



Main products

Inch Metric



TUNGCAP

Quick change system with polygon PSC coupling tooling

K004 - K054



TUNGHOLD

Tooling system for holders with unique functions in wide varieties

HSK A/E - K055 CAT - K079

Tung Shrink - K064

K055 - K135



Other tooling system

Spin Jet - K136 Swiss Bore - K142

K136 - K153

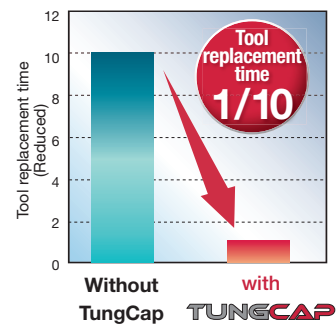




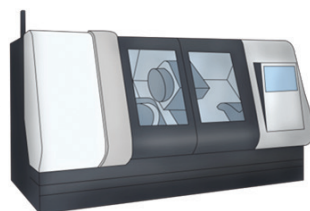
Productivity increases when used on CNC turret lathes / turning centers

Reduce downtime in your machine

- Short setup time - no tool adjustment required on the machine
- Once adjusted outside the machine, high precision



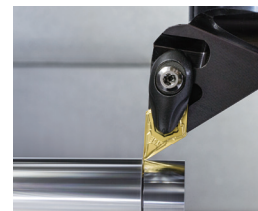
Measurement
outside the machine



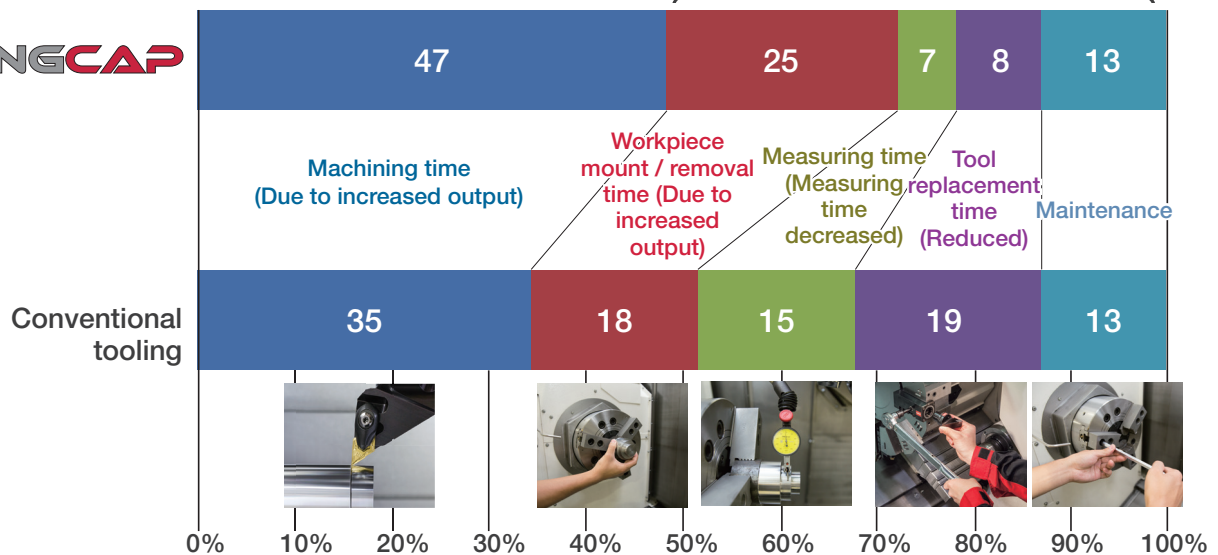
Input measured data



Short tool change time

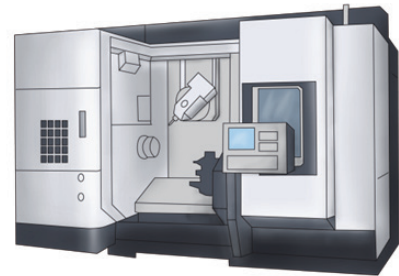


High precision in simple
process

TUNGCAP

Tooling for multi-tasking machine

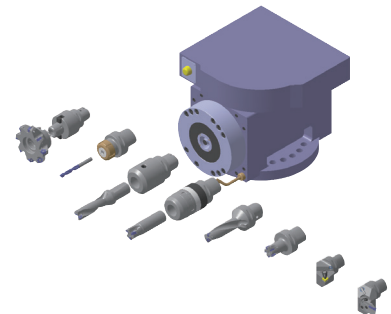
A multi-tasking machine is a combination of a turning center and a machining center, which allows a workpiece to be completed in a single machine setup. TungCap offers a complete range of efficient tooling solutions in such a highly advanced machine-tool.



