

# PRODUCT NEWS

PN-E-007

## SERIES EXPANSION

TEZ-H type (insert)

TEZDF type (holder)

TEZD-M type (holder)



*Indexable EZ Drill*

# TEZD type

- TEZDF-MS type (L/D=3) :  $\Phi 13.5 \sim \Phi 32.5$
- TEZDF-ML type (L/D=5) :  $\Phi 13.5 \sim \Phi 32.5$
- TEZDF-XL type (L/D=8) :  $\Phi 13.5 \sim \Phi 32.5$
- TEZD-M type (Modular Head) :  $\Phi 13.5 \sim \Phi 32.5$



“Indexable drill TEZD type” achieves easy assembly  
and high cutting performance.



NEW



TEZDF / TEZD-M type

NEW



TEZ-H type



DIJET GmbH

[www.dijet.de](http://www.dijet.de)

## Feature 1 Drill Body Variations

**L/D=3**  
Φ13.5 - 32.5



**L/D=5**  
Φ13.5 - 32.5



**L/D=8**  
Φ13.5 - 32.5



**Modular Head**  
**L/D=2D**  
Φ13.5 - 32.5

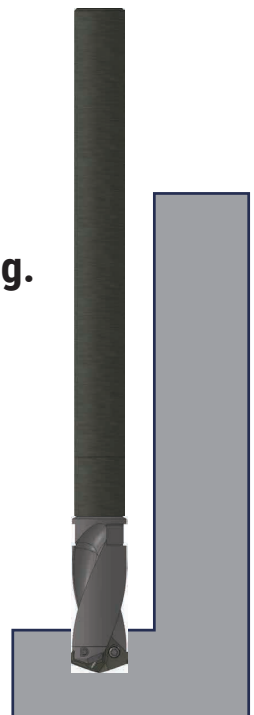


carbide modular head holder MSN type

**NEW**

### **TEZD-M** (Modular head) type

The combination of a modular head and a carbide shank holder enables stable drilling even with a long overhang.



**NEW**

### **TEZDF** type

A high-rigidity flanged shank body enables stable and accurate hole making.

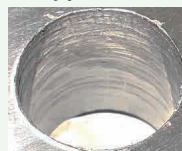


Conventional model



Hole Dia : Φ17.013

TEZDF-ML type



Hole Dia : Φ17.005

**P**

|          |                            |
|----------|----------------------------|
| dia      | : Φ17                      |
| tool     | : TEZD1700S20 <b>F</b> -ML |
| material | : SS400                    |
| Vc       | : 75 m/min                 |
| f        | : 0.15 mm/rev              |

**Improved chip formation and hole accuracy!**

## Feature 2 Available in three insert types

### TEZ type - General purpose

Φ13.5 - 32.5

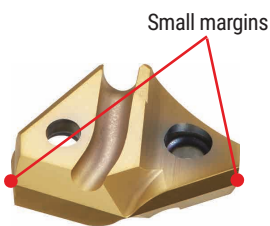


- PVD coating grade "JC8050"
- Suitable for **all types of materials**.

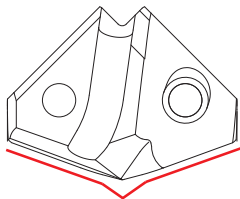


### TEZ-S type - For Stainless Steel, Titanium Alloy

Φ13.5 - 20.5



- PVD coating grade "JC7515" (for high thermal crack resistance & oxidation resistance)
- "Small margins" reduce cutting heat generated.
- "Improved Centripetal centering" geometry for Smooth drilling and Good chip evacuation.

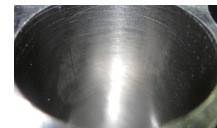


Centripetal centering geometry

**Competitor C**  
for heat-resistant alloy

**TEZ type**  
for heat-resistant alloy

**TEZ-S type**  
for heat-resistant alloy

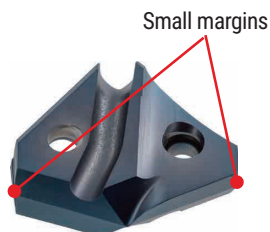


Rifle mark

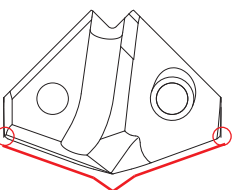
Good surface finish

### TEZ-H type - For Mold Steel, Hardened Steel (up to 52 HRC)

Φ13.5 - 20.5



- PVD coating grade "DH115" (for high hardness & heat resistance)
- "Small margins" reduce cutting heat generated.
- "Optimized Tip and Corner geometry" specially for hardened materials.
- "Strong Drill Corner Edge" prevents chipping.

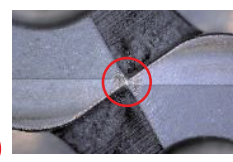


Optimized Tip and Corner geometry specially for hardened materials

**TEZ-H type**



**Competitor**



dia : Φ 16  
insert : TEZ-1600H  
grade : DH115  
material : NAK80(40HRC)  
Vc : 50 m/min  
f : 0.2 mm/rev

## PROCEDURE FOR MOUNTING INSERT

### 1. Removing used insert

Make sure to remove any chips or dust off the tip before removing the used insert. Remove used insert and clean pocket using a brush or air blowing before loading new insert.



### 2. Loading new insert

Place new insert in pocket, lightly tighten two screws while pressing the top of the insert(see photo). After confirming there is no gap between the drill and insert, tighten the insert screw, starting with the same screw you first lightly tightened, to the recommended torque while still pressing the top of the insert.



#### Note:

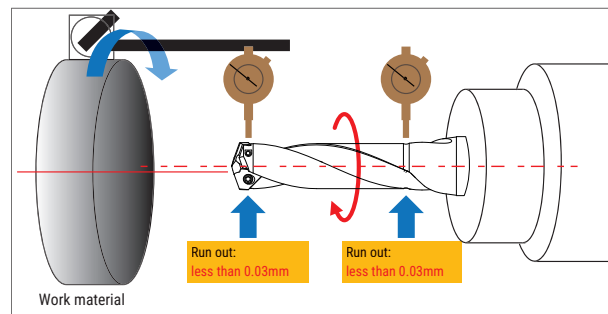
Clamp screw need to be changed out after replacing the insert approximately 10 times or if you see any issues with the screws.



Clamp screw

## IF USING LATHE MACHINE

1. Check run out of insert O.D. within 0.03mm (off set of center 0.015mm) and flute O.D. of shank side within approx. 0.03mm.
2. Due to large thrust of cutting forces, make sure drill is fully seated in holder.
3. Reduce the cutting speed and feed rate by 20% from standard cutting conditions.



