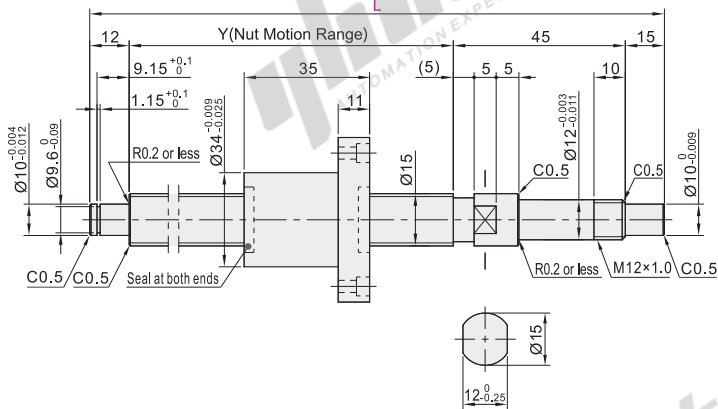


| Code  | Type              | Accuracy Grade | Material    |         | Heat Treatment     |            | Hardness    |          |
|-------|-------------------|----------------|-------------|---------|--------------------|------------|-------------|----------|
|       |                   |                | Screw Shaft | Nut     | Screw Shaft        | Nut        | Screw Shaft | Nut      |
| LCL31 | Standard Nut Type | C5             | S55C        | SCM415H | Induction Hardened | Carburized | 56~62HRC    | 56~62HRC |

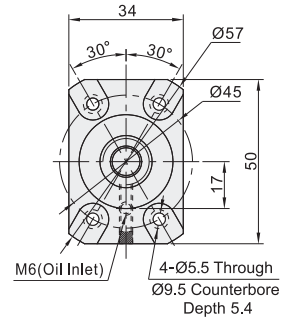
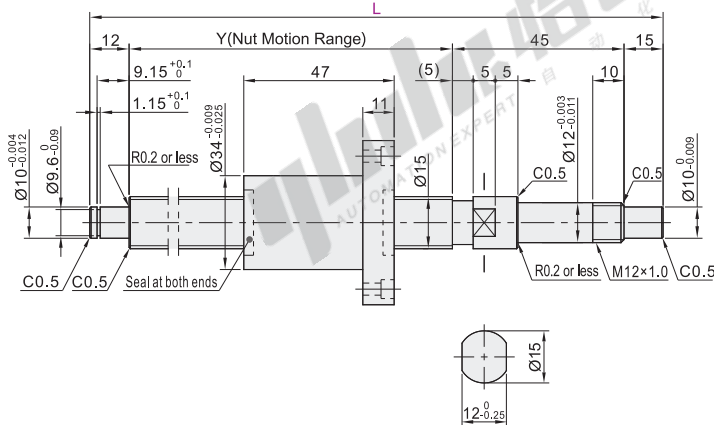
① Yiheda doesn't guarantee the dB value after ball screw assembled.

② There are process circular holes at both ends of the lead screw.

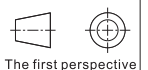
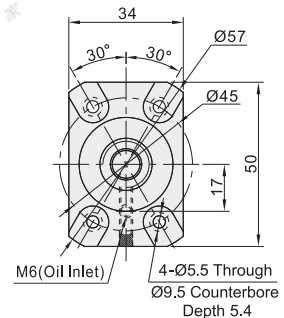
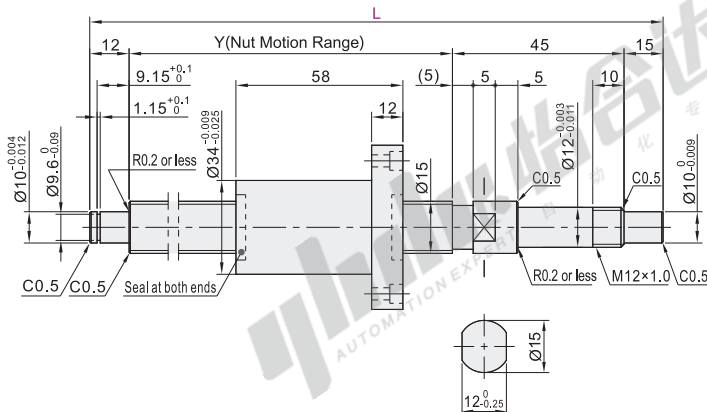
Shaft Dia. 15-Lead 5



Shaft Dia. 15-Lead 10



Shaft Dia. 15-Lead 20



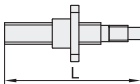
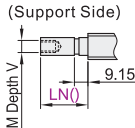
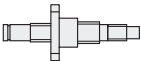
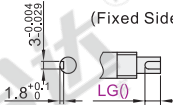
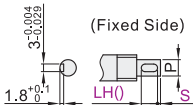
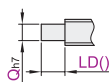
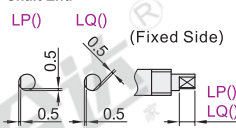
# Precision Ball Screws