Easy tool management

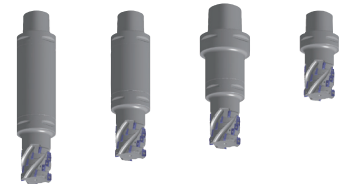
Suitable for a wide range of applications

- TungCap modular system enhances tooling flexibility in a wide range of applications, without compromising other interface adapters
- Dual contact Cat holders for USA also available



Ideal tooling

An optimized overhang length can be set with an extension or reduction holder



Cutting heads for a B-axis locked at 45° in multi-tasking machines

A large radial stroke is possible for B-axis
Heavy-duty machining is possible due to diverse cutting force
No interference in machining corner radii



Turning tool



Please see the page B/C/E/F/J/K*** for the product details.

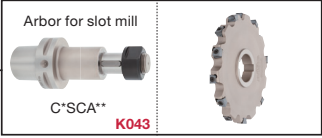
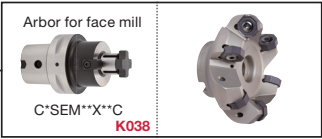
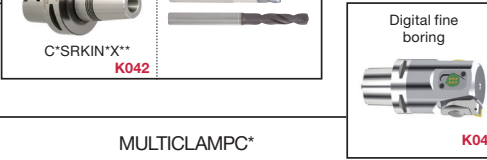
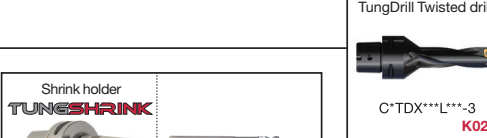
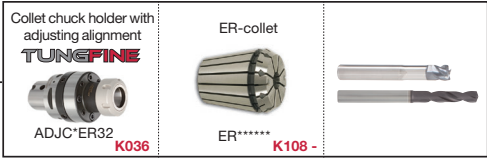
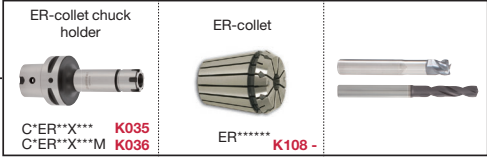
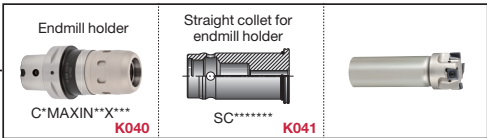
System for Multi - Tasking Machine

TOOLING SYSTEM

Tool spindle



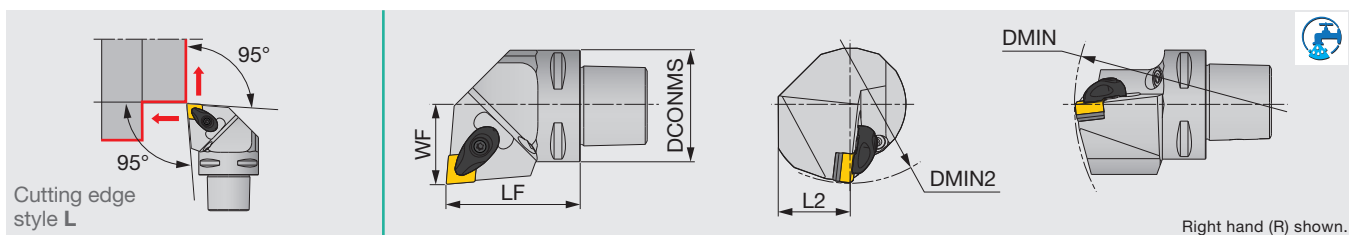
Rotating tool



MULTICLAMPC*
K045

Please see the page B/C/E/F/J/K*** for the product details.

Double-clamp toolholder, with 95° approach angle, for negative 80° rhombic inserts



Right hand (R) shown.

Metric	DCONMS	LF	L2	WF	DMIN	DMIN2	RE	Insert
C3ACLNR/L22040-0904N	32	40	20	22	110	121	0.8	CN**0904**E
C4ACLNR/L27050-0904N	40	50	25	27	140	110	0.8	CN**0904**E
C4ACLNR/L27050-12N	40	50	25	27	140	110	0.8	CN**1204...
C5ACLNR/L35060-12N	50	60	32	35	165	110	0.8	CN**1204...
C6ACLNR/L45065-0904N	63	65	35	45	190	110	0.8	CN**0904**E
C6ACLNR/L45065-12N	63	65	41	45	190	125	0.8	CN**1204...
C6ACLNR/L45065-16N	63	65	41	45	190	125	1.2	CN**1606...