NEW

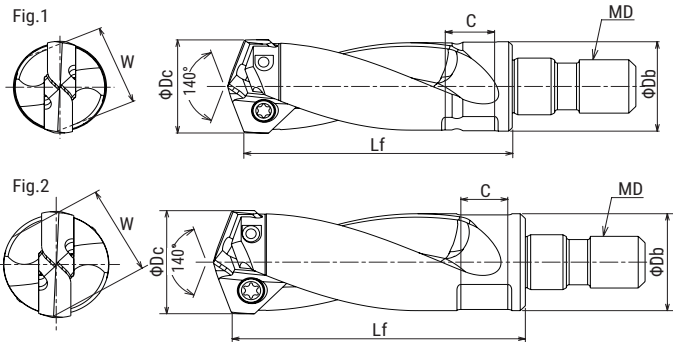
**TEZD-M**  
TYPE

**Modular Type**

Through  
coolant  
hole

2D  
L/D

Drilling



NEW

| Cat.No.      | Stock | Dc   |      | Dimensions (mm) |      |     |    |    | Fig. | Parts     |        |
|--------------|-------|------|------|-----------------|------|-----|----|----|------|-----------|--------|
|              |       | Min. | Max. | Lf              | Db   | MD  | C  | W  |      | Screw     | Wrench |
| TEZD1400-M8  | ●     | 13.5 | 14.5 | 38              | 13.4 | M8  | 8  | 12 | 1    | DSW-2045H | A-07   |
| TEZD1500-M8  | ●     | 14.6 | 15.5 | 40.5            | 14   | M8  | 8  | 12 | 2    |           |        |
| TEZD1600-M8  | ●     | 15.6 | 16.5 | 43              | 15   | M8  | 8  | 12 | 2    | TSW-2556H | A-08   |
| TEZD1700-M8  | ●     | 16.6 | 17.5 | 45.5            | 16   | M8  | 8  | 12 | 2    |           |        |
| TEZD1800-M8  | ●     | 17.6 | 18.5 | 48              | 17   | M8  | 8  | 12 | 2    | TSW-2567H | A-08   |
| TEZD1900-M10 | ●     | 18.6 | 19.5 | 50.5            | 18   | M10 | 9  | 14 | 2    |           |        |
| TEZD2000-M10 | ●     | 19.6 | 20.5 | 53              | 19   | M10 | 9  | 14 | 2    | DSW-307H  | A-10   |
| TEZD2100-M10 | ●     | 20.6 | 21.5 | 55.5            | 20   | M10 | 9  | 14 | 2    |           |        |
| TEZD2200-M10 | ●     | 21.6 | 22.5 | 58              | 21   | M10 | 9  | 14 | 2    | DSW-309H  | A-10   |
| TEZD2300-M10 | ●     | 22.6 | 23.5 | 60.5            | 22   | M10 | 9  | 14 | 2    |           |        |
| TEZD2400-M12 | ●     | 23.6 | 24.5 | 63              | 23   | M12 | 11 | 19 | 2    | TSW-3510H | A-15   |
| TEZD2500-M12 | ●     | 24.6 | 25.5 | 65.5            | 24   | M12 | 11 | 19 | 2    |           |        |
| TEZD2600-M12 | ●     | 25.6 | 26.5 | 68              | 25   | M12 | 11 | 19 | 2    | TSW-3512H | A-15   |
| TEZD2700-M12 | ●     | 26.6 | 27.5 | 70.5            | 26   | M12 | 11 | 19 | 2    |           |        |
| TEZD2800-M12 | ●     | 27.6 | 28.5 | 73              | 27   | M12 | 11 | 19 | 2    | TSW-3512H | A-15   |
| TEZD2900-M16 | ●     | 28.6 | 29.5 | 75.5            | 28   | M16 | 12 | 22 | 2    |           |        |
| TEZD3000-M16 | ●     | 29.6 | 30.5 | 78              | 29   | M16 | 12 | 22 | 2    | TSW-3512H | A-15   |
| TEZD3100-M16 | ●     | 30.6 | 31.5 | 80.5            | 30   | M16 | 12 | 22 | 2    |           |        |
| TEZD3200-M16 | ●     | 31.6 | 32.5 | 83              | 31   | M16 | 14 | 26 | 2    |           |        |

Note) All cutters are supplied without inserts or wrenches.

| Clamp screw | Torque(N·m) |
|-------------|-------------|
| DSW-2045H   | 0.9         |
| TSW-2556H   | 1.2         |
| TSW-2567H   | 1.2         |
| DSW-307H    | 2.1         |
| DSW-309H    | 2.1         |
| TSW-3510H   | 3.0         |
| TSW-3512H   | 3.0         |

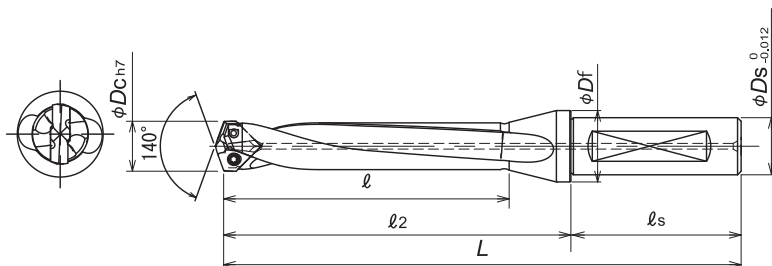
● : Standard stock items

○ : Stock in Japan

NEW

**TEZDF-MS**  
TYPE

Holder



NEW

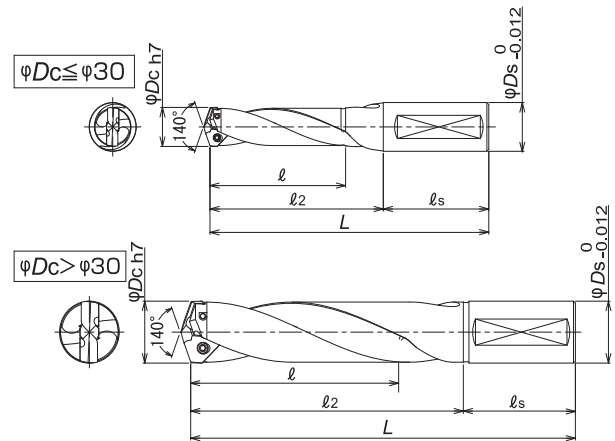
| Cat.No.         | Stock | Dc   |      | Dimensions (mm) |          |          |     |       |       | Parts     |        |
|-----------------|-------|------|------|-----------------|----------|----------|-----|-------|-------|-----------|--------|
|                 |       | Min. | Max. | $\ell$          | $\ell_2$ | $\ell_s$ | L   | $D_s$ | $D_f$ | Screw     | Wrench |
| TEZD1400S16F-MS | ●     | 13.5 | 14.5 | 51              | 65       | 48       | 113 | 16    | 20    | DSW-2045H | A-07   |
| TEZD1500S20F-MS | ●     | 14.6 | 15.5 | 54              | 69       | 50       | 119 | 20    | 24.9  |           |        |
| TEZD1600S20F-MS | ●     | 15.6 | 16.5 | 58              | 74       | 50       | 124 | 20    | 24.9  | TSW-2556H | A-08   |
| TEZD1700S20F-MS | ●     | 16.6 | 17.5 | 61              | 78       | 50       | 128 | 20    | 24.9  |           |        |
| TEZD1800S20F-MS | ●     | 17.6 | 18.5 | 65              | 83       | 50       | 133 | 20    | 24.9  | TSW-2567H | A-08   |
| TEZD1900S25F-MS | ●     | 18.6 | 19.5 | 68              | 87       | 56       | 143 | 25    | 32    |           |        |
| TEZD2000S25F-MS | ●     | 19.6 | 20.5 | 72              | 92       | 56       | 148 | 25    | 32    | DSW-307H  | A-10   |
| TEZD2100S25F-MS | ●     | 20.6 | 21.5 | 75              | 96       | 56       | 152 | 25    | 32    |           |        |
| TEZD2200S25F-MS | ●     | 21.6 | 22.5 | 79              | 101      | 56       | 157 | 25    | 32    | DSW-309H  | A-10   |
| TEZD2300S25F-MS | ●     | 22.6 | 23.5 | 82              | 105      | 56       | 161 | 25    | 32    |           |        |
| TEZD2400S32F-MS | ●     | 23.6 | 24.5 | 86              | 110      | 60       | 170 | 32    | 41.9  | TSW-3510H | A-15   |
| TEZD2500S32F-MS | ●     | 24.6 | 25.5 | 89              | 114      | 60       | 174 | 32    | 41.9  |           |        |
| TEZD2600S32F-MS | ●     | 25.6 | 26.5 | 93              | 119      | 60       | 179 | 32    | 41.9  | TSW-3512H | A-15   |
| TEZD2700S32F-MS | ●     | 26.6 | 27.5 | 96              | 123      | 60       | 183 | 32    | 41.9  |           |        |
| TEZD2800S32F-MS | ●     | 27.6 | 28.5 | 100             | 128      | 60       | 188 | 32    | 41.9  | TSW-3512H | A-15   |
| TEZD2900S32F-MS | ●     | 28.6 | 29.5 | 103             | 132      | 60       | 192 | 32    | 41.9  |           |        |
| TEZD3000S32F-MS | ●     | 29.6 | 30.5 | 107             | 137      | 60       | 197 | 32    | 41.9  | TSW-3512H | A-15   |
| TEZD3100S32F-MS | ●     | 30.6 | 31.5 | 110             | 141      | 60       | 201 | 32    | 41.9  |           |        |
| TEZD3200S32F-MS | ●     | 31.6 | 32.5 | 114             | 146      | 60       | 206 | 32    | 41.9  |           |        |

