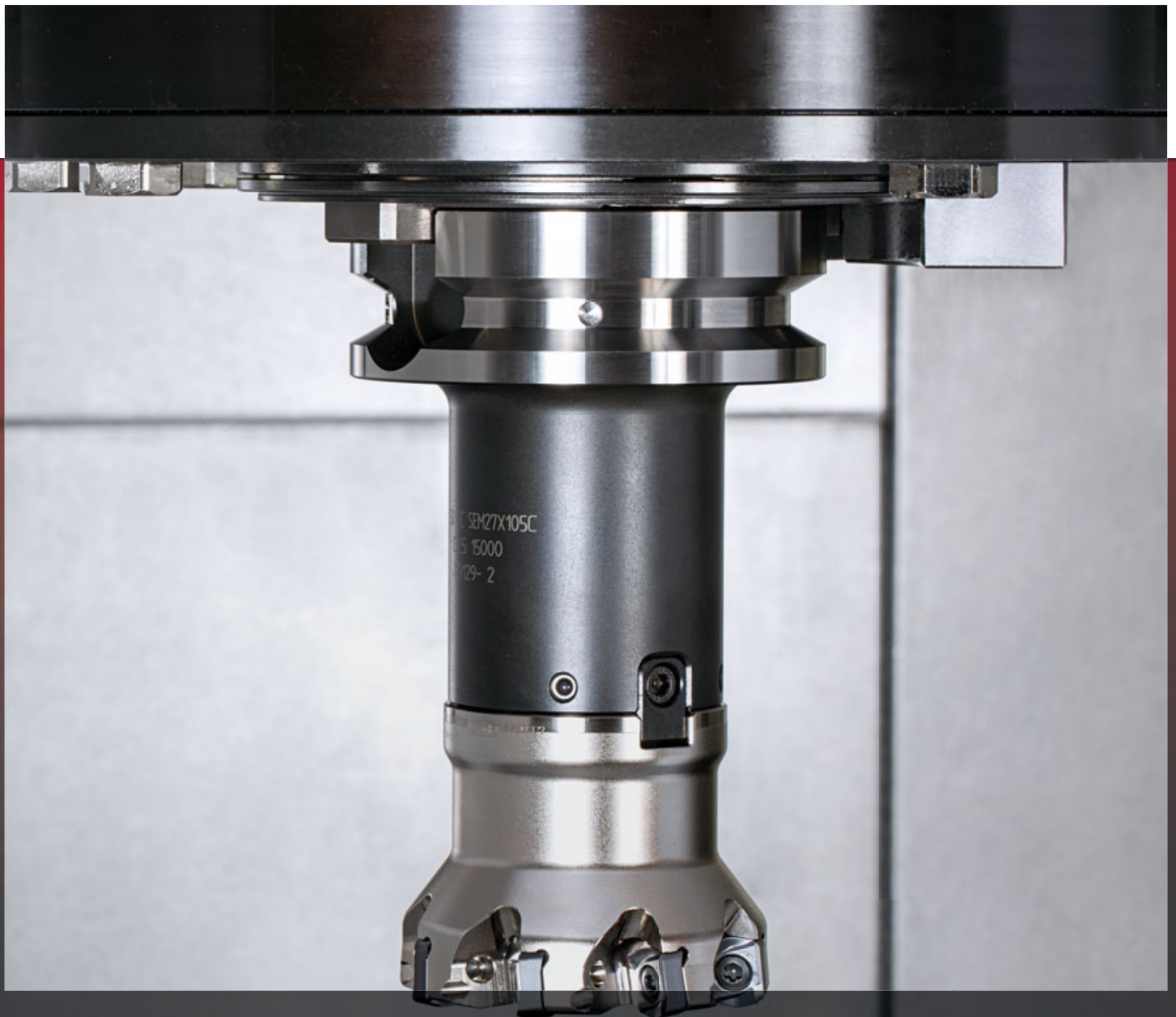


Tooling system

**TUNGHOLD**

Tungaloy Report No. 389S4-G

## Expansion of the FC series tool holders with a dual-contact system

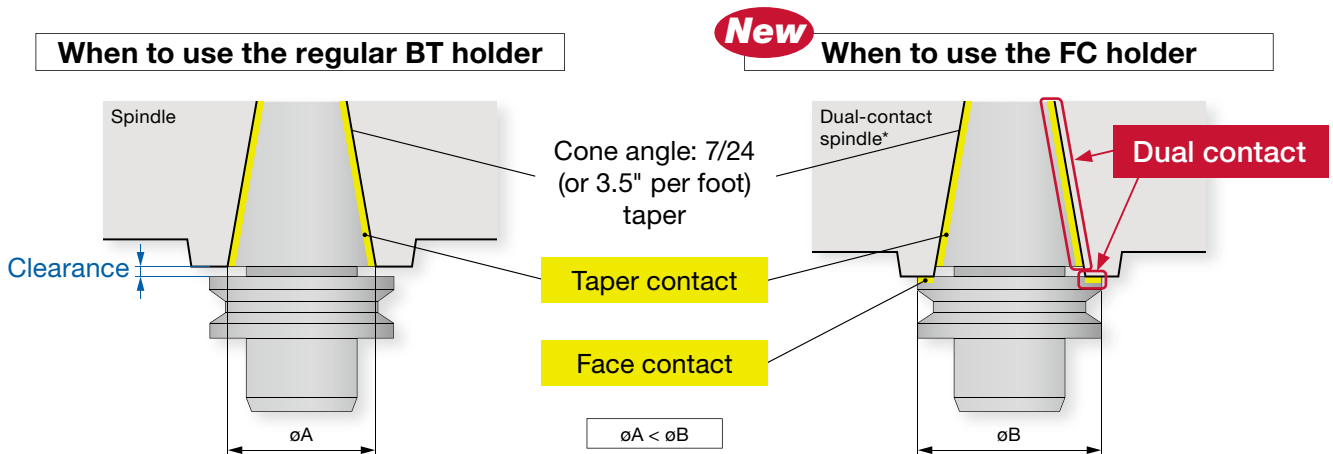




## High rigidity holders with a dual-contact system for improved stability

### ■ Features

- A dual-contact system for increased holder rigidity
- High precision and repeatability when using ATC for tool loadings
- Minimized axial deflections of the tool caused by centrifugal forces or increased temperatures during high speed tool rotation
- Assures stable cutting performance during machining with long overhang or heavy cutting
- Increased tool life of the cutting tools and machine spindles

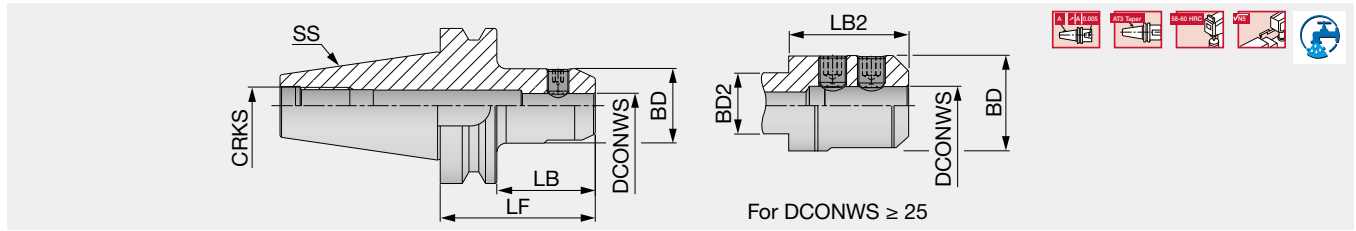


\*Note: FC series tool holders can also be used with the spindles designed for conventional BT taper connection. In this case, the holder will be supported with the taper contact only, leaving a clearance between the face contacts.



## BT-FC-EM

DIN1835 Form B endmill holders with BT MAS-403 face contact AD tapered shanks



| Designation    | SS | DCONWS | BD   | BD2  | LF  | LB   | LB2 | CRKS |
|----------------|----|--------|------|------|-----|------|-----|------|
| BT30FCEM12X60  | 30 | 12     | 42   | -    | 60  | 38   | -   | M12  |
