

Tooling system

# TUNG<sup>ET</sup>SHRINK

Tungaloy Report No. 389S5-G

## Thermal Shrink Holders with Internal Coolant Jets





**New**

## Optimal performance and tool life



### ■ Features

Jets of coolant are supplied to the optimal areas close to the cutting points of the tool periphery through the grooves inside the holder.

- Extended tool life due to adequate coolant supply
- Improved chip control

### Slim shank design

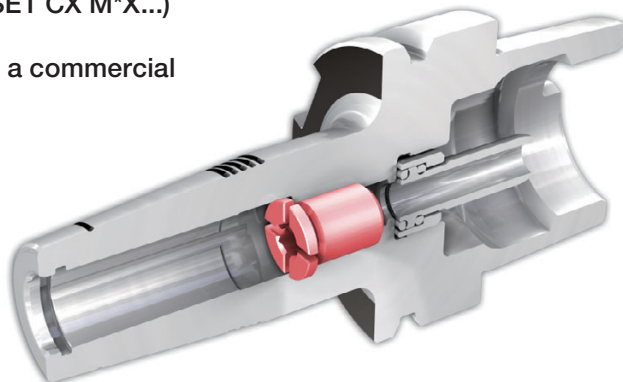
- Minimizes the risk of tool interference with the workpiece when machining narrow, hard-to-reach areas.

### ■ Caution

Always use a dedicated preset screw (PRESET CX M\*X...) included in the package.  
Coolant may not be properly supplied when a commercial preset screw is used.

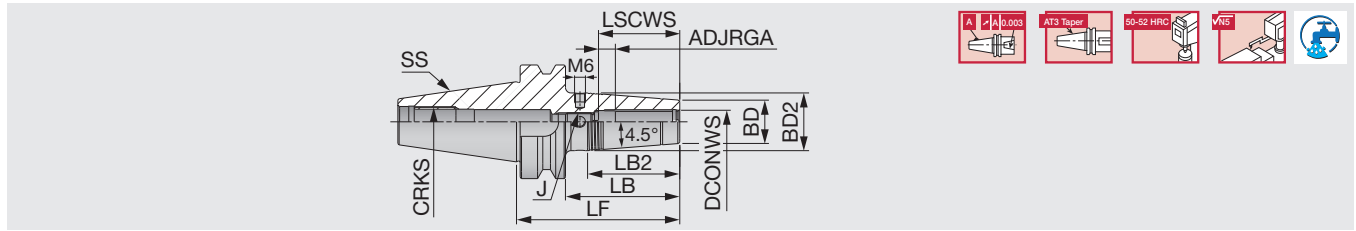


PRESET CX



## BT-SRKIN-CX

Thermal shrink holders with BT MAS-403 form AD tapered shank



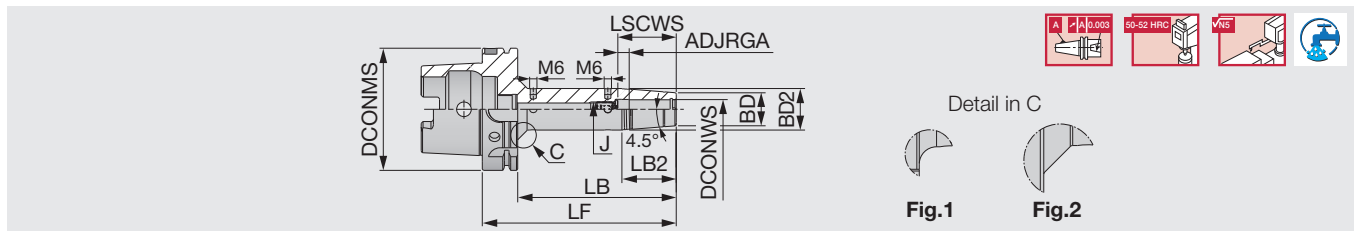
| Designation                      | SS | DCONWS | BD | BD2 | LF  | LB | LB2  | ADJRG | LSCWS | J  | CRKS |
|----------------------------------|----|--------|----|-----|-----|----|------|-------|-------|----|------|
| BT40SRKIN6X90CX <sup>(1)</sup>   | 40 | 6      | 21 | 27  | 90  | 63 | 38   | 9.5   | 34    | M5 | M16  |
| BT40SRKIN8X90CX <sup>(1)</sup>   | 40 | 8      | 21 | 27  | 90  | 63 | 38   | 9.5   | 34    | M6 | M16  |
| BT40SRKIN10X90CX <sup>(1)</sup>  | 40 | 10     | 24 | 32  | 90  | 63 | 50.8 | 9.5   | 39.8  | M8 | M16  |
| BT50SRKIN6X100CX <sup>(2)</sup>  | 50 | 6      | 21 | 26  | 100 | 62 | 32   | 9.5   | 34    | M5 | M24  |
| BT50SRKIN8X100CX <sup>(2)</sup>  | 50 | 8      | 21 | 27  | 100 | 62 | 38   | 9.5   | 34    | M6 | M24  |
| BT50SRKIN10X100CX <sup>(2)</sup> | 50 | 10     | 24 | 32  | 100 | 62 | 50.8 | 9.3   | 39.8  | M8 | M24  |

