

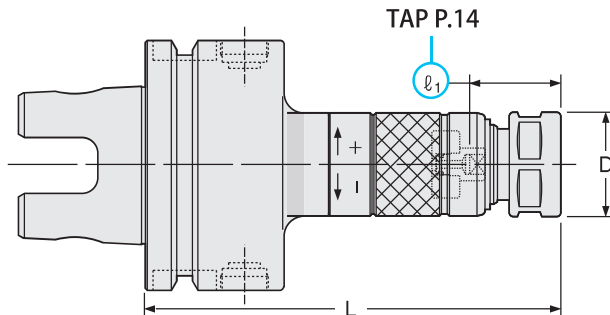


# STM

## Synchronous Tap Holder With Easy Tool Length Adjustment

Projection length of the cutting tool can be adjusted by simply turning circumference of the holder.

**Max RPM  
20,000**



(NOTE) Nut O.D. of STM8 is 19mm.

Unit : Metric

| Code Low Pressure | Code High Pressure | Model                | Tap Size                                     | L   | D  | kg  | Nut      | Collet | Preset Driver | Spanner |
|-------------------|--------------------|----------------------|----------------------------------------------|-----|----|-----|----------|--------|---------------|---------|
| —                 | 137000400090       | UTS5040 -STM8 -90H   | JIS M4 ~M8                                   | 90  | 21 | 0.6 | KDP-1414 | FDC-07 | STS-8         | SN0017  |
| —                 | 137000400105       | -105H                | DIN M5 ~M8                                   | 105 | 21 |     |          |        |               |         |
| —                 | 137000400120       | -120H                | ANSI #0 ~1/4                                 | 120 | 21 | 0.6 |          |        |               |         |
| —                 | 137010400090       | -STM12 -90H          | JIS M4 ~M12                                  | 90  | 26 | 0.6 | HTP-09   | FSC-09 | STS-12        | S-1L    |
| —                 | 137010400105       | -105H                | DIN M5 ~M10                                  | 105 | 26 | 1.1 |          |        |               |         |
| —                 | 137010400120       | -120H                | ANSI #0 ~7/16                                | 120 | 26 | 0.7 |          |        |               |         |
| —                 | 137030400105       | -STM18 -105H         | JIS M4 ~M18                                  | 105 | 36 | 0.8 | HTP-16   | FSC-16 | STS-18        | S-4L    |
| —                 | 137030400120       | -120H                | DIN M9 ~M18                                  | 120 | 36 | 0.9 |          |        |               |         |
| —                 | 137030400135       | -135H                | ANSI 1/2 ~7/16                               | 135 | 36 |     |          |        |               |         |
| —                 | 137030400150       | -150H                |                                              | 150 | 36 | 3.0 |          |        |               |         |
| —                 | 137040400120       | -STM30 -120H         | JIS M20 ~M30                                 | 120 | 46 | 1.1 | HTP-22   | FSC-22 | STS-30        | S-5L    |
| —                 | 137040400135       | -135H                | DIN M20                                      | 135 | 46 |     |          |        |               |         |
| —                 | 137040400150       | -150H                | ANSI 3/4 ~1'                                 | 150 | 46 |     |          |        |               |         |
| 137000200090      | 137000500090       | UTS6350 -STM8 -90 ※  | JIS M4 ~M8<br>DIN M5 ~M8<br>ANSI #0 ~1/4     | 90  | 21 | 0.9 | KDP-1414 | FDC-07 | STS-8         | SN0017  |
| 137000200105      | 137000500105       | -105                 |                                              | 105 | 21 | 1.0 |          |        |               |         |
| 137000200120      | 137000500120       | -120                 |                                              | 120 | 21 | 1.0 |          |        |               |         |
| 137000200135      | 137000500135       | -135                 |                                              | 135 | 21 | 1.0 |          |        |               |         |
| 137000200150      | 137000500150       | -150                 |                                              | 150 | 21 | 1.1 |          |        |               |         |
| 137010200090      | 137010500090       | -STM12 -90           | JIS M4 ~M12<br>DIN M5 ~M10<br>ANSI #0 ~7/16  | 90  | 26 | 1.0 | HTP-09   | FSC-09 | STS-12        | S-1L    |
| 137010200105      | 137010500105       | -105                 |                                              | 105 | 26 | 1.1 |          |        |               |         |
| 137010200120      | 137010500120       | -120                 |                                              | 120 | 26 | 1.1 |          |        |               |         |