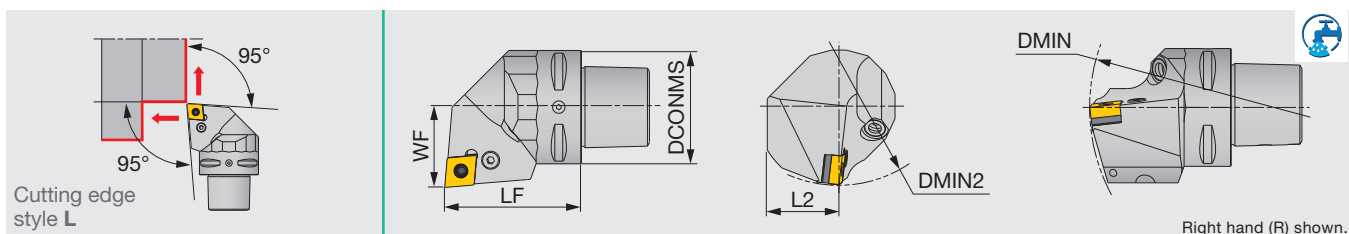
Applicable for 7 MPa coolant

SPARE PARTS

Designation	Clamp	Clamping screw	Coolant parts	Shim	Shim screw	Spring	Spring pin	Wrench 1	Wrench 2
C*ACLNR***-0904N	ACP3S-E	ACS-5W	SATZ-M10X1-5	ASC322	CSTB-3.5	BP-7	SP-2.5	-	T-15F
C*ACLNR***-12N	ACP4S	ACS-5W	SATZ-M8X1-M3	ASC422	CSTB-3.5	BP-7	SP-2.5	-	T-15F
C6ACLNR*45065-16N	ACP5S	ACS-6W	SATZ-M8X1-M3	ASC533	CSTB-5	BP-8.8	SP-2.5	KEYV-T20	-

C-PCLNR/L

Lever-lock toolholder, with 95° approach angle, for negative 80° rhombic inserts



Right hand (R) shown.

Metric	DCONMS	LF	L2	WF	DMIN	DMIN2	RE	Insert
C5PCLNR/L35060-12	50	60	32	35	-	-	0.8	CN**1204...
C5PCLNR/L35060-12N	50	60	32	35	165	110	0.8	CN**1204...
C6PCLNR/L45065-12N	63	65	41	45	190	125	0.8	CN**1204...

The item without DMIN and DMIN2 cannot be used for boring.

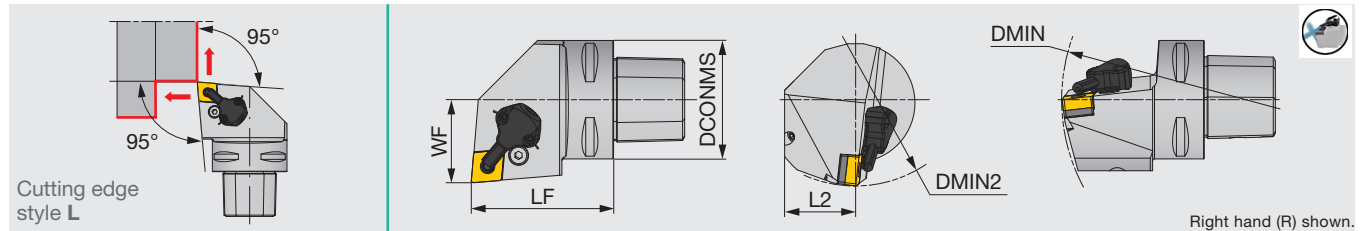
Applicable for 7 MPa coolant

SPARE PARTS

Designation	Coolant parts	Lever	Clamping screw	Shim	Spring pin	Wrench
C5PCLNR*35060-12	EZ104	LCL4	LCS4	LSC42	LSP4	P-3
C*PCLNR***-12N	SATZ-M10X1-M5	LCL4	LCS4	LSC42	LSP4	P-3

Reference pages: C-ACLNR/L, C-PCLNR/L: Inserts → **B056** -, CBN → **B172** -, PCD → **B194** -

Lever-lock toolholder, with 95° approach angle, for negative 80° rhombic inserts, with high pressure coolant capability



Metric	DCONMS	LF	L2	WF	DMIN	DMIN2	RE	Insert
C4PCLNR/L27050-0904-CHP	40	50	25	27	140	110	0.8	CN**0904...
C4PCLNR/L27050-12-CHP	40	50	25	27	140	110	0.8	CN**1204...
C5PCLNR/L35060-12-CHP	50	60	32	35	165	110	0.8	CN**1204...
C6PCLNR/L45065-0904-CHP	63	65	41	45	190	125	0.8	CN**0904...
C6PCLNR/L45065-12-CHP	63	65	41	45	190	125	0.8	CN**1204...