Note) All cutters are supplied without inserts or wrenches.

| Clamp screw | Torque(N·m) |
|-------------|-------------|
| DSW-2045H   | 0.9         |
| TSW-2556H   | 1.2         |
| TSW-2567H   | 1.2         |
| DSW-307H    | 2.1         |
| DSW-309H    | 2.1         |
| TSW-3510H   | 3.0         |
| TSW-3512H   | 3.0         |

**TEZD-MS**  
TYPE

## Holder



| Cat.No.        | Stock | Dc   |      | Dimensions (mm) |          |          |     |    | Parts     |        |
|----------------|-------|------|------|-----------------|----------|----------|-----|----|-----------|--------|
|                |       | Min. | Max. | $\ell$          | $\ell_2$ | $\ell_s$ | L   | Ds | Screw     | Wrench |
| TEZD1400S16-MS | ※     | 13.5 | 14.5 | 51              | 65       | 48       | 113 | 16 | DSW-2045H | A-07   |
| TEZD1500S20-MS | ※     | 14.6 | 15.5 | 54              | 69       | 50       | 119 | 20 |           |        |
| TEZD1600S20-MS | ※     | 15.6 | 16.5 | 58              | 74       | 50       | 124 | 20 | TSW-2556H | A-08   |
| TEZD1700S20-MS | ※     | 16.6 | 17.5 | 61              | 78       | 50       | 128 | 20 |           |        |
| TEZD1800S20-MS | ※     | 17.6 | 18.5 | 65              | 83       | 50       | 133 | 20 | TSW-2567H | A-08   |
| TEZD1900S25-MS | ※     | 18.6 | 19.5 | 68              | 87       | 56       | 143 | 25 |           |        |
| TEZD2000S25-MS | ※     | 19.6 | 20.5 | 72              | 92       | 56       | 148 | 25 | DSW-307H  | A-10   |
| TEZD2100S25-MS | ※     | 20.6 | 21.5 | 75              | 96       | 56       | 152 | 25 |           |        |
| TEZD2200S25-MS | ※     | 21.6 | 22.5 | 79              | 101      | 56       | 157 | 25 | DSW-309H  | A-10   |
| TEZD2300S25-MS | ※     | 22.6 | 23.5 | 82              | 105      | 56       | 161 | 25 |           |        |
| TEZD2400S32-MS | ※     | 23.6 | 24.5 | 86              | 110      | 60       | 170 | 32 | TSW-3510H | A-15   |
| TEZD2500S32-MS | ※     | 24.6 | 25.5 | 89              | 114      | 60       | 174 | 32 |           |        |
| TEZD2600S32-MS | ※     | 25.6 | 26.5 | 93              | 119      | 60       | 179 | 32 | TSW-3512H | A-15   |
| TEZD2700S32-MS | ※     | 26.6 | 27.5 | 96              | 123      | 60       | 183 | 32 |           |        |
| TEZD2800S32-MS | ※     | 27.6 | 28.5 | 100             | 128      | 60       | 188 | 32 | TSW-3512H | A-15   |
| TEZD2900S32-MS | ※     | 28.6 | 29.5 | 103             | 132      | 60       | 192 | 32 |           |        |
| TEZD3000S32-MS | ※     | 29.6 | 30.5 | 107             | 137      | 60       | 197 | 32 | TSW-3512H | A-15   |
| TEZD3100S32-MS | ※     | 30.6 | 31.5 | 110             | 141      | 60       | 201 | 32 |           |        |
| TEZD3200S32-MS | ※     | 31.6 | 32.5 | 114             | 146      | 60       | 206 | 32 |           |        |

Note) All cutters are supplied without inserts or wrenches.

| Clamp screw | Torque(N·m) |
|-------------|-------------|
| DSW-2045H   | 0.9         |
| TSW-2556H   | 1.2         |
| TSW-2567H   | 1.2         |
| DSW-307H    | 2.1         |
| DSW-309H    | 2.1         |
| TSW-3510H   | 3.0         |
| TSW-3512H   | 3.0         |

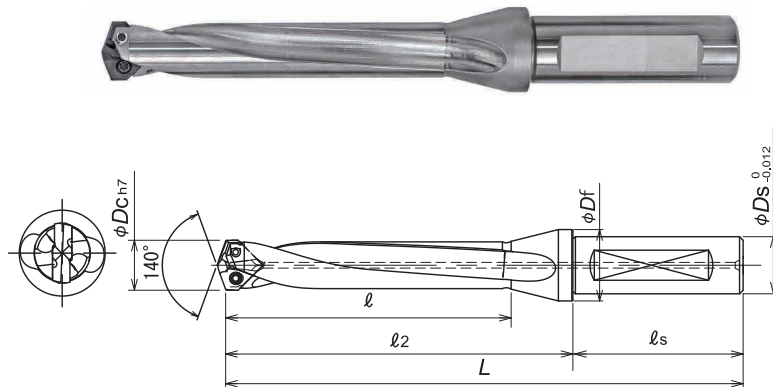
NEW

**TEZDF-ML**  
TYPE

Holder

Through  
coolant  
hole

**5D**  
L/D



NEW

| Cat.No.         | Stock | Dc   |      | Dimensions (mm) |          |          |     |       |       | Parts     |        |
|-----------------|-------|------|------|-----------------|----------|----------|-----|-------|-------|-----------|--------|
|                 |       | Min. | Max. | $\ell$          | $\ell_2$ | $\ell_s$ | L   | $D_s$ | $D_f$ | Screw     | Wrench |
| TEZD1400S16F-ML | ●     | 13.5 | 14.5 | 80              | 97       | 48       | 145 | 16    | 20    | DSW-2045H | A-07   |
| TEZD1500S20F-ML | ●     | 14.6 | 15.5 | 85              | 103      | 50       | 153 | 20    | 24.9  |           |        |
| TEZD1600S20F-ML | ●     | 15.6 | 16.5 | 91              | 110      | 50       | 160 | 20    | 24.9  | TSW-2556H | A-08   |
| TEZD1700S20F-ML | ●     | 16.6 | 17.5 | 96              | 117      | 50       | 167 | 20    | 24.9  |           |        |
| TEZD1800S20F-ML | ●     | 17.6 | 18.5 | 102             | 123      | 50       | 173 | 20    | 24.9  | TSW-2567H | A-08   |
| TEZD1900S25F-ML | ●     | 18.6 | 19.5 | 107             | 130      | 56       | 186 | 25    | 32    |           |        |
| TEZD2000S25F-ML | ●     | 19.6 | 20.5 | 113             | 137      | 56       | 193 | 25    | 32    | DSW-307H  | A-10   |
| TEZD2100S25F-ML | ●     | 20.6 | 21.5 | 118             | 143      | 56       | 199 | 25    | 32    |           |        |
| TEZD2200S25F-ML | ●     | 21.6 | 22.5 | 124             | 150      | 56       | 206 | 25    | 32    | DSW-309H  | A-10   |
| TEZD2300S25F-ML | ●     | 22.6 | 23.5 | 129             | 157      | 56       | 213 | 25    | 32    |           |        |
| TEZD2400S32F-ML | ●     | 23.6 | 24.5 | 135             | 164      | 60       | 224 | 32    | 41.9  | TSW-3510H | A-15   |
| TEZD2500S32F-ML | ●     | 24.6 | 25.5 | 140             | 170      | 60       | 230 | 32    | 41.9  |           |        |
| TEZD2600S32F-ML | ●     | 25.6 | 26.5 | 146             | 177      | 60       | 237 | 32    | 41.9  | TSW-3512H | A-15   |
| TEZD2700S32F-ML | ●     | 26.6 | 27.5 | 151             | 184      | 60       | 244 | 32    | 41.9  |           |        |
| TEZD2800S32F-ML | ●     | 27.6 | 28.5 | 157             | 190      | 60       | 250 | 32    | 41.9  | TSW-3512H | A-15   |
| TEZD2900S32F-ML | ●     | 28.6 | 29.5 | 162             | 197      | 60       | 257 | 32    | 41.9  |           |        |
| TEZD3000S32F-ML | ●     | 29.6 | 30.5 | 168             | 204      | 60       | 264 | 32    | 41.9  | TSW-3512H | A-15   |
| TEZD3100S32F-ML | ●     | 30.6 | 31.5 | 173             | 210      | 60       | 270 | 32    | 41.9  |           |        |
| TEZD3200S32F-ML | ●     | 31.6 | 32.5 | 179             | 217      | 60       | 277 | 32    | 41.9  |           |        |

Note) All cutters are supplied without inserts or wrenches.

