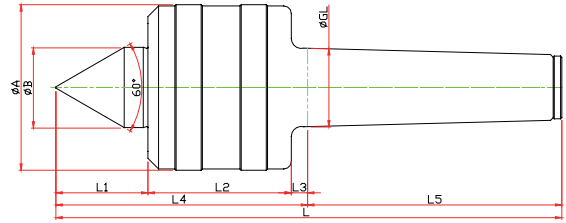


# LC-NK · NKD TYPE

## ▶ NK-TYPE

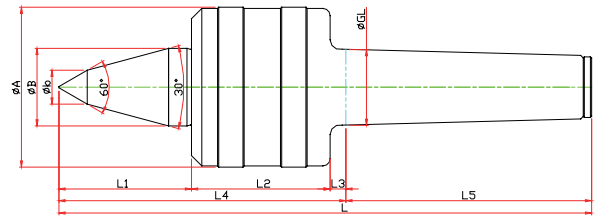
※ Center for heavy duty and Semi High Speed



| Model  | Order Number | Morse Taper | Dimension |     |    |      |     |     |       |       |       |       | Weight MAX. | R.P.M MAX. | Run Out |
|--------|--------------|-------------|-----------|-----|----|------|-----|-----|-------|-------|-------|-------|-------------|------------|---------|
|        |              |             | GL        | A   | B  | L1   | L2  | L3  | L4    | L5    | L     |       |             |            |         |
| LC-3NK | 020003       | NO.3        | 23,825    | 52  | 22 | 29   | 42  | 5   | 76    | 80    | 156   | 1900  | 5000        | 0,003      |         |
| LC-4NK | 020004       | NO.4        | 31,267    | 66  | 32 | 37   | 57  | 6,5 | 100,5 | 101,5 | 202   | 2700  | 3800        | 0,003      |         |
| LC-5NK | 020005       | NO.5        | 44,399    | 80  | 40 | 45,5 | 57  | 6,5 | 109   | 129,5 | 238,5 | 3200  | 3400        | 0,005      |         |
| LC-6NK | 020006       | NO.6        | 63,348    | 132 | 65 | 65   | 100 | 8   | 173   | 182   | 355   | 10000 | 1800        | 0,005      |         |
| LC-7NK | 020007       | NO.7        | 83,058    | 168 | 72 | 84   | 128 | 10  | 222   | 250   | 427   | 17200 | 1200        | 0,005      |         |

## ▶ NKB-TYPE

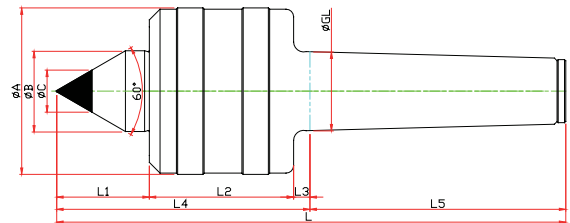
※ SHAFT EXTENTION(Minimize the bite-interference)



| Model   | Order Number | Morse Taper | Dimension |     |    |    |      |     |     |       |       |       | Weight MAX. | R.P.M MAX. | Run Out |
|---------|--------------|-------------|-----------|-----|----|----|------|-----|-----|-------|-------|-------|-------------|------------|---------|
|         |              |             | GL        | A   | B  | b  | L1   | L2  | L3  | L4    | L5    | L     |             |            |         |
| LC-3NKB | 021003       | NO.3        | 23,825    | 52  | 22 | 10 | 48   | 42  | 5   | 95    | 80    | 175   | 1900        | 5000       | 0,003   |
| LC-4NKB | 021004       | NO.4        | 31,267    | 66  | 32 | 14 | 53   | 57  | 6,5 | 116,5 | 101,5 | 218   | 2700        | 3800       | 0,003   |
| LC-5NKB | 021005       | NO.5        | 44,399    | 80  | 40 | 18 | 65,5 | 57  | 6,5 | 129   | 129,5 | 258,5 | 3200        | 3400       | 0,005   |
| LC-6NKB | 021006       | NO.6        | 63,348    | 132 | 65 | 25 | 78   | 100 | 8   | 186   | 182   | 368   | 10000       | 1800       | 0,005   |

