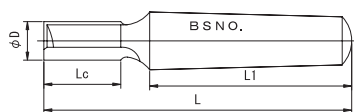


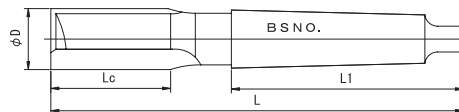
# LSLE-BS

## BS柄ロング2枚刃エンドミル

2-Flutes Long End Mill with BS Shank



BS NO. 5 タングなし



BS NO. 7、BS NO. 9

外径許容差(φD)  $\begin{matrix} 0 \\ -0.05 \end{matrix}$

SKH51

| 外径<br>φD | 刃長<br>Lc | 柄<br>NO. | 全長<br>L | 柄長<br>L1 | 刃数 |
|----------|----------|----------|---------|----------|----|
| 3        | 30       | BS5      | 85      | 48       | 2  |
| 3        | 40       | BS5      | 95      | 48       | 2  |
| 3        | 50       | BS5      | 105     | 48       | 2  |
| 4        | 30       | BS5      | 85      | 48       | 2  |
| 4        | 40       | BS5      | 95      | 48       | 2  |
| 4        | 50       | BS5      | 105     | 48       | 2  |
| 5        | 30       | BS5      | 85      | 48       | 2  |
| 5        | 40       | BS5      | 95      | 48       | 2  |
| 5        | 50       | BS5      | 105     | 48       | 2  |
| 5        | 60       | BS5      | 115     | 48       | 2  |
| 6        | 30       | BS5      | 85      | 48       | 2  |
| 6        | 40       | BS5      | 95      | 48       | 2  |
| 6        | 50       | BS5      | 105     | 48       | 2  |
| 6        | 60       | BS5      | 115     | 48       | 2  |
| 7        | 30       | BS5      | 85      | 48       | 2  |
| 7        | 40       | BS5      | 95      | 48       | 2  |
| 7        | 50       | BS5      | 105     | 48       | 2  |
| 7        | 60       | BS5      | 115     | 48       | 2  |
| 8        | 30       | BS5      | 85      | 48       | 2  |
| 8        | 40       | BS5      | 95      | 48       | 2  |
| 8        | 50       | BS5      | 105     | 48       | 2  |
| 8        | 60       | BS5      | 115     | 48       | 2  |
| 9        | 30       | BS5      | 85      | 48       | 2  |
| 9        | 40       | BS5      | 95      | 48       | 2  |
| 9        | 50       | BS5      | 105     | 48       | 2  |
| 9        | 60       | BS5      | 115     | 48       | 2  |
| 10       | 30       | BS5      | 85      | 48       | 2  |
| 10       | 40       | BS5      | 95      | 48       | 2  |
| 10       | 50       | BS5      | 105     | 48       | 2  |
| 10       | 60       | BS5      | 115     | 48       | 2  |
| 11       | 40       | BS5      | 95      | 48       | 2  |
| 11       | 50       | BS5      | 105     | 48       | 2  |
| 11       | 60       | BS5      | 115     | 48       | 2  |
| 12       | 40       | BS5      | 95      | 48       | 2  |
| 12       | 50       | BS5      | 105     | 48       | 2  |
| 12       | 60       | BS5      | 115     | 48       | 2  |
| 13       | 40       | BS5      | 95      | 48       | 2  |
| 13       | 50       | BS5      | 105     | 48       | 2  |
| 13       | 60       | BS5      | 115     | 48       | 2  |
| 14       | 40       | BS5      | 95      | 48       | 2  |
| 14       | 50       | BS5      | 105     | 48       | 2  |
| 14       | 60       | BS5      | 115     | 48       | 2  |
| 15       | 40       | BS5      | 95      | 48       | 2  |
| 15       | 50       | BS5      | 105     | 48       | 2  |

| 被削材種<br>型番 | 鋳物     | 炭素鋼    | 合金鋼    | 工具鋼    | 調質鋼     | ステンレス鋼 | アルミ合金 | 銅合金 | チタン合金   | 耐熱合金  |
|------------|--------|--------|--------|--------|---------|--------|-------|-----|---------|-------|
|            | FC、FCD | S45C   | SCM    | SKD    | NAK、HPM | SUS    | Al    | Cu  | Ti6Al4V | インコネル |
| 硬度         | ~300HB | ~200HB | ~250HB | ~35HRC | ~45HRC  | ~35HRC |       |     |         |       |
| LSLE-BS    | ○      | ○      |        |        |         |        | ○     |     |         |       |

