

YOU

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INTELLIGENTLY?

MACHINING

ISCAR **BT30** LINES

For Compact Machining Centers



Overview







- BT30 and BT30 FC tool-holding solutions for compact milling centers—engineered to boost accuracy, stability, and productivity in small-diameter machining for medical, electronics, aerospace, and automotive applications.



Highlights

- BT30 Modular System: extensions, toolholders, and boring solutions for maximum flexibility and rigidity in compact setups.
- Short Collet System with Multi-Master interface (T05/T06/T08, Ø8–12 mm): compact, minimal overhang; high precision and stability for micro/small-diameter milling.
- Short Collet System with Multi-Master interface (T06/T10, Ø10–16 mm): increased clamping force for medium-diameter tools in a short, rigid assembly.
- BT30 FC with **FLEX-FIT**: fast, secure threaded adaptation with high stability and repeatability.
- BT30 FC with Multi-Master: quick head exchange and broad compatibility for versatile operations

Choose the Right BT30 Tool Holder

						
	Collet Chuck ER	SRKIN	SEM	Hydro	MULTI-MASTER	EM
Run Out on Cutting Tool (3xD) [mm]	< 0.02	< 0.005	< 0.02	< 0.005	<0.015	< 0.025
Gripping Torque d=20 [NM]	220-250	450-500	no limit	450 HD 520	no limit	no limit
Vibration Damping	+++	+	+	++++	+	--
Balance Quality	++	++++	++	+++	+++	+
Rigidity	++	+++	++++	++	++	+++
Handling & Operability	special wrench	shrinking unit	wrench	allen key	MM key wrench	allen key
Balance Grade for Holder	G2.5 20,000 *balanced without nut	G2.5 25,000	G2.5 20,000	G2.5 18,000	G2.5 20,000	G2.5 20,000
Advantage	flexibility	precise, slim, balanced	clamping diversity	easiest to use, flexible with reducer	modular, easiest to use, flexibility, large overhang	safe clamping
Main Usage	general use	best for hsm	heavy milling large diameters	best for reaming & drilling	deep milling, lack of space	best for heavy milling with secured pull-out
Application	suit all application with light/medium cutting forces	for drilling, reaming and semi-finish & finish milling operations	milling	for drilling, reaming	milling	for milling and drilling with high feed
Maintenance & Care	collet inspection	need shrink unit	visual inspection	yearly pressure check /daily test for leaks	quick change	clamping screw inspection

Tailor-Made Tool Concepts

The advanced models set the performance benchmark in their class and include all the great features of the standard models — and then some. The cutting-edge vertical milling machines are designed for long, fully automated production runs and offer the ultimate performance in precision and repeatability.

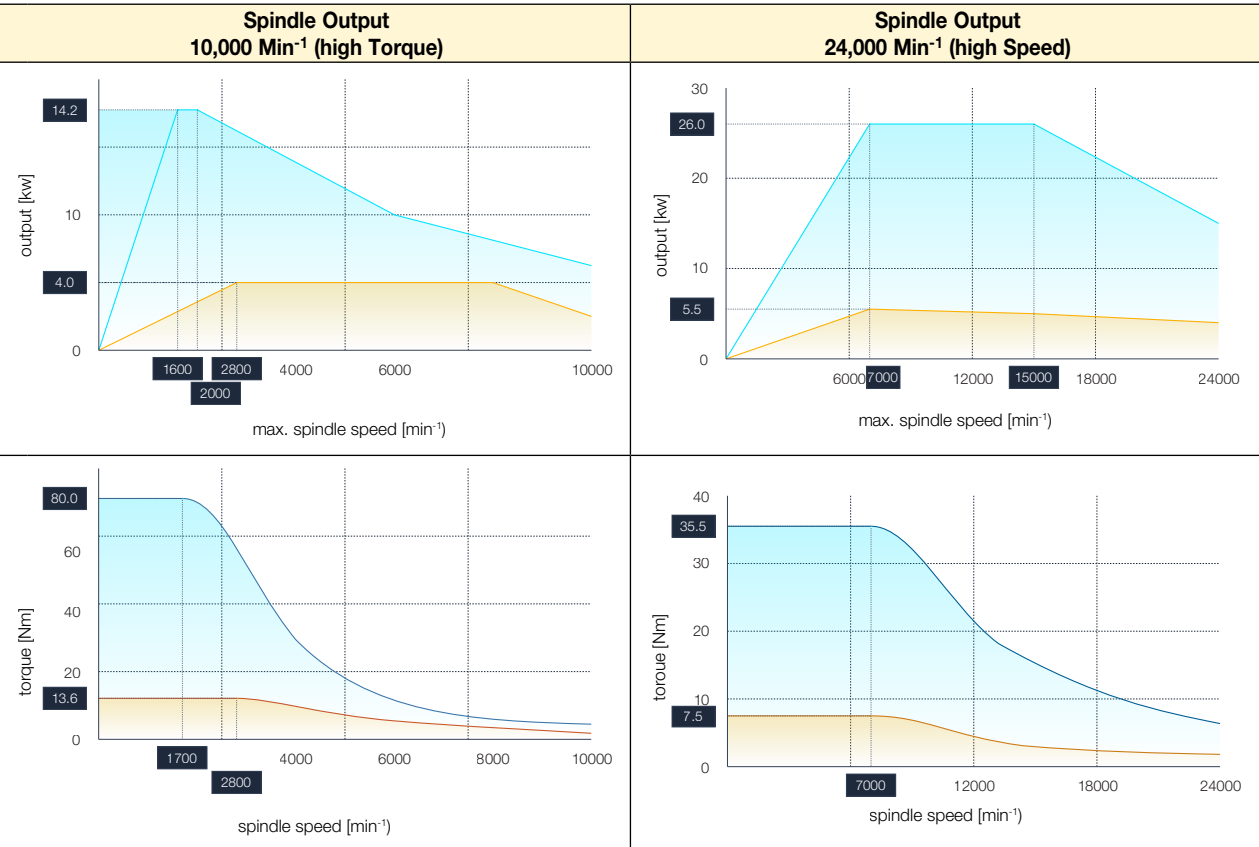


Tailor-made tool concepts for compact milling centers



Spindle Specifications

Interface BT30 with face contact
 Max. tool length 250 (190) (90)
 Max. tool diameter Ø80



- 1 min. rated power
- continuous rated power
- 1 min. rated torque
- continuous rated torque

Spindle Specification	Max. Speed	Application
High torque	10000 min ⁻¹	Heavy machining of steel parts (Max. 100 Nm)
High speed	24000 min ⁻¹	High speed machining with small diameter tools