| 137010200135      | 137010500135       | -135                 |                                              | 135 | 26 | 1.1 |          |        |               |         |
| 137010200150      | 137010500150       | -150                 |                                              | 150 | 26 | 2.8 |          |        |               |         |
| 137010200180      | 137010500180       | -180                 |                                              | 180 | 26 | 1.3 |          |        |               |         |
| 137030200105      | 137030500105       | -STM18 -105          | JIS M4 ~M18<br>DIN M9 ~M18<br>ANSI 1/2 ~7/16 | 105 | 36 | 1.2 | HTP-16   | FSC-16 | STS-18        | S-4L    |
| 137030200120      | 137030500120       | -120                 |                                              | 120 | 36 | 1.3 |          |        |               |         |
| 137030200135      | 137030500135       | -135                 |                                              | 135 | 36 | 1.4 |          |        |               |         |
| 137030200150      | 137030500150       | -150                 |                                              | 150 | 36 | 3.0 |          |        |               |         |
| 137030200180      | 137030500180       | -180                 |                                              | 180 | 36 | 1.7 |          |        |               |         |
| 137040200120      | 137040500120       | -STM30 -120          | JIS M20 ~M30<br>DIN M20<br>ANSI 3/4 ~1'      | 120 | 46 | 1.5 | HTP-22   | FSC-22 | STS-30        | S-5L    |
| 137040200135      | 137040500135       | -135                 |                                              | 135 | 46 | 1.6 |          |        |               |         |
| 137040200150      | 137040500150       | -150                 |                                              | 150 | 46 | 1.8 |          |        |               |         |
| 137040200180      | 137040500180       | -180                 |                                              | 180 | 46 |     |          |        |               |         |
| 137000300090      | 137000600090       | UTS10080 -STM8 -90 ※ | JIS M4 ~M8<br>DIN M5 ~M8<br>ANSI #0 ~1/4     | 90  | 21 |     | KDP-1414 | FDC-07 | STS-8         | SN0017  |
| 137000300105      | 137000600105       | -105                 |                                              | 105 | 21 | 2.5 |          |        |               |         |
| 137000300120      | 137000600120       | -120                 |                                              | 120 | 21 | 2.5 |          |        |               |         |
| 137000300135      | 137000600135       | -135                 |                                              | 135 | 21 |     |          |        |               |         |
| 137000300150      | 137000600150       | -150                 |                                              | 150 | 21 |     |          |        |               |         |
| 137000300165      | 137000600165       | -165                 |                                              | 165 | 21 |     |          |        |               |         |
| 137010300090      | 137010600090       | -STM12 -90 ※         | JIS M4 ~M12<br>DIN M5 ~M10<br>ANSI #0 ~7/16  | 90  | 26 |     | HTP-09   | FSC-09 | STS-12        | S-1L    |
| 137010300105      | 137010600105       | -105                 |                                              | 105 | 26 | 1.1 |          |        |               |         |
| 137010300120      | 137010600120       | -120                 |                                              | 120 | 26 | 2.6 |          |        |               |         |
| 137010300135      | 137010600135       | -135                 |                                              | 135 | 26 | 2.6 |          |        |               |         |
| 137010300150      | 137010600150       | -150                 |                                              | 150 | 26 | 2.8 |          |        |               |         |
| 137010300180      | 137010600180       | -180                 |                                              | 180 | 26 | 2.8 |          |        |               |         |