シャンク部形状 P.307

# LSLE-BS

## BS柄ロング2枚刃エンドミル

2-Flutes Long End Mill with BS Shank

| 外径<br>φ D | 刃長<br>L c | 柄<br>NO. | 全長<br>L | 柄長<br>L 1 | 刃数 |
|-----------|-----------|----------|---------|-----------|----|
| 15        | 60        | BS5      | 115     | 48        | 2  |
| 10        | 60        | BS7      | 162     | 92        | 2  |
| 10        | 80        | BS7      | 182     | 92        | 2  |
| 10        | 100       | BS7      | 202     | 92        | 2  |
| 10        | 120       | BS7      | 222     | 92        | 2  |
| 11        | 60        | BS7      | 162     | 92        | 2  |
| 11        | 80        | BS7      | 182     | 92        | 2  |
| 11        | 100       | BS7      | 202     | 92        | 2  |
| 12        | 60        | BS7      | 162     | 92        | 2  |
| 12        | 80        | BS7      | 182     | 92        | 2  |
| 12        | 100       | BS7      | 202     | 92        | 2  |
| 12        | 120       | BS7      | 222     | 92        | 2  |
| 13        | 60        | BS7      | 162     | 92        | 2  |
| 13        | 80        | BS7      | 182     | 92        | 2  |
| 13        | 100       | BS7      | 202     | 92        | 2  |
| 14        | 60        | BS7      | 162     | 92        | 2  |
| 14        | 80        | BS7      | 182     | 92        | 2  |
| 14        | 100       | BS7      | 202     | 92        | 2  |
| 14        | 120       | BS7      | 222     | 92        | 2  |
| 15        | 60        | BS7      | 162     | 92        | 2  |
| 15        | 80        | BS7      | 182     | 92        | 2  |
| 15        | 100       | BS7      | 202     | 92        | 2  |
| 15        | 120       | BS7      | 222     | 92        | 2  |
| 16        | 60        | BS7      | 162     | 92        | 2  |
| 16        | 80        | BS7      | 182     | 92        | 2  |
| 16        | 100       | BS7      | 202     | 92        | 2  |
| 16        | 120       | BS7      | 222     | 92        | 2  |
| 17        | 60        | BS7      | 162     | 92        | 2  |
| 17        | 80        | BS7      | 182     | 92        | 2  |
| 17        | 100       | BS7      | 202     | 92        | 2  |
| 18        | 60        | BS7      | 162     | 92        | 2  |
| 18        | 80        | BS7      | 182     | 92        | 2  |
| 18        | 100       | BS7      | 202     | 92        | 2  |
| 18        | 120       | BS7      | 222     | 92        | 2  |
| 19        | 60        | BS7      | 162     | 92        | 2  |
| 19        | 80        | BS7      | 182     | 92        | 2  |
| 19        | 100       | BS7      | 202     | 92        | 2  |
| 20        | 60        | BS7      | 162     | 92        | 2  |
| 20        | 80        | BS7      | 182     | 92        | 2  |
| 20        | 100       | BS7      | 202     | 92        | 2  |
| 20        | 120       | BS7      | 222     | 92        | 2  |
| 20        | 150       | BS7      | 252     | 92        | 2  |
| 21        | 60        | BS7      | 162     | 92        | 2  |
| 21        | 80        | BS7      | 182     | 92        | 2  |
| 21        | 100       | BS7      | 202     | 92        | 2  |
| 22        | 60        | BS7      | 162     | 92        | 2  |
| 22        | 80        | BS7      | 182     | 92        | 2  |
| 22        | 100       | BS7      | 202     | 92        | 2  |
| 23        | 60        | BS7      | 162     | 92        | 2  |
| 23        | 80        | BS7      | 182     | 92        | 2  |
| 23        | 100       | BS7      | 202     | 92        | 2  |
| 24        | 60        | BS7      | 162     | 92        | 2  |
| 24        | 80        | BS7      | 182     | 92        | 2  |
| 24        | 100       | BS7      | 202     | 92        | 2  |
| 24        | 120       | BS7      | 222     | 92        | 2  |
| 25        | 60        | BS7      | 162     | 92        | 2  |
| 25        | 80        | BS7      | 182     | 92        | 2  |
| 25        | 100       | BS7      | 202     | 92        | 2  |

