



| | |
|----------|-------------|
| M | SKH51 |
| H | 58 ~ 60 HRC |

| T | Tolerance |
|---------|-------------|
| 4mm | 0 - 0.02 |
| 6 - 8mm | 0 - 0.05 |

| LC | L |
|--------------|------|
| +0.02 0 | |
| +0.05 | +5 |
| LC > 200 → 0 | +0.1 |
| +0.5 | |
| LC > 500 → 0 | |

| 4mm head | | JIS head | | TYPE | | D | P 0.01mm increments | L or LC L → 1mm increments LC → 0.01mm increments | N 1mm increments |
|----------|---|----------|-----|----------|----------|--------------|------------------------|---|-----------------------------------|
| H | T | H | T | 4mm head | JIS head | | | | |
| — | — | 3 | — | — | — | 1 | 0.40 ~ 0.90 | 40 ~ 100 | N ≥ 15 and 15 ≤ (L-N) ≤ 150 |
| — | — | 4 | 4 | | | 1.5 | 0.60 ~ 1.40 | 40 ~ 150 | |
| — | — | 5 | — | | | 2 | 0.80 ~ 1.90 | 40 ~ 200 | |
| — | — | 6 | — | | | 2.5 | 0.80 ~ 2.40 | 40 ~ 250 | |
| — | — | 7 | — | | | 3 | 1.00 ~ 2.90 | 40 ~ 300 | |
| 7 | 4 | 8 | 6 | ESH | ESH | 3.5 | 1.50 ~ 3.40 | 40 ~ 300 | N ≥ 15 and 20 ≤ (L-N) ≤ 200 |
| 8 | | 9 | | | | 4.5 | 2.50 ~ 4.40 | 40 ~ 350 | |
| 9 | | 10 | | | | 5 | 3.00 ~ 4.90 | 40 ~ 350 | |
| 10 | | 11 | | | | 5.5 | 3.50 ~ 5.40 | 40 ~ 350 | |
| 11 | | 13 | | | | 6 | 4.00 ~ 5.90 | 40 ~ 350 | |
| 15 | | 15 | 6.5 | | | 4.50 ~ 6.40 | 40 ~ 350 | | |
| 17 | | 17 | 7 | | | 4.90 ~ 6.90 | 40 ~ 350 | | |
| | | | 8 | | | 5.90 ~ 7.90 | 40 ~ 350 | | |
| | | | 10 | | | 7.90 ~ 9.90 | 40 ~ 350 | | |
| | | | 12 | | | 8.90 ~ 11.90 | 40 ~ 350 | | |



Order Example

| TYPE | D | P | L(LC) | N |
|------|------|--------|------------|-------|
| ESHT | - D6 | - P3 | - LC180.50 | - N55 |
| ESH | - D8 | - P6.3 | - L100 | - N70 |

| Alterations | Code | Spec. |
|-------------|--------------------------|---|
| | KC | Single flat cutting $P/2 \leq KC < H/2$ |
| | WKC | Two flats cutting $P/2 \leq WKC < H/2$ |
| | KAC KBC | Varied width parallel flats cutting $P/2 \leq KAC < H/2$ KBC = 0.1mm increments only $KAC < KBC < H/2$ |
| | RKC | Two flats (right angled) cutting $P/2 \leq RKC < H/2$ |
| | DKC | Three flats cutting $P/2 \leq DKC < H/2$ |
| | SKC | Four flats cutting $P/2 \leq SKC < H/2$ |
| | KGC | Two flats (angled) cutting $P/2 \leq KGC < H/2$ AG = 1° increments $0 \leq AG < 360$ |
| | KTC | Three flats cutting at 120 $P/2 \leq KTC < H/2$ |
| | HC | HC = 0.1mm increments $P+1 \leq HC < H, P \geq 1.5$ |
| | TC | TC = 0.1mm increments $T/2 \leq TC < T, P \geq 1.5$ Dimension L becomes shorter by (T-TC) |
| | NC | Dowel hole boring Available when $H \geq 4$ |

About Designation Unit for Key Flat Cutting

(1)
To align the key flat with the shaft diameter

Unit of designation

0.05mm increments possible

(2)
To designate arbitrary key flat dimensions

Unit of designation

0.1mm

| | | |
|---|---|---|
| T | d | ℓ |
| 4 | 2 | 3 |
| 6 | 3 | 5 |
| 8 | | |