

## SBT SERIES

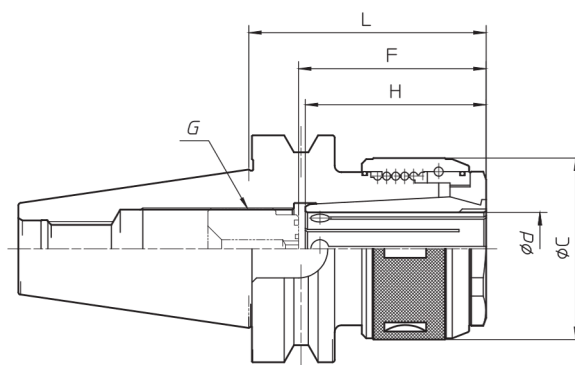
## HARD CHUCK

Thru-the-tool Coolant Available

センタースルー対応

## FEATURES

- The ball screw structure provides high clamping power.
- Easy handling.
- High accuracy and rigidity are kept long.



※SBT type is tooling compatible with BT2 face-contact spindle.(BT type is also supported.)

| MODEL |            | ød           | L         | øC1 | H  | G         | F    |      | SPRING COLLET       | ADJUST SCREW | N/W (kg) |
|-------|------------|--------------|-----------|-----|----|-----------|------|------|---------------------|--------------|----------|
|       |            |              |           |     |    |           | MIN. | MAX. |                     |              |          |
| SBT40 | -CTH16-105 | 16           | 105       | 52  | 50 | M18 × 1.5 | 50   | 80   | C16-(16)            | OR-M18       | 1.9      |
|       | -135       |              | 135       |     |    |           |      |      |                     |              | 2.3      |
|       | -165       |              | 165       |     |    |           |      |      |                     |              | 2.7      |
|       | -CTH20-090 | 20           | 90        | 60  | 50 | M18 × 1.5 | 50   | 75   | C20-(20)            | OR-M18       | 1.9      |
|       | -120       |              | 120       |     |    |           |      |      |                     |              | 2.4      |
|       | -CTH25-105 | 25           | 105       | 68  | 68 | M28 × 1.5 | 68   | 85   | C25-(25)            | OR-M28       | 2.2      |
|       | -135       |              | 135       |     |    |           |      |      |                     |              | 2.9      |
|       | -165       |              | 165       |     |    |           |      |      |                     |              | 3.5      |
|       | -CTH32-105 | 32           | 105       | 80  | 70 | M18 × 1.5 | 80   | 95   | CS32-(32)           | OR-M18       | 2.6      |
| -135  | 135        |              | M28 × 1.5 |     |    | OR-M28    |      |      |                     | 3.3          |          |
| SBT50 | -CTH16-105 | 16           | 105       | 52  | 50 | M18 × 1.5 | 50   | 100  | C16-(16)            | OR-M18       | 4.2      |
|       | -135       |              | 135       |     |    |           |      |      |                     |              | 4.7      |
|       | -165       |              | 165       |     |    |           |      |      |                     |              | 5.2      |
|       | -CTH20-105 | 20           | 105       | 60  | 50 | M18 × 1.5 | 50   | 100  | C20-(20)            | OR-M18       | 4.6      |
|       | -135       |              | 135       |     |    |           |      |      |                     |              | 5.1      |
|       | -165       |              | 165       |     |    |           |      |      |                     |              | 5.6      |
|       | -CTH25-105 | 25           | 105       | 68  | 68 | M28 × 1.5 | 68   | 100  | C25-(25)            | OR-M28       | 4.6      |
|       | -135       |              | 135       |     |    |           |      |      |                     |              | 5.2      |
|       | -165       |              | 165       |     |    |           |      |      |                     |              | 6.0      |
|       | -200       |              | 200       |     |    |           |      |      |                     |              | 6.6      |
|       | -CTH32-105 | 32           | 105       | 80  | 80 | M36 × 1.5 | 80   | 100  | C32-(32)            | OR-M36       | 4.8      |
|       | -135       |              | 135       |     |    |           |      |      |                     |              | 5.9      |
|       | -165       |              | 165       |     |    |           |      |      |                     |              | 6.5      |
|       | -200       |              | 200       |     |    |           |      |      |                     |              | 6.8      |
|       | -250       |              | 250       |     |    |           |      |      |                     |              | 8.3      |
|       | -300       |              | 300       |     |    |           |      |      |                     |              | 10.0     |
|       | -CTH42-105 | 42           | 105       | 95  | 90 | M36 × 1.5 | 90   | 110  | C42-(42)            | OR-M36       | 5.2      |
|       | -135       |              | 135       |     |    |           |      |      |                     |              | 6.5      |
|       | -165       |              | 165       |     |    |           |      |      |                     |              | 7.0      |
|       | -200       |              | 200       |     |    |           |      |      |                     |              | 7.7      |
|       | -250       |              | 250       |     |    |           |      |      |                     |              | 9.9      |
|       | -CTH50-120 | 50<br>(50.8) | 120       | 105 | 95 | M36 × 1.5 | 95   | 115  | C50-(50)<br>-(50.8) | OR-M36       | 6.4      |
|       | -135       |              | 135       |     |    |           |      |      |                     |              | 7.2      |
|       | -165       |              | 165       |     |    |           |      |      |                     |              | 8.7      |

