | 55                   | 6                   |
| * 2AL3.1           | □           | 3.1             | 12                 | 60                   | 6                   |
| * 2AL3.2           | □           | 3.2             | 12                 | 60                   | 6                   |
| * 2AL3.3           | □           | 3.3             | 12                 | 60                   | 6                   |
| * 2AL3.4           | □           | 3.4             | 12                 | 60                   | 6                   |
| * 2AL3.5           | □           | 3.5             | 12                 | 60                   | 6                   |
| * 2AL3.6           | □           | 3.6             | 12                 | 60                   | 6                   |
| * 2AL3.7           | □           | 3.7             | 12                 | 60                   | 6                   |
| * 2AL3.8           | □           | 3.8             | 12                 | 60                   | 6                   |
| * 2AL3.9           | □           | 3.9             | 12                 | 60                   | 6                   |
| 2AL4               | ●           | 4               | 12                 | 60                   | 6                   |
| * 2AL4.1           | □           | 4.1             | 15                 | 60                   | 6                   |
| * 2AL4.2           | □           | 4.2             | 15                 | 60                   | 6                   |
| * 2AL4.3           | □           | 4.3             | 15                 | 60                   | 6                   |
| * 2AL4.4           | □           | 4.4             | 15                 | 60                   | 6                   |
| * 2AL4.5           | □           | 4.5             | 15                 | 60                   | 6                   |
| * 2AL4.6           | □           | 4.6             | 15                 | 60                   | 6                   |
| * 2AL4.7           | □           | 4.7             | 15                 | 60                   | 6                   |
| * 2AL4.8           | □           | 4.8             | 15                 | 60                   | 6                   |
| * 2AL4.9           | □           | 4.9             | 15                 | 60                   | 6                   |
| 2AL5               | ●           | 5               | 15                 | 60                   | 6                   |
| * 2AL5.1           | □           | 5.1             | 15                 | 60                   | 6                   |
| * 2AL5.2           | □           | 5.2             | 15                 | 60                   | 6                   |
| * 2AL5.3           | □           | 5.3             | 15                 | 60                   | 6                   |
| * 2AL5.4           | □           | 5.4             | 15                 | 60                   | 6                   |
| * 2AL5.5           | □           | 5.5             | 15                 | 60                   | 6                   |
| * 2AL5.6           | □           | 5.6             | 15                 | 60                   | 6                   |
| * 2AL5.7           | □           | 5.7             | 15                 | 60                   | 6                   |
| * 2AL5.8           | □           | 5.8             | 15                 | 60                   | 6                   |
| * 2AL5.9           | □           | 5.9             | 15                 | 60                   | 6                   |
| 2AL6               | ●           | 6               | 15                 | 60                   | 6                   |
| * 2AL6.1           | □           | 6.1             | 16                 | 60                   | 8                   |
| * 2AL6.2           | □           | 6.2             | 16                 | 60                   | 8                   |
| * 2AL6.3           | □           | 6.3             | 16                 | 60                   | 8                   |
| * 2AL6.4           | □           | 6.4             | 16                 | 60                   | 8                   |
| * 2AL6.5           | □           | 6.5             | 16                 | 60                   | 8                   |
| * 2AL6.6           | □           | 6.6             | 16                 | 60                   | 8                   |
| * 2AL6.7           | □           | 6.7             | 16                 | 60                   | 8                   |
| * 2AL6.8           | □           | 6.8             | 16                 | 60                   | 8                   |
| * 2AL6.9           | □           | 6.9             | 16                 | 60                   | 8                   |
| 2AL7               | ●           | 7               | 20                 | 70                   | 8                   |
| * 2AL7.1           | □           | 7.1             | 20                 | 70                   | 8                   |
| * 2AL7.2           | □           | 7.2             | 20                 | 70                   | 8                   |
| * 2AL7.3           | □           | 7.3             | 20                 | 70                   | 8                   |
| * 2AL7.4           | □           | 7.4             | 20                 | 70                   | 8                   |

●印：標準在庫品です。 □印：特定代理店在庫です。弊社営業へお問合せください。  
●：Stocked Items. □：Stocked by specified distributor. Contact with our sales department.