# LSLE-BS

## BS柄ロング2枚刃エンドミル

2-Flutes Long End Mill with BS Shank

| 外径<br>φ D | 刃長<br>L c | 柄<br>NO. | 全長<br>L | 柄長<br>L 1 | 刃数 |
|-----------|-----------|----------|---------|-----------|----|
| 25        | 120       | BS7      | 222     | 92        | 2  |
| 25        | 150       | BS7      | 252     | 92        | 2  |
| 25        | 200       | BS7      | 302     | 92        | 2  |
| 26        | 60        | BS7      | 162     | 92        | 2  |
| 26        | 80        | BS7      | 182     | 92        | 2  |
| 26        | 100       | BS7      | 202     | 92        | 2  |
| 27        | 60        | BS7      | 162     | 92        | 2  |
| 27        | 80        | BS7      | 182     | 92        | 2  |
| 27        | 100       | BS7      | 202     | 92        | 2  |
| 28        | 60        | BS7      | 162     | 92        | 2  |
| 28        | 80        | BS7      | 182     | 92        | 2  |
| 28        | 100       | BS7      | 202     | 92        | 2  |
| 29        | 60        | BS7      | 162     | 92        | 2  |
| 29        | 80        | BS7      | 182     | 92        | 2  |
| 29        | 100       | BS7      | 202     | 92        | 2  |
| 30        | 60        | BS7      | 162     | 92        | 2  |
| 30        | 80        | BS7      | 182     | 92        | 2  |
| 30        | 100       | BS7      | 202     | 92        | 2  |
| 30        | 120       | BS7      | 222     | 92        | 2  |
| 31        | 80        | BS7      | 182     | 92        | 2  |
| 32        | 80        | BS7      | 184     | 92        | 2  |
| 32        | 120       | BS7      | 224     | 92        | 2  |
|           |           |          |         |           |    |
| 20        | 100       | BS9      | 233     | 120       | 2  |
| 22        | 100       | BS9      | 233     | 120       | 2  |
| 24        | 120       | BS9      | 253     | 120       | 2  |
| 25        | 60        | BS9      | 193     | 120       | 2  |
| 25        | 80        | BS9      | 213     | 120       | 2  |
| 25        | 100       | BS9      | 233     | 120       | 2  |
| 25        | 120       | BS9      | 253     | 120       | 2  |
| 25        | 150       | BS9      | 283     | 120       | 2  |
| 25        | 200       | BS9      | 333     | 120       | 2  |
| 25        | 250       | BS9      | 383     | 120       | 2  |
| 26        | 60        | BS9      | 193     | 120       | 2  |
| 26        | 80        | BS9      | 213     | 120       | 2  |
| 26        | 100       | BS9      | 233     | 120       | 2  |
| 26        | 120       | BS9      | 253     | 120       | 2  |
| 26        | 150       | BS9      | 283     | 120       | 2  |
| 27        | 60        | BS9      | 193     | 120       | 2  |
| 27        | 80        | BS9      | 213     | 120       | 2  |
| 27        | 100       | BS9      | 233     | 120       | 2  |
| 27        | 120       | BS9      | 253     | 120       | 2  |
| 28        | 60        | BS9      | 193     | 120       | 2  |
| 28        | 80        | BS9      | 213     | 120       | 2  |
| 28        | 100       | BS9      | 233     | 120       | 2  |
| 28        | 120       | BS9      | 253     | 120       | 2  |
| 28        | 150       | BS9      | 283     | 120       | 2  |
| 28        | 200       | BS9      | 333     | 120       | 2  |
| 29        | 60        | BS9      | 193     | 120       | 2  |
| 29        | 80        | BS9      | 213     | 120       | 2  |
| 29        | 100       | BS9      | 233     | 120       | 2  |
| 30        | 60        | BS9      | 193     | 120       | 2  |
| 30        | 80        | BS9      | 213     | 120       | 2  |
| 30        | 100       | BS9      | 233     | 120       | 2  |
| 30        | 120       | BS9      | 253     | 120       | 2  |
| 30        | 150       | BS9      | 283     | 120       | 2  |
| 30        | 200       | BS9      | 333     | 120       | 2  |
| 30        | 250       | BS9      | 363     | 120       | 2  |
| 31        | 100       | BS9      | 233     | 120       | 2  |