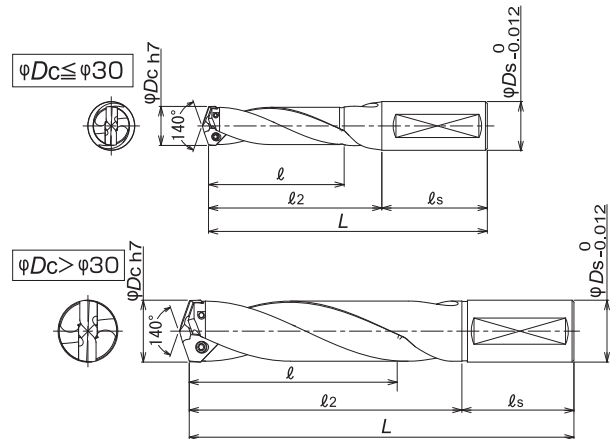
| Clamp screw | Torque(N·m) |
|-------------|-------------|
| DSW-2045H   | 0.9         |
| TSW-2556H   | 1.2         |
| TSW-2567H   | 1.2         |
| DSW-307H    | 2.1         |
| DSW-309H    | 2.1         |
| TSW-3510H   | 3.0         |
| TSW-3512H   | 3.0         |

**TEZD-ML**  
TYPE

Holder

Through  
coolant  
hole

**5D**  
L/D



| Cat.No.        | Stock | Dc   |      | Dimensions (mm) |          |          |     |       | Parts     |        |
|----------------|-------|------|------|-----------------|----------|----------|-----|-------|-----------|--------|
|                |       | Min. | Max. | $\ell$          | $\ell_2$ | $\ell_s$ | L   | $D_s$ | Screw     | Wrench |
| TEZD1400S16-ML | ※     | 13.5 | 14.5 | 80              | 97       | 48       | 145 | 16    | DSW-2045H | A-07   |
| TEZD1500S20-ML | ※     | 14.6 | 15.5 | 85              | 103      | 50       | 153 | 20    |           |        |
| TEZD1600S20-ML | ※     | 15.6 | 16.5 | 91              | 110      | 50       | 160 | 20    | TSW-2556H | A-08   |
| TEZD1700S20-ML | ※     | 16.6 | 17.5 | 96              | 117      | 50       | 167 | 20    |           |        |
| TEZD1800S20-ML | ※     | 17.6 | 18.5 | 102             | 123      | 50       | 173 | 20    | TSW-2567H | A-08   |
| TEZD1900S25-ML | ※     | 18.6 | 19.5 | 107             | 130      | 56       | 186 | 25    |           |        |
| TEZD2000S25-ML | ※     | 19.6 | 20.5 | 113             | 137      | 56       | 193 | 25    | DSW-307H  | A-10   |
| TEZD2100S25-ML | ※     | 20.6 | 21.5 | 118             | 143      | 56       | 199 | 25    |           |        |
| TEZD2200S25-ML | ※     | 21.6 | 22.5 | 124             | 150      | 56       | 206 | 25    | DSW-309H  | A-10   |
| TEZD2300S25-ML | ※     | 22.6 | 23.5 | 129             | 157      | 56       | 213 | 25    |           |        |
| TEZD2400S32-ML | ※     | 23.6 | 24.5 | 135             | 164      | 60       | 224 | 32    | TSW-3510H | A-15   |
| TEZD2500S32-ML | ※     | 24.6 | 25.5 | 140             | 170      | 60       | 230 | 32    |           |        |
| TEZD2600S32-ML | ※     | 25.6 | 26.5 | 146             | 177      | 60       | 237 | 32    | TSW-3512H | A-15   |
| TEZD2700S32-ML | ※     | 26.6 | 27.5 | 151             | 184      | 60       | 244 | 32    |           |        |
| TEZD2800S32-ML | ※     | 27.6 | 28.5 | 157             | 190      | 60       | 250 | 32    | TSW-3512H | A-15   |
| TEZD2900S32-ML | ※     | 28.6 | 29.5 | 162             | 197      | 60       | 257 | 32    |           |        |
| TEZD3000S32-ML | ※     | 29.6 | 30.5 | 168             | 204      | 60       | 264 | 32    | TSW-3512H | A-15   |
| TEZD3100S32-ML | ※     | 30.6 | 31.5 | 173             | 210      | 60       | 270 | 32    |           |        |
| TEZD3200S32-ML | ※     | 31.6 | 32.5 | 179             | 217      | 60       | 277 | 32    |           |        |

Note) All cutters are supplied without inserts or wrenches.

| Clamp screw | Torque(N·m) |
|-------------|-------------|
| DSW-2045H   | 0.9         |
| TSW-2556H   | 1.2         |
| TSW-2567H   | 1.2         |
| DSW-307H    | 2.1         |
| DSW-309H    | 2.1         |
| TSW-3510H   | 3.0         |
| TSW-3512H   | 3.0         |