\*：特定代理店追加品です。  
\*：Added items by specified distributor.

# End Mills for Aluminium アルミ用エンドミル

2 枚刃

2 Flutes



0~-0.03



$Ds \leq 6$  : 0~-0.012  
 $6 < Ds \leq 10$  : 0~-0.015  
 $10 < Ds \leq 18$  : 0~-0.018  
 $18 < Ds$  : 0~-0.021 (mm)



2AL



| 商品コード<br>Item Code | 在庫<br>Stock              | 寸法 Size (mm)    |                    |                      |                     |
|--------------------|--------------------------|-----------------|--------------------|----------------------|---------------------|
|                    |                          | 外径<br>Mill Dia. | 刃長<br>Flute Length | 全長<br>Overall Length | シャンク径<br>Shank Dia. |
| * 2AL7.5           | <input type="checkbox"/> | 7.5             | 20                 | 70                   | 8                   |
| * 2AL7.6           | <input type="checkbox"/> | 7.6             | 20                 | 70                   | 8                   |
| * 2AL7.7           | <input type="checkbox"/> | 7.7             | 20                 | 70                   | 8                   |
| * 2AL7.8           | <input type="checkbox"/> | 7.8             | 20                 | 70                   | 8                   |
| * 2AL7.9           | <input type="checkbox"/> | 7.9             | 20                 | 70                   | 8                   |
| 2AL8               | ●                        | 8               | 20                 | 70                   | 8                   |
| * 2AL8.1           | <input type="checkbox"/> | 8.1             | 20                 | 70                   | 10                  |
| * 2AL8.2           | <input type="checkbox"/> | 8.2             | 20                 | 70                   | 10                  |
| * 2AL8.3           | <input type="checkbox"/> | 8.3             | 20                 | 70                   | 10                  |
| * 2AL8.4           | <input type="checkbox"/> | 8.4             | 20                 | 70                   | 10                  |
| * 2AL8.5           | <input type="checkbox"/> | 8.5             | 20                 | 70                   | 10                  |
| * 2AL8.6           | <input type="checkbox"/> | 8.6             | 20                 | 70                   | 10                  |
| * 2AL8.7           | <input type="checkbox"/> | 8.7             | 20                 | 70                   | 10                  |
| * 2AL8.8           | <input type="checkbox"/> | 8.8             | 20                 | 70                   | 10                  |
| * 2AL8.9           | <input type="checkbox"/> | 8.9             | 20                 | 70                   | 10                  |
| 2AL9               | ●                        | 9               | 25                 | 80                   | 10                  |
| * 2AL9.1           | <input type="checkbox"/> | 9.1             | 25                 | 80                   | 10                  |
| * 2AL9.2           | <input type="checkbox"/> | 9.2             | 25                 | 80                   | 10                  |
| * 2AL9.3           | <input type="checkbox"/> | 9.3             | 25                 | 80                   | 10                  |
| * 2AL9.4           | <input type="checkbox"/> | 9.4             | 25                 | 80                   | 10                  |
| * 2AL9.5           | <input type="checkbox"/> | 9.5             | 25                 | 80                   | 10                  |
| * 2AL9.6           | <input type="checkbox"/> | 9.6             | 25                 | 80                   | 10                  |
| * 2AL9.7           | <input type="checkbox"/> | 9.7             | 25                 | 80                   | 10                  |
| * 2AL9.8           | <input type="checkbox"/> | 9.8             | 25                 | 80                   | 10                  |
| * 2AL9.9           | <input type="checkbox"/> | 9.9             | 25                 | 80                   | 10                  |
| 2AL10              | ●                        | 10              | 25                 | 80                   | 10                  |
| * 2AL10.5          | <input type="checkbox"/> | 10.5            | 30                 | 95                   | 12                  |
| * 2AL11            | <input type="checkbox"/> | 11              | 30                 | 95                   | 12                  |
| * 2AL11.5          | <input type="checkbox"/> | 11.5            | 30                 | 95                   | 12                  |
| 2AL12              | ●                        | 12              | 30                 | 95                   | 12                  |
| * 2AL12.5          | <input type="checkbox"/> | 12.5            | 30                 | 95                   | 12                  |
| * 2AL13            | <input type="checkbox"/> | 13              | 30                 | 95                   | 12                  |
| * 2AL13.5          | <input type="checkbox"/> | 13.5            | 30                 | 95                   | 12                  |
| 2AL14              | ●                        | 14              | 35                 | 105                  | 16                  |
| * 2AL14.5          | <input type="checkbox"/> | 14.5            | 40                 | 110                  | 16                  |
| 2AL15              | ●                        | 15              | 40                 | 110                  | 16                  |
| * 2AL15.5          | <input type="checkbox"/> | 15.5            | 40                 | 110                  | 16                  |
| 2AL16              | ●                        | 16              | 40                 | 110                  | 16                  |
| * 2AL16.5          | <input type="checkbox"/> | 16.5            | 40                 | 110                  | 16                  |
| * 2AL17            | <input type="checkbox"/> | 17              | 40                 | 110                  | 16                  |
| * 2AL17.5          | <input type="checkbox"/> | 17.5            | 40                 | 110                  | 16                  |
| 2AL18              | ●                        | 18              | 40                 | 110                  | 16                  |
| * 2AL18.5          | <input type="checkbox"/> | 18.5            | 40                 | 110                  | 16                  |
| * 2AL19            | <input type="checkbox"/> | 19              | 40                 | 110                  | 16                  |
| * 2AL19.5          | <input type="checkbox"/> | 19.5            | 40                 | 110                  | 16                  |