| BT30FCEM16X60  | 30 | 16     | 45.9 | -    | 60  | 38   | -   | M12  |
| BT30FCEM20X80  | 30 | 20     | 52   | 44.4 | 80  | 58   | 48  | M12  |
| BT40FCEM10X65  | 40 | 10     | 35   | -    | 65  | 39   | -   | M16  |
| BT40FCEM12X65  | 40 | 12     | 42   | -    | 65  | 39   | -   | M16  |
| BT40FCEM16X65  | 40 | 16     | 48   | -    | 65  | 39   | -   | M16  |
| BT40FCEM20X75  | 40 | 20     | 52   | -    | 75  | 49   | -   | M16  |
| BT40FCEM25X105 | 40 | 25     | 65   | 61   | 105 | 79   | 68  | M16  |
| BT40FCEM32X110 | 40 | 32     | 71   | 61   | 110 | 83   | 73  | M16  |
| BT50FCEM12X100 | 50 | 12     | 42   | -    | 100 | 62   | -   | M24  |
| BT50FCEM16X100 | 50 | 16     | 48   | -    | 100 | 63.5 | -   | M24  |
| BT50FCEM20X100 | 50 | 20     | 52   | -    | 100 | 63.5 | -   | M24  |
| BT50FCEM25X115 | 50 | 25     | 65   | -    | 115 | 78.5 | -   | M24  |
| BT50FCEM32X115 | 50 | 32     | 71   | -    | 115 | 78.5 | -   | M24  |
| BT50FCEM40X115 | 50 | 40     | 90   | -    | 115 | 78.5 | -   | M24  |
| BT50FCEM50X125 | 50 | 50     | 100  | -    | 125 | 87   | -   | M24  |

Applicable for 10 MPa coolant.

For the reference page below (K\*\*\*), please see the Tungaloy General Catalog, ver. 2020-2021. Or scan the QR code.