## ▶ NKC-TYPE

※ Carbide Type

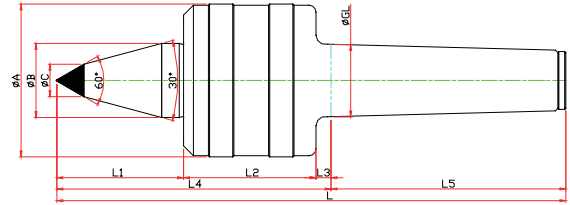


| Model   | Order Number | Morse Taper | Dimension |     |    |      |     |     |       |       |    |       | Weight MAX. | R.P.M MAX. | Run Out |
|---------|--------------|-------------|-----------|-----|----|------|-----|-----|-------|-------|----|-------|-------------|------------|---------|
|         |              |             | GL        | A   | B  | L1   | L2  | L3  | L4    | L5    | C  | L     |             |            |         |
| LC-3NKC | 020103       | NO.3        | 23,825    | 52  | 22 | 29   | 42  | 5   | 76    | 80    | 10 | 156   | 1900        | 5000       | 0,003   |
| LC-4NKC | 020104       | NO.4        | 31,267    | 66  | 32 | 37   | 57  | 6,5 | 100,5 | 101,5 | 14 | 202   | 2700        | 3800       | 0,003   |
| LC-5NKC | 020105       | NO.5        | 44,399    | 80  | 40 | 45,5 | 57  | 6,5 | 109   | 129,5 | 18 | 238,5 | 3200        | 3400       | 0,005   |
| LC-6NKC | 020106       | NO.6        | 63,348    | 132 | 65 | 65   | 100 | 8   | 173   | 182   | 25 | 355   | 10000       | 1800       | 0,005   |

# LC-NK · NKD TYPE

## ▶ NKBC-TYPE

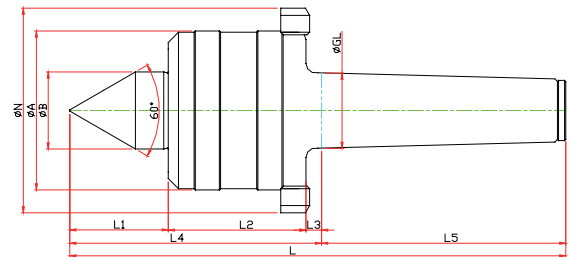
- ※ SHAFT EXTENSION(Minimize the bite-interference)
- ※ Carbide Type



| Model    | Order Number | Morse Taper | Dimension |     |    |      |     |     |       |       |    |       | Weight MAX. | R.P.M MAX. | Run Out |
|----------|--------------|-------------|-----------|-----|----|------|-----|-----|-------|-------|----|-------|-------------|------------|---------|
|          |              |             | GL        | A   | B  | L1   | L2  | L3  | L4    | L5    | C  | L     |             |            |         |
| LC-3NKBC | 021103       | NO.3        | 23.825    | 52  | 22 | 48   | 42  | 5   | 95    | 80    | 10 | 175   | 1900        | 5000       | 0.003   |
| LC-4NKBC | 021104       | NO.4        | 31.267    | 66  | 32 | 53   | 57  | 6.5 | 116.5 | 101.5 | 14 | 218   | 2700        | 3800       | 0.003   |
| LC-5NKBC | 021105       | NO.5        | 44.399    | 80  | 40 | 65.5 | 57  | 6.5 | 129   | 129.5 | 18 | 258.5 | 3200        | 3400       | 0.005   |
| LC-6NKBC | 021106       | NO.6        | 63.348    | 132 | 65 | 78   | 100 | 8   | 186   | 182   | 25 | 368   | 10000       | 1800       | 0.005   |

## ▶ NKN-TYPE

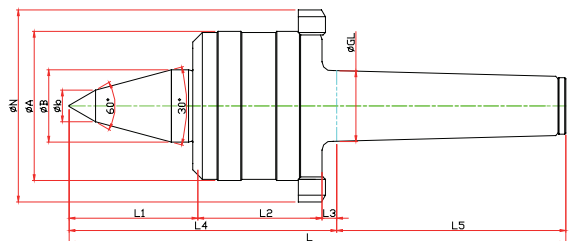
- ※ Nut Type



| Model   | Order Number | Morse Taper | Dimension |     |    |      |     |     |       |       |     |       | Weight MAX. | R.P.M MAX. | Run Out |
|---------|--------------|-------------|-----------|-----|----|------|-----|-----|-------|-------|-----|-------|-------------|------------|---------|
|         |              |             | GL        | A   | B  | L1   | L2  | L3  | L4    | L5    | N   | L     |             |            |         |
| LC-3NKN | 020013       | NO.3        | 23.825    | 52  | 22 | 29   | 42  | 5   | 76    | 80    | 70  | 156   | 1900        | 5000       | 0.003   |
| LC-4NKN | 020014       | NO.4        | 31.267    | 66  | 32 | 37   | 57  | 6.5 | 100.5 | 101.5 | 85  | 202   | 2700        | 3800       | 0.003   |
| LC-5NKN | 020015       | NO.5        | 44.399    | 80  | 40 | 45.5 | 57  | 6.5 | 109   | 129.5 | 98  | 238.5 | 3200        | 3400       | 0.005   |
| LC-6NKN | 020016       | NO.6        | 63.348    | 132 | 65 | 65   | 100 | 8   | 173   | 182   | 165 | 355   | 10000       | 1800       | 0.005   |
| LC-7NKN | 020017       | NO.7        | 83.058    | 168 | 72 | 84   | 128 | 10  | 222   | 250   | 210 | 427   | 17200       | 1200       | 0.005   |