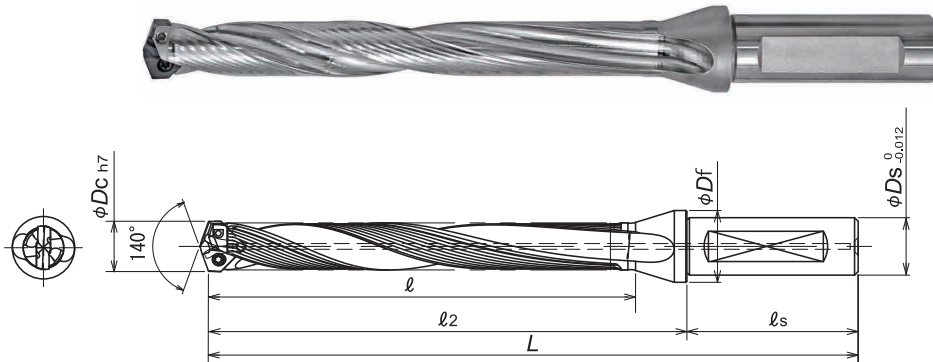
NEW

**TEZDF-XL**  
TYPE

Holder

Through  
coolant  
hole

**8D**  
L/D



NEW

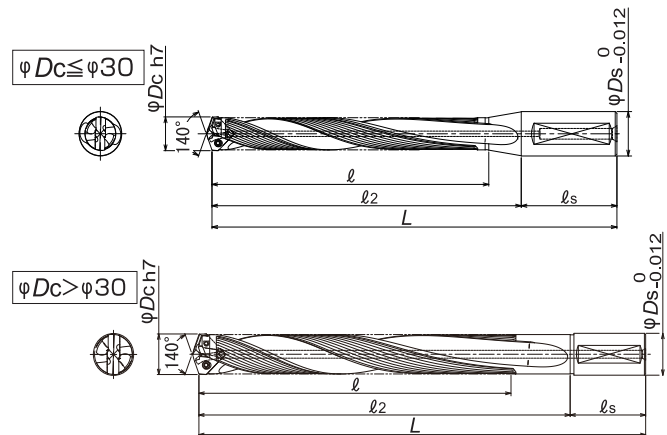
| Cat.No.         | Stock | Dc   |      | Dimensions (mm) |     |    |     |    |      | Parts     |        |
|-----------------|-------|------|------|-----------------|-----|----|-----|----|------|-----------|--------|
|                 |       | Min. | Max. | ℓ               | ℓ2  | ℓs | L   | Ds | Df   | Screw     | Wrench |
| TEZD1400S16F-XL | ●     | 13.5 | 14.5 | 119             | 133 | 48 | 181 | 16 | 20   | DSW-2045H | A-07   |
| TEZD1500S20F-XL | ●     | 14.6 | 15.5 | 128             | 143 | 50 | 193 | 20 | 24.9 |           |        |
| TEZD1600S20F-XL | ●     | 15.6 | 16.5 | 136             | 152 | 50 | 202 | 20 | 24.9 | TSW-2556H | A-08   |
| TEZD1700S20F-XL | ●     | 16.6 | 17.5 | 145             | 162 | 50 | 212 | 20 | 24.9 |           |        |
| TEZD1800S20F-XL | ●     | 17.6 | 18.5 | 153             | 171 | 50 | 221 | 20 | 24.9 | TSW-2567H | A-08   |
| TEZD1900S25F-XL | ●     | 18.6 | 19.5 | 162             | 181 | 56 | 237 | 25 | 32   |           |        |
| TEZD2000S25F-XL | ●     | 19.6 | 20.5 | 170             | 190 | 56 | 246 | 25 | 32   | DSW-307H  | A-10   |
| TEZD2100S25F-XL | ●     | 20.6 | 21.5 | 179             | 200 | 56 | 256 | 25 | 32   |           |        |
| TEZD2200S25F-XL | ●     | 21.6 | 22.5 | 187             | 209 | 56 | 265 | 25 | 32   | DSW-309H  | A-10   |
| TEZD2300S25F-XL | ●     | 22.6 | 23.5 | 196             | 219 | 56 | 275 | 25 | 32   |           |        |
| TEZD2400S32F-XL | ●     | 23.6 | 24.5 | 204             | 228 | 60 | 288 | 32 | 41.9 | TSW-3510H | A-15   |
| TEZD2500S32F-XL | ●     | 24.6 | 25.5 | 213             | 238 | 60 | 298 | 32 | 41.9 |           |        |
| TEZD2600S32F-XL | ●     | 25.6 | 26.5 | 221             | 247 | 60 | 307 | 32 | 41.9 | TSW-3512H | A-15   |
| TEZD2700S32F-XL | ●     | 26.6 | 27.5 | 230             | 257 | 60 | 317 | 32 | 41.9 |           |        |
| TEZD2800S32F-XL | ●     | 27.6 | 28.5 | 238             | 266 | 60 | 326 | 32 | 41.9 | TSW-3512H | A-15   |
| TEZD2900S32F-XL | ●     | 28.6 | 29.5 | 247             | 276 | 60 | 336 | 32 | 41.9 |           |        |
| TEZD3000S32F-XL | ●     | 29.6 | 30.5 | 255             | 285 | 60 | 345 | 32 | 41.9 | TSW-3512H | A-15   |
| TEZD3100S32F-XL | ●     | 30.6 | 31.5 | 248             | 295 | 60 | 355 | 32 | 41.9 |           |        |
| TEZD3200S32F-XL | ●     | 31.6 | 32.5 | 256             | 304 | 60 | 364 | 32 | 41.9 |           |        |

Note) All cutters are supplied without inserts or wrenches.

| Clamp screw | Torque(N·m) |
|-------------|-------------|
| DSW-2045H   | 0.9         |
| TSW-2556H   | 1.2         |
| TSW-2567H   | 1.2         |
| DSW-307H    | 2.1         |
| DSW-309H    | 2.1         |
| TSW-3510H   | 3.0         |
| TSW-3512H   | 3.0         |

**TEZD-XL**  
TYPE

## Holder



| Cat.No.        | Stock | Dc   |      | Dimensions (mm) |                |                |     |    | Parts     |        |
|----------------|-------|------|------|-----------------|----------------|----------------|-----|----|-----------|--------|
|                |       | Min. | Max. | ℓ               | ℓ <sub>2</sub> | ℓ <sub>s</sub> | L   | Ds | Screw     | Wrench |
| TEZD1400S16-XL | ※     | 13.5 | 14.5 | 119             | 133            | 48             | 181 | 16 | DSW-2045H | A-07   |
| TEZD1500S20-XL | ※     | 14.6 | 15.5 | 128             | 143            | 50             | 193 | 20 |           |        |
| TEZD1600S20-XL | ※     | 15.6 | 16.5 | 136             | 152            | 50             | 202 | 20 | TSW-2556H | A-08   |
| TEZD1700S20-XL | ※     | 16.6 | 17.5 | 145             | 162            | 50             | 212 | 20 |           |        |
| TEZD1800S20-XL | ※     | 17.6 | 18.5 | 153             | 171            | 50             | 221 | 20 | TSW-2567H | A-08   |
| TEZD1900S25-XL | ※     | 18.6 | 19.5 | 162             | 181            | 56             | 237 | 25 |           |        |
| TEZD2000S25-XL | ※     | 19.6 | 20.5 | 170             | 190            | 56             | 246 | 25 | DSW-307H  | A-10   |
| TEZD2100S25-XL | ※     | 20.6 | 21.5 | 179             | 200            | 56             | 256 | 25 |           |        |
| TEZD2200S25-XL | ※     | 21.6 | 22.5 | 187             | 209            | 56             | 265 | 25 | DSW-309H  | A-10   |
| TEZD2300S25-XL | ※     | 22.6 | 23.5 | 196             | 219            | 56             | 275 | 25 |           |        |
| TEZD2400S32-XL | ※     | 23.6 | 24.5 | 204             | 228            | 60             | 288 | 32 | TSW-3510H | A-15   |
| TEZD2500S32-XL | ※     | 24.6 | 25.5 | 213             | 238            | 60             | 298 | 32 |           |        |
| TEZD2600S32-XL | ※     | 25.6 | 26.5 | 221             | 247            | 60             | 307 | 32 | TSW-3512H | A-15   |
| TEZD2700S32-XL | ※     | 26.6 | 27.5 | 230             | 257            | 60             | 317 | 32 |           |        |
| TEZD2800S32-XL | ※     | 27.6 | 28.5 | 238             | 266            | 60             | 326 | 32 | TSW-3512H | A-15   |
| TEZD2900S32-XL | ※     | 28.6 | 29.5 | 247             | 276            | 60             | 336 | 32 |           |        |
| TEZD3000S32-XL | ※     | 29.6 | 30.5 | 255             | 285            | 60             | 345 | 32 | TSW-3512H | A-15   |
| TEZD3100S32-XL | ※     | 30.6 | 31.5 | 248             | 295            | 60             | 355 | 32 |           |        |
| TEZD3200S32-XL | ※     | 31.6 | 32.5 | 256             | 304            | 60             | 364 | 32 |           |        |

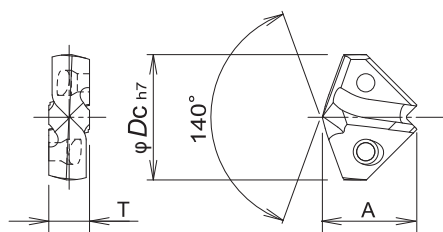
Note) All cutters are supplied without inserts or wrenches.

| Clamp screw | Torque(N·m) |
|-------------|-------------|
| DSW-2045H   | 0.9         |
| TSW-2556H   | 1.2         |
| TSW-2567H   | 1.2         |
| DSW-307H    | 2.1         |
| DSW-309H    | 2.1         |
| TSW-3510H   | 3.0         |
| TSW-3512H   | 3.0         |