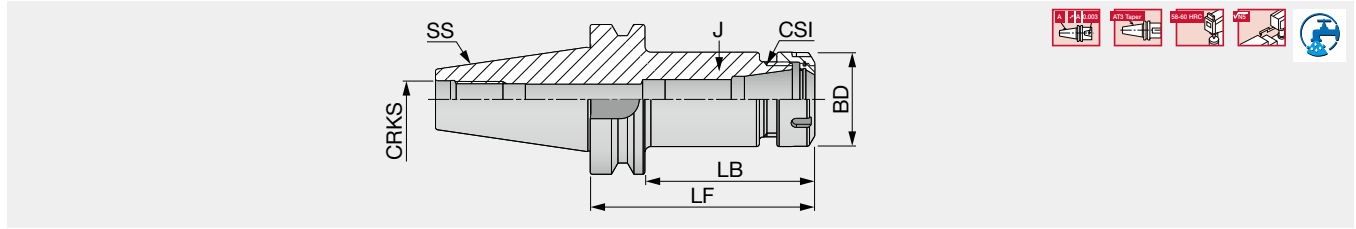
Pull stud  
K148



Clamping screw  
K155

## BT-FC-ER

ER collet chuck holders with BT MAS-403 face contact AD tapered shanks



| Designation                   | SS | CSI  | BD | LF  | LB    | J       | CRKS |
|-------------------------------|----|------|----|-----|-------|---------|------|
| BT30FCER16X70 <sup>(1)</sup>  | 30 | ER16 | 28 | 70  | 48    | M10     | M12  |
| BT30FCER16X100 <sup>(1)</sup> | 30 | ER16 | 28 | 100 | 79    | M10     | M12  |
| BT30FCER20X70 <sup>(1)</sup>  | 30 | ER20 | 34 | 70  | 48    | M12     | M12  |
| BT30FCER25X60 <sup>(1)</sup>  | 30 | ER25 | 42 | 60  | 38    | M16     | M12  |
| BT30FCER32X60 <sup>(1)</sup>  | 30 | ER32 | 50 | 60  | 38    | M18     | M12  |
| BT40FCER16X70 <sup>(1)</sup>  | 40 | ER16 | 28 | 70  | 44    | M12     | M16  |
| BT40FCER16X100 <sup>(1)</sup> | 40 | ER16 | 28 | 100 | 74    | M12     | M16  |
| BT40FCER32X60 <sup>(1)</sup>  | 40 | ER32 | 50 | 60  | 34    | M22X1.5 | M16  |
| BT40FCER32X100 <sup>(1)</sup> | 40 | ER32 | 50 | 100 | 74    | M22X1.5 | M16  |
| BT40FCER40X80 <sup>(1)</sup>  | 40 | ER40 | 63 | 80  | 54    | M28X1.5 | M16  |
| BT50FCER16X100 <sup>(2)</sup> | 50 | ER16 | 28 | 100 | 63.5  | M12     | M24  |
| BT50FCER16X150 <sup>(2)</sup> | 50 | ER16 | 28 | 150 | 113.5 | M12     | M24  |
| BT50FCER32X100 <sup>(2)</sup> | 50 | ER32 | 50 | 100 | 63.5  | M22X1.5 | M24  |
| BT50FCER32X150 <sup>(2)</sup> | 50 | ER32 | 50 | 150 | 113.5 | M22X1.5 | M24  |
| BT50FCER40X100 <sup>(2)</sup> | 50 | ER40 | 63 | 100 | 63.5  | M28X1.5 | M24  |
| BT50FCER40X150 <sup>(2)</sup> | 50 | ER40 | 63 | 150 | 113.5 | M28X1.5 | M24  |

(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>

Option: Wrench for ER collet

For the reference page below (K\*\*\*), please see the Tungaloy General Catalog, ver. 2020-2021. Or scan the QR code.



