

## Tailstock

### Compatible Rotary Tables

| Tailstock type                                                                     | Manual                                                                            | Hydraulic                                                                         | Pneumatic                                                                         |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| NC Rotary Table                                                                    |  |  |  |
| RN-100                                                                             | TL-110M                                                                           | —                                                                                 | —                                                                                 |
| RWE/RWA/RWH-160<br>RWM-160                                                         | TL-135M                                                                           | TLH-135                                                                           | TLP-135M                                                                          |
| RBS/RBH-160<br>RBM-160<br>RWE/RWA/RWH-200<br>RWA/RWH-250<br>RWB-250<br>RWM-200/250 | TL-160M                                                                           | TLH-160                                                                           | TLP-160M                                                                          |
| RBS/RBH-250<br>RWA/RWH-320<br>RWB-320<br>RWM-320                                   | TL-210M                                                                           | TLH-210                                                                           | —                                                                                 |
| RBS/RBH-320<br>RWB-400                                                             | TL-255M                                                                           | TLH-255                                                                           | —                                                                                 |
| RWB-500                                                                            | TL-310M                                                                           | —                                                                                 | —                                                                                 |
| RWB-630<br>RNCK-631                                                                | TL-400M                                                                           | —                                                                                 | —                                                                                 |
| RCV-800                                                                            | TL-530M                                                                           | —                                                                                 | —                                                                                 |

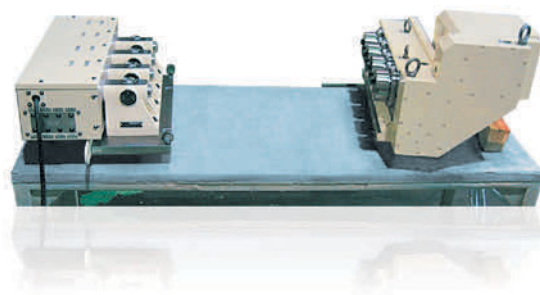
### Order Code

T L   - 160 M

Center height

| Alphabet | Type      |
|----------|-----------|
| N/A      | Manual    |
| H        | Hydraulic |
| P        | Pneumatic |

### Example of Pneumatic Tailstock

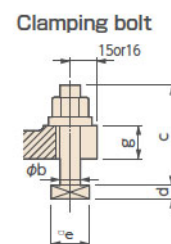
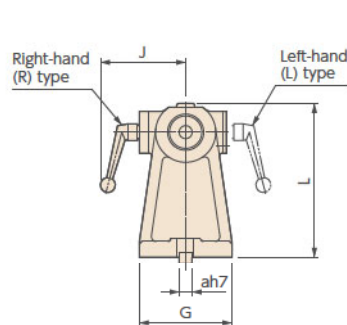
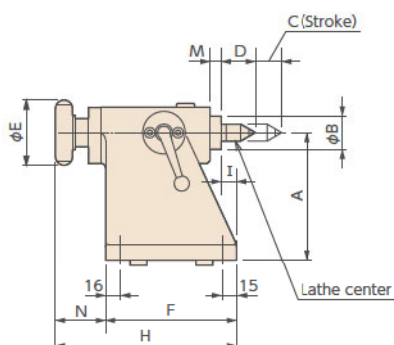


### Manual Tailstock

#### TL-110M, 135M



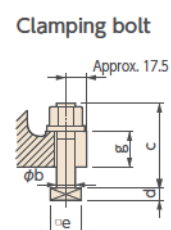
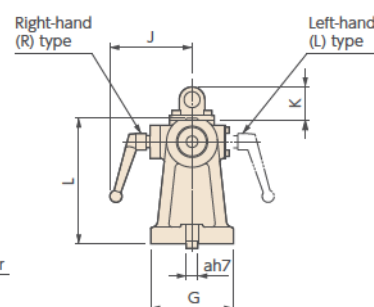
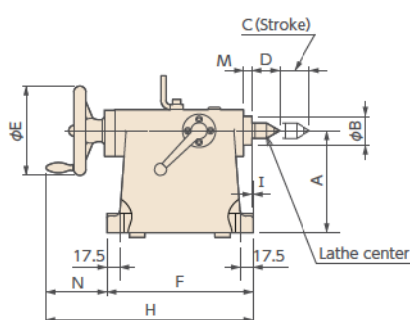
TL-135M