## ▶ NKBN-TYPE

- ※ SHAFT EXTENSION(Minimize the bite-interference)
- ※ Nut Type

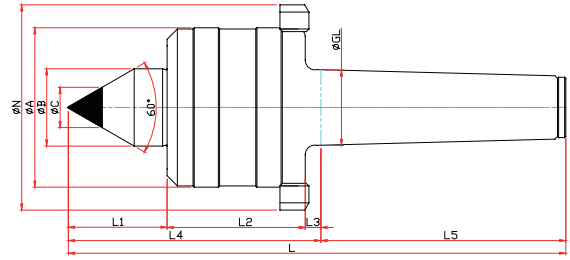


| Model    | Order Number | Morse Taper | Dimension |     |    |    |      |     |     |       |       |     |       | Weight MAX. | R.P.M MAX. | Run Out |
|----------|--------------|-------------|-----------|-----|----|----|------|-----|-----|-------|-------|-----|-------|-------------|------------|---------|
|          |              |             | GL        | A   | B  | b  | L1   | L2  | L3  | L4    | L5    | N   | L     |             |            |         |
| LC-3NKBN | 021013       | NO.3        | 23.825    | 52  | 22 | 10 | 48   | 42  | 5   | 95    | 80    | 70  | 175   | 1900        | 5000       | 0.003   |
| LC-4NKBN | 021014       | NO.4        | 31.267    | 66  | 32 | 14 | 53   | 57  | 6.5 | 116.5 | 101.5 | 85  | 218   | 2700        | 3800       | 0.003   |
| LC-5NKBN | 021015       | NO.5        | 44.399    | 80  | 40 | 18 | 65.5 | 57  | 6.5 | 129   | 129.5 | 98  | 258.5 | 3200        | 3400       | 0.005   |
| LC-6NKBN | 021016       | NO.6        | 63.348    | 132 | 65 | 25 | 78   | 100 | 8   | 186   | 182   | 165 | 368   | 10000       | 1800       | 0.005   |

# LC-NK · NKD TYPE

## ▶ NKCN-TYPE

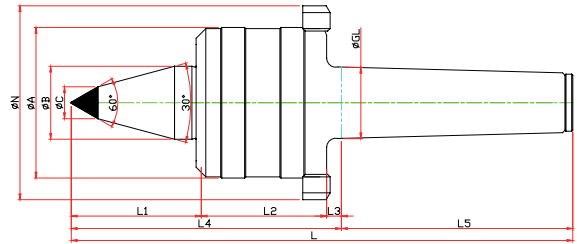
※ Carbide, Nut Type



| Model      | Order Number | Morse Taper | Dimension |     |    |      |     |     |       |       |    |     |       | Weight MAX. | R.P.M MAX. | Run Out |
|------------|--------------|-------------|-----------|-----|----|------|-----|-----|-------|-------|----|-----|-------|-------------|------------|---------|
|            |              |             | GL        | A   | B  | L1   | L2  | L3  | L4    | L5    | C  | N   | L     |             |            |         |
| LC-3NKCNCN | 020113       | NO.3        | 23.825    | 52  | 22 | 29   | 42  | 5   | 76    | 80    | 10 | 70  | 156   | 1900        | 5000       | 0,003   |
| LC-4NKCNCN | 020114       | NO.4        | 31.267    | 66  | 32 | 37   | 57  | 6,5 | 100,5 | 101,5 | 14 | 85  | 202   | 2700        | 3800       | 0,003   |
| LC-5NKCNCN | 020115       | NO.5        | 44.399    | 80  | 40 | 45,5 | 57  | 6,5 | 109   | 129,5 | 18 | 98  | 238,5 | 3200        | 3400       | 0,005   |
| LC-6NKCNCN | 020116       | NO.6        | 63.348    | 132 | 65 | 65   | 100 | 8   | 173   | 182   | 25 | 165 | 355   | 10000       | 1800       | 0,005   |