CONTENTS

BT30 FACE CONTACT

4

BT30

15

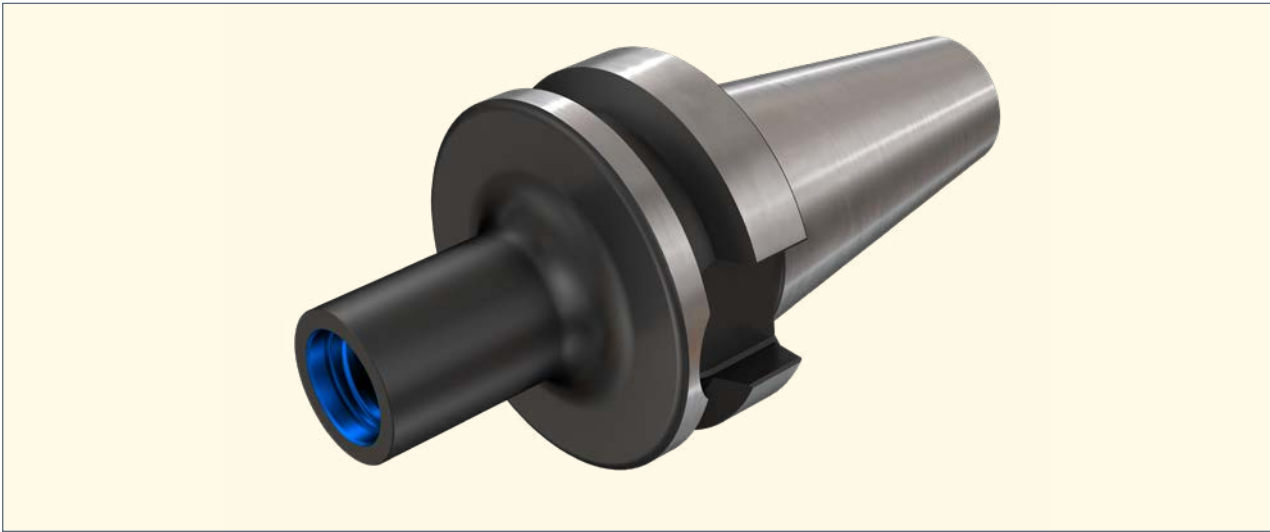
BT30 FACE CONTACT



ISCAR Toolholder

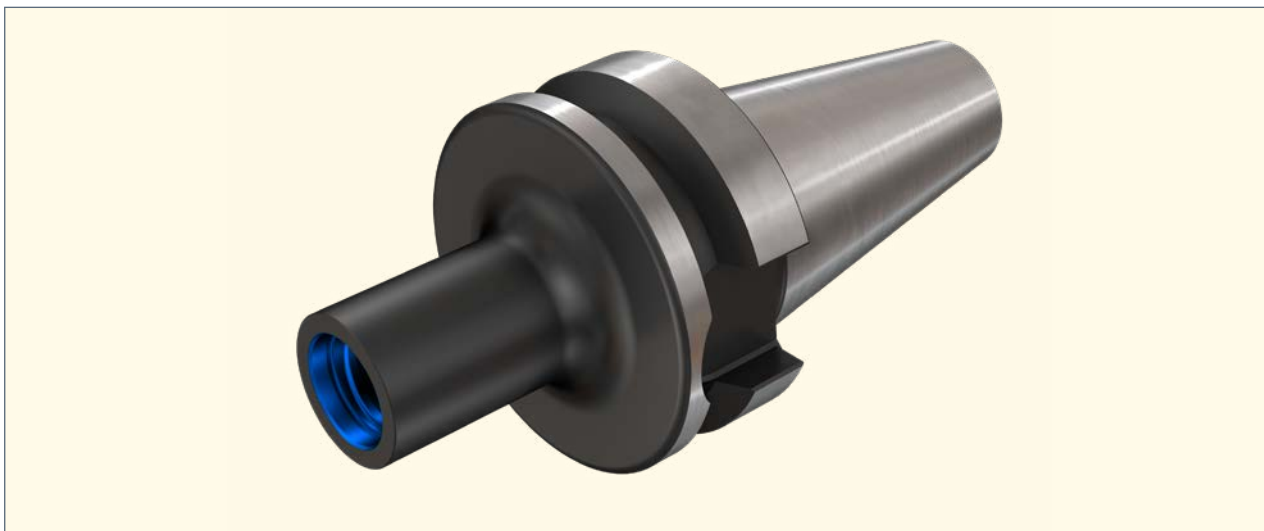
MM S-A-BT30FC

- BT30 with face contact
- Tool interface **MULTI-MASTER**



MULTI-MASTER Indexable Heads



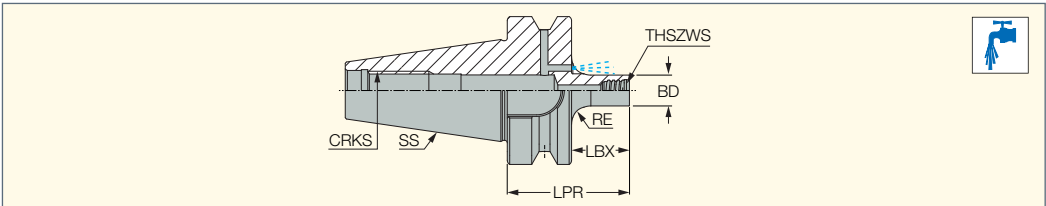


MULTI-MASTER Solid Heads



BT MAS
MULTI-MASTER

MM S-A-BT30FC
BT-FC Integral Tapered Shanks
Mount MULTI-MASTER
Milling Heads



M E T R I C								
Designation	SS	CRKS	THSZWS	BD	LPR	LBX	RE	CSP ⁽¹⁾
MM S-A-H040-BT30FC-T06-H	30	M12	T06	9.60	40.00	19.0	6.0	1
MM S-A-H045-BT30FC-T08-H	30	M12	T08	11.60	45.00	24.0	6.0	1
MM S-A-H050-BT30FC-T10-H	30	M12	T10	15.30	50.00	29.0	6.0	1
MM S-A-H050-BT30FC-T12-H	30	M12	T12	18.30	50.00	29.0	6.0	1
MM S-A-H050-BT30FC-T15-H	30	M12	T15	23.90	50.00	29.0	3.0	1

- Do not apply lubricant to the threaded connection
- ⁽¹⁾ 0 - Without coolant supply, 1 - With coolant supply

Spare Parts

Designation	
MM S-A-BT30FC	SR M3X4 DIN913



ISCAR Toolholder

BT30 FC ODP (FLEX-FIT)

- BT30 with face contact
- Tool interface **FLEX-FIT**

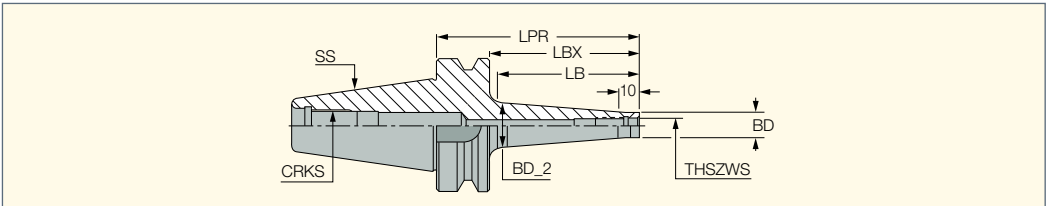



FLEX-FIT Indexable Heads



BT MAS FLEXFIT

BT30 FC ODP (FLEX-FIT)
 FLEX-FIT Threaded Adaptation
 with Integral BT FC MAS-403
 tapered Shanks (AD type)



M E T R I C											
Designation	SS	THSZWS	BD	BD_2	LPR	LBX	LB	CRKS	DCP ⁽¹⁾	CSP ⁽²⁾	
BT30 FC ODP 6X40-H	30	M06	9.80	9.50	40.00	19.0	-	M12	0	1	0.46
BT30 FC ODP 8X45-H	30	M08	13.00	12.60	45.00	24.0	-	M12	0	1	0.46
BT30 FC ODP10X50-H	30	M10	18.00	17.60	50.00	29.0	-	M12	0	1	0.46
BT30 FC ODP12X45-H	30	M12	21.00	24.00	45.00	24.0	19.00	M12	0	1	0.46
BT30 FC ODP16X66-H	30	M16	29.00	28.60	66.00	45.0	-	M12	0	1	0.46

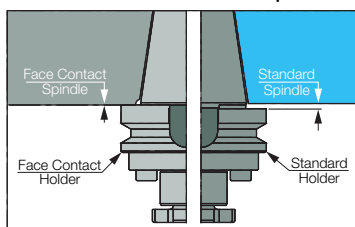
• The coolant passages in the B-type flange are blocked with screws which can be removed when required.

⁽¹⁾ 1 - Slot for data chip, 0 - Without slot for data chip

⁽²⁾ 0 - Without coolant supply, 1 - With coolant supply



BT-FC Face Contact Taper



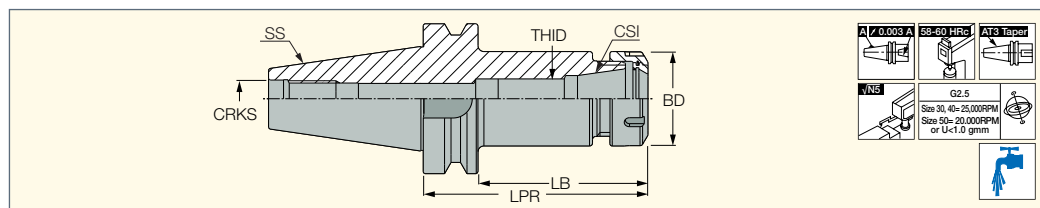
Main Features & Benefits

- High rigidity - less vibrations which result in:
Improved cutting tool life
Better surface finish
Machining at higher feeds and speeds during heavy load or long projections
- Improved shoulder accuracy due to lower tool bending
No displacement on the Z axis
Face contact eliminates axial movement caused by centrifugal forces at high RPM or heat changes
- Increases the life of the machine spindle by prevention of fretting corrosion
Improves accuracy on fine boring applications by reducing the error of runout due to Automatic Tool Change (ATC)

BT MAS

BT-FC-ER

ER Collet Chucks with BT
MAS-403 Face Contact
AD Tapered Shanks



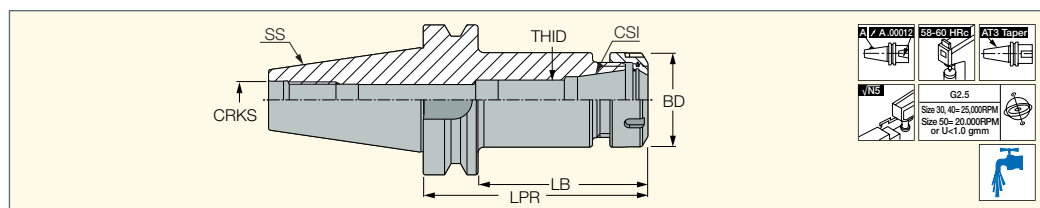
M E T R I C										
Designation	SS	CSI	BD	LPR	LB	THID	CRKS	DCP ⁽¹⁾	kg	
BT30 FC ER16X70	30	ER16	28.00	70.00	48.0	M10	M12	0	0.60	NUT ER16 TOP
BT30 FC ER16X100	30	ER16	28.00	100.00	79.0	M10	M12	0	0.61	NUT ER16 TOP
BT30 FC ER20X70	30	ER20	34.00	70.00	48.0	M12	M12	0	0.51	NUT ER20 TOP
BT30 FC ER25X60	30	ER25	42.00	60.00	38.0	M16	M12	0	0.47	NUT ER25 TOP
BT30 FC ER32X60	30	ER32	50.00	60.00	38.0	M18	M12	0	0.46	NUT ER32 TOP

⁽¹⁾ 1 - Slot for data chip, 0 - Without slot for data chip

BT MAS

BT-FC-ER

ER Collet Chucks with BT
MAS-403 Face Contact
AD Tapered Shanks

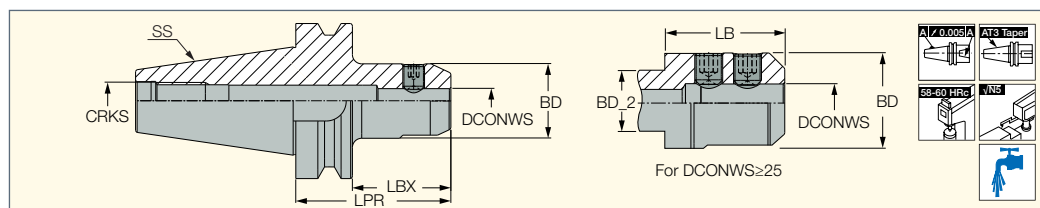


I N C H										
Designation	SS	CSI	BD	LPR	LB	THID	CRKS	DCP ⁽¹⁾	Lbs	
BT30 FC ER16X70	30	ER16	1.102	2.756	1.890	M10	M12	0	1.33	NUT ER16 TOP
BT30 FC ER16X100	30	ER16	1.102	3.937	3.110	M10	M12	0	1.35	NUT ER16 TOP
BT30 FC ER20X70	30	ER20	1.339	2.756	1.890	M12	M12	0	1.12	NUT ER20 TOP
BT30 FC ER25X60	30	ER25	1.654	2.362	1.496	M16	M12	0	1.04	NUT ER25 TOP
BT30 FC ER32X60	30	ER32	1.968	2.362	1.496	M18	M12	0	1.01	NUT ER32 TOP

⁽¹⁾ 1 - Slot for data chip, 0 - Without slot for data chip

BT MAS**BT-FC-EM**

DIN1835 Form B Endmills
with BT MAS-403 Face
Contact AD Tapered Shanks

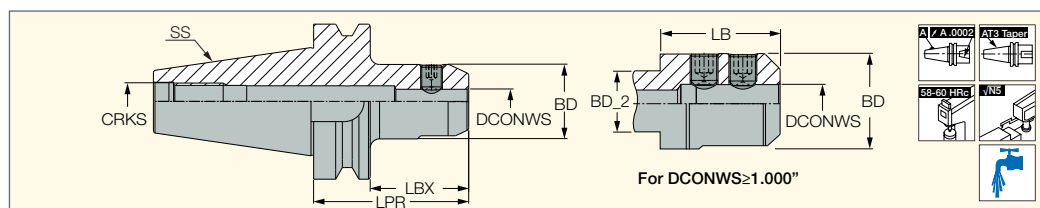
**M E T R I C**

Designation	SS	DCONWS	BD	BD_2	LPR	LBX	LB	CRKS	DCP ⁽¹⁾	kg
BT30 FC EM12X60	30	12.00	42.00	-	60.00	38.0	-	M12	0	0.73
BT30 FC EM16X60	30	16.00	45.90	-	60.00	38.0	-	M12	0	0.80
BT30 FC EM20X80	30	20.00	52.00	44.40	80.00	58.0	48.00	M12	0	1.04