Unit : Metric

| Code Low pressure | Code High Pressure | Model                       | Tap Size                                  | L   | D  | kg  | Nut    | Collet | Preset Driver | Spanner |
|-------------------|--------------------|-----------------------------|-------------------------------------------|-----|----|-----|--------|--------|---------------|---------|
| 137030300105      | 137030600105       | <b>UTS10080 -STM18 -105</b> | JIS M4~M18<br>DIN M9~M18<br>ANSI 1/2~7/16 | 105 | 36 | 2.7 | HTP-16 | FSC-16 | STS-18        | S-4L    |
| 137030300120      | 137030600120       | <b>-120</b>                 |                                           | 120 | 36 | 2.8 |        |        |               |         |
| 137030300135      | 137030600135       | <b>-135</b>                 |                                           | 135 | 36 | 2.9 |        |        |               |         |
| 137030300150      | 137030600150       | <b>-150</b>                 |                                           | 150 | 36 | 3.0 |        |        |               |         |
| 137030300180      | 137030600180       | <b>-180</b>                 |                                           | 180 | 36 | 3.2 |        |        |               |         |
| 137040300120      | 137040600120       | <b>-STM30 -120</b>          | JIS M4~M12<br>DIN M5~M10<br>ANSI #0~7/16  | 120 | 46 | 2.9 | HTP-22 | FSC-22 | STS-30        | S-5L    |
| 137040300135      | 137040600135       | <b>-135</b>                 |                                           | 135 | 46 |     |        |        |               |         |
| 137040300150      | 137040600150       | <b>-150</b>                 |                                           | 150 | 46 | 3.3 |        |        |               |         |
| 137040300180      | 137040600180       | <b>-180</b>                 |                                           | 180 | 46 |     |        |        |               |         |
| 13704030210       | 137040600210       | <b>-210</b>                 |                                           | 210 | 46 | 4.0 |        |        |               |         |

- Collet, spanner, and preset driver are sold separately.
- Please see below for  $\varnothing 1$  dimension. For models with \*, please see  $\varnothing 1$  (\*) row in the below chart.
- Tap holes smaller than M4 can be made by STM8. Collets to be used are as follows.  
M1-M2.6: FDC-03007-\*\*\* M3-M3.5: FDC-04007-\*\*\*  
Tap drive will not be used for the above usages.
- Only high pressure type is available for UTS5040.

## Ordering Example

## Low pressure type

0 ~ 1.0MPa (UTS10080 0 ~ 2.0MPa)

**UTS6350 - STM12 -90**

Shank size

Holder size

Projection length

## Ordering Example

## High pressure type

1.1 ~ 7.0MPa (UTS10080 2.1 ~ 7.0MPa)

**UTS6350 - STM12 - 90 -H**

Shank size

Holder size

Projection length High pressure type

Unit: Metric

| STM $\varnothing 1$ Dimension (STM 12-30) |        |               |            |        |                          |        |             |        |        |
|-------------------------------------------|--------|---------------|------------|--------|--------------------------|--------|-------------|--------|--------|
| w/out center through coolant              |        |               |            |        | w/center through coolant |        |             |        |        |
| $\varnothing 1$                           | JIS    | ANSI          | DIN371     | DIN376 | $\varnothing 1$          | JIS    | ANSI        | DIN371 | DIN376 |
| 21-35                                     | M4-6   | #8-12         | M5, M6, M8 | M8     | 24-35                    | M4-6   |             |        |        |
| 23-37                                     | M7-12  | 1/4 - 7/16    | M10        |        | 25-37                    | M7-10  | 1/4         | M5, M6 | M8     |
| 28-42                                     | M13-15 | 1/2 - 3/8     |            | M16    | 26-37                    | M11-12 | 1/8SPT-7/16 | M8     |        |
| 32-45                                     | M16-17 | 5/8           |            |        | 32-42                    |        |             |        |        |
| 33-47                                     | M18-27 | 1/4PT - 13/16 |            | M20    | 33-42                    | M13-15 | 1/2 - 3/8   | M10    |        |
| 38-52                                     | M30    |               |            |        | 34-42                    |        |             |        | M16    |
|                                           |        |               |            |        | 35-46                    | M16    |             |        |        |
|                                           |        |               |            |        | 36-47                    | M18    | 11/16       |        |        |
| w/center through coolant (STM8 only)      |        |               |            |        | 40-47                    | M20-21 | 3/4         |        | M20    |
| $\varnothing 1$                           | JIS    | ANSI          | DIN371     | DIN376 | 41-47                    | M22    |             |        |        |
| 24-35                                     | M4-6   | #8-12         |            |        | 42-47                    | M23    |             |        |        |
| 26-37                                     | M7-8   |               | M6         |        | 43-47                    | M24-25 |             |        |        |
|                                           |        |               |            |        | 44-47                    | M26-27 |             |        |        |
|                                           |        |               |            |        | 45-52                    | M28    |             |        |        |
|                                           |        |               |            |        | 46-52                    | M30    |             |        |        |
|                                           |        |               |            |        | 48-52                    |        |             |        |        |

| Collet                                                                              | Preset driver                                                                         | Spanner                                                                               |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| FDC: ACC 02-03<br>FSC: TAP 32                                                       | TAP 33-34                                                                             | TAP 35                                                                                |
|  |  |  |