◀ Shaft Dia. 15, Lead 5/10/20  
Standard Nut Type

| Part Number |                  |      | 1 mm Increment | Accuracy Grade | Number of Circuits | Twisting Direction | Axial Clearance          | Y    | Rated Load (Kg <sub>f</sub> ) |            |
|-------------|------------------|------|----------------|----------------|--------------------|--------------------|--------------------------|------|-------------------------------|------------|
| Code        | Screw Shaft O.D. | Lead | L              |                |                    |                    |                          |      | C(Dynamic)                    | Co(Static) |
| LCL31       | 15               | 5    | 150~1100       | C5             | 3                  | Right              | C5T<br>(0.005mm or less) | L-72 | 850                           | 1640       |
|             |                  | 10   |                |                |                    |                    |                          |      | 840                           | 1610       |
|             |                  | 20   |                |                |                    |                    |                          |      | 560                           | 1150       |



Optional Processing

| Code   | Spec.                                              |                                                                                                                                                                                        | Code         | Spec.                                                                                             |                                                                                                                          |   |   |
|--------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---|---|
| LA     | No Machining on Support Side Shaft End             | Ordering Code LA                                                                                                                                                                       | LN()         | Tapped Hole on Support Side Shaft End                                                             | Ordering Code LN20<br>① 1 mm Increment<br>② LN value range : 18~30.<br>③ L remains unchanged, Y dimension is shortened.  |   |   |
|        | (Support Side) (Fixed Side)                        |                                                                                                       |              |                  | <table border="1"><thead><tr><th>M</th><th>V</th></tr></thead><tbody><tr><td>M5×0.8</td><td>12</td></tr></tbody></table> | M | V |
| M      | V                                                  |                                                                                                                                                                                        |              |                                                                                                   |                                                                                                                          |   |   |
| M5×0.8 | 12                                                 |                                                                                                                                                                                        |              |                                                                                                   |                                                                                                                          |   |   |
| LB     | Ball Nut Orientation Reversed                      | Ordering Code LB                                                                                                                                                                       | LG()         | Keyway on Fixed Side Shaft End                                                                    | Ordering Code LG8<br>① 1 mm Increment<br>② 3 < LG ≤ 15                                                                   |   |   |
|        | (Support Side) (Fixed Side)                        | Standard <br>Change  |              | (Fixed Side)     |                                                                                                                          |   |   |
| LC     | No Retaining Ring Groove on Support Side Shaft End | Ordering Code LC                                                                                                                                                                       | LH()         | Keyway on Fixed Side Shaft End                                                                    | Ordering Code LH5-S2<br>① 1 mm Increment<br>② 3 < LH<br>③ LH + S ≤ 15                                                    |   |   |
|        | (Support Side)                                     |                                                                                                     |              | (Fixed Side)    |                                                                                                                          |   |   |
| LD()   | Change Support Side Shaft End Machining            | Ordering Code LD20-Q8<br>① 1 mm Increment<br>② Q is selectable from 8, 12.<br>③ L remains unchanged, Y dimension is shortened.                                                         | LJ()         | Flat Machined on Fixed Side Shaft End                                                             | Ordering Code LJ10<br>① 1 mm Increment<br>② 5 ≤ LJ ≤ 15                                                                  |   |   |
|        | (Support Side)                                     |                                                                                                     |              | (Fixed Side)   |                                                                                                                          |   |   |
| LE()   | Change Support Side Shaft End Length               | Ordering Code LE15<br>① 1 mm Increment<br>② LE value range : 13~30.<br>③ L remains unchanged, Y dimension is shortened.                                                                | LP()<br>LQ() | 2 Flats Machined on Fixed Side Shaft End                                                          | Ordering Code LP10<br>① 1 mm Increment<br>② LP: 90° Positon<br>LQ: 120° Positon<br>③ 5 ≤ LP, LQ ≤ 15                     |   |   |
|        | (Support Side)                                     |                                                                                                     |              | (Fixed Side)  |                                                                                                                          |   |   |



Please order as shown

| Part Number |                  |      | 1 mm Increment | Accuracy Grade |
|-------------|------------------|------|----------------|----------------|
| Code        | Screw Shaft O.D. | Lead | L              |                |
| LCL31       | 15               | 5    | 150~1100       | C5             |

LCL31-15-5-L200

## Optional Processing

| Part Number |                  |      | 1 mm Increment | Accuracy Grade | Optional Processing Code      |  |
|-------------|------------------|------|----------------|----------------|-------------------------------|--|
| Code        | Screw Shaft O.D. | Lead | L              |                |                               |  |
| LCL31       | 15               | 5    | 150~1100       | C5             | LA LB LC LD() LE()            |  |
|             |                  |      |                |                | LN() LG() LH() LJ() LP() LQ() |  |

LCL31-15-5-L200-LC



## Discount price

| Per   | 1~5  | 6~                   |
|-------|------|----------------------|
| Price | 100% | Additional quotation |



Delivery  
6