⁽¹⁾ 1 - Slot for data chip, 0 - Without slot for data chip

BT MAS**BT-FC-EM**

DIN1835 Form B Endmills
with BT MAS-403 Face
Contact AD Tapered Shanks

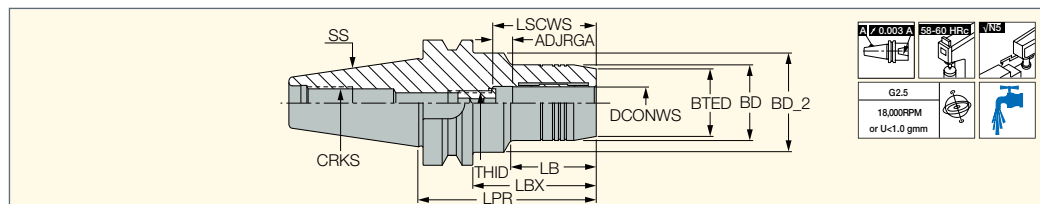
**I N C H**

Designation	SS	DCONWS	BD	BD_2	LPR	LBX	LB	CRKS	DCP ⁽¹⁾	Lbs
BT30 FC EM1/2X2.350	30	.500	1.752	-	2.350	1.483	-	M12	0	1.61
BT30 FC EM5/8X2.350	30	.625	1.752	-	2.350	1.483	-	M12	0	1.87
BT30 FC EM3/4X2.350	30	.750	1.752	-	2.350	1.483	-	M12	0	1.65
BT30 FC EM1X4.000	30	1.000	2.560	1.784	4.000	3.134	2.740	M12	0	2.09

⁽¹⁾ 1 - Slot for data chip, 0 - Without slot for data chip

BT MAS HYDROFIT**BT-FC-HYDRO**

Hydraulic Chucks with MAS-BT
Face Contact Form AD
Shanks, for Semi-Finish
and Finish Applications

**M E T R I C**

Designation	SS	DCONWS	LPR	BTED	BD	BD_2	LBX	LB	ADJRGA	LSCWS	THID	CRKS	DCP ⁽¹⁾	kg
BT30 FC HYDRO 6X60	30	6.00	60.00	23.00	26.00	-	38.0	33.00	10.00	37.0	M5	M12	0	0.50
BT30 FC HYDRO 8X64	30	8.00	64.00	25.00	28.00	45.00	42.0	29.00	6.00	37.0	M6	M12	0	0.60
BT30 FC HYDRO 10X64	30	10.00	64.00	27.00	30.00	-	42.0	37.00	10.00	42.0	M8x1	M12	0	0.50
BT30 FC HYDRO 12X72	30	12.00	72.00	29.00	32.00	-	50.0	43.00	10.00	50.0	M10x1	M12	0	0.60
BT30 FC HYDRO 14X70	30	14.00	70.00	30.00	34.00	-	48.0	33.00	10.00	48.0	M8x1	M12	0	0.70
BT30 FC HYDRO 16X90	30	16.00	90.00	34.00	38.00	-	68.0	52.00	10.00	52.0	M10x1	M12	0	0.90
BT30 FC HYDRO 18X90	30	18.00	90.00	36.00	40.00	-	68.0	52.00	10.00	52.0	M10x1	M12	0	0.90
BT30 FC HYDRO 20X90	30	20.00	90.00	38.00	42.00	42.00	68.0	-	10.00	52.0	M10x1	M12	0	0.90

• Chucking forces will be reduced by 25% if reduction sleeves are used • Reduction sleeves are available for 12, and 20 mm bore diameters (order separately) • Clamping wrench (wrench HYDRO HEX 4) and test bar to be ordered separately

⁽¹⁾ 1 - Slot for data chip, 0 - Without slot for data chip

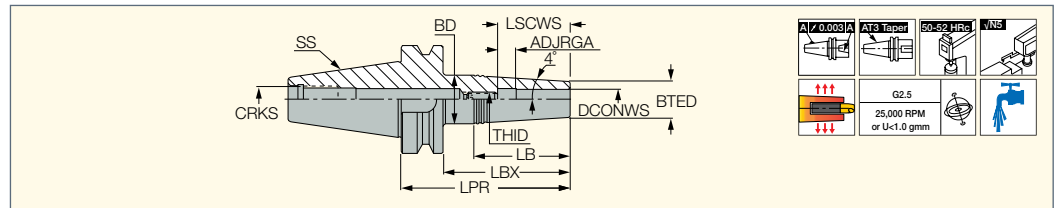
Spare Parts

Designation	
BT-FC-HYDRO	HYDRO CLAMP SCREW M8X14

BT MAS SHRINKIN

BT-FC-SRK

Thermal Shrink Chucks with
BT MAS-403 Face Contact
AD Tapered Shanks



M E T R I C

Designation	SS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	THID	CRKS	DCP ⁽¹⁾	kg
BT30 FC SRK 3X50	30	3.00	9.93	15.00	72.00	50.0	36.30	0.00	10.0	M6	M12	0	0.32
BT30 FC SRK 4X50	30	4.00	9.93	15.00	72.00	50.0	36.30	0.00	12.0	M6	M12	0	0.46
BT30 FC SRK 6X50	30	6.00	10.88	16.00	72.00	50.0	36.60	0.00	18.0	M8	M12	0	0.52
BT30 FC SRK 8X50	30	8.00	13.95	20.00	72.00	50.0	43.30	0.00	25.0	M10	M12	0	0.48
BT30 FC SRK12X50	30	12.00	20.03	26.00	72.00	50.0	42.70	10.00	42.0	M10	M12	0	0.53

• Use only inductive heating device for SRKIN holders • For through tool coolant, preset screw must be removed

⁽¹⁾ 1 - Slot for data chip, 0 - Without slot for data chip

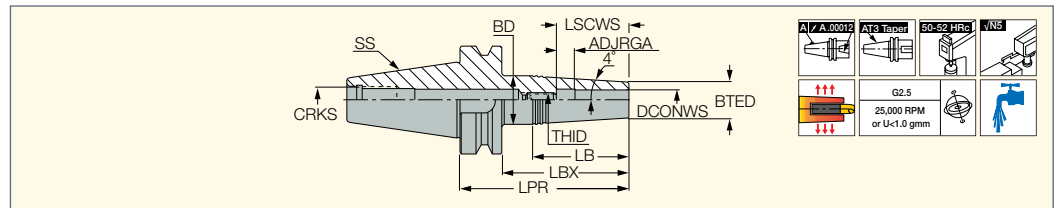
Spare Parts

Designation		
BT30 FC SRK 3X50	SR M6X10 DIN916	
BT30 FC SRK 4X50	SR M6X10 DIN916	
BT30 FC SRK 6X50	SR M8X12 DIN916	
BT30 FC SRK 8X50	SR M10X10 DIN913	
BT30 FC SRK12X50		PRESET M10X18B

BT MAS SHRINKIN

BT-FC-SRK

Thermal Shrink Chucks with
BT MAS-403 Face Contact
AD Tapered Shanks



I N C H

Designation	SS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	THID	CRKS	DCP ⁽¹⁾	Lbs
BT30 FC SRK 1/8X2.000	30	.1250	.394	.5910	2.827	2.000	1.409	-	.6300	M6	M12	0	0
BT30 FC SRK 1/8X3.000	30	.1250	.394	.7480	3.827	3.000	2.535	-	.6300	M6	M12	0	0
BT30 FC SRK 3/16X2.000	30	.1880	.394	.5910	2.827	2.000	1.410	-	.8270	M6	M12	0	0
BT30 FC SRK 3/16X3.000	30	.1880	.394	.7480	3.827	3.000	2.535	-	.8270	M6	M12	0	0
BT30 FC SRK 1/4X2.000	30	.2500	.433	.6300	2.827	2.000	1.410	.394	1.1020	M5	M12	0	0
BT30 FC SRK 1/4X3.000	30	.2500	.433	.7870	3.827	3.000	2.535	.394	1.1020	M5	M12	0	0
BT30 FC SRK 5/16X2.000	30	.3130	.551	.7870	2.827	2.000	1.689	.394	1.3780	M6	M12	0	0
BT30 FC SRK 5/16X3.000	30	.3130	.551	.9060	3.827	3.000	2.535	.394	1.3780	M6	M12	0	0
BT30 FC SRK 3/8X2.000	30	.3750	.630	.8660	2.827	2.000	1.689	.394	1.5750	M8	M12	0	0
BT30 FC SRK 3/8X3.000	30	.3750	.630	.9650	3.827	3.000	2.394	.394	1.5750	M8	M12	0	0
BT30 FC SRK 1/2X2.000	30	.5000	.787	1.0240	2.827	2.000	1.689	.394	1.6540	M10	M12	0	0
BT30 FC SRK 1/2X3.000	30	.5000	.787	1.1020	3.827	3.000	2.252	.394	1.6540	M10	M12	0	0

⁽¹⁾ 1 - Slot for data chip, 0 - Without slot for data chip

Spare Parts

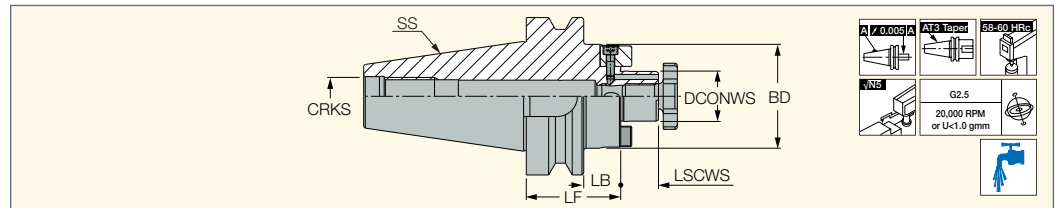
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BT30 FC SRK 1/8X2.000	SR M6X10 DIN916
BT30 FC SRK 1/8X3.000	SR M6X10 DIN916
BT30 FC SRK 3/16X2.000	SR M6X10 DIN916
BT30 FC SRK 3/16X3.000	SR M6X10 DIN916
BT30 FC SRK 1/4X2.000	SR M5X20 DIN913
BT30 FC SRK 1/2X3.000	SR M10X18 DIN913



BT MAS

BT-FC-SEM-C

Shell Endmill Holders with
Coolant Holes and BT
MAS-403 Face Contact
AD Tapered Shanks



M E T R I C									
Designation	SS	DCONWS	BD	LF	LB	LSCWS	CRKS	DCP ⁽¹⁾	kg
BT30 FC SEM16X50C	30	16.00	38.00	50.00	28.0	17.00	M12	0	0.62
BT30 FC SEM22X50C	30	22.00	47.00	50.00	28.0	19.00	M12	0	0.77
BT30 FC SEM27X50C	30	27.00	58.00	50.00	28.0	21.00	M12	0	0.88

⁽¹⁾ 1 - Slot for data chip, 0 - Without slot for data chip

Spare Parts

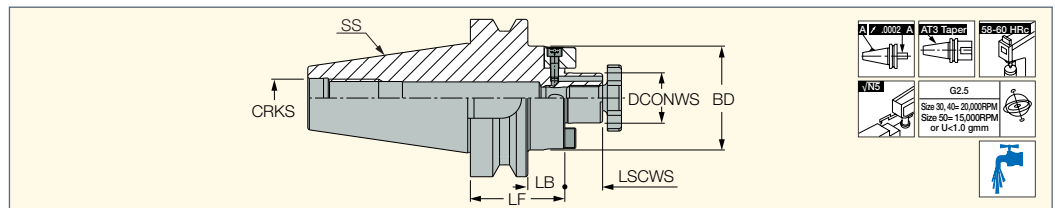
Designation				
BT30 FC SEM16X50C	M8 CLAMP SCREW SEM16	DR.DOG 8S	SR M3X10DIN912	WRENCH M8 SEMC16"
BT30 FC SEM22X50C	M10 CLAMP SCREW SEM22	DR.DOG 10S	SR M4X10DIN912	WRENCH M10 SEMC 22"
BT30 FC SEM27X50C	M12 CLAMP SCREW SEM27	DR.DOG 12S	SR M5X14DIN912	WRENCH M12 SEMC 27"

