

アルミ加工用 2枚刃スクエアエンドミル

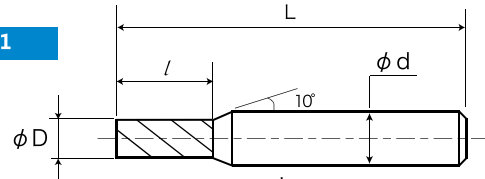
2-Flute Square End Mill for Aluminum

ALHEM2

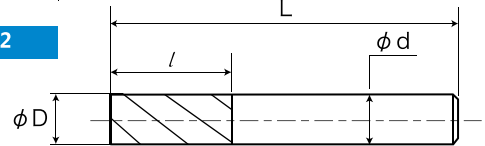


ALHEM2010
Model Flute D

Type 1



Type 2



特性 Features

●Wide Application available in AC/ADC

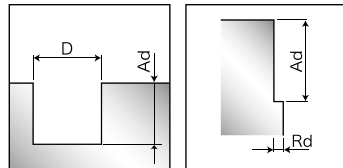
| |
|----------------|
| 外径公差 Tolerance |
| 0 |
| -0.02 |

| 炭素鋼 Carbon Steel | 合金鋼 Alloy Steel | 調質鋼 Prehardened Steel | 焼き入れ鋼 Hardened Steel | | | | 鋳鉄 Cast Iron | ステンレス鋼 Stainless Steels | アルミ合金 Aluminium Alloys | 銅合金 Copper Alloys | チタン合金 耐熱合金 Ti/Ni Alloy | グラファイト Graphite | 樹脂 Resin |
|---------------------|--------------------|--------------------------|----------------------|--------|--------|--------|-----------------|----------------------------|---------------------------|----------------------|------------------------------|--------------------|-------------|
| | | | ~45HRC | ~55HRC | ~60HRC | ~65HRC | | | | | | | |
| | | | | | | | | ◎ | ○ | | ○ | ○ | |

◎ = Best ○ = Good

| MODEL 型番 | D 外径 | l 刃長 | L 全長 | d シャンク径 | Type |
|----------|------|------|------|---------|------|
| ALEM2010 | 1 | 3 | 40 | 4 | 1 |
| ALEM2020 | 2 | 6 | 40 | 4 | 1 |
| ALEM2030 | 3 | 9 | 50 | 6 | 1 |
| ALEM2040 | 4 | 12 | 50 | 6 | 1 |
| ALEM2050 | 5 | 15 | 55 | 6 | 1 |
| ALEM2060 | 6 | 18 | 55 | 6 | 2 |
| ALEM2080 | 8 | 24 | 65 | 8 | 2 |
| ALEM2100 | 10 | 30 | 75 | 10 | 2 |
| ALEM2120 | 12 | 36 | 80 | 12 | 2 |
| ALEM2160 | 16 | 48 | 110 | 16 | 2 |

推奨切削条件 Standard Milling Condition



- The table shows standard milling guidance of perforating process as written picture.
- Use a rigid and precise machine and tool holder.
- Select a cutting fluid appropriate to the particular usage.
- In case the revolution could not be increased by the machine used, please reduce feed speed and revolution at same ratio.
- When mounting End Mills, the run out of the lip will have to be set with in 0.01mm.

| 被削材 Work Material | アルミニウム合金 Aluminium Alloy | | |
|-------------------|--------------------------|-------------------|-------------------------------------|
| | 送り速度 Feed Rate (mm/min) | | 回転数 Revolution (min ⁻¹) |
| 外径 (mm) Diameter | 溝切削 Slotting | 側面切削 Side Milling | |
| 1 | 270 | 400 | 50000 |
| 2 | 270 | 400 | 31800 |
| 3 | 270 | 400 | 21200 |
| 4 | 330 | 500 | 15900 |
| 5 | 330 | 500 | 12700 |
| 6 | 330 | 500 | 10600 |
| 8 | 400 | 600 | 8000 |
| 10 | 400 | 600 | 6400 |
| 12 | 470 | 700 | 5300 |
| 16 | 470 | 700 | 3930 |
| 切削深度 Depth of Cut | Ad≤0.2D | Ad≤1.5D | Rd≤0.2D |

スクエア Square

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ラフィナス Radius

ボール Ball

ロングネック Long Neck

ラフィング Roughing

面取り加工用 Chamfering

ドリル Drill