## NOTE:

1. A spring collet is supplied with Hard chuck. Unless otherwise required, maximum ID spring collet is supplied.
2. Chuck wrench and adjust screw are sold separately.
3. For thru-the-tool coolant application, OR-adjust screw is used.

## SBT SERIES

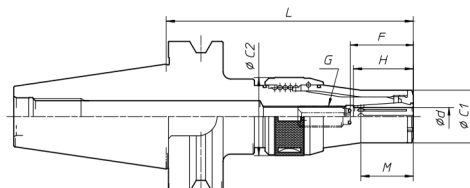
## SLIM HARD CHUCK

Thru-the-tool Coolant Available

センタースルー対応

## FEATURES

- The ball screw structure provides high clamping power.
- Easy handling.
- High accuracy and rigidity are kept long



※SBT type is tooling compatible with BT2 face-contact spindle. (BT type is also supported.)

| MODEL |             | $\phi d$ | L   | M  | $\phi C1$ | $\phi C2$ | H  | G         | F  |    | SPRING COLLET            | ADJUST SCREW | N/W (kg) |
|-------|-------------|----------|-----|----|-----------|-----------|----|-----------|----|----|--------------------------|--------------|----------|
| SBT40 | -CTH12L-135 | 6~12     | 135 | 35 | 35        | 52        | 52 | M14 × 1.5 | 50 | 80 | OPTION C12L- (6/8/10/12) | OR-M14       | 1.9      |
|       | -CTH12L-165 |          | 165 |    |           |           |    |           |    |    |                          |              | 4.7      |

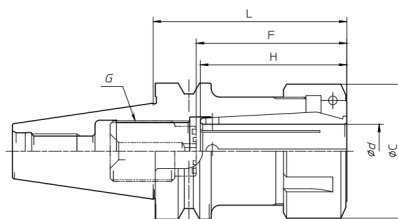
- Note 1: Usable with spindle-through on all sizes. (Please order OR type adjustment screw separately.)
- Note 2: Spring collet is not included, please purchase separately.

## SBT SERIES

## NEW MILLING CHUCK (G TYPE)

Thru-the-tool Coolant Available

センタースルー対応



※SBT type is tooling compatible with BT2 face-contact spindle. (BT type is also supported.)

| MODEL |  | $\phi d$ | L | $\phi C$ | H | G | F    |      | SPRING COLLET | ADJUST SCREW | N/W (kg) |
|-------|--|----------|---|----------|---|---|------|------|---------------|--------------|----------|
|       |  |          |   |          |   |   | MIN. | MAX. |               |              |          |

Max. 25,000min-1

|       |            |    |     |    |    |           |     |    |           |        |     |
|-------|------------|----|-----|----|----|-----------|-----|----|-----------|--------|-----|
| SBT40 | -CT25-075G | 25 | 75  | 62 | 68 | M18 × 1.5 | 68  | 78 | C25-(25)  | OR-M18 | 1.6 |
|       | -090G      |    | 90  |    |    | M28 × 1.5 |     |    |           | 68     | 85  |
|       | -105G      |    | 105 |    |    |           | 1.7 |    |           |        |     |
|       | -135G      |    | 135 |    |    |           | 1.8 |    |           |        |     |
|       | -CT32-090G | 32 | 90  | 74 | 70 | M18 × 1.5 | 80  | 90 | CS32-(32) | OR-M18 | 2.5 |
|       | -105G      |    | 105 |    |    |           |     |    |           |        | 2.6 |
|       | ※ -135G    |    | 135 |    |    |           |     |    |           |        | 2.8 |