* Optional, to be ordered separately

BT MAS

BT-FC-SEM-C

Shell Endmill Holders with
Coolant Holes and BT
MAS-403 Face Contact
AD Tapered Shanks



I N C H									
Designation	SS	DCONWS	BD	LF	LB	LSCWS	CRKS	DCP ⁽¹⁾	
BT30 FC SEM1/2X2.000C	30	.500	1.378	2.000	1.134	.570	M12	0	
BT30 FC SEM3/4X2.000C	30	.750	1.771	2.000	1.134	.670	M12	0	
BT30 FC SEM1.0X2.000C	30	1.000	2.165	2.000	1.134	.670	M12	0	

⁽¹⁾ 1 - Slot for data chip, 0 - Without slot for data chip

Spare Parts

Designation			
BT30 FC SEM1/2X2.000C	SCREW 1/4-28 SEM 1/2	DR.DOG 1/4"S	SR UNF 4X5/16
BT30 FC SEM3/4X2.000C	SCREW 3/8-24 SEM 3/4"	DR.DOG 3/4"S	SR UNF 5-44X3/8"
BT30 FC SEM1.0X2.000C	SCREW 1/2-20X7/8 SEM 1"	DR.DOG 1"S	SR UNF 8-36X1/2

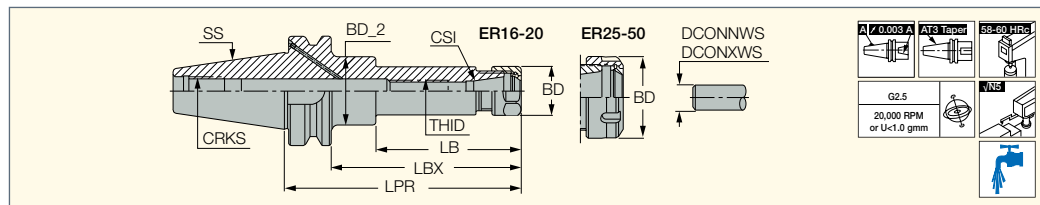


BT30



BT MAS**BT-ER**

DIN6499 ER Collet Chucks
with BT MAS-403 ADB
Tapered Shanks

**M E T R I C**

Designation	SS	CSI	DCONNWS ⁽²⁾	DCONXWS ⁽³⁾	LPR	LBX	LB	BD	BD_2	THID	CRKS	DCP ⁽⁴⁾	kg
BT30 ER16X 70 ⁽¹⁾	30	ER16	0.5	10.0	70.00	48.0	-	28.00	-	M10	M12	0	0.47
BT30 ER16X100 ⁽¹⁾	30	ER16	0.5	10.0	100.00	78.0	-	28.00	-	M10	M12	0	0.61
BT30 ER20X 70 ⁽¹⁾	30	ER20	1.0	13.0	70.00	48.0	-	34.00	-	M12	M12	0	0.51
BT30 ER25X 60 ⁽¹⁾	30	ER25	1.0	16.0	60.00	38.0	-	42.00	-	M16	M12	0	0.46
BT30 ER32X 60 ⁽¹⁾	30	ER32	2.0	20.0	60.00	38.0	-	50.00	-	M18X1.5	M12	0	0.42





⁽¹⁾ AD TYPE

⁽²⁾ Minimum diameter

⁽³⁾ Maximum diameter

⁽⁴⁾ 1 - Slot for data chip, 0 - Without slot for data chip

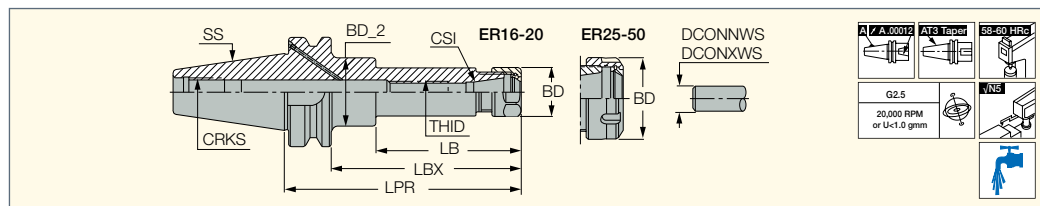
Spare Parts

Designation				
BT30 ER16X 70	NUT ER16 TOP	WRENCH ER16*	PRESET ER-JET 10X1.5*	
BT30 ER16X100	NUT ER16 TOP	WRENCH ER16*	PRESET ER-JET 10X1.5*	
BT30 ER20X 70	NUT ER20 TOP	WRENCH ER20*	PRESET ER-JET 12X1.75*	PRESET ER-JET 12X1.75L*
BT30 ER25X 60	NUT ER25 TOP	WRENCH ER25*	PRESET ER-JET 16X2*	PRESET ER-JET 16X2L*
BT30 ER32X 60	NUT ER32 TOP	WRENCH ER32*	PRESET ER-JET 18X1.5*	PRESET ER-JET 18X1.5L*

* Optional, to be ordered separately

BT MAS**BT-ER**

DIN6499 ER Collet Chucks
with BT MAS-403 ADB
Tapered Shanks

**I N C H**

Designation	SS	CSI	DCONNWS ⁽²⁾	DCONXWS ⁽³⁾	LPR	LBX	LB	BD	BD_2	THID	CRKS	DCP ⁽⁴⁾	Lbs
BT30 ER16X 70 ⁽¹⁾	30	ER16	.020	.394	2.756	1.890	-	1.102	-	M10	M12	0	1.04
BT30 ER16X100 ⁽¹⁾	30	ER16	.020	.394	3.937	3.071	-	1.102	-	M10	M12	0	1.34
BT30 ER20X 70 ⁽¹⁾	30	ER20	.039	.512	2.756	1.890	-	1.339	-	M12	M12	0	1.12
BT30 ER25X 60 ⁽¹⁾	30	ER25	.039	.630	2.362	1.496	-	1.654	-	M16	M12	0	1.02
BT30 ER32X 60 ⁽¹⁾	30	ER32	.079	.787	2.362	1.496	-	1.968	-	M18X1.5	M12	0	.93





⁽¹⁾ AD TYPE

⁽²⁾ Minimum diameter

⁽³⁾ Maximum diameter

⁽⁴⁾ 1 - Slot for data chip, 0 - Without slot for data chip

Spare Parts

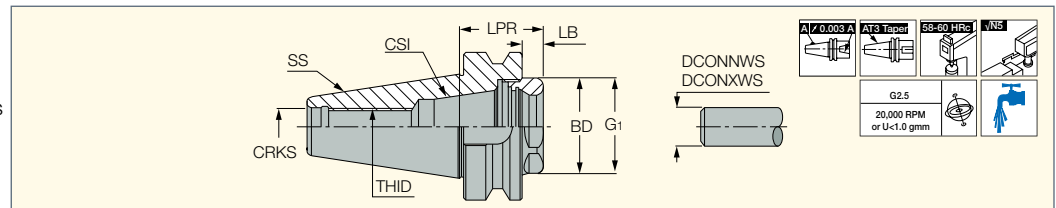
Designation				
BT30 ER16X 70	NUT ER16 TOP	WRENCH ER16*	PRESET ER-JET 10X1.5*	
BT30 ER16X100	NUT ER16 TOP	WRENCH ER16*	PRESET ER-JET 10X1.5*	
BT30 ER20X 70	NUT ER20 TOP	WRENCH ER20*	PRESET ER-JET 12X1.75*	PRESET ER-JET 12X1.75L*
BT30 ER25X 60	NUT ER25 TOP	WRENCH ER25*	PRESET ER-JET 16X2*	PRESET ER-JET 16X2L*
BT30 ER32X 60	NUT ER32 TOP	WRENCH ER32*	PRESET ER-JET 18X1.5*	PRESET ER-JET 18X1.5L*

* Optional, to be ordered separately

BT MAS SHORT^{IN}

BT-ER-SHORT

Short ER Collet Chucks with
BT MAS-403 AD Tapered Shanks



M E T R I C

Designation	SS	CSI	DCONNWS ⁽¹⁾	DCONXWS ⁽²⁾	LPR	LB	BD	THID	CRKS	G1	DCP ⁽³⁾	kg
BT30 ER20 SHORT	30	ER20	1.0	13.0	23.70	5.2	25.00	M12	M12	M25X1.5	0	0.30
BT40 ER32 SHORT	40	ER32	2.0	20.0	36.50	6.0	40.00	M16	M16	M40X1.5	0	0.74
BT40 ER40 SHORT	40	ER40	3.0	26.0	43.00	6.0	50.00	M16	M16	M50X1.5	0	0.78
BT50 ER32 SHORT	50	ER32	2.0	20.0	44.00	6.0	40.00	M22X1.5	M24	M40X1.5	1	3.36
BT50 ER40 SHORT	50	ER40	3.0	26.0	44.00	6.0	50.00	M28X1.5	M24	M50X1.5	0	3.09

• B is the designation for coolant through flange.

⁽¹⁾ Minimum diameter

⁽²⁾ Maximum diameter

⁽³⁾ 1 - Slot for data chip, 0 - Without slot for data chip

Spare Parts

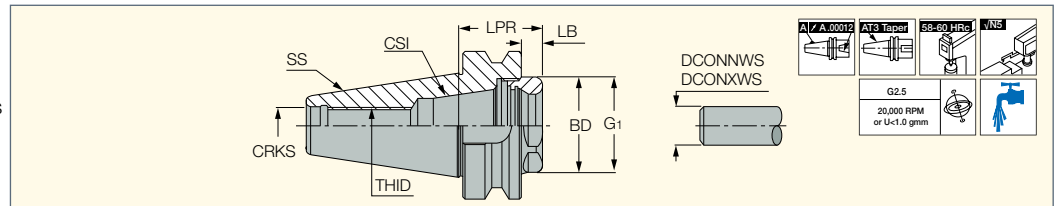
Designation				
BT30 ER20 SHORT	NUT ER20 SHORT	WRENCH ER20 SHORT RING22*	PRESET ER-JET 12X1.75*	PRESET ER-JET 12X1.75L*
BT40 ER32 SHORT	NUT ER32 SHORT	WRENCH ER32 SHORT*	PRESET ER-JET 16X2*	PRESET ER-JET 16X2L*
BT40 ER40 SHORT	NUT ER40 SHORT	WRENCH ER40 SHORT*	PRESET ER-JET 16X2*	PRESET ER-JET 16X2L*
BT50 ER32 SHORT	NUT ER32 SHORT	WRENCH ER32 SHORT*	PRESET ER-JET 22X1.5*	PRESET ER-JET 22X1.5L*
BT50 ER40 SHORT	NUT ER40 SHORT	WRENCH ER40 SHORT*	PRESET ER-JET 28X1.5*	

* Optional, to be ordered separately

BT MAS SHORT^{IN}

BT-ER-SHORT

Short ER Collet Chucks with
BT MAS-403 AD Tapered Shanks



I N C H

Designation	SS	CSI	DCONNWS ⁽¹⁾	DCONXWS ⁽²⁾	LPR	LB	BD	THID	CRKS	G1	DCP ⁽³⁾	Lbs
BT30 ER20 SHORT	30	ER20	.039	.512	.933	.205	.984	M12	M12	M25X1.5	0	.65
BT40 ER32 SHORT	40	ER32	.079	.787	1.437	.236	1.575	M16	M16	M40X1.5	0	1.63
BT40 ER40 SHORT	40	ER40	.118	1.024	1.693	.236	1.968	M16	M16	M50X1.5	0	1.72
BT50 ER32 SHORT	50	ER32	.079	.787	1.732	.236	1.575	M22X1.5	M24	M40X1.5	1	7.41
BT50 ER40 SHORT	50	ER40	.118	1.024	1.732	.236	1.968	M28X1.5	M24	M50X1.5	0	6.81

• B is the designation for coolant through flange.