# LSLE-BS

## BS柄ロング2枚刃エンドミル

2-Flutes Long End Mill with BS Shank

| 外径<br>φ D | 刃長<br>L c | 柄<br>NO. | 全長<br>L | 柄長<br>L 1 | 刃数 |
|-----------|-----------|----------|---------|-----------|----|
| 31        | 120       | BS9      | 253     | 120       | 2  |
| 32        | 80        | BS9      | 213     | 120       | 2  |
| 32        | 100       | BS9      | 233     | 120       | 2  |
| 32        | 120       | BS9      | 253     | 120       | 2  |
| 32        | 150       | BS9      | 283     | 120       | 2  |
| 32        | 200       | BS9      | 333     | 120       | 2  |
| 33        | 120       | BS9      | 253     | 120       | 2  |
| 34        | 100       | BS9      | 233     | 120       | 2  |
| 34        | 120       | BS9      | 253     | 120       | 2  |
| 35        | 80        | BS9      | 213     | 120       | 2  |
| 35        | 100       | BS9      | 233     | 120       | 2  |
| 35        | 120       | BS9      | 253     | 120       | 2  |
| 35        | 150       | BS9      | 283     | 120       | 2  |
| 35        | 200       | BS9      | 333     | 120       | 2  |
| 35        | 250       | BS9      | 383     | 120       | 2  |
| 36        | 80        | BS9      | 213     | 120       | 2  |
| 36        | 100       | BS9      | 233     | 120       | 2  |
| 36        | 120       | BS9      | 253     | 120       | 2  |
| 36        | 150       | BS9      | 283     | 120       | 2  |
| 37        | 120       | BS9      | 253     | 120       | 2  |
| 38        | 80        | BS9      | 213     | 120       | 2  |
| 38        | 100       | BS9      | 233     | 120       | 2  |
| 38        | 120       | BS9      | 253     | 120       | 2  |
| 38        | 150       | BS9      | 283     | 120       | 2  |
| 38        | 200       | BS9      | 333     | 120       | 2  |
| 38        | 250       | BS9      | 383     | 120       | 2  |
| 39        | 100       | BS9      | 235     | 120       | 2  |
| 39        | 120       | BS9      | 255     | 120       | 2  |
| 40        | 80        | BS9      | 215     | 120       | 2  |
| 40        | 100       | BS9      | 235     | 120       | 2  |
| 40        | 120       | BS9      | 255     | 120       | 2  |
| 40        | 150       | BS9      | 285     | 120       | 2  |
| 40        | 200       | BS9      | 335     | 120       | 2  |
| 40        | 250       | BS9      | 385     | 120       | 2  |
| 41        | 100       | BS9      | 235     | 120       | 2  |
| 41        | 120       | BS9      | 255     | 120       | 2  |
| 42        | 100       | BS9      | 235     | 120       | 2  |
| 42        | 120       | BS9      | 255     | 120       | 2  |
| 42        | 150       | BS9      | 285     | 120       | 2  |
| 43        | 100       | BS9      | 235     | 120       | 2  |
| 43        | 120       | BS9      | 255     | 120       | 2  |
| 44        | 100       | BS9      | 235     | 120       | 2  |
| 44        | 120       | BS9      | 255     | 120       | 2  |
| 45        | 80        | BS9      | 215     | 120       | 2  |
| 45        | 100       | BS9      | 235     | 120       | 2  |
| 45        | 120       | BS9      | 255     | 120       | 2  |
| 45        | 150       | BS9      | 285     | 120       | 2  |
| 45        | 200       | BS9      | 335     | 120       | 2  |
| 45        | 250       | BS9      | 385     | 120       | 2  |
| 46        | 100       | BS9      | 235     | 120       | 2  |
| 46        | 120       | BS9      | 255     | 120       | 2  |
| 46        | 150       | BS9      | 285     | 120       | 2  |
| 47        | 120       | BS9      | 255     | 120       | 2  |
| 48        | 100       | BS9      | 235     | 120       | 2  |
| 48        | 120       | BS9      | 255     | 120       | 2  |
| 48        | 150       | BS9      | 285     | 120       | 2  |
| 49        | 100       | BS9      | 235     | 120       | 2  |
| 49        | 120       | BS9      | 255     | 120       | 2  |
| 50        | 100       | BS9      | 235     | 120       | 2  |

# LSLE-BS

## BS柄ロング2枚刃エンドミル

2-Flutes Long End Mill with BS Shank

| 外径<br>φ D | 刃長<br>L c | 柄<br>NO. | 全長<br>L | 柄長<br>L 1 | 刃数 |
|-----------|-----------|----------|---------|-----------|----|
| 50        | 120       | BS9      | 255     | 120       | 2  |
| 50        | 150       | BS9      | 285     | 120       | 2  |
| 50        | 200       | BS9      | 335     | 120       | 2  |
| 50        | 250       | BS9      | 385     | 120       | 2  |
| 55        | 150       | BS9      | 285     | 120       | 2  |
| 55        | 200       | BS9      | 335     | 120       | 2  |
| 55        | 250       | BS9      | 385     | 120       | 2  |
| 60        | 150       | BS9      | 285     | 120       | 2  |
| 60        | 200       | BS9      | 335     | 120       | 2  |
| 60        | 250       | BS9      | 385     | 120       | 2  |