ER collet  
K125



Nut  
K151



Wrench  
K152



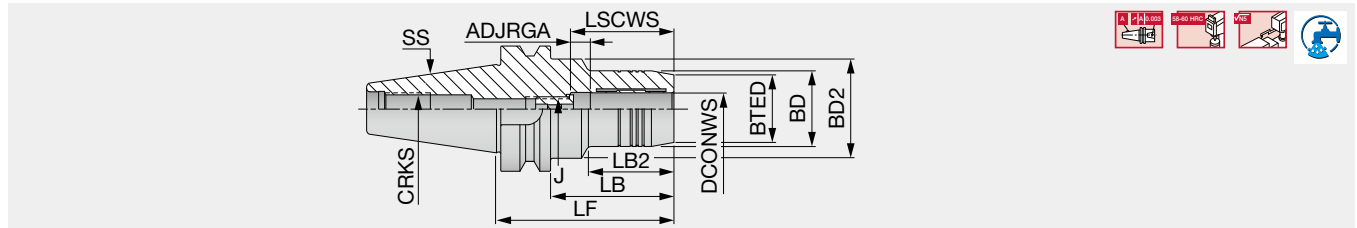
Preset screw  
K153



Pull stud  
K148

## BT-FC-HYDRO

Hydraulic chuck holders with MAS-BT face contact form AD shanks



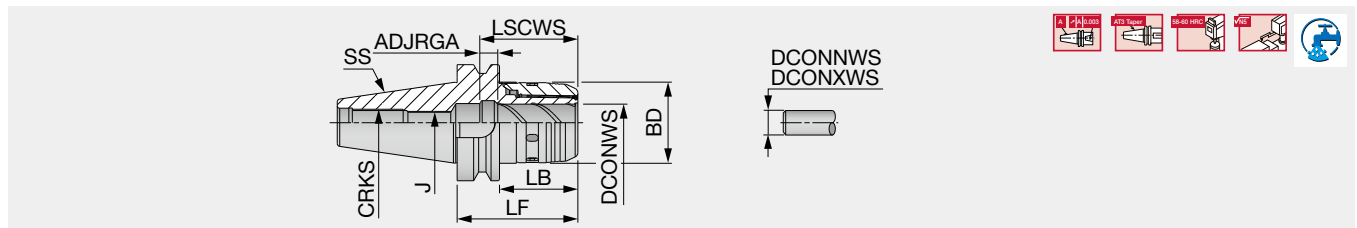
| Designation      | SS | DCONWS | LF | BTED | BD | BD2 | LB | LB2 | ADJRGA | LSCWS | J     | CRKS |
|------------------|----|--------|----|------|----|-----|----|-----|--------|-------|-------|------|
| BT30FCHYDRO6X60  | 30 | 6      | 60 | 23   | 26 | -   | 38 | 33  | 10     | 37    | M5    | M12  |
| BT30FCHYDRO8X64  | 30 | 8      | 64 | 25   | 28 | 45  | 42 | 29  | 6      | 37    | M6    | M12  |
| BT30FCHYDRO10X64 | 30 | 10     | 64 | 27   | 30 | -   | 42 | 37  | 10     | 42    | M8x1  | M12  |
| BT30FCHYDRO12X72 | 30 | 12     | 72 | 29   | 32 | -   | 50 | 43  | 10     | 50    | M10x1 | M12  |
| BT30FCHYDRO14X70 | 30 | 14     | 70 | 30   | 34 | -   | 48 | 33  | 10     | 48    | M8x1  | M12  |
| BT30FCHYDRO16X90 | 30 | 16     | 90 | 34   | 38 | -   | 68 | 52  | 10     | 52    | M10x1 | M12  |
| BT30FCHYDRO18X90 | 30 | 18     | 90 | 36   | 40 | -   | 68 | 52  | 10     | 52    | M10x1 | M12  |
| BT30FCHYDRO20X90 | 30 | 20     | 90 | 38   | 42 | 42  | 68 | -   | 10     | 52    | M10x1 | M12  |

Chucking forces will be reduced by 25% if reduction sleeves are used.  
 Reduction sleeves are available for 12 and 20 mm bore diameters (ordered separately).  
 Clamping wrench (WRENCHHYDROHEX4) and test bar should be ordered separately.  
 Balanced to G2.5 max.n: 18,000 min<sup>-1</sup>  
 Applicable for 10 MPa coolant.

Option: Wrench

## BT-FC-TUNGMAX

Power chuck holders with BT MAS-403 face contact AD tapered shanks



| Designation       | SS | DCONWS | DCONNWS | DCONXWS | BD   | LF  | LB   | ADJRGA | LSCWS | J     | CRKS |
|-------------------|----|--------|---------|---------|------|-----|------|--------|-------|-------|------|
| BT40FCMAXIN20X85  | 40 | 20     | 6       | 20      | 53   | 85  | 58   | 12.8   | 68.3  | M16   | M16  |
| BT40FCMAXIN32X108 | 40 | 32     | 6       | 32      | 70   | 108 | 80.5 | 13     | 83    | M16   | M16  |
| BT50FCMAXIN20X105 | 50 | 20     | 6       | 20      | 53   | 105 | 67   | 13.1   | 68.6  | M16   | M24  |
| BT50FCMAXIN32X106 | 50 | 32     | 6       | 32      | 69.9 | 106 | 68   | 14.3   | 83.3  | M20X2 | M24  |

Applicable for 10 MPa coolant.

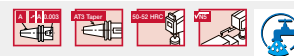
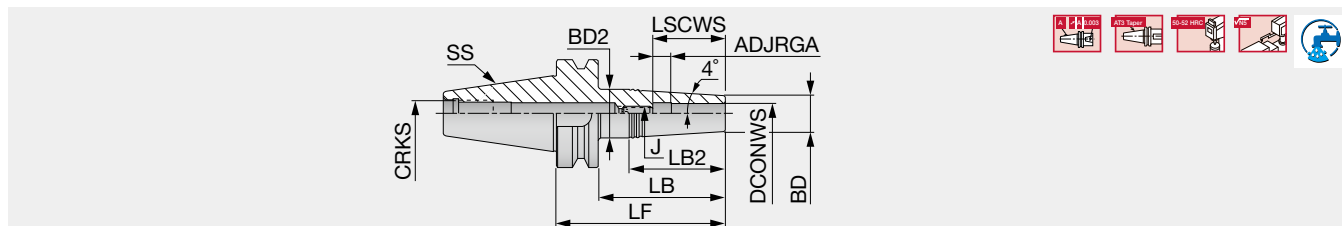
Option: Wrench for TungMax collet

