

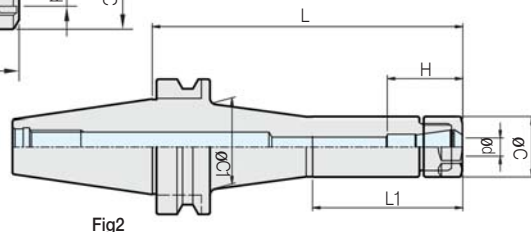
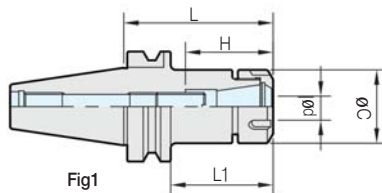
# ER COLLET CHUCK

Coolant-through hole

Clamping Range :  $\phi 0.5 \sim \phi 26.0$ 

CODE No.

|       |                |        |
|-------|----------------|--------|
| BT50  | ER16           | 105    |
| Shank | ER Collet Size | Length |



## PRODUCT INFORMATION

- 안정적인 정밀도와 파지력
- 쉽고빠른 공구교환
- 드릴, 엔드밀, 탭 다양한 사용범위

- Reliable accuracy and Powerful clamping force.
- Easy and quick tool exchange.
- ER COLLET CHUCK is suitable for a various operation using drill, endmill, tap.

| Code No.         | $\phi d$ | L   | L1  | $\phi C$ | C1 | H   |     | Collet | Fig | Weight (kg) |
|------------------|----------|-----|-----|----------|----|-----|-----|--------|-----|-------------|
|                  |          |     |     |          |    | Min | Max |        |     |             |
| BT30 - ER11 - 60 | 0.5~7.0  | 60  | 35  | 19       | -  | 19  | 34  | ER11   | 1   | 0.5         |
| - 75             |          | 75  | 50  |          |    |     |     |        |     | 0.5         |
| - 90             |          | 90  | 65  |          |    |     |     |        |     | 0.6         |
| ER16 - 60        | 0.5~10.0 | 60  | 35  | 28       | -  | 23  | 43  | ER16   | 1   | 0.5         |
| - 75             |          | 75  | 50  |          |    |     |     |        |     | 0.5         |
| - 90             |          | 90  | 65  |          |    |     |     |        |     | 0.6         |
| ER20 - 60        | 1.0~13.0 | 60  | 35  | 35       | -  | 25  | 48  | ER20   | 1   | 0.5         |
| - 75             |          | 75  | 50  |          |    |     |     |        |     | 0.6         |
| - 90             |          | 90  | 65  |          |    |     |     |        |     | 0.7         |
| ER25 - 60        | 1.0~16.0 | 60  | 35  | 42       | -  | 34  | 54  | ER25   | 1   | 0.6         |
| - 75             |          | 75  | 50  |          |    |     |     |        |     | 0.7         |
| - 90             |          | 90  | 65  |          |    |     |     |        |     | 0.8         |
| ER32 - 60        | 2.0~20.0 | 60  | 35  | 50       | -  | 40  | 60  | ER32   | 1   | 0.5         |
| - 75             |          | 75  | 50  |          |    |     |     |        |     | 0.7         |
| - 90             |          | 90  | 65  |          |    |     |     |        |     | 0.9         |
| BT40 - ER11 - 60 | 0.5~7.0  | 60  | 28  | 19       | -  | 19  | 34  | ER11   | 1   | 1.0         |
| - 90             |          | 90  | 58  |          | -  |     |     |        | 2   | 1.1         |
| - 120            |          | 120 | 65  |          | 26 |     |     |        | 2   | 1.2         |
| ER16 - 60        | 0.5~10.0 | 60  | 28  | 28       | -  | 23  | 43  | ER16   | 1   | 1.1         |
| - 90             |          | 90  | 58  |          | -  |     |     |        | 1   | 1.2         |
| - 120            |          | 120 | 73  |          | 36 |     |     |        | 2   | 1.3         |
| - 150            |          | 150 | 78  |          | 40 |     |     |        | 2   | 1.5         |
| - 180            |          | 180 | 85  |          | 42 |     |     |        | 2   | 1.8         |
| ER20 - 60        | 1.0~13.0 | 60  | 30  | 35       | -  | 25  | 48  | ER20   | 1   | 1.1         |
| - 90             |          | 90  | 60  |          | -  |     |     |        | 1   | 1.3         |
| - 120            |          | 120 | 90  |          | -  |     |     |        | 1   | 1.5         |
| - 150            |          | 150 | 120 |          | -  |     |     |        | 2   | 1.8         |
| - 180            |          | 180 | 86  |          | 46 |     |     |        | 2   | 2.0         |
| ER25 - 60        | 1.0~16.0 | 60  | 30  | 42       | -  | 34  | 54  | ER25   | 1   | 1.2         |
| - 90             |          | 90  | 60  |          | -  |     |     |        |     | 1.4         |
| - 120            |          | 120 | 90  |          | -  |     |     |        |     | 1.6         |
| - 150            |          | 150 | 120 |          | -  |     |     |        |     | 1.8         |
| - 180            |          | 180 | 150 |          | -  |     |     |        |     | 2.2         |
| ER32 - 60        | 2.0~20.0 | 60  | 30  | 50       | -  | 40  | 60  | ER32   | 1   | 1.3         |
| - 90             |          | 90  | 60  |          | -  |     |     |        |     | 1.4         |
| - 120            |          | 120 | 90  |          | -  |     |     |        |     | 1.7         |
| - 150            |          | 150 | 120 |          | -  |     |     |        |     | 2.1         |
| - 180            |          | 180 | 150 |          | -  |     |     |        |     | 2.5         |
| ER40 - 90        | 3.0~26.0 | 90  | 60  | 63       | -  | 50  | 80  | ER40   | 1   | 2.4         |
| - 120            |          | 120 | 90  |          | -  |     |     |        |     | 2.8         |
| - 150            |          | 150 | 120 |          | -  |     |     |        |     | 3.2         |