Max. 25,000min-1

|       |            |    |     |    |    |           |    |     |          |        |     |
|-------|------------|----|-----|----|----|-----------|----|-----|----------|--------|-----|
| SBT50 | -CT25-075G | 25 | 75  | 62 | 68 | M28 × 1.5 | 68 | 90  | C25-(25) | OR-M28 | 2.9 |
|       | -105G      |    | 105 |    |    |           |    | 100 |          |        | 3.5 |
|       | -135G      |    | 135 |    |    |           |    | 100 |          |        | 4.1 |
|       | -CT32-075G | 32 | 75  | 74 | 80 | M36 × 1.5 | 80 | 95  | C32-(32) | OR-M36 | 3.9 |
|       | -105G      |    | 105 |    |    |           |    | 100 |          |        | 4.5 |
|       | ※ -135G    |    | 135 |    |    |           |    | 100 |          |        | 5.1 |

NOTE:

1. A spring collet is supplied with Hard chuck. Unless otherwise required, maximum ID spring collet is supplied.
2. Chuck wrench and adjust screw are sold separately.
3. For thru-the-tool coolant application, OR-adjust screw is used.
4. The above-mentioned maximum speed will vary depending of cutter. An adequated cutting conditio

## HSK SERIES

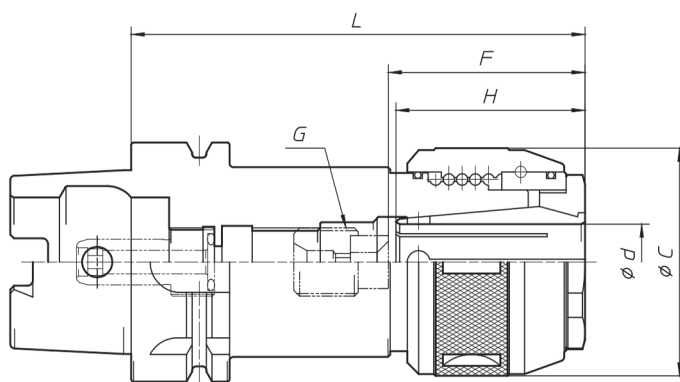
# HARD CHUCK

Thru-the-tool Coolant Available

センタースルー対応

### FEATURES

- The ball screw structure provides high clamping power.
- Easy handling.
- High accuracy and rigidity are kept long.



| MODEL   |            | $\phi d$ | L   | $\phi C$ | H  | G        | F   |      | SPRING COLLET | ADJUST SCREW | N/W (kg) |
|---------|------------|----------|-----|----------|----|----------|-----|------|---------------|--------------|----------|
|         |            |          |     |          |    |          | MIN | MAX. |               |              |          |
| HSKA63  | -CTH16-120 | 16       | 120 | 52       | 50 | M18xP1.5 | 50  | 70   | C16-(16)      | OR-M18-25    | 2.3      |
|         | -CTH20-120 | 20       |     | 60       |    |          |     |      | C20-(20)      |              | 2.5      |
|         | -CTH25-120 | 25       | 135 | 68       | 68 | M28xP1.5 | 60  | 80   | C25-(25)      | OR-M28-25    | 2.8      |
|         | -CTH32-135 | 32       |     | 80       |    |          |     |      | C32-(32)      |              | 3.1      |
| HSKA100 | -CTH16-135 | 16       | 135 | 52       | 70 | M18xP1.5 | 50  | 69   | C16-(16)      | OR-M18-35    | 3.8      |
|         | -CTH20-135 | 20       |     | 60       |    |          |     |      | C20-(20)      |              | 4.0      |
|         | -CTH25-135 | 25       | 150 | 68       | 68 | M28xP1.5 | 68  | 79   | C25-(25)      | OR-M28-25    | 4.3      |
|         | -CTH32-150 | 32       |     | 80       |    |          |     |      | C32-(32)      |              | 5.5      |
|         | -CTH42-165 | 42       |     | 95       |    | M36xP1.5 | 90  | 114  | C42-(42)      | OR-M36-20    | 6.7      |