For the reference page below (K\*\*\*), please see the Tungaloy General Catalog, ver. 2020-2021. Or scan the QR code.

|  |                         |                   |                         |                   |                |
|--|-------------------------|-------------------|-------------------------|-------------------|----------------|
|  | <b>BT-FC-HYDRO</b>      |                   | <b>BT-FC-TUNGMAX</b>    |                   |                |
|  |                         |                   |                         |                   |                |
|  | Straight collet<br>K138 | Pull stud<br>K148 | Straight collet<br>K135 | Pull stud<br>K148 | Wrench<br>K152 |

## BT-FC-SRK

Thermal shrinking holders with BT MAS-403 face contact AD tapered shanks, for carbide shanks

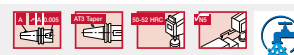
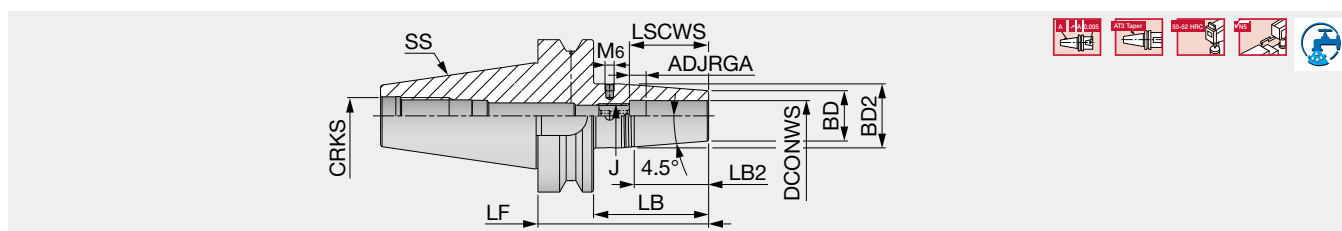


| Designation    | SS | DCONWS | BD    | BD2 | LF | LB | LB2  | ADJRGA | LSCWS | J   | CRKS |
|----------------|----|--------|-------|-----|----|----|------|--------|-------|-----|------|
| BT30FCSRK3X50  | 30 | 3      | 9.93  | 15  | 72 | 50 | 36.3 | 0      | 10    | M6  | M12  |
| BT30FCSRK4X50  | 30 | 4      | 9.93  | 15  | 72 | 50 | 36.3 | 0      | 12    | M6  | M12  |
| BT30FCSRK6X50  | 30 | 6      | 10.88 | 16  | 72 | 50 | 36.6 | 0      | 18    | M8  | M12  |
| BT30FCSRK8X50  | 30 | 8      | 13.95 | 20  | 72 | 50 | 43.3 | 0      | 25    | M10 | M12  |
| BT30FCSRK12X50 | 30 | 12     | 20.03 | 26  | 72 | 50 | 42.7 | 10     | 42    | M10 | M12  |

Please use an induction heating unit for SRKIN holder.  
Balanced to G2.5 max.n: 25,000 min<sup>-1</sup>  
Applicable for 10 MPa coolant.

## BT-FC-SRKIN

Thermal shrinking holders with BT MAS-403 face contact AD tapered shanks, for carbide, HSS and steel shanks



| Designation           | SS | DCONWS | BD | BD2 | LF  | LB   | LB2  | ADJRGA | LSCWS | J   | CRKS |
|-----------------------|----|--------|----|-----|-----|------|------|--------|-------|-----|------|
| BT40FCSRKIN6X90 (1)   | 40 | 6      | 21 | 27  | 90  | 64   | 38   | 11     | 36    | M5  | M16  |
| BT40FCSRKIN8X90 (1)   | 40 | 8      | 21 | 27  | 90  | 64   | 38   | 11     | 36    | M6  | M16  |
| BT40FCSRKIN10X90 (1)  | 40 | 10     | 24 | 32  | 90  | 64   | 50.8 | 11     | 42    | M8  | M16  |
| BT40FCSRKIN12X90 (1)  | 40 | 12     | 24 | 32  | 90  | 64   | 50.8 | 11     | 47    | M10 | M16  |
| BT40FCSRKIN14X90 (1)  | 40 | 14     | 27 | 34  | 90  | 64   | 44.5 | 11     | 47    | M10 | M16  |
| BT40FCSRKIN16X90 (1)  | 40 | 16     | 27 | 34  | 90  | 64   | 44.5 | 11     | 50    | M12 | M16  |
| BT40FCSRKIN18X90 (1)  | 40 | 18     | 33 | 42  | 90  | 64   | 57.2 | 11     | 50    | M12 | M16  |
| BT40FCSRKIN20X90 (1)  | 40 | 20     | 33 | 42  | 90  | 64   | 57.2 | 11     | 52    | M16 | M16  |
| BT40FCSRKIN25X110 (1) | 40 | 25     | 44 | 53  | 110 | 84   | 57.2 | 11     | 58    | M16 | M16  |
| BT50FCSRKIN6X100 (2)  | 50 | 6      | 21 | 27  | 100 | 63.5 | 38   | 11     | 36    | M6  | M24  |
| BT50FCSRKIN8X100 (2)  | 50 | 8      | 21 | 27  | 100 | 63.5 | 38   | 11     | 36    | M5  | M24  |
| BT50FCSRKIN10X100 (2) | 50 | 10     | 24 | 32  | 100 | 63.5 | 50.8 | 11     | 42    | M8  | M24  |
| BT50FCSRKIN12X100 (2) | 50 | 12     | 24 | 32  | 100 | 63.5 | 50.8 | 11     | 47    | M10 | M24  |
| BT50FCSRKIN14X100 (2) | 50 | 14     | 27 | 34  | 100 | 63.5 | 44.5 | 11     | 47    | M10 | M24  |
| BT50FCSRKIN16X100 (2) | 50 | 16     | 27 | 34  | 100 | 63.5 | 44.5 | 11     | 50    | M12 | M24  |
| BT50FCSRKIN20X100 (2) | 50 | 20     | 33 | 42  | 100 | 63.5 | 57.2 | 11     | 52    | M16 | M24  |
| BT50FCSRKIN25X120 (2) | 50 | 25     | 44 | 53  | 120 | 83.5 | 57.2 | 11     | 58    | M16 | M24  |
| BT50FCSRKIN32X120 (2) | 50 | 32     | 44 | 53  | 120 | 83.5 | 57.2 | 11.5   | 62    | M16 | M24  |