#### TL-   M



TL-160M



## Dimensions

Unit: mm

| Order Code | Morse taper | Center height<br>A | Center dia.<br>B | Stroke<br>C | Lathe center<br>D | Handle dia.<br>E | Base<br>dimensions<br>F×G | H   | I    | J   | K  | L   | M   | N   | a  | b  | c  | d  | e  | g  | Weight<br>kg |
|------------|-------------|--------------------|------------------|-------------|-------------------|------------------|---------------------------|-----|------|-----|----|-----|-----|-----|----|----|----|----|----|----|--------------|
| TL-110M    | MT2         | 110                | 35               | 28          | 36                | 70               | 139×100                   | 192 | 16   | 92  | —  | 141 | 12  | 53  | 14 | 12 | 55 | 8  | 23 | 20 | 8            |
| TL-135M    | MT2         | 135                | 35               | 28          | 36                | 70               | 139×100                   | 192 | 16   | 92  | —  | 166 | 12  | 53  | 14 | 12 | 55 | 8  | 23 | 20 | 9            |
| TL-160M    | MT3         | 160                | 45               | 47          | 44                | 140              | 230×130                   | 328 | 2    | 129 | 53 | 197 | 13  | 98  | 18 | 16 | 75 | 11 | 28 | 30 | 22           |
| TL-190M    | MT3         | 190                | 45               | 47          | 44                | 140              | 230×140                   | 328 | 2    | 129 | 53 | 227 | 13  | 98  | 18 | 16 | 75 | 11 | 28 | 30 | 24           |
| TL-210M    | MT3         | 210                | 45               | 47          | 44                | 140              | 230×146                   | 328 | 2    | 129 | 53 | 247 | 13  | 98  | 18 | 16 | 75 | 11 | 28 | 30 | 26           |
| TL-235M    | MT4         | 235                | 50               | 51          | 52.5              | 160              | 270×160                   | 381 | 12   | 132 | 53 | 274 | 8   | 113 | 18 | 16 | 80 | 11 | 28 | 35 | 30           |
| TL-255M    | MT4         | 255                | 50               | 51          | 52.5              | 160              | 270×170                   | 381 | 12   | 132 | 53 | 294 | 8   | 113 | 18 | 16 | 80 | 11 | 28 | 35 | 38           |
| TL-310M    | MT4         | 310                | 60               | 51          | 52.5              | 180              | 315×220                   | 422 | 15.5 | 154 | 68 | 354 | 9.5 | 107 | 18 | 16 | 85 | 11 | 28 | 40 | 63           |
| TL-400M    | MT4         | 400                | 60               | 51          | 52.5              | 180              | 315×240                   | 422 | 15.5 | 154 | 68 | 444 | 9.5 | 107 | 18 | 16 | 85 | 11 | 28 | 40 | 76           |
| TL-530M    | MT4         | 530                | 80               | 66          | 52.5              | 225              | 410×290                   | 528 | 29   | 165 | 68 | 594 | 6   | 118 | 22 | 20 | 95 | 13 | 32 | 40 | 138          |



TL-135M

## Example

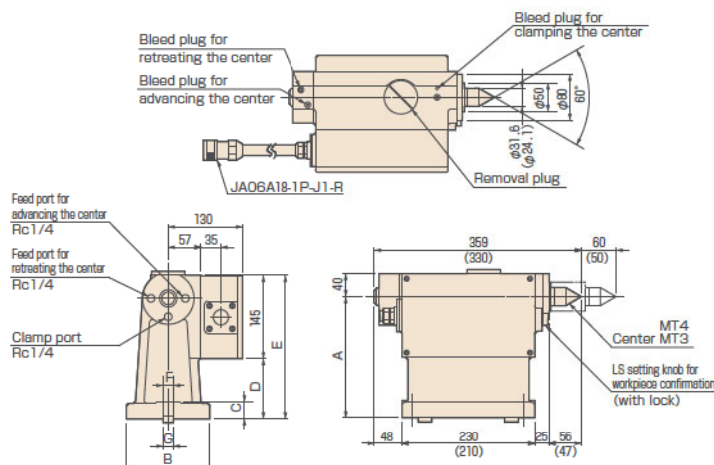


## Hydraulic Tailstock

TLH-□□□



TLH-160



Note 1: Dimensions in parentheses are for the TLH-135.  
Note 2: Specify the cable length when placing an order.

## Clamping bolt dimensions

Unit: mm

| Order Code         | G  | a  | b  | d  | e  | f  |
|--------------------|----|----|----|----|----|----|
| TLH-135            | 14 | 23 | 12 | 42 | 60 | 8  |
|                    | 16 | 26 | 16 | 46 | 70 | 10 |
|                    | 18 | 28 | 16 | 46 | 70 | 11 |
| TLH-160<br>TLH-210 | 14 | 23 | 12 | 47 | 65 | 8  |
|                    | 16 | 26 | 16 | 51 | 75 | 10 |
|                    | 18 | 28 | 16 | 51 | 75 | 11 |
| TLH-255            | 16 | 26 | 16 | 56 | 75 | 10 |
|                    | 18 | 28 | 16 | 56 | 80 | 11 |
|                    | 20 | 32 | 18 | 60 | 90 | 11 |

## Dimensions and specifications

Unit: mm

| Order Code | A   | B   | C  | D   | E   | F  | Carbide center | Hydraulic MPa | Center thrust force N | Center clamp torque N | Weight kg |
|------------|-----|-----|----|-----|-----|----|----------------|---------------|-----------------------|-----------------------|-----------|
| TLH-135    | 135 | 110 | 25 | 30  | 175 | 19 | MT3            | 1.5 to 6.8    | 1,670                 | 2,450                 | 28        |
| TLH-160    | 160 | 130 | 30 | 55  | 200 | 19 | MT4            |               | 2,352                 |                       | 33        |
| TLH-210    | 210 | 146 | 30 | 105 | 250 | 19 | MT4            |               | 2,352                 |                       | 36        |
| TLH-255    | 255 | 170 | 35 | 150 | 295 | 19 | MT4            |               | 2,352                 |                       | 40        |

\* The table above shows the center thrust force and clamp torque when the hydraulic pressure is 3.5MPa.

RBS

RBH

Multi-Spindle  
RBM

TBS

RWE/RWA  
RN

RWH

RWA-B  
RNCV-B

RWB

RWB-K  
RNCK

RCB

RCH  
RNC

RCV

Multi-Spindle  
RWM

TWA/TN

TWB  
TTNC

Multi-Spindle  
TWM

RDS

RTV  
RTT

TDS  
TDB

NC Controllers

Accessories

Options

Technical  
Information