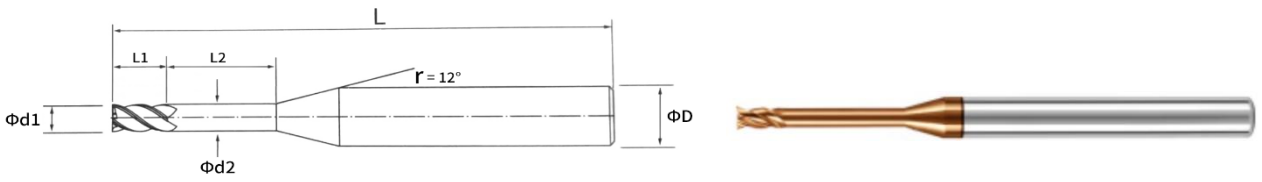


# GC - Square Reduced Neck End Mills - For Mold Steel

## 4-Flutes - 35° Helix



### Applicable table of machinable materials

| P                  |             | H                                 |        |        |        | M               | K                                      | N            |                | S              |                      |
|--------------------|-------------|-----------------------------------|--------|--------|--------|-----------------|----------------------------------------|--------------|----------------|----------------|----------------------|
| Carbon steel       | Alloy steel | Prehardened steel, Hardened steel |        |        |        | Stainless steel | Cast iron, Ductile cast iron<br>~350HB | Copper alloy | Aluminum alloy | Titanium alloy | Heat-resistant alloy |
| Pre hardened steel | Tool steel  |                                   |        |        |        |                 |                                        |              |                |                |                      |
| ~40HRC             |             | ~45HRC                            | ~55HRC | ~60HRC | ~65HRC | ~35HRC          |                                        |              |                |                |                      |
| ●                  |             | ●                                 | ●      | ○      | ○      | ○               | ○                                      | ○            | ○              | ○              | ○                    |

● Highly Suitable ○ Suitable

### Product specifications

Unit: mm

| Item Code | Flute Diameter<br>d1 | Neck Diameter<br>d2 | Flute Length<br>L1 | Neck Length<br>L2 | Effective Length<br>L1+L2 | Shank Diameter<br>D | Overall Length<br>L |
|-----------|----------------------|---------------------|--------------------|-------------------|---------------------------|---------------------|---------------------|
| GC-4FB01  | φ1                   | 0.94                | 1.5                | 4.5               | 6                         | 4                   | 50                  |
| GC-4FB02  | φ1                   | 0.94                | 1.5                | 6.5               | 8                         | 4                   | 50                  |
| GC-4FB03  | φ1.5                 | 1.44                | 2.25               | 3.75              | 6                         | 4                   | 50                  |
| GC-4FB04  | φ1.5                 | 1.44                | 2.25               | 5.75              | 8                         | 4                   | 50                  |
| GC-4FB05  | φ2                   | 1.94                | 3                  | 5                 | 8                         | 4                   | 50                  |
| GC-4FB06  | φ2                   | 1.94                | 3                  | 7                 | 10                        | 4                   | 50                  |
| GC-4FB07  | φ2                   | 1.94                | 3                  | 9                 | 12                        | 4                   | 50                  |
| GC-4FB08  | φ3                   | 2.92                | 4.5                | 5.5               | 10                        | 4                   | 50                  |
| GC-4FB09  | φ3                   | 2.92                | 4.5                | 10.5              | 15                        | 4                   | 50                  |

| d1 (Cutter Diameter) | Tolerance  |
|----------------------|------------|
| φ < 3                | 0 ~ -0.01  |
| 3 ≤ φ ≤ 10           | 0 ~ -0.01  |
| φ > 10               | 0 ~ -0.015 |