Please use an induction heating unit for SRKIN holder.  
(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>  
Applicable for 10 MPa coolant.

For the reference page below (K\*\*\*), please see the Tungaloy General Catalog, ver. 2020-2021. Or scan the QR code.



Pull stud  
K148



Induction heating unit  
K144



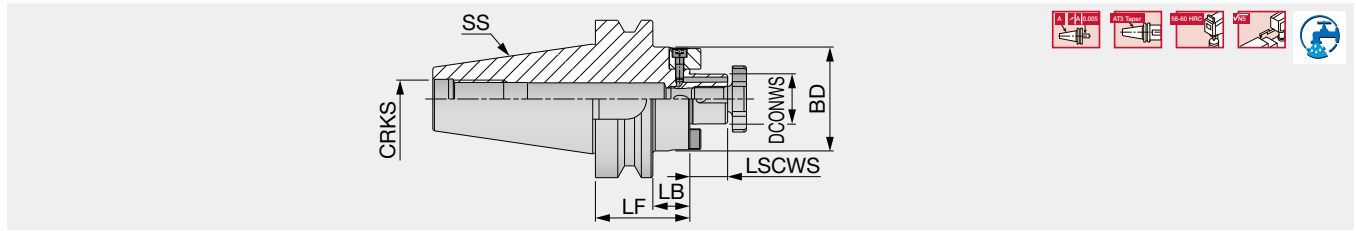
Heating unit  
K144



Preset screw  
K155

## BT-FC-SEM-C

Shell mill holders with coolant holes and BT MAS-403 face contact AD tapered shanks



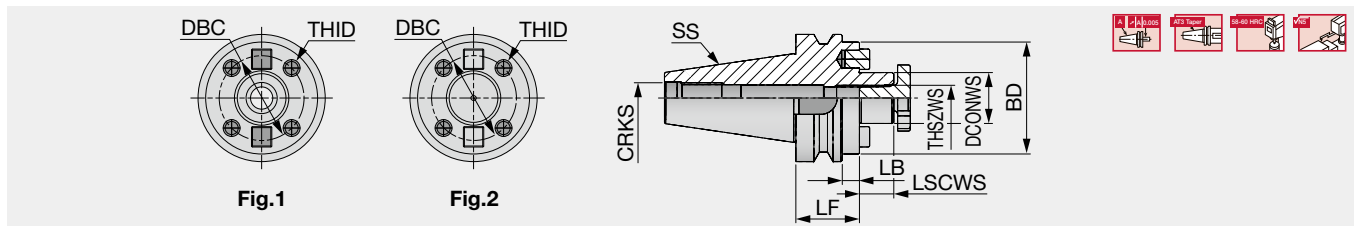
| Designation      | SS | DCONWS | BD | LF  | LB   | LSCWS | CRKS |
|------------------|----|--------|----|-----|------|-------|------|
| BT30FCSEM16X50C  | 30 | 16     | 38 | 50  | 28   | 17    | M12  |
| BT30FCSEM22X50C  | 30 | 22     | 47 | 50  | 28   | 19    | M12  |
| BT30FCSEM27X50C  | 30 | 27     | 58 | 50  | 28   | 21    | M12  |
| BT40FCSEM16X60C  | 40 | 16     | 38 | 60  | 34   | 17    | M16  |
| BT40FCSEM22X60C  | 40 | 22     | 47 | 60  | 34   | 19    | M16  |
| BT40FCSEM22X120C | 40 | 22     | 47 | 120 | 94   | 19    | M16  |
| BT40FCSEM27X45C  | 40 | 27     | 58 | 45  | 19   | 21    | M16  |
| BT40FCSEM32X60C  | 40 | 32     | 66 | 60  | 34   | 24    | M16  |
| BT50FCSEM16X75C  | 50 | 16     | 38 | 75  | 38.5 | 17    | M24  |
| BT50FCSEM16X120C | 50 | 16     | 38 | 120 | 83.5 | 17    | M24  |
| BT50FCSEM22X75C  | 50 | 22     | 47 | 75  | 38.5 | 19    | M24  |
| BT50FCSEM22X120C | 50 | 22     | 47 | 120 | 83.5 | 19    | M24  |
| BT50FCSEM27X60C  | 50 | 27     | 58 | 60  | 23.5 | 21    | M24  |
| BT50FCSEM27X105C | 50 | 27     | 58 | 105 | 68.5 | 21    | M24  |
| BT50FCSEM32X60C  | 50 | 32     | 66 | 60  | 11.5 | 24    | M24  |
| BT50FCSEM40X60C  | 50 | 40     | 82 | 60  | 11.5 | 27    | M24  |