| 商品コード<br>Item Code | 在庫<br>Stock              | 寸法 Size (mm)    |                    |                      |                     |
|--------------------|--------------------------|-----------------|--------------------|----------------------|---------------------|
|                    |                          | 外径<br>Mill Dia. | 刃長<br>Flute Length | 全長<br>Overall Length | シャンク径<br>Shank Dia. |
| 2AL20              | ●                        | 20              | 45                 | 125                  | 20                  |
| * 2AL20.5          | <input type="checkbox"/> | 20.5            | 45                 | 125                  | 20                  |
| * 2AL21            | <input type="checkbox"/> | 21              | 45                 | 125                  | 20                  |
| * 2AL21.5          | <input type="checkbox"/> | 21.5            | 45                 | 125                  | 20                  |
| 2AL22              | ●                        | 22              | 45                 | 125                  | 20                  |
| * 2AL22.5          | <input type="checkbox"/> | 22.5            | 45                 | 125                  | 20                  |
| * 2AL23            | <input type="checkbox"/> | 23              | 45                 | 125                  | 20                  |
| * 2AL23.5          | <input type="checkbox"/> | 23.5            | 45                 | 125                  | 20                  |
| 2AL24              | <input type="checkbox"/> | 24              | 50                 | 140                  | 25                  |
| * 2AL24.5          | <input type="checkbox"/> | 24.5            | 50                 | 140                  | 25                  |
| 2AL25              | ●                        | 25              | 50                 | 140                  | 25                  |
| * 2AL25.5          | <input type="checkbox"/> | 25.5            | 50                 | 140                  | 25                  |
| 2AL26              | <input type="checkbox"/> | 26              | 50                 | 140                  | 25                  |
| * 2AL26.5          | <input type="checkbox"/> | 26.5            | 50                 | 140                  | 25                  |
| * 2AL27            | <input type="checkbox"/> | 27              | 50                 | 140                  | 25                  |
| * 2AL27.5          | <input type="checkbox"/> | 27.5            | 50                 | 140                  | 25                  |
| 2AL28              | <input type="checkbox"/> | 28              | 55                 | 145                  | 25                  |
| * 2AL28.5          | <input type="checkbox"/> | 28.5            | 55                 | 145                  | 25                  |
| * 2AL29            | <input type="checkbox"/> | 29              | 55                 | 145                  | 25                  |
| * 2AL29.5          | <input type="checkbox"/> | 29.5            | 55                 | 145                  | 25                  |
| 2AL30              | ●                        | 30              | 55                 | 145                  | 25                  |

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