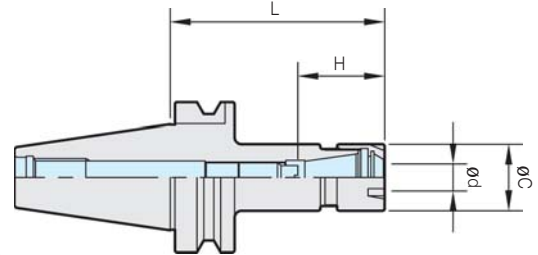
## ER SLIM COLLET CHUCK



Coolant-through hole  
Clamping Range :  $\phi 0.5 \sim \phi 16.0$

CODE No.

**BT50** **ER25** **M** **105**  
Shank ER Collet Size Slim Length



## PRODUCT INFORMATION

- 좁고 깊은 곳에 적합
- 뛰어난 정밀도와 파지력
- 척킹 범위  $\phi 0.5\text{mm} \sim \phi 16.0\text{mm}$
- Narrow and depth place.
- High accuracy and Powerful clamping force.
- Chucking Dia  $\phi 0.5\text{mm} \sim \phi 16.0\text{mm}$

| Code No.           | $\phi d$ | L   | $\phi C$ | H   |     | Collet | Weight (kg) |
|--------------------|----------|-----|----------|-----|-----|--------|-------------|
|                    |          |     |          | Min | Max |        |             |
| BT30 - ER11M - 45  | 0.5~ 7.0 | 45  | 16       | 20  | 35  | ER11   | 0.5         |
| - 60               |          | 60  |          |     |     |        | 0.5         |
| ER16M - 45         |          | 45  |          |     |     |        | 0.5         |
| - 60               | 0.5~10.0 | 60  | 22       | 30  | 45  | ER16   | 0.5         |
| - 90               |          | 90  |          |     |     |        | 0.6         |
| ER20M - 45         |          | 45  |          |     |     |        | 0.5         |
| - 60               | 1.0~13.0 | 60  | 28       | 35  | 50  | ER20   | 0.6         |
| - 90               |          | 90  |          |     |     |        | 0.7         |
| ER25M - 45         |          | 45  |          |     |     |        | 0.6         |
| - 60               | 1.0~16.0 | 60  | 35       | 40  | 55  | ER25   | 0.7         |
| - 90               |          | 90  |          |     |     |        | 0.8         |
| BT40 - ER11M - 60  | 0.5~ 7.0 | 60  | 16       | 20  | 35  | ER11   | 1.0         |
| - 90               |          | 90  |          |     |     |        | 1.1         |
| - 120              |          | 120 |          |     |     |        | 1.2         |
| ER16M - 60         | 0.5~10.0 | 60  | 22       | 30  | 45  | ER16   | 1.2         |
| - 90               |          | 90  |          |     |     |        | 1.1         |
| - 120              |          | 120 |          |     |     |        | 1.4         |
| ER20M - 60         | 1.0~13.0 | 60  | 28       | 35  | 50  | ER20   | 1.1         |
| - 90               |          | 90  |          |     |     |        | 1.2         |
| - 120              |          | 120 |          |     |     |        | 1.6         |
| ER25M - 75         | 1.0~16.0 | 75  | 35       | 40  | 55  | ER25   | 1.2         |
| - 90               |          | 90  |          |     |     |        | 1.3         |
| - 120              |          | 120 |          |     |     |        | 1.8         |
| BT50 - ER11M - 105 | 0.5~ 7.0 | 105 | 16       | 20  | 35  | ER11   | 3.8         |
| - 135              |          | 135 |          |     |     |        | 3.9         |
| - 165              |          | 165 |          |     |     |        | 4.0         |
| ER16M - 105        | 0.5~10.0 | 105 | 22       | 30  | 45  | ER16   | 3.8         |
| - 135              |          | 135 |          |     |     |        | 4.0         |
| - 165              |          | 165 |          |     |     |        | 4.2         |
| ER20M - 105        | 1.0~13.0 | 105 | 28       | 35  | 50  | ER20   | 3.8         |
| - 135              |          | 135 |          |     |     |        | 3.9         |
| - 165              |          | 165 |          |     |     |        | 4.5         |
| ER25M - 105        | 1.0~16.0 | 105 | 35       | 40  | 55  | ER25   | 3.9         |
| - 135              |          | 135 |          |     |     |        | 4.1         |
| - 165              |          | 165 |          |     |     |        | 4.5         |

## Spare Parts

| Type  | Basic                                                                               |                                                                                     | Option                                                                                |                                                                                       |
|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|       | NUT                                                                                 | Adjust Screw                                                                        | Spanner                                                                               | Collet                                                                                |
| ER11M |  |  |  |  |
| ER16M | SM/ER16M                                                                            | BTD0716-C                                                                           | ER11M-SP                                                                              | ER11- $\phi$                                                                          |
| ER20M | SM/ER20M                                                                            | BTD1025-C                                                                           | ER16M-SP                                                                              | ER16- $\phi$                                                                          |
| ER25M | SM/ER25M                                                                            | BTD1325-C                                                                           | ER20M-SP                                                                              | ER20- $\phi$                                                                          |
|       |                                                                                     | BTD1830-C                                                                           | ER25M-SP                                                                              | ER25- $\phi$                                                                          |

▶ ER콜릿은 P146  
▶ 스패너는 별매입니다. P157

▶ ER COLLET is referred. P146  
▶ Spanner is ordered separately. P157