Balanced to G2.5 max.n: 20,000 min<sup>-1</sup>  
Applicable for 10 MPa coolant.

Option: Wrench for lock screw

## BT-FC-FM

Face mill holders with BT MAS-403 face contact A/AD tapered shanks



| Designation               | SS | BD  | DCONWS | DBC   | LF | LSCWS | LB   | CRKS | THSZWS | THID | Fig. |
|---------------------------|----|-----|--------|-------|----|-------|------|------|--------|------|------|
| BT40FCFM40 <sup>(1)</sup> | 40 | 88  | 40     | 66.7  | 60 | 27    | 23   | M16  | M20    | M12  | 1    |
| BT50FCFM40 <sup>(1)</sup> | 50 | 88  | 40     | 66.7  | 50 | 27    | 13.5 | M24  | M20    | M12  | 1    |
| BT50FCFM60 <sup>(2)</sup> | 50 | 128 | 60     | 101.6 | 88 | 40    | 41.5 | M24  | -      | M16  | 2    |

(1) Form AD  
(2) Form A

Option: Wrench for lock screw

For the reference page below (K\*\*\*), please see the Tungaloy General Catalog, ver. 2020-2021. Or scan the QR code.



Pull stud  
K148



Clamping screw  
K154



Wrench  
K156



### **Tungaloy Corporation (Head office)**

11-1 Yoshima-Kogyodanchi  
Iwaki-city, Fukushima 970-1144 Japan  
Phone: +81-246-36-8501  
Fax: +81-246-36-8542  
www.tungaloy.co.jp

### **Tungaloy-NTK America Inc.**

3726 N Ventura Drive  
Arlington Heights, IL 60004, U.S.A.  
Phone: +1-888-554-8394  
Fax: +1-888-554-8392  
www.tungaloy.com/us

### **Tungaloy Canada**

432 Elgin St. Unit 3  
Brantford, Ontario N3S 7P7, Canada  
Phone: +1-519-758-5779  
Fax: +1-519-758-5791  
www.tungaloy.com/ca

### **Tungaloy-NTK De Mexico S.A.**

C. Los Arellano 113,  
Parque Industrial Siglo XXI  
Aguascalientes, AGS, Mexico 20290  
Phone: +52-449-929-5410  
Fax: +52-449-929-5411  
www.tungaloy.com/mx

### **Tungaloy-NTK do Brasil Ltda.**

Avd. Independencia N4158 Residencial Flora  
13280-000 Vinhedo, São Paulo, Brasil  
Phone: +55-19-38262757  
Fax: +55-19-38262757  
www.tungaloy.com/br

### **Tungaloy-NTK Germany GmbH.**

Katzbergstr. 3a  
D-40764 Langenfeld, Germany  
Phone: +49-2173-90420-0  
Fax: +49-2173-90420-19  
www.tungaloy.com/de

### **Tungaloy France s.a.s**

Les Fjords  
19 avenue de Norvège  
91140 Villebon Sur Yvette, France  
Phone: +33-1-6486-4300  
Fax: +33-1-6907-7817  
www.tungaloy.com/fr

### **Tungaloy Italia S.r.l.**

Viale Sarca 336/Edificio 13  
20126 Milano, Italy  
Phone: +39-02-252012-1  
Fax: +39-02-252012-65  
www.tungaloy.com/it

### **Tungaloy Czech s.r.o.**

Turanka 115  
CZ-627 00 Brno, Czech Republic  
Phone: +420-532 123 391  
Fax: +420-532 123 392  
www.tungaloy.com/cz

### **Tungaloy Ibérica S.L.**

C/Miquel Servet, 43B, Nau 7  
Pol. Ind. Bufalvent  
ES-08243 Manresa (BCN), Spain  
Phone: +34 93 113 1360  
www.tungaloy.com/es

### **Tungaloy Scandinavia AB**

Bultgatan 38  
442 40 Kungälv, Sweden  
Phone: +46-462119200  
Fax: +46-462119207  
www.tungaloy.com/se