## ▶ NKBCN-TYPE

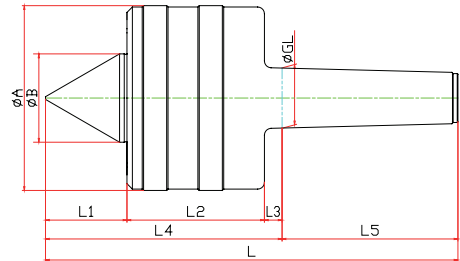
※ SHAFT EXTENTION(Minimize the bite-interference)  
 ※ Carbide, Nut Type



| Model       | Order Number | Morse Taper | Dimension |     |    |      |     |     |       |       |    |     |       | Weight MAX. | R.P.M MAX. | Run Out |
|-------------|--------------|-------------|-----------|-----|----|------|-----|-----|-------|-------|----|-----|-------|-------------|------------|---------|
|             |              |             | GL        | A   | B  | L1   | L2  | L3  | L4    | L5    | C  | N   | L     |             |            |         |
| LC-3NKBCNCN | 021113       | NO.3        | 23.825    | 52  | 22 | 48   | 42  | 5   | 95    | 80    | 10 | 70  | 175   | 1900        | 5000       | 0,003   |
| LC-4NKBCNCN | 021114       | NO.4        | 31.267    | 66  | 32 | 53   | 57  | 6,5 | 116,5 | 101,5 | 14 | 85  | 218   | 2700        | 3800       | 0,003   |
| LC-5NKBCNCN | 021115       | NO.5        | 44.399    | 80  | 40 | 65,5 | 57  | 6,5 | 129   | 129,5 | 18 | 98  | 258,5 | 3200        | 3400       | 0,005   |
| LC-6NKBCNCN | 021116       | NO.6        | 63.348    | 132 | 65 | 78   | 100 | 8   | 186   | 182   | 25 | 165 | 368   | 10000       | 1800       | 0,005   |

# LC-NK · NKD TYPE

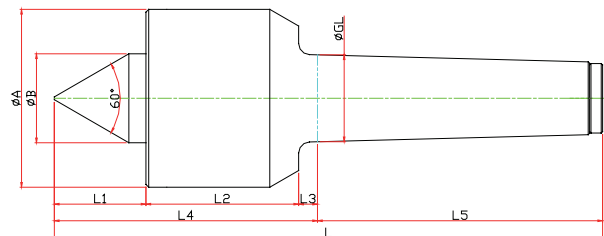
## ▶ NKD-TYPE



| Model   | Order Number | Morse Taper | Dimension |     |    |    |       |    |       |       |       | Weight MAX. | R.P.M MAX. | Run Out |
|---------|--------------|-------------|-----------|-----|----|----|-------|----|-------|-------|-------|-------------|------------|---------|
|         |              |             | GL        | A   | B  | L1 | L2    | L3 | L4    | L5    | L     |             |            |         |
| LC-5NKD | 090005       | NO.5        | 44,399    | 136 | 65 | 60 | 101   | 13 | 174   | 129,5 | 303,5 | 13000       | 3400       | 0,005   |
| LC-6NKD | 090006       | NO.6        | 63,348    | 148 | 70 | 80 | 110,5 | 15 | 205,5 | 181   | 387,5 | 16000       | 1800       | 0,005   |
| LC-7NKD | 090007       | NO.7        | 83,058    | 200 | 95 | 90 | 141   | 20 | 251   | 250   | 501   | 22000       | 1200       | 0,005   |

# GR · SM TYPE

## ▶ GR-TYPE



| Model  | Order Number | Morse Taper | Dimension |     |    |    |      |     |       |       |       | Weight MAX. | R.P.M MAX. | Run Out |
|--------|--------------|-------------|-----------|-----|----|----|------|-----|-------|-------|-------|-------------|------------|---------|
|        |              |             | GL        | A   | B  | L1 | L2   | L3  | L4    | L5    | L     |             |            |         |
| LC-4GR | 080004       | NO.4        | 31,267    | 71  | 40 | 45 | 59,5 | 6,5 | 111   | 101,5 | 212,5 | 1300        | 7000       | 0,002   |
| LC-5GR | 080005       | NO.5        | 44,399    | 88  | 50 | 45 | 66   | 6,5 | 117,5 | 129,5 | 247   | 3500        | 4500       | 0,002   |
| LC-6GR | 080006       | NO.6        | 63,348    | 114 | 52 | 55 | 92   | 8   | 155   | 182   | 337   | 5000        | 3400       | 0,002   |
| LC-7GR | 080007       | NO.7        | 83,058    | 200 | 98 | 78 | 132  | 10  | 200   | 250   | 470   | 20000       | 1900       | 0,002   |