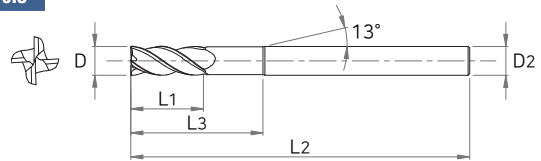
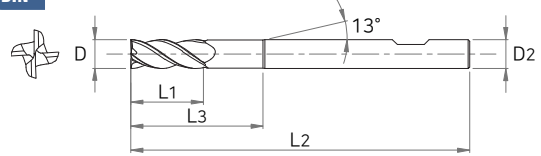


JIS



DIN



### Tolerance

|          | D          | Shank Dia |
|----------|------------|-----------|
| D1 ~ 5.5 | 0 ~ -0.015 | h5        |
| D6 ~ 7   | 0 ~ -0.02  |           |
| D8 ~ 20  | 0 ~ -0.03  |           |



| EDP No      |              | SIZES (mm) |     |     |    |    |
|-------------|--------------|------------|-----|-----|----|----|
| JIS         | DIN          | D          | L1  | L3  | L2 | D2 |
| SE504 010   | SE504 010F   | 1          | 2.5 | 7.5 | 50 | 6  |
| SE504 012   | SE504 012F   | 1.2        | 3   | 8   | 50 | 6  |
| SE504 015   | SE504 015F   | 1.5        | 4   | 9   | 50 | 6  |
| SE504 020   | SE504 020F   | 2          | 6   | 11  | 50 | 6  |
| SE504 025   | SE504 025F   | 2.5        | 7   | 12  | 50 | 6  |
| SE504 030   | SE504 030F   | 3          | 8   | 13  | 55 | 6  |
| SE504 03010 | SE504 03010F | 3          | 10  | 15  | 60 | 6  |
| SE504 035   | SE504 035F   | 3.5        | 10  | 15  | 55 | 6  |
| SE504 040   | SE504 040F   | 4          | 10  | 15  | 55 | 6  |
| SE504 04012 | SE504 04012F | 4          | 12  | 17  | 60 | 6  |
| SE504 045   | SE504 045F   | 4.5        | 12  | 17  | 55 | 6  |
| SE504 050   | SE504 050F   | 5          | 15  | 20  | 55 | 6  |
| SE504 055   | SE504 055F   | 5.5        | 15  | 20  | 60 | 6  |
| SE504 060   | SE504 060F   | 6          | 15  | 22  | 60 | 6  |
| SE504 06020 | SE504 06020F | 6          | 20  | 27  | 65 | 6  |
| SE504 065   | SE504 065F   | 6.5        | 15  | 22  | 60 | 8  |
| SE504 070   | SE504 070F   | 7          | 20  | 42  | 80 | 8  |
| SE504 080   | SE504 080F   | 8          | 20  | 32  | 70 | 8  |
| SE504 08025 | SE504 08025F | 8          | 25  | 32  | 70 | 8  |
| SE504 08030 | SE504 08030F | 8          | 30  | 42  | 80 | 8  |
| SE504 085   | SE504 085F   | 8.5        | 20  | 28  | 70 | 10 |
| SE504 090   | SE504 090F   | 9          | 25  | 38  | 80 | 10 |
| SE504 100   | SE504 100F   | 10         | 25  | 33  | 75 | 10 |
| SE504 10035 | SE504 10035F | 10         | 35  | 43  | 85 | 10 |

※ The tools of DIN standard do not consider of holding inventory

### Applicable Working Material

| Carbon Steel<br>~HB225 | Alloy Steel<br>HB225~325 | Prehardened Steel<br>HRc30~50 | Hardened Steel  |                 | Cast Iron<br>~FCD500 | Aluminum | Stainless Steel | Ti-Alloy | Ni-Alloy |
|------------------------|--------------------------|-------------------------------|-----------------|-----------------|----------------------|----------|-----------------|----------|----------|
|                        |                          |                               | SKD61<br>~HRc55 | SKD11<br>HRc55~ |                      |          |                 |          |          |
| ○                      | ○                        | ○                             |                 |                 |                      |          | ◎               | ○        | ○        |

○ : GOOD ◎ : EXCELLENT

ENDMILL

ZAMUS  
STAR

E-STAR

U-WING

ZAMUS  
THUNDER

X-STAR

S-WING

ALU-WAVE

STANDARD

COPPER  
MATE

GRA  
MATE

# SE504

## 4 FLUTES SQUARE ENDMILL

| EDP No      |              | SIZES (mm) |    |    |     |    |
|-------------|--------------|------------|----|----|-----|----|
| JIS         | DIN          | D          | L1 | L3 | L2  | D2 |
| SE504 120   | SE504 120F   | 12         | 30 | 35 | 80  | 12 |
| SE504 12040 | SE504 12040F | 12         | 40 | 45 | 90  | 12 |
| SE504 140   | SE504 140F   | 14         | 35 | 42 | 90  | 16 |
| SE504 160   | SE504 160F   | 16         | 42 | 52 | 100 | 16 |
| SE504 180   | -            | 18         | 45 | -  | 100 | 16 |
| SE504 200   | SE504 200F   | 20         | 48 | 50 | 100 | 20 |

※ The tools of DIN standard do not consider of holding inventory

ENDMILL

ZAMUS  
STAR

E-STAR

U-WING

ZAMUS  
THUNDER

X-STAR

S-WING

ALU-WAVE

STANDARD

COPPER  
MATE

GRA  
MATE

### ■ Applicable Working Material

| Carbon Steel<br>~HB225 | Alloy Steel<br>HB225~325 | Prehardened Steel<br>HRc30~50 | Hardened Steel  |                 | Cast Iron<br>~FCD500 | Aluminum | Stainless Steel | Ti-Alloy | Ni-Alloy |
|------------------------|--------------------------|-------------------------------|-----------------|-----------------|----------------------|----------|-----------------|----------|----------|
|                        |                          |                               | SKD61<br>~HRc55 | SKD11<br>HRc55~ |                      |          |                 |          |          |
| ○                      | ○                        | ○                             |                 |                 |                      |          | ◎               | ○        | ○        |

○ : GOOD ◎ : EXCELLENT