⁽¹⁾ Minimum diameter

⁽²⁾ Maximum diameter

⁽³⁾ 1 - Slot for data chip, 0 - Without slot for data chip

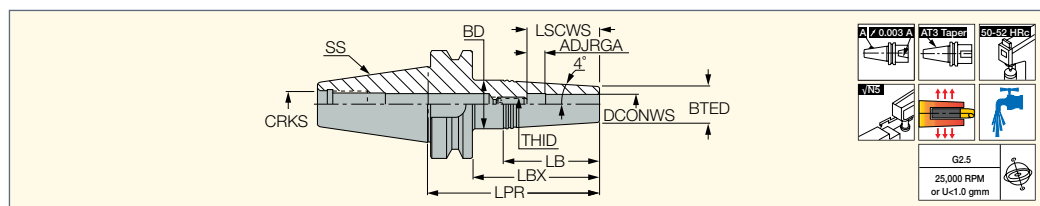
Spare Parts

Designation				
BT30 ER20 SHORT	NUT ER20 SHORT	WRENCH ER20 SHORT RING22*	PRESET ER-JET 12X1.75*	PRESET ER-JET 12X1.75L*
BT40 ER32 SHORT	NUT ER32 SHORT	WRENCH ER32 SHORT*	PRESET ER-JET 16X2*	PRESET ER-JET 16X2L*
BT40 ER40 SHORT	NUT ER40 SHORT	WRENCH ER40 SHORT*	PRESET ER-JET 16X2*	PRESET ER-JET 16X2L*
BT50 ER32 SHORT	NUT ER32 SHORT	WRENCH ER32 SHORT*	PRESET ER-JET 22X1.5*	PRESET ER-JET 22X1.5L*
BT50 ER40 SHORT	NUT ER40 SHORT	WRENCH ER40 SHORT*	PRESET ER-JET 28X1.5*	

* Optional, to be ordered separately

BT MAS SHRINK^{IN}**BT-SRK**

Thermal Shrink Chucks
with BT MAS-403 Tapered
Shanks for Carbide Tools

**M E T R I C**



Designation	SS	DCONWS	BTED	BD	LPR	LBX	LB	ADJRGA	LSCWS	THID	Key ⁽¹⁾	CRKS	DCP ⁽²⁾	kg
BT30 SRK 3X50	30	3.00	10.00	15.00	72.00	50.0	36.30	6.00	16.0	M6	3.00	M12	0	0.43
BT30 SRK 5X50	30	5.00	10.00	15.00	72.00	50.0	36.30	6.00	21.0	M6	3.00	M12	0	0.42
BT30 SRK 6X50	30	6.00	11.00	16.00	72.00	50.0	36.60	6.00	24.0	M8	4.00	M12	0	0.43
BT30 SRK 8X50	30	8.00	14.00	20.00	72.00	50.0	43.30	6.00	31.0	M10	5.00	M12	0	0.45
BT30 SRK 10X50	30	10.00	16.00	22.00	72.00	50.0	42.80	10.00	40.0	M8	4.00	M12	0	0.47
BT30 SRK 12X50	30	12.00	20.00	26.00	72.00	50.0	42.70	10.00	42.0	M10	5.00	M12	0	0.51

• Preset screw without coolant hole • For through tool coolant, preset screw must be removed

⁽¹⁾ Hex key size for the rear stopper screw

⁽²⁾ 1 - Slot for data chip, 0 - Without slot for data chip

Spare Parts

Designation		
BT30 SRK 3X50	SR M6X10 DIN916	
BT30 SRK 5X50	SR M6X10 DIN916	
BT30 SRK 6X50	SR M8X12 DIN916	
BT30 SRK 8X50	SR M10X10 DIN913	
BT30 SRK 10X50		PRESET M8X20B
BT30 SRK 12X50		PRESET M10X18B



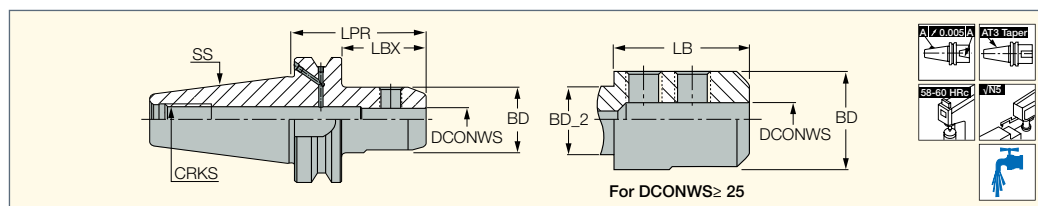
BT MAS**BT-EM (DIN 1835 Form B)**

DIN6359 / DIN 1835 Form B

Weldon Endmill Holders with

BT MAS-403 ADB

Tapered Shanks



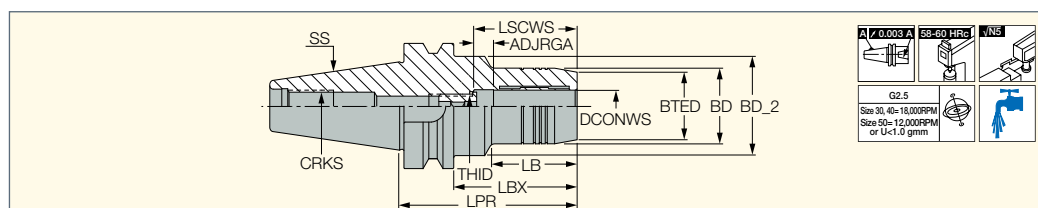
M E T R I C											
Designation	SS	DCONWS	LPR	BD	BD_2	LBX	LB	CRKS	DCP ⁽²⁾		
BT30 EM 6X 50 ⁽¹⁾	30	6.00	50.00	25.00	-	28.0	-	M12	0	0.46	SR M6X10 DIN1835B
BT30 EM 8X 60 ⁽¹⁾	30	8.00	60.00	28.00	-	38.0	-	M12	0	0.52	SR M8X10 DIN1835-B
BT30 EM 10X 60 ⁽¹⁾	30	10.00	60.00	35.00	-	38.0	-	M12	0	0.61	SR M10X12 DIN1835-B
BT30 EM 12X 60 ⁽¹⁾	30	12.00	60.00	42.00	-	38.0	-	M12	0	0.73	SR M12X16 DIN1835-B
BT30 EM 16X 60 ⁽¹⁾	30	16.00	60.00	46.00	-	38.0	-	M12	0	0.79	SR M14X16 DIN1835-B
BT30 EM 20X 80 ⁽¹⁾	30	20.00	80.00	52.00	-	58.0	-	M12	0	1.04	SR M16X16 DIN1835-B

⁽¹⁾ Type AD⁽²⁾ 1 - Slot for data chip, 0 - Without slot for data chip**BT MAS HYDROFIT**
HOLDING LINE**BT-HYDRO**

Hydraulic Chucks with MAS-BT

Form AD Shanks, for Semi-Finish

And Finish Applications



M E T R I C														
Designation	SS	DCONWS	BTED	BD	BD_2	LPR	LBX	LB	ADJRGA	LSCWS	THID	CRKS	DCP ⁽¹⁾	
BT30 HYDRO 8X64	30	8.00	25.00	28.00	45.00	64.00	42.0	29.00	10.00	37.0	M6	M12	0	0.68
BT30 HYDRO 10X64	30	10.00	27.00	30.00	-	64.00	42.0	-	10.00	42.0	M8X1	M12	0	0.59
BT30 HYDRO 12X72	30	12.00	29.00	32.00	-	72.00	50.0	-	10.00	47.0	M10X1	M12	0	0.70
BT30 HYDRO 14X70	30	14.00	30.00	34.00	-	70.00	48.0	-	10.00	47.0	M10X1	M12	0	0.69
BT30 HYDRO 16X90	30	16.00	34.00	38.00	50.00	90.00	63.0	47.50	10.00	52.0	M12X1	M12	0	1.00
BT30 HYDRO 18X90	30	18.00	36.00	40.00	42.00	90.00	68.0	52.00	10.00	52.0	M12X1	M12	0	0.97
BT30 HYDRO 20X90	30	20.00	38.00	42.00	-	90.00	68.0	-	10.00	52.0	M12X1	M12	0	0.56

• Chucking forces will be reduced by 25% if reduction sleeves are used. • Reduction sleeves are available for 12, 20, 25 and 32 mm bore diameters (order separately).

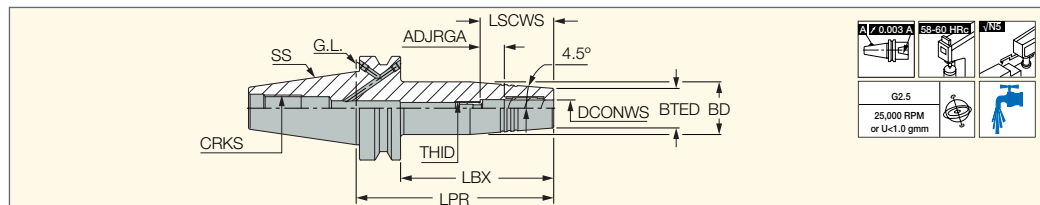
• The coolant passages in the B type flange are blocked with screws which can be removed when required.

• Clamping wrench (wrench HYDRO HEX 4) and test bar to be ordered separately.