### **Tungaloy Rus, LLC**

Andropova avenue, h.18/7,  
11 floor, office 3, 115432,  
Moscow, Russia  
Phone: +7-499-683-01-80  
Fax: +7-499-683-01-81  
www.tungaloy.com/ru

### **Tungaloy Polska Sp. z o.o.**

Ul. Irysowa 1, 55-040 Bielany  
Wroclawskie, Poland  
Phone: +48 607 907 237  
www.tungaloy.com/pl

### **Tungaloy-NTK UK Ltd.**

Suite 3, Pioneer House, Mill Street,  
Cannock, WS11 0EF, UK  
Phone: +44 121 4000 231  
Fax: +44 121 270 9694  
www.tungaloy.com/uk

### **Tungaloy Hungary Kft**

Erzsébet királyné útja 125  
H-1142 Budapest, Hungary  
Phone: +36 1 781-6846  
Fax: +36 1 781-6866  
www.tungaloy.com/hu

### **Tungaloy Turkey**

Serifali Mah.bayraktar Bulvari Kule Sk. No:26  
34775 Umraniye / Istanbul / Turkey  
Phone: +90 216 540 04 67  
Fax: +90 216 540 04 87  
www.tungaloy.com/tr

### **Tungaloy Benelux b.v.**

Tjalk 70  
NL-2411 NZ Bodegraven, Netherlands  
Phone: +31 172 630 420  
Fax: +31 172 630 429  
www.tungaloy.com/nl

### **Tungaloy Croatia**

Ulica bana Josipa Jelačića 87,  
10430, Samobor, Croatia  
Phone: +385 1 3326 604  
Fax: +385 1 3327 683  
www.tungaloy.com/hr

### **Tungaloy Cutting Tool (Shanghai) Co. Ltd.**

Rm No 401 No.88 Zhabei  
Jiangchang No.3 Rd  
Shanghai 200436, China  
Phone: +86-21-3632-1880  
Fax: +86-21-3621-1918  
www.tungaloy.com/cn

### **Tungaloy Cutting Tools Taiwan Co. Ltd.**

9F, No.293, Zhongyang Rd,  
Xinzhuang Dist, New Taipei City,  
24251 Taiwan  
Phone: +886-2-8521-9986  
Fax: +886-2-8521-8935  
www.tungaloy.com/tw

### **Tungaloy-NTK Cutting Tool (Thailand) Co.,Ltd.**

Interlink tower 4th Fl.  
1858/5-7 Bangna-Trad Road  
km.5 Bangna, Bangna, Bangkok 10260  
Thailand  
Phone: +66-2-751-5711  
Fax: +66-2-751-5715  
www.tungaloy.com/th

### **Tungaloy Singapore (Pte.), Ltd.**

62 Ubi Road 1, #06-11 Oxley BizHub 2  
Singapore 408734  
Phone: +65-6391-1833  
Fax: +65-6299-4557  
www.tungaloy.com/sg

### **Tungaloy-NTK Vietnam LLC**

3rd Floor, Licogi 13 Tower, 164 Khuat Duy  
Tien, Nhan Chinh, Thanh Xuan District,  
Hanoi, Vietnam  
Phone: +84 24 63282086  
www.tungaloy.com/vn

### **Tungaloy India Pvt. Ltd.**

One International Center,  
Unit # 902-A, 9th Floor,  
Tower 1, Senapati Bapat Marg,  
Elphinstone Road (West),  
Mumbai 400013, India  
Phone: +91-22-6124-8803  
Fax: +91-22-6124-8899  
www.tungaloy.com/in

### **Tungaloy Korea Co., Ltd**

#1312, Byucksan Digital Valley 5-cha  
Beotkkot-ro 244, Geumcheon-gu  
153-788 Seoul, Korea  
Phone: +82-2-2621-6161  
Fax: +82-2-6393-8952  
www.tungaloy.com/kr

### **Tungaloy Malaysia Sdn Bhd**

50 K-2, Kelana Mall, Jalan SS6/14  
Kelana Jaya, 47301  
Petaling Jaya, Selangor Darul Ehsan  
Malaysia  
Phone: +603-7805-3222  
Fax: +603-7804-8563  
www.tungaloy.com/my

### **Tungaloy Australia Pty Ltd**

Unit 68 1470 Ferntree Gully Road  
Knoxfield 3180 Victoria, Australia  
Phone: +61-3-9755-8147  
Fax: +61-3-9755-6070  
www.tungaloy.com/au

### **PT. Tungaloy Indonesia**

Ruko Blok AA.10 No3&5, Grand Wisata,  
Lambangjaya, Tambun Selatan, Bekasi,  
17510 Indonesia  
Phone: +62-21-8261-5808  
Fax: +62-21-8261-5809  
www.tungaloy.com/id



**tungaloy.com**

follow us at:

facebook.com/tungaloyjapan

twitter.com/tungaloyjapan

www.youtube.com/tungaloycorporation

Distributed by:



Tungaloy APP & SNS

FIND US ON THE CLOUD!  
machingcloud.com



AS9100 Certified  
78006  
2015.11.04  
ISO 14001 Certified  
EC97J123  
1997.11.26