Please use an induction heating unit for SRKIN holder.  
 The holder can use any standard tools, including carbide, HSS, or steel.  
 Unbalance under 1 g x mm is not guaranteed.  
 Always use a dedicated preset screw (PRESET CX M\*X...) included in the package.

(1) Balanced to G2.5 max.n: 25,000 min<sup>-1</sup>  
 (2) Balanced to G2.5 max.n: 20,000 min<sup>-1</sup>

## HSK A-SRKIN-CX

Thermal shrink holders with HSK DIN69893 form A tapered shank



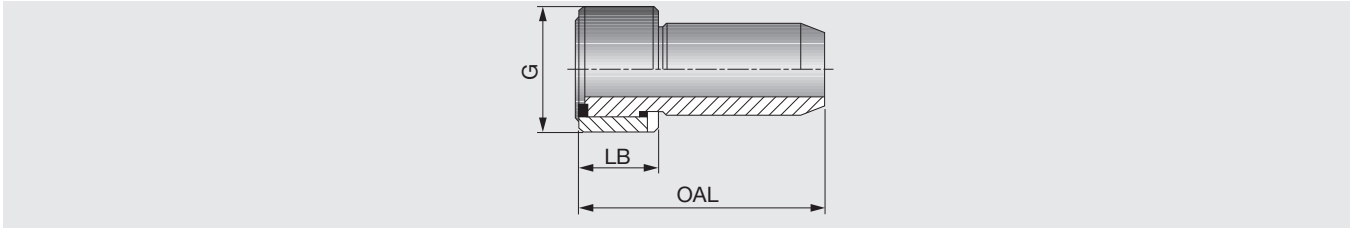
| Designation                        | DCONMS | DCONWS | BD | BD2 | LF  | LB | LB2  | ADJRG | LSCWS | J  | Fig. |
|------------------------------------|--------|--------|----|-----|-----|----|------|-------|-------|----|------|
| HSKA63SRKIN6X80CX <sup>(1)</sup>   | 63     | 6      | 21 | 27  | 80  | 54 | 38.1 | 9.4   | 34    | M5 | 1    |
| HSKA63SRKIN6X120CX <sup>(1)</sup>  | 63     | 6      | 21 | 27  | 120 | 94 | 38.1 | 9.4   | 34    | M5 | 1    |
| HSKA63SRKIN8X80CX <sup>(1)</sup>   | 63     | 8      | 21 | 27  | 80  | 54 | 38.1 | 9.5   | 34    | M6 | 1    |
| HSKA63SRKIN8X120CX <sup>(1)</sup>  | 63     | 8      | 21 | 27  | 120 | 94 | 38.1 | 9.5   | 34    | M6 | 1    |
| HSKA63SRKIN10X85CX <sup>(1)</sup>  | 63     | 10     | 24 | 32  | 85  | 59 | 50.8 | 9.3   | 39.8  | M8 | 1    |
| HSKA63SRKIN10X120CX <sup>(1)</sup> | 63     | 10     | 24 | 32  | 120 | 94 | 50.8 | 9.3   | 39.8  | M8 | 1    |
| HSKA100SRKIN6X85CX <sup>(2)</sup>  | 100    | 6      | 21 | 27  | 85  | 56 | 38.1 | 9.7   | 34    | M5 | 2    |
| HSKA100SRKIN8X85CX <sup>(2)</sup>  | 100    | 8      | 21 | 27  | 85  | 56 | 38.1 | 9.5   | 34    | M6 | 2    |
| HSKA100SRKIN10X90CX <sup>(2)</sup> | 100    | 10     | 24 | 32  | 90  | 61 | 50.8 | 9.3   | 39.8  | M8 | 2    |

Always mount the cooling tube (not included) for internal coolant supply.  
 Please use an induction heating unit for SRKIN holder.  
 The holder can use any standard tools, including carbide, HSS, or steel.  
 Unbalance under 1 g x mm is not guaranteed.  
 Always use a dedicated preset screw (PRESET CX M\*X...) included in the package.