⁽¹⁾ 1 - Slot for data chip, 0 - Without slot for data chip**Spare Parts**

Designation			
BT30 HYDRO 8X64	HYDRO CLAMP SCREW M8X14	WRENCH HYDRO HEX 4*	TEST BAR HYDRO 8*
BT30 HYDRO 10X64	HYDRO CLAMP SCREW M8X14	WRENCH HYDRO HEX 4*	TEST BAR HYDRO 10*
BT30 HYDRO 12X72	HYDRO CLAMP SCREW M8X14	WRENCH HYDRO HEX 4*	TEST BAR HYDRO 12*
BT30 HYDRO 14X70	HYDRO CLAMP SCREW M8X14	WRENCH HYDRO HEX 4*	TEST BAR HYDRO 14*
BT30 HYDRO 16X90	HYDRO CLAMP SCREW M8X14	WRENCH HYDRO HEX 4*	TEST BAR HYDRO 16*
BT30 HYDRO 18X90	HYDRO CLAMP SCREW M8X14	WRENCH HYDRO HEX 4*	TEST BAR HYDRO 18*
BT30 HYDRO 20X90	HYDRO CLAMP SCREW M8X14	WRENCH HYDRO HEX 4*	TEST BAR HYDRO 20*

* Optional, to be ordered separately

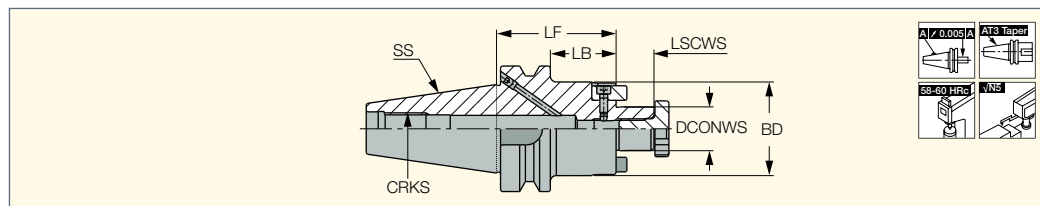
BT MAS HYDROFIT
SF LINE**BT-HYDRO SF**Slim Design, Hydraulic Chucks
with BT Form ADB Shanks**M E T R I C**

Designation	SS	DCONWS	BTED	BD	LPR	LBX	ADJRGA	LSCWS	THID	CRKS	DCP ⁽¹⁾	kg
BT30 HYDRO 6X80 SF	30	6.00	21.00	27.00	80.00	58.00	10.00	36.00	M5	M12	0	0.64
BT30 HYDRO 8X80 SF	30	8.00	21.00	27.00	80.00	58.00	10.00	36.00	M6	M12	0	0.64
BT30 HYDRO 10X80 SF	30	10.00	24.00	32.00	80.00	58.00	10.00	43.20	M8x1	M12	0	0.68
BT30 HYDRO 12X80 SF	30	12.00	24.00	32.00	80.00	58.00	10.00	47.00	M10x1	M12	0	0.67
BT30 HYDRO 16X80 SF	30	16.00	27.00	34.00	80.00	58.00	10.00	50.00	M12x1	M12	0	0.69
BT30 HYDRO 20X90 SF	30	20.00	33.00	42.00	90.00	68.00	10.00	52.00	M16x1	M12	0	0.88

⁽¹⁾ 1 - Slot for data chip, 0 - Without slot for data chip**Spare Parts**

Designation	
BT-HYDRO SF	ALLEN KEY SW5X100*

* Optional, to be ordered separately

BT MAS**BT-SEM**ISO 3937 Shell Mill Holders
with BT MAS-403 ADB
Tapered Shanks**M E T R I C**

Designation	SS	DCONWS	LF	BD	LSCWS	LB	CRKS	DCP ⁽¹⁾	kg
BT30 SEM 16X50	30	16.00	50.00	38.00	17.00	28.0	M12	0	0.62
BT30 SEM 22X50	30	22.00	50.00	47.00	19.00	28.0	M12	0	0.77
BT30 SEM 27X50	30	27.00	50.00	58.00	21.00	18.0	M12	0	0.88

• For internal coolant through the holder, the related COOLANT SET should be ordered via Accessories (applicable to certain tools only)

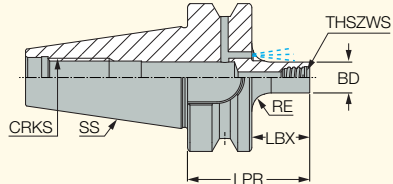
⁽¹⁾ 1 - Slot for data chip, 0 - Without slot for data chip**Spare Parts**

Designation				
BT30 SEM 16X50	M8 CLAMP SCREW SEM16	WRENCH M8 SEMC16*	DR.DOG 8S	SR M3X10DIN912
BT30 SEM 22X50	M10 CLAMP SCREW SEM22	WRENCH M10 SEMC 22*	DR.DOG 10S	SR M4X10DIN912
BT30 SEM 27X50	M12 CLAMP SCREW SEM27	WRENCH M12 SEMC 27*	DR.DOG 12S	SR M5X14DIN912

* Optional, to be ordered separately

BT MAS**MULTI-MASTER****MM S-A-BT**

BT Integral Tapered Shanks
Mount MULTI-MASTER
Milling Heads



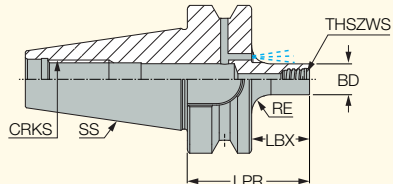
M E T R I C								
Designation	SS	CRKS	THSZWS	BD	LPR	LBX	RE	CSP ⁽¹⁾
MM S-A-H040-BT30-T06-H	30	M12	T06	9.60	40.00	18.0	6.0	1
MM S-A-H045-BT30-T08-H	30	M12	T08	11.60	45.00	23.0	6.0	1
MM S-A-H050-BT30-T10-H	30	M12	T10	15.30	50.00	28.0	6.0	1
MM S-A-H050-BT30-T12-H	30	M12	T12	18.30	50.00	28.0	6.0	1
MM S-A-H050-BT30-T15-H	30	M12	T15	23.90	50.00	28.0	3.0	1

• Do not apply lubricant to the threaded connection

⁽¹⁾ 0 - Without coolant supply, 1 - With coolant supply

BT MAS**MULTI-MASTER****MM S-A-BT**

BT Integral Tapered Shanks
Mount MULTI-MASTER
Milling Heads



I N C H								
Designation	SS	CRKS	THSZWS	BD	LPR	LBX	RE	CSP ⁽¹⁾
MM S-A-H040-BT30-T06-H	30	M12	T06	.378	1.575	.71	.236	1
MM S-A-H045-BT30-T08-H	30	M12	T08	.457	1.772	.91	.236	1
MM S-A-H050-BT30-T10-H	30	M12	T10	.602	1.968	1.10	.236	1
MM S-A-H050-BT30-T12-H	30	M12	T12	.720	1.968	1.10	.236	1
MM S-A-H050-BT30-T15-H	30	M12	T15	.941	1.968	1.10	.118	1

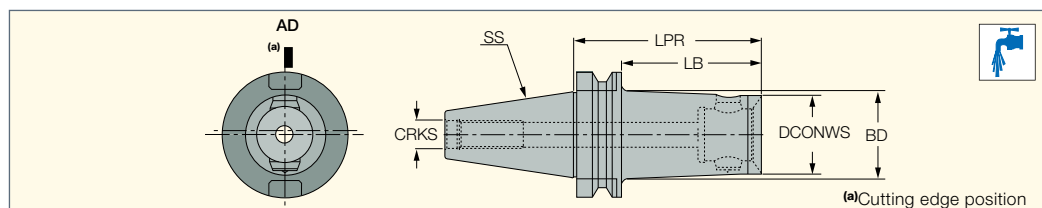
• Do not apply lubricant to the threaded connection.

⁽¹⁾ 0 - Without coolant supply, 1 - With coolant supply

ITSBORE

BT-MB

MB Modular Connection
System with BT MAS-403
FORM AD Taper Shanks



M E T R I C

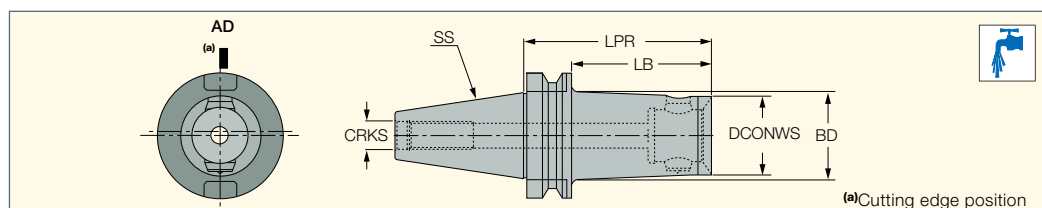
Designation	SS	DCONWS	LB	LPR	BD	CRKS	kg	
BT30 MB32	30	32.00	10.6	32.00	-	M12	0.38	HW 4.0
BT30 MB50	30	50.00	38.6	60.00	-	M12	0.70	HW 6.0

- Verify that the weight of the entire tool assembly does not exceed the machine spindle's carrying capability.

ITSBORE

BT-MB

MB Modular Connection
System with BT MAS-403
FORM AD Taper Shanks



I N C H

Designation	SS	DCONWS	LB	LPR	BD	CRKS	Lbs	
BT30 MB32	30	1.2598	.417	1.260	-	M12	.84	HW 4.0
BT30 MB50	30	1.9685	1.520	2.362	-	M12	1.54	HW 6.0

- Verify that the weight of the entire tool assembly does not exceed the machine spindle's carrying capability.

SPIN-JET

The jet spindle system uses the machine's existing coolant or cutting fluid supply as a pressurized energy source, rotating a turbine in the range of 20K - 55K RPMs. It offers an ideal solution for a wide range of semi-finishing and finishing applications such as milling, drilling, thread-milling, engraving, chamfering, deburring, fine radial grinding and more. The Jet spindle is equipped with real-time wireless RPM transmitting and monitoring; to optimize cutting conditions.

Integrated Coolant Nozzle System

Integrated coolant nozzle system provides direct jet coolant application for fast, powerful cooling and effective chip evacuation. Connectivity effortless phone integration via Bluetooth. Compatible with android and iPhone (iOS).

Both, the P-Jet and S-Jet Spindle are equipped with an integrated BLE ("bluetooth low energy") sensor which can automatically connect to the iOS & Android jet spindle monitoring app,



Multiple Spindle connection



Distance from Jet Spindle to mobile device:
no more than 10m.

BLE Sensor Transmitter Information

- BLE frequency transmission
- Range up to 10 m
- Internal battery-powered
- Individual ID number for each transmitter unit
- Direct live wireless rotational speed monitoring via jet spindle monitor app

Case Content

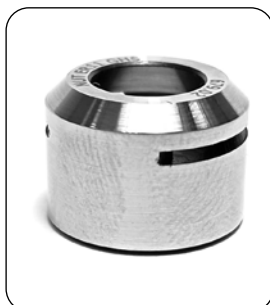
**SJET: Jet Case Contents**

1. SPEED JET Spindle
2. Nut ER11 GHS
3. Wrench ER11 SMS
4. Shaft lock flat key
5. Allen key – hexagonal 2.0mm

**PJET: Jet Case Contents**

1. POWER JET Spindle
2. Nut ER11 GHS
3. Wrench ER11 SMS
4. Shaft lock flat key
5. Allen key – hexagonal 2.0mm

Note: CR2 Battery for Speed Sensor is not included!