**TEZ**  
TYPE

**Insert - Grade JC8050**

● Suitable for General Steel



| Dc   | Cat.No. | Stk | A    | T   | Holder  |
|------|---------|-----|------|-----|---------|
| 13.5 | TEZ1350 | ●   | 11.4 | 4.5 | TEZD14* |
| 13.6 | TEZ1360 | ●   |      |     |         |
| 13.7 | TEZ1370 | ●   |      |     |         |
| 13.8 | TEZ1380 | ●   |      |     |         |
| 13.9 | TEZ1390 | ●   |      |     |         |
| 14.0 | TEZ1400 | ●   |      |     |         |
| 14.1 | TEZ1410 | ●   |      |     |         |
| 14.2 | TEZ1420 | ●   |      |     |         |
| 14.3 | TEZ1430 | ●   | 11.5 | 4.8 | TEZD15* |
| 14.4 | TEZ1440 | ●   |      |     |         |
| 14.5 | TEZ1450 | ●   |      |     |         |
| 14.6 | TEZ1460 | ●   |      |     |         |
| 14.7 | TEZ1470 | ●   |      |     |         |
| 14.8 | TEZ1480 | ●   |      |     |         |
| 14.9 | TEZ1490 | ●   |      |     |         |
| 15.0 | TEZ1500 | ●   |      |     |         |
| 15.1 | TEZ1510 | ●   | 12.4 | 5.0 | TEZD16* |
| 15.2 | TEZ1520 | ●   |      |     |         |
| 15.3 | TEZ1530 | ●   |      |     |         |
| 15.4 | TEZ1540 | ●   |      |     |         |
| 15.5 | TEZ1550 | ●   |      |     |         |
| 15.6 | TEZ1560 | ●   |      |     |         |
| 15.7 | TEZ1570 | ●   |      |     |         |
| 15.8 | TEZ1580 | ●   |      |     |         |
| 15.9 | TEZ1590 | ●   | 13.2 | 5.5 | TEZD17* |
| 16.0 | TEZ1600 | ●   |      |     |         |
| 16.1 | TEZ1610 | ●   |      |     |         |
| 16.2 | TEZ1620 | ●   |      |     |         |
| 16.3 | TEZ1630 | ●   |      |     |         |
| 16.4 | TEZ1640 | ●   |      |     |         |
| 16.5 | TEZ1650 | ●   |      |     |         |
| 16.6 | TEZ1660 | ●   |      |     |         |
| 16.7 | TEZ1670 | ●   | 13.5 | 5.8 | TEZD18* |
| 16.8 | TEZ1680 | ●   |      |     |         |
| 16.9 | TEZ1690 | ●   |      |     |         |
| 17.0 | TEZ1700 | ●   |      |     |         |
| 17.1 | TEZ1710 | ●   |      |     |         |
| 17.2 | TEZ1720 | ●   |      |     |         |
| 17.3 | TEZ1730 | ●   |      |     |         |
| 17.4 | TEZ1740 | ●   |      |     |         |
| 17.5 | TEZ1750 | ●   | 18.3 | 5.8 | TEZD18* |
| 17.6 | TEZ1760 | ●   |      |     |         |
| 17.7 | TEZ1770 | ●   |      |     |         |
| 17.8 | TEZ1780 | ●   |      |     |         |
| 17.9 | TEZ1790 | ●   |      |     |         |
| 18.0 | TEZ1800 | ●   |      |     |         |
| 18.1 | TEZ1810 | ●   |      |     |         |
| 18.2 | TEZ1820 | ●   |      |     |         |

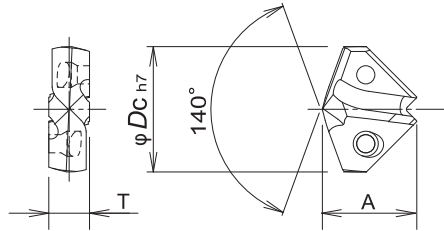
| Dc   | Cat.No. | Stk | A    | T   | Holder  |
|------|---------|-----|------|-----|---------|
| 18.3 | TEZ1830 | ●   | 13.5 | 5.8 | TEZD18* |
| 18.4 | TEZ1840 | ●   |      |     |         |
| 18.5 | TEZ1850 | ●   |      |     |         |
| 18.6 | TEZ1860 | ●   | 14.2 | 6.0 | TEZD19* |
| 18.7 | TEZ1870 | ●   |      |     |         |
| 18.8 | TEZ1880 | ●   |      |     |         |
| 18.9 | TEZ1890 | ●   |      |     |         |
| 19.0 | TEZ1900 | ●   |      |     |         |
| 19.1 | TEZ1910 | ●   |      |     |         |
| 19.2 | TEZ1920 | ●   |      |     |         |
| 19.3 | TEZ1930 | ●   |      |     |         |
| 19.4 | TEZ1940 | ●   | 15.1 | 6.5 | TEZD20* |
| 19.5 | TEZ1950 | ●   |      |     |         |
| 19.6 | TEZ1960 | ●   |      |     |         |
| 19.7 | TEZ1970 | ●   |      |     |         |
| 19.8 | TEZ1980 | ●   |      |     |         |
| 19.9 | TEZ1990 | ●   |      |     |         |
| 20.0 | TEZ2000 | ●   |      |     |         |
| 20.1 | TEZ2010 | ●   |      |     |         |
| 20.2 | TEZ2020 | ●   | 15.7 | 6.7 | TEZD21* |
| 20.3 | TEZ2030 | ●   |      |     |         |
| 20.4 | TEZ2040 | ●   |      |     |         |
| 20.5 | TEZ2050 | ●   |      |     |         |
| 20.6 | TEZ2060 | ●   |      |     |         |
| 20.7 | TEZ2070 | ●   |      |     |         |
| 20.8 | TEZ2080 | ●   |      |     |         |
| 20.9 | TEZ2090 | ●   |      |     |         |
| 21.0 | TEZ2100 | ●   | 16.6 | 7.5 | TEZD22* |
| 21.1 | TEZ2110 | ●   |      |     |         |
| 21.2 | TEZ2120 | ●   |      |     |         |
| 21.3 | TEZ2130 | ●   |      |     |         |
| 21.4 | TEZ2140 | ●   |      |     |         |
| 21.5 | TEZ2150 | ●   |      |     |         |
| 21.6 | TEZ2160 | ●   |      |     |         |
| 21.7 | TEZ2170 | ●   |      |     |         |
| 21.8 | TEZ2180 | ●   | 17.4 | 7.5 | TEZD23* |
| 21.9 | TEZ2190 | ●   |      |     |         |
| 22.0 | TEZ2200 | ●   |      |     |         |
| 22.1 | TEZ2210 | ●   |      |     |         |
| 22.2 | TEZ2220 | ●   |      |     |         |
| 22.3 | TEZ2230 | ●   |      |     |         |
| 22.4 | TEZ2240 | ●   |      |     |         |
| 22.5 | TEZ2250 | ●   |      |     |         |
| 22.6 | TEZ2260 | ●   | 18.3 | 5.8 | TEZD18* |
| 22.7 | TEZ2270 | ●   |      |     |         |
| 22.8 | TEZ2280 | ●   |      |     |         |
| 22.9 | TEZ2290 | ●   |      |     |         |
| 23.0 | TEZ2300 | ●   |      |     |         |