#### NOTE:

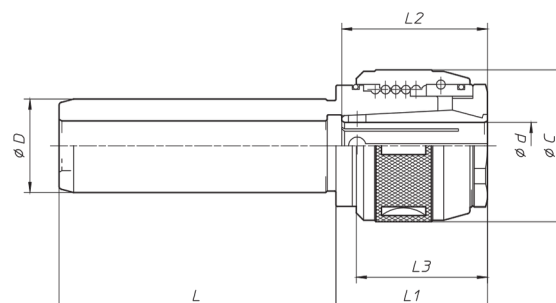
1. A Coolant pipe is supplied with chuck.
2. A spring collet is supplied with Hard chuck. Unless otherwise required, maximum ID spring collet is supplied.
3. Chuck wrench and adjust screw are sold separately.
4. For thru-the-tool cool

## ST SERIES

## HARD CHUCK

Thru-the-tool Coolant Available

センタースルー対応



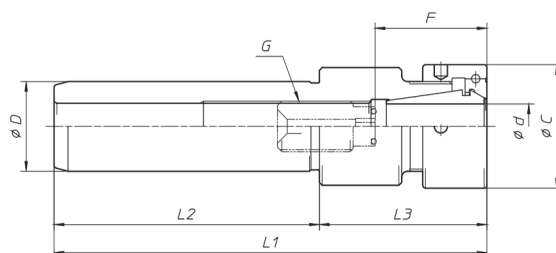
| MODEL |        | øD | ød | L  | L1 | L2 | L3 | øC | N/W (kg) |
|-------|--------|----|----|----|----|----|----|----|----------|
| ST32  | -CTH16 | 32 | 16 | 95 | 48 | 50 | 42 | 52 | 1.0      |
| ST42  | -CTH16 | 42 |    |    |    |    |    |    | 1.5      |

## ST SERIES

## COLLET CHUCK

Thru-the-tool Coolant Available

センタースルー対応



| MODEL |            | øD | ød<br>GRIPPING<br>RANGE | L1  | L2  | L3 | øC | G       | F    |      | COLLET<br>SIZE | ADJUST<br>SCREW | N/W<br>(kg) |  |
|-------|------------|----|-------------------------|-----|-----|----|----|---------|------|------|----------------|-----------------|-------------|--|
|       |            |    |                         |     |     |    |    |         | MIN. | MAX. |                |                 |             |  |
| ST20  | -CTM07-120 | 20 | 0.5~7                   | 120 | 100 | 20 | 23 | M6×1    | 25   | 65   | CR07-⌀         | OH-M10          | 0.28        |  |
|       | -CTM10-120 |    |                         | 120 | 95  |    |    |         | 30   | 60   | CR10-⌀         |                 |             |  |
| ST25  | -CTM07-140 | 25 | 0.5~7                   | 140 | 120 | 20 | 23 | M6×1    | 25   | 65   | CR07-⌀         |                 | 0.42        |  |
|       | -CTM13-140 |    | 0.5~13                  | 140 | 95  | 45 | 36 | M12x1.5 | 35   | 70   | CR13-⌀         | OH-M12          | 0.55        |  |
| ST32  | -CTM07-125 | 32 | 0.5~7                   | 125 | 95  | 30 | 23 | M6×1    | 25   | 65   | CR07-⌀         |                 | 0.59        |  |
|       | -215       |    |                         | 215 | 120 | 95 |    |         |      |      |                |                 | 0.87        |  |
|       | -CTM10-125 |    | 0.5~10                  | 125 | 95  | 30 | 32 | M10×1.5 | 30   | 75   | CR10-⌀         | OH-M10          | 0.65        |  |
|       | -215       |    |                         | 215 | 190 | 25 |    |         |      |      |                |                 | 1.1         |  |
|       | -CTM13-155 |    | 0.5~13                  | 155 | 95  | 60 | 36 | M12×1.5 | 35   | 85   | CR13-⌀         | OH-M12          | 0.81        |  |
|       | -215       |    |                         | 215 | 155 | 60 |    |         |      |      |                |                 | 1.1         |  |
|       | -CTM16-155 |    | 1~16                    | 155 | 95  | 60 | 44 | M18×1.5 | 40   | 65   | CR16-⌀         | OH-M18          | 0.88        |  |
|       | -215       |    |                         | 215 | 155 | 60 |    |         |      |      |                |                 | 1.2         |  |
|       | -CTM20-155 |    | 1.5~20                  | 155 | 95  | 60 | 52 | M18×1.5 | 40   | 70   | CR20-⌀         |                 | 1.0         |  |
|       | -215       |    |                         | 215 | 155 | 60 |    |         |      |      |                |                 | 1.2         |  |