NUT ER 11 GHS



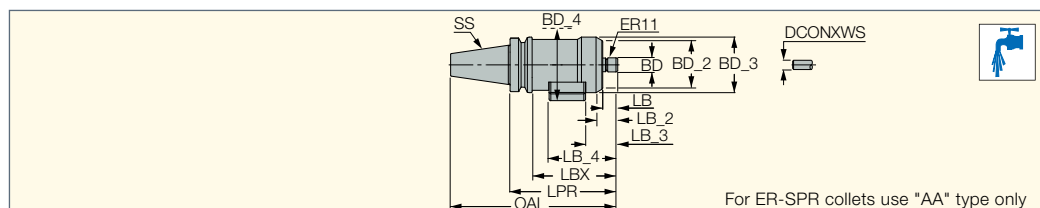
AAA SPEED precision ER 11 Collet **(not included)**



Shaft lock flat key and wrench

BT MAS SPINJET**TJS-GJET-BT**

Coolant Driven High
Speed Compact Spindles
with BT Shanks

**M E T R I C**

Designation	BD	BD_2	BD_3	BD_4	LB	LB_2	LB_3	LB_4	LBX	SS	LF	LPR	DCONXWS ⁽¹⁾	OAL	RPMN ⁽²⁾	RPMX ⁽³⁾	DCP ⁽⁴⁾	
TJS GJET BT30	16.00	54.25	63.00	81.00	17.00	24.58	36.24	77.84	109.00	30	124.00	141.00	7.00	189.00	35000	55000	0	1.60

• Minimum coolant pressure 20 bar and flow rate 12 l/min • The spindle provides only external strong coolant jet around the tool • Battery not supplied

⁽¹⁾ Maximum tool shank diameter

⁽²⁾ Minimum RPM

⁽³⁾ Maximum RPM

⁽⁴⁾ 1 - Slot for data chip, 0 - Without slot for data chip

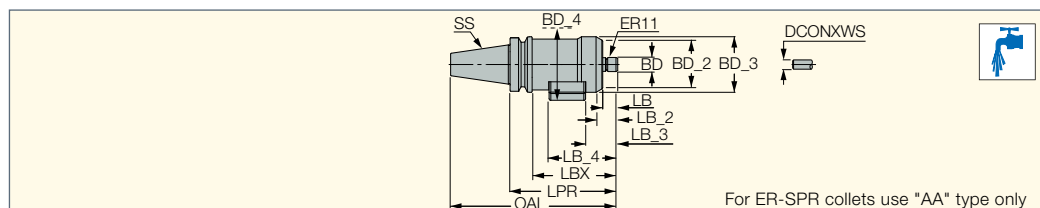
Spare Parts

Designation				
TJS-GJET-BT	NUT ER11 GHS	WRENCH ER11 SMS	HW 2.0	TJS SHAFT LOCK KEY

* Optional, to be ordered separately

BT MAS SPINJET**TJS-GJET-BT**

Coolant Driven High
Speed Compact Spindles
with BT Shanks

**I N C H**

Designation	BD	BD_2	BD_3	BD_4	LB	LB_2	LB_3	LB_4	LBX	SS	LF	LPR	DCONXWS ⁽¹⁾	OAL	RPMN ⁽²⁾	RPMX ⁽³⁾	DCP ⁽⁴⁾	
TJS GJET BT30	.6299	2.1358	2.4803	3.1890	.669	.968	1.427	3.065	4.291	BT30	4.882	5.551	.276	7.441	35000	55000	0	3.53

• Minimum coolant pressure 290 psi and flow rate 3.17 GPM • The spindle provides only external strong coolant jet around the tool • Battery not supplied

⁽¹⁾ Maximum tool shank diameter

⁽²⁾ Minimum RPM

⁽³⁾ Maximum RPM

⁽⁴⁾ 1 - Slot for data chip, 0 - Without slot for data chip

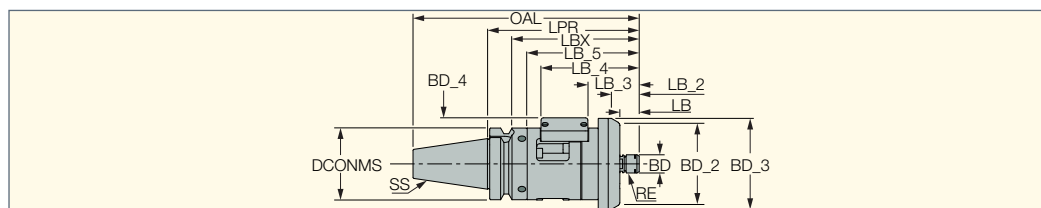
Spare Parts

Designation				
TJS-GJET-BT	NUT ER11 GHS	WRENCH ER11 SMS	HW 2.0	TJS SHAFT LOCK KEY

* Optional, to be ordered separately

BT MAS SPINJET**TJS-PJET-BT**

High-Pressure Coolant Driven
HSM Spindle with BT Shank for
Small Diameter Cutting Tools

**M E T R I C**

Designation	BD	BD_2	BD_3	BD_4	LB	LB_2	LB_3	LB_4	LBX	SS	LF	LPR	DCONXWS ⁽¹⁾	OAL	RPMN ⁽²⁾	RPMX ⁽³⁾	kg	DCP ⁽⁴⁾
TJS PJET BT30	16.00	71.40	80.00	81.00	17.00	24.45	45.00	86.40	98.90	30	120.40	137.40	6.00	187.80	20000	45000	0.00	1

• Coolant pressure 15-70 bar and flow rate 10-22 l/min • RPM range 20,000-45,000 RPM • The spindle provides only external strong coolant jet around the tool

• Battery not supplied



⁽¹⁾ Maximum diameter

⁽²⁾ Minimum RPM

⁽³⁾ Maximum RPM

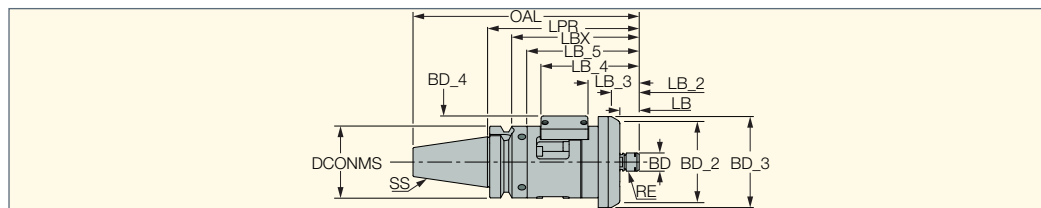
⁽⁴⁾ 1 - Slot for data chip, 0 - Without slot for data chip

Spare Parts

Designation		
TJS-PJET-BT	WRENCH ER11 SMS	HW 2.0

BT MAS SPINJET**TJS-PJET-BT**

High-Pressure Coolant Driven
HSM Spindle with BT Shank for
Small Diameter Cutting Tools

**I N C H**

Designation	BD	BD_2	BD_3	BD_4	LB	LB_2	LB_3	LB_4	LBX	SS	LF	LPR	DCONXWS ⁽¹⁾	OAL	RPMN ⁽²⁾	RPMX ⁽³⁾	Lbs	DCP ⁽⁴⁾
TJS PJET BT30	.6299	2.8110	3.1496	3.1890	.669	.963	1.772	3.402	3.894	.999	4.740	5.409	.236	7.394	20000	45000	0	1

• Coolant pressure 217-1000 PSI and flow rate 2.6-5.8 GPM • RPM range 20,000-45,000 RPM • The spindle provides only external strong coolant jet around the tool

• Battery not supplied



⁽¹⁾ Maximum diameter

⁽²⁾ Minimum RPM

⁽³⁾ Maximum RPM

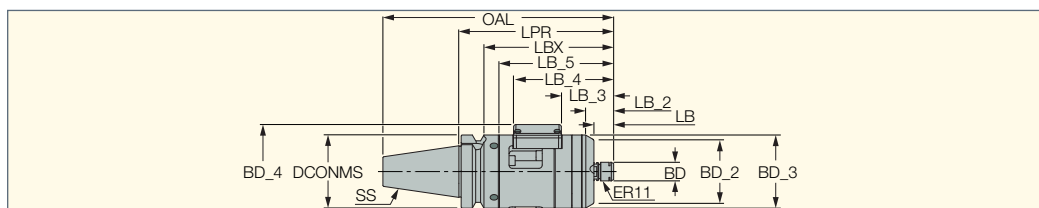
⁽⁴⁾ 1 - Slot for data chip, 0 - Without slot for data chip

Spare Parts

Designation		
TJS-PJET-BT	WRENCH ER11 SMS	HW 2.0

BT MAS SPINJET**TJS-SJET-BT**

Coolant Driven High
Speed Compact Spindles
with BT Shanks

**M E T R I C**

Designation	BD	BD_2	BD_3	BD_4	LB	LB_2	LB_3	LB_4	LBX	SS	LF	LPR	DCONXWS ⁽¹⁾	OAL	RPMN ⁽²⁾	RPMX ⁽³⁾	DCP ⁽⁴⁾	
TJS SJET BT30	16.00	54.69	63.00	81.00	17.00	24.20	44.90	86.30	98.80	30	120.30	137.30	6.00	187.70	33000	55000	1	0.00

• Minimum coolant pressure 20 bar and flow rate 12 l/min • The spindle provides only external strong coolant jet around the tool • Battery not supplied

⁽¹⁾ Maximum diameter

⁽²⁾ Minimum RPM

⁽³⁾ Maximum RPM

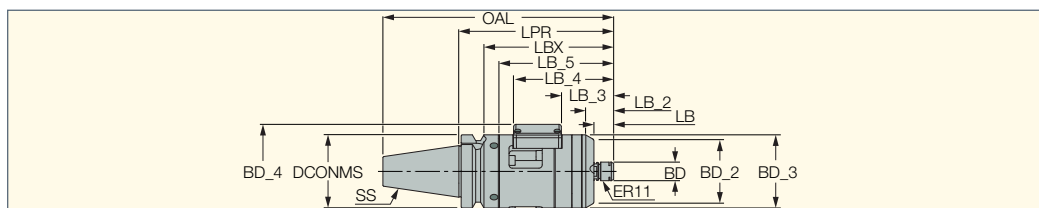
⁽⁴⁾ 1 - Slot for data chip, 0 - Without slot for data chip

Spare Parts

Designation		
TJS-SJET-BT	WRENCH ER11 SMS	HW 2.0

BT MAS SPINJET**TJS-SJET-BT**

Coolant Driven High
Speed Compact Spindles
with BT Shanks

**I N C H**

Designation	BD	BD_2	BD_3	BD_4	LB	LB_2	LB_3	LB_4	LBX	SS	LF	LPR	DCONXWS ⁽¹⁾	OAL	RPMN ⁽²⁾	RPMX ⁽³⁾	DCP ⁽⁴⁾	
TJS SJET BT30	.6299	2.1531	2.4803	3.1890	.669	.953	1.768	3.398	3.890	.999	4.736	5.406	.236	7.390	33000	55000	1	0