(1) Balanced to G2.5 max.n: 25,000 min<sup>-1</sup>  
 Cooling tube # COOLINGTUBEHSKA63  
 Wrench for cooling tube # WRENCH COOL TUBE HSK63  
 (2) Balanced to G2.5 max.n: 20,000 min<sup>-1</sup>  
 Cooling tube # COOLINGTUBEHSKA100  
 Wrench for cooling tube # WRENCH COOL TUBE HSK100

## COOLING TUBE-HSK

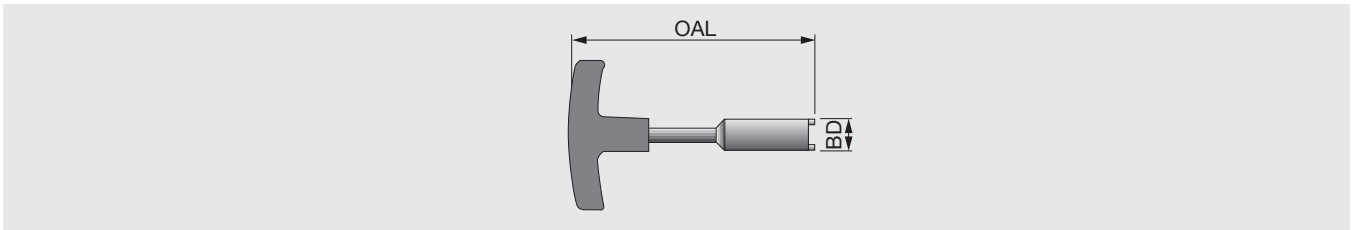
Cooling tube for HSK shank



| Designation        | HSK size | OAL  | LB   | G       |
|--------------------|----------|------|------|---------|
| COOLINGTUBEHSKA63  | 63       | 36   | 11.5 | M18X1   |
| COOLINGTUBEHSKA100 | 100      | 43.6 | 15.5 | M24X1.5 |

## WRENCH

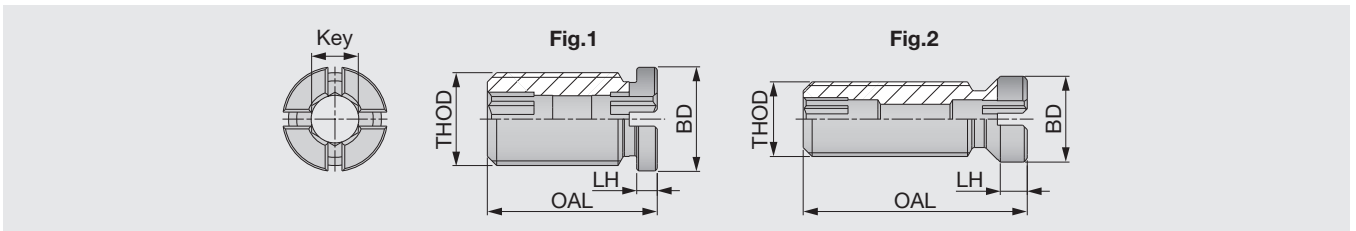
Wrench for HSK cooling tube



| Designation             | HSK size | BD | OAL |
|-------------------------|----------|----|-----|
| WRENCH COOL TUBE HSK63  | 63       | 17 | 122 |
| WRENCH COOL TUBE HSK100 | 100      | 22 | 141 |

## PRESET CX

Preset screw with coolant hole for SRKIN-CX holders



| Designation     | THOD | OAL  | BD  | LH  | Key | Fig. |
|-----------------|------|------|-----|-----|-----|------|
| PRESET CX M5X13 | M5   | 15   | 5.8 | 2.2 | 2.5 | 2    |
| PRESET CX M6X12 | M6   | 14   | 8   | 2   | 3   | 1    |
| PRESET CX M8X16 | M8   | 18.2 | 9.3 | 2.2 | 4   | 1    |



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