**TEZ**  
TYPE

**Insert - Grade JC8050**

● Suitable for General Steel



| Dc   | Cat.No. | Stk | A    | T   | Holder  |
|------|---------|-----|------|-----|---------|
| 23.1 | TEZ2310 | ●   | 17.4 | 7.5 | TEZD23* |
| 23.2 | TEZ2320 | ●   |      |     |         |
| 23.3 | TEZ2330 | ●   |      |     |         |
| 23.4 | TEZ2340 | ●   |      |     |         |
| 23.5 | TEZ2350 | ●   |      |     |         |
| 23.6 | TEZ2360 | ●   | 18.2 | 8.0 | TEZD24* |
| 23.7 | TEZ2370 | ●   |      |     |         |
| 23.8 | TEZ2380 | ●   |      |     |         |
| 23.9 | TEZ2390 | ●   |      |     |         |
| 24.0 | TEZ2400 | ●   |      |     |         |
| 24.1 | TEZ2410 | ●   |      |     |         |
| 24.2 | TEZ2420 | ●   |      |     |         |
| 24.3 | TEZ2430 | ●   |      |     |         |
| 24.4 | TEZ2440 | ●   | 19.1 | 8.0 | TEZD25* |
| 24.5 | TEZ2450 | ●   |      |     |         |
| 24.6 | TEZ2460 | ●   |      |     |         |
| 24.7 | TEZ2470 | ●   |      |     |         |
| 24.8 | TEZ2480 | ●   |      |     |         |
| 24.9 | TEZ2490 | ●   |      |     |         |
| 25.0 | TEZ2500 | ●   |      |     |         |
| 25.1 | TEZ2510 | ●   |      |     |         |
| 25.2 | TEZ2520 | ●   | 19.7 | 8.5 | TEZD26* |
| 25.3 | TEZ2530 | ●   |      |     |         |
| 25.4 | TEZ2540 | ●   |      |     |         |
| 25.5 | TEZ2550 | ●   |      |     |         |
| 25.6 | TEZ2560 | ●   |      |     |         |
| 25.7 | TEZ2570 | ●   |      |     |         |
| 25.8 | TEZ2580 | ●   |      |     |         |
| 25.9 | TEZ2590 | ●   |      |     |         |
| 26.0 | TEZ2600 | ●   | 20.4 | 8.5 | TEZD27* |
| 26.1 | TEZ2610 | ●   |      |     |         |
| 26.2 | TEZ2620 | ●   |      |     |         |
| 26.3 | TEZ2630 | ●   |      |     |         |
| 26.4 | TEZ2640 | ●   |      |     |         |
| 26.5 | TEZ2650 | ●   |      |     |         |
| 26.6 | TEZ2660 | ●   |      |     |         |
| 26.7 | TEZ2670 | ●   |      |     |         |
| 26.8 | TEZ2680 | ●   | 21.2 | 9.0 | TEZD28* |
| 26.9 | TEZ2690 | ●   |      |     |         |
| 27.0 | TEZ2700 | ●   |      |     |         |
| 27.1 | TEZ2710 | ●   |      |     |         |
| 27.2 | TEZ2720 | ●   |      |     |         |
| 27.3 | TEZ2730 | ●   |      |     |         |
| 27.4 | TEZ2740 | ●   |      |     |         |
| 27.5 | TEZ2750 | ●   |      |     |         |
| 27.6 | TEZ2760 | ●   | 21.2 | 9.0 | TEZD28* |
| 27.7 | TEZ2770 | ●   |      |     |         |
| 27.8 | TEZ2780 | ●   |      |     |         |

| Dc   | Cat.No. | Stk | A    | T   | Holder  |
|------|---------|-----|------|-----|---------|
| 27.9 | TEZ2790 | ●   | 21.2 | 9.0 | TEZD28* |
| 28.0 | TEZ2800 | ●   |      |     |         |
| 28.1 | TEZ2810 | ●   |      |     |         |
| 28.2 | TEZ2820 | ●   |      |     |         |
| 28.3 | TEZ2830 | ●   |      |     |         |
| 28.4 | TEZ2840 | ●   | 22.1 | 9.0 | TEZD29* |
| 28.5 | TEZ2850 | ●   |      |     |         |
| 28.6 | TEZ2860 | ●   |      |     |         |
| 28.7 | TEZ2870 | ●   |      |     |         |
| 28.8 | TEZ2880 | ●   |      |     |         |
| 28.9 | TEZ2890 | ●   |      |     |         |
| 29.0 | TEZ2900 | ●   |      |     |         |
| 29.1 | TEZ2910 | ●   | 22.5 | 9.5 | TEZD30* |
| 29.2 | TEZ2920 | ●   |      |     |         |
| 29.3 | TEZ2930 | ●   |      |     |         |
| 29.4 | TEZ2940 | ●   |      |     |         |
| 29.5 | TEZ2950 | ●   |      |     |         |
| 29.6 | TEZ2960 | ●   |      |     |         |
| 29.7 | TEZ2970 | ●   |      |     |         |
| 29.8 | TEZ2980 | ●   | 23.4 | 10  | TEZD31* |
| 29.9 | TEZ2990 | ●   |      |     |         |
| 30.0 | TEZ3000 | ●   |      |     |         |
| 30.1 | TEZ3010 | ●   |      |     |         |
| 30.2 | TEZ3020 | ●   |      |     |         |
| 30.3 | TEZ3030 | ●   |      |     |         |
| 30.4 | TEZ3040 | ●   |      |     |         |
| 30.5 | TEZ3050 | ●   | 24.3 | 10  | TEZD32* |
| 30.6 | TEZ3060 | ●   |      |     |         |
| 30.7 | TEZ3070 | ●   |      |     |         |
| 30.8 | TEZ3080 | ●   |      |     |         |
| 30.9 | TEZ3090 | ●   |      |     |         |
| 31.0 | TEZ3100 | ●   |      |     |         |
| 31.1 | TEZ3110 | ●   |      |     |         |
| 31.2 | TEZ3120 | ●   | 24.3 | 10  | TEZD32* |
| 31.3 | TEZ3130 | ●   |      |     |         |
| 31.4 | TEZ3140 | ●   |      |     |         |
| 31.5 | TEZ3150 | ●   |      |     |         |
| 31.6 | TEZ3160 | ●   |      |     |         |
| 31.7 | TEZ3170 | ●   |      |     |         |
| 31.8 | TEZ3180 | ●   |      |     |         |
| 31.9 | TEZ3190 | ●   |      |     |         |
| 32.0 | TEZ3200 | ●   | 24.3 | 10  | TEZD32* |
| 32.1 | TEZ3210 | ●   |      |     |         |
| 32.2 | TEZ3220 | ●   |      |     |         |
| 32.3 | TEZ3230 | ●   |      |     |         |
| 32.4 | TEZ3240 | ●   |      |     |         |
| 32.5 | TEZ3250 | ●   |      |     |         |

Note) 1 insert per case

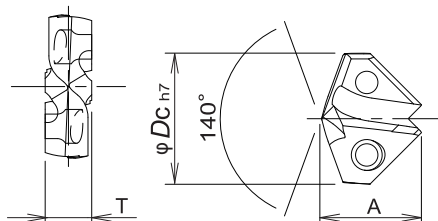
● : Standard stock items

○ : Stock in Japan

**TEZ-S**  
TYPE

**Insert - Grade JC7515**

● for Stainless steel, Titanium alloy



| Dc   | Cat.No.  | Stk | A    | T   | Holder  |
|------|----------|-----|------|-----|---------|
| 13.5 | TEZ1350S | ●   | 11.4 | 4.5 | TEZD14* |
| 13.6 | TEZ1360S | ●   |      |     |         |
| 13.7 | TEZ1370S | ●   |      |     |         |
| 13.8 | TEZ1380S | ●   |      |     |         |
| 13.9 | TEZ1390S | ●   |      |     |         |
| 14.0 | TEZ1400S | ●   |      |     |         |
| 14.1 | TEZ1410S | ●   |      |     |         |
| 14.2 | TEZ1420S | ●   |      |     |         |
| 14.3 | TEZ1430S | ●   | 11.5 | 4.8 | TEZD15* |
| 14.4 | TEZ1440S | ●   |      |     |         |
| 14.5 | TEZ1450S | ●   |      |     |         |
| 14.6 | TEZ1460S | ●   |      |     |         |
| 14.7 | TEZ1470S | ●   |      |     |         |
| 14.8 | TEZ1480S | ●   |      |     |         |
| 14.9 | TEZ1490S | ●   |      |     |         |
| 15.0 | TEZ1500S | ●   |      |     |         |
| 15.1 | TEZ1510S | ●   | 12.4 | 5.0 | TEZD16* |
| 15.2 | TEZ1520S | ●   |      |     |         |
| 15.3 | TEZ1530S | ●   |      |     |         |
| 15.4 | TEZ1540S | ●   |      |     |         |
| 15.5 | TEZ1550S | ●   |      |     |         |
| 15.6 | TEZ1560S | ●   |      |     |         |
| 15.7 | TEZ1570S | ●   |      |     |         |
| 15.8 | TEZ1580S | ●   |      |     |         |
| 15.9 | TEZ1590S | ●   | 13.2 | 5.5 | TEZD17* |
| 16.0 | TEZ1600S | ●   |      |     |         |
| 16.1 | TEZ1610S | ●   |      |     |         |
| 16.2 | TEZ1620S | ●   |      |     |         |
| 16.3 | TEZ1630S | ●   |      |     |         |
| 16.4 | TEZ1640S | ●   |      |     |         |
| 16.5 | TEZ1650S | ●   |      |     |         |
| 16.6 | TEZ1660S | ●   |      |     |         |
| 16.7 | TEZ1670S | ●   | 13.5 | 5.8 | TEZD18* |
| 16.8 | TEZ1680S | ●   |      |     |         |
| 16.9 | TEZ1690S | ●   |      |     |         |
| 17.0 | TEZ1700S | ●   |      |     |         |
| 17.1 | TEZ1710S | ●   |      |     |         |
| 17.2 | TEZ1720S | ●   |      |     |         |
| 17.3 | TEZ1730S | ●   |      |     |         |
| 17.4 | TEZ1740S | ●   |      |     |         |
| 17.5 | TEZ1750S | ●   | 13.5 | 5.8 | TEZD18* |
| 17.6 | TEZ1760S | ●   |      |     |         |
| 17.7 | TEZ1770S | ●   |      |     |         |
| 17.8 | TEZ1780S | ●   |      |     |         |
| 17.9 | TEZ1790S | ●   |      |     |         |
| 18.0 | TEZ1800S | ●   |      |     |         |
| 18.1 | TEZ1810S | ●   |      |     |         |