• Minimum coolant pressure 290 psi and flow rate 3.17 GPM • The spindle provides only external strong coolant jet around the tool • Battery not supplied

⁽¹⁾ Maximum diameter

⁽²⁾ Minimum RPM

⁽³⁾ Maximum RPM

⁽⁴⁾ 1 - Slot for data chip, 0 - Without slot for data chip

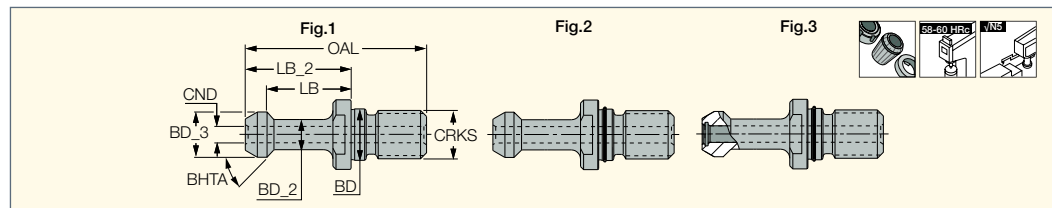
Spare Parts

Designation		
TJS-SJET-BT	WRENCH ER11 SMS	HW 2.0

Accessories

PS BT-MAS (Pull Stud)

BT Pull Stud with MAS
Retention Knob



M E T R I C												
Designation	SS	CRKS	BD_3	BD_2	BD	CND ⁽¹⁾	LB	OAL	LB_2	BHTA	Fig.	CSP ⁽²⁾
PS BT30 45 M12 MAS1	30	M12	11.00	7.00	12.50	-	18.00	43.0	23.00	45.0	1.	0
PS BT30 45 M12 MAS1B	30	M12	11.00	7.00	12.50	3.0	18.00	43.0	23.00	45.0	1.	1
PS BT30 60 M12 MAS2	30	M12	11.00	7.00	12.50	-	18.00	43.0	23.00	60.0	1.	0

• Fig 1: With or without coolant holes (coolant holes only in items with a B suffix) • Fig 2: With coolant holes and external O-ring

• Fig 3: With coolant holes, external and internal O-rings

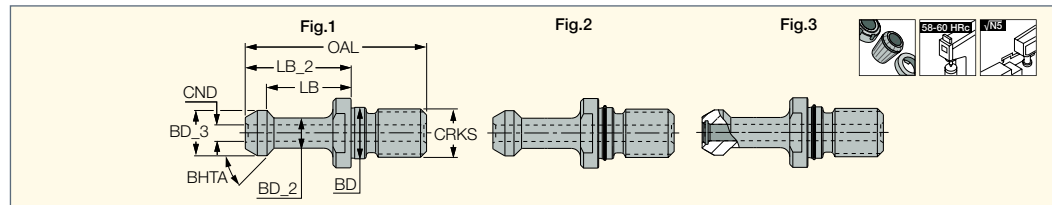
⁽¹⁾ Coolant entry diameter

⁽²⁾ 0 - Without coolant supply, 1 - With coolant supply

Accessories

PS BT-MAS (Pull Stud)

BT Pull Stud with MAS
Retention Knob



I N C H												
Designation	SS	CRKS	BD_3	BD_2	BD	CND ⁽¹⁾	LB	OAL	LB_2	BHTA	Fig.	CSP ⁽²⁾
PS BT30 45 M12 MAS1	30	M12	.433	.276	.492	-	.709	1.693	.906	45.00	1.	0
PS BT30 45 M12 MAS1B	30	M12	.433	.276	.492	.118	.709	1.693	.906	45.00	1.	1
PS BT30 60 M12 MAS2	30	M12	.433	.276	.492	-	.709	1.693	.906	60.00	1.	0

• Fig 1: With or without coolant holes (coolant holes only in items with a B suffix) • Fig 2: With coolant holes and external O-ring • Fig 3: With coolant holes, external and internal O-rings

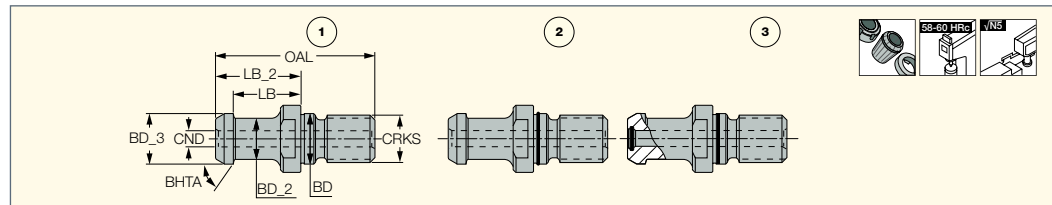
⁽¹⁾ Coolant entry diameter

⁽²⁾ 0 - Without coolant supply, 1 - With coolant supply

Accessories

PS BT-JIS (Pull Stud)

BT Pull Stud with
JIS 6339 Retention Knob



M E T R I C												
Designation	SS	CRKS	BD_3	BD_2	BD	CND ⁽³⁾	LB	OAL	LB_2	BHTA	Fig.	CSP ⁽⁴⁾
PS BT30 15 M12 JISB	30	M12	12.00	8.00	12.50	4.0	18.40	43.0	23.40	75.0	1.	1

• Fig 1: With coolant holes only • Fig 2: With coolant holes and external O-ring • Fig 3: With coolant holes, external and internal O-rings

⁽¹⁾ 4 mm through hole for OKUMA machines. With front ground surface

⁽²⁾ For DMG MORI machines

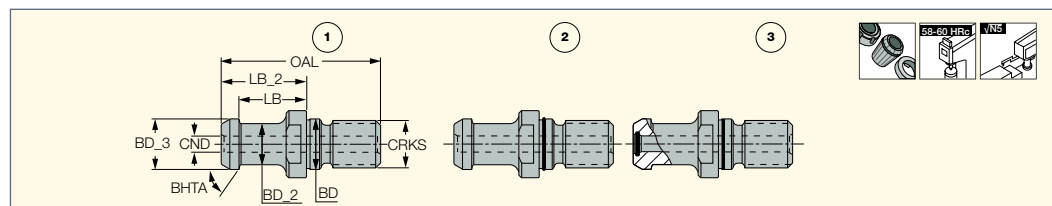
⁽³⁾ Coolant entry diameter

⁽⁴⁾ 0 - Without coolant supply, 1 - With coolant supply

Accessories

PS BT-JIS (Pull Stud)

BT Pull Stud with
JIS 6339 Retention Knob



I N C H												
Designation	SS	CRKS	BD_3	BD_2	BD	CND ⁽³⁾	LB	OAL	LB_2	BHTA	Fig.	CSP ⁽⁴⁾
PS BT30 15 M12 JISB	30	M12	.472	.315	.492	.157	.724	1.693	.921	75.00	1.	1

• Fig 1: With coolant holes only • Fig 2: With coolant holes and external O-ring • Fig 3: With coolant holes, external and internal O-rings

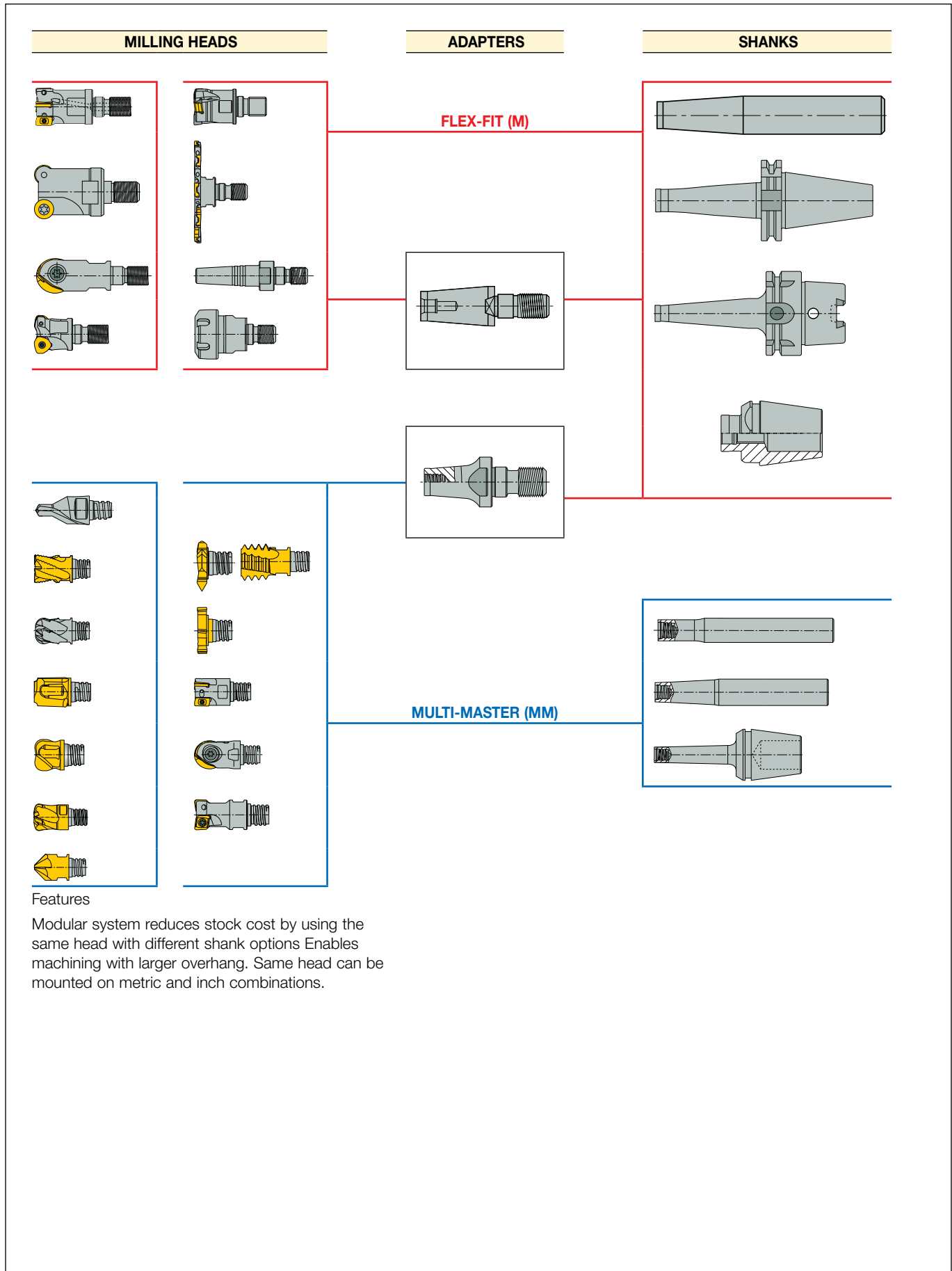
⁽¹⁾ .157" through hole for OKUMA machines. With front ground surface

⁽²⁾ For DMG MORI machines

⁽³⁾ Coolant entry diameter

⁽⁴⁾ 0 - Without coolant supply, 1 - With coolant supply

MULTI-MASTER and FLEX-FIT Connection Options



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