| Dc   | Cat.No.  | Stk | A    | T   | Holder  |
|------|----------|-----|------|-----|---------|
| 18.2 | TEZ1820S | ●   | 13.5 | 5.8 | TEZD18* |
| 18.3 | TEZ1830S | ●   |      |     |         |
| 18.4 | TEZ1840S | ●   |      |     |         |
| 18.5 | TEZ1850S | ●   |      |     |         |
| 18.6 | TEZ1860S | ●   | 14.2 | 6.0 | TEZD19* |
| 18.7 | TEZ1870S | ●   |      |     |         |
| 18.8 | TEZ1880S | ●   |      |     |         |
| 18.9 | TEZ1890S | ●   |      |     |         |
| 19.0 | TEZ1900S | ●   |      |     |         |
| 19.1 | TEZ1910S | ●   |      |     |         |
| 19.2 | TEZ1920S | ●   |      |     |         |
| 19.3 | TEZ1930S | ●   |      |     |         |
| 19.4 | TEZ1940S | ●   | 15.1 | 6.5 | TEZD20* |
| 19.5 | TEZ1950S | ●   |      |     |         |
| 19.6 | TEZ1960S | ●   |      |     |         |
| 19.7 | TEZ1970S | ●   |      |     |         |
| 19.8 | TEZ1980S | ●   |      |     |         |
| 19.9 | TEZ1990S | ●   |      |     |         |
| 20.0 | TEZ2000S | ●   |      |     |         |
| 20.5 | TEZ2050S | ●   |      |     |         |

Note) 1 insert per case

NEW

**TEZ-H**  
TYPE

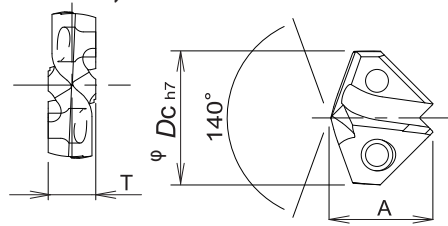
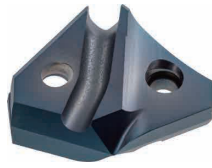
**Insert - Grade DH115**

● for Mold steel, Hardened steel (up to 52 HRC)

Through  
coolant  
hole

**DH**  
Coating

Drilling



NEW

| Dc   | Cat.No.  | Stk | A    | T   | Holder  |
|------|----------|-----|------|-----|---------|
| 13.5 | TEZ1350H | ●   | 11.4 | 4.5 | TEZD14* |
| 14.0 | TEZ1400H | ●   |      |     |         |
| 14.1 | TEZ1410H | ●   |      |     |         |
| 14.2 | TEZ1420H | ●   |      |     |         |
| 14.3 | TEZ1430H | ●   |      |     |         |
| 14.5 | TEZ1450H | ●   | 11.5 | 4.8 | TEZD15* |
| 15.0 | TEZ1500H | ●   |      |     |         |
| 15.1 | TEZ1510H | ●   |      |     |         |
| 15.2 | TEZ1520H | ●   |      |     |         |
| 15.3 | TEZ1530H | ●   |      |     |         |
| 15.5 | TEZ1550H | ●   | 12.4 | 5.0 | TEZD16* |
| 15.8 | TEZ1580H | ●   |      |     |         |
| 15.9 | TEZ1590H | ●   |      |     |         |
| 16.0 | TEZ1600H | ●   |      |     |         |
| 16.1 | TEZ1610H | ●   |      |     |         |
| 16.2 | TEZ1620H | ●   | 13.2 | 5.5 | TEZD17* |
| 16.3 | TEZ1630H | ●   |      |     |         |
| 16.5 | TEZ1650H | ●   |      |     |         |
| 17.0 | TEZ1700H | ●   | 13.5 | 5.8 | TEZD18* |
| 17.1 | TEZ1710H | ●   |      |     |         |
| 17.5 | TEZ1750H | ●   |      |     |         |
| 17.6 | TEZ1760H | ●   |      |     |         |
| 17.7 | TEZ1770H | ●   |      |     |         |
| 17.8 | TEZ1780H | ●   |      |     |         |
| 18.0 | TEZ1800H | ●   |      |     |         |
| 18.1 | TEZ1810H | ●   |      |     |         |
| 18.5 | TEZ1850H | ●   |      |     |         |

| Dc   | Cat.No.  | Stk | A    | T   | Holder  |
|------|----------|-----|------|-----|---------|
| 19.0 | TEZ1900H | ●   | 14.2 | 6.0 | TEZD19* |
| 19.5 | TEZ1950H | ●   |      |     |         |
| 19.8 | TEZ1980H | ●   | 15.1 | 6.5 | TEZD20* |
| 20.0 | TEZ2000H | ●   |      |     |         |
| 20.2 | TEZ2020H | ●   |      |     |         |
| 20.5 | TEZ2050H | ●   |      |     |         |

Note) 1 insert per case

**Recommended Cutting Conditions**
**●TEZ type JC8050**

| Material   | Structual Steel , Carbon Steel<br>below 280HB | Alloy Steel<br>280-350HB | Tool Steel<br>below 255HB |
|------------|-----------------------------------------------|--------------------------|---------------------------|
| Vc (m/min) | 75 - 90                                       | 70 - 90                  | 70 - 90                   |
| f (mm/rev) | 0.30 - 0.35                                   | 0.22 - 0.25              | 0.22 - 0.25               |

| Material   | Stainless Steel | Grey Cast Iron | Nodular Cast Iron |
|------------|-----------------|----------------|-------------------|
| Vc (m/min) | 45              | 85 - 110       | 60 - 90           |
| f (mm/rev) | 0.25            | 0.30 - 0.40    | 0.15 - 0.28       |

**●TEZ-S type JC7515**

| Material   | Titanium Alloy | Stainless Steel |
|------------|----------------|-----------------|
| Vc (m/min) | 35 - 60        | 45 - 80         |
| f (mm/rev) | 0.15 - 0.20    | 0.15 - 0.20     |

**●TEZ-H type DH115**

| Material   | Mold Steel<br>30 - 36HRC | Mold Steel<br>38 - 43HRC | Hardened Steel<br>42 - 52HRC |
|------------|--------------------------|--------------------------|------------------------------|
| Vc (m/min) | 50 - 70                  | 40 - 60                  | 40 - 60                      |
| f (mm/rev) | 0.15 - 0.25              | 0.10 - 0.20              | 0.10 - 0.15                  |

Note)

1. Use water-soluble coolant.
2. Adjust cutting conditions according to machine rigidity or work rigidity.
3. When using -XL (8D) type , reduce rpm & Vf by 20% from standard cutting conditions.  
Pre-drilling of guide-hole (depth : 0.5D) is recommended.

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**JQA-2089**

**JQA-EM1580**

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