Applicable for 14 MPa coolant

SPARE PARTS

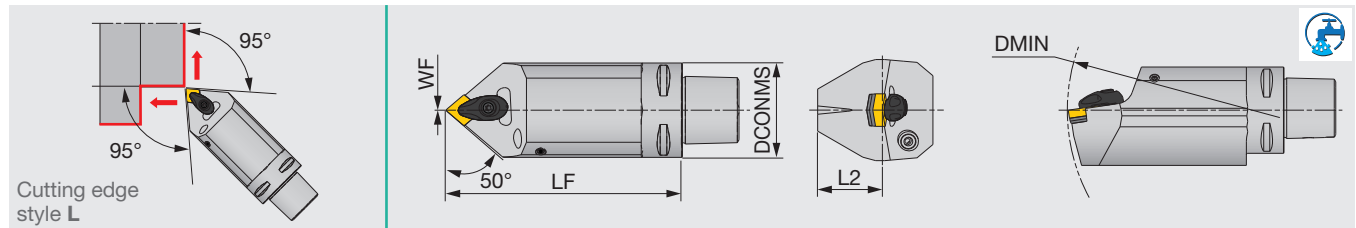
Designation	Shim	Clamping screw	Spring pin	Lever	Wrench
C*PCLNR/L**12-CHP	LSC42	LCS4	LSP4	LCL4	P-3
C*PCLNR/L**0904-CHP	LSC317	LCS3	LSP3	LCL33	P-2.5

COOLANT SET

Designation	Coolant unit	Mounting screw	Wrench	O-ring
C*PCLNR/L**12-CHP	CU-CW-CHP	SRM3	T-8F	OR6.4X0.9N

C-ACLNN

Double-clamp toolholder, with 50° approach angle, for negative 80° rhombic inserts



Metric	DCONMS	LF	L2	WF	DMIN	RE	Insert
C5ACLNN00090-12 ⁽¹⁾	50	90	32	0	-	0.8	CN**1204...
C5ACLNN00090-12N ⁽²⁾	50	90	32	0	165	0.8	CN**1204...
C5ACLNN00125-12 ⁽¹⁾	50	125	32	0	-	0.8	CN**1204...
C5ACLNN00125-12N ⁽²⁾	50	125	32	0	165	0.8	CN**1204...
C6ACLNN00100-12N ⁽²⁾	63	100	37.5	0	190	0.8	CN**1204...
C6ACLNN00140-12N ⁽²⁾	63	140	37.5	0	190	0.8	CN**1204...

The items without DMIN cannot be used for boring.

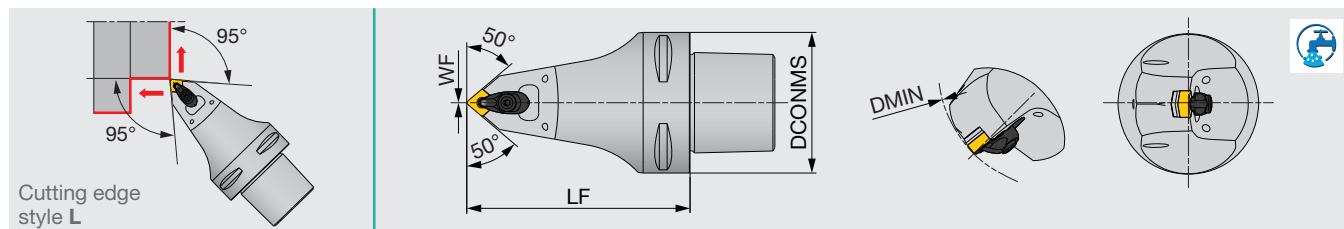
(1) Applicable for 3 MPa coolant (2) Applicable for 7 MPa coolant

SPARE PARTS

Designation	Clamp	Clamping screw	Coolant parts	Shim	Shim screw	Spring	Spring pin	Wrench
C5ACLNN00090-12	ACP4S	ACS-5W	EZ83	ASC422	CSTB-3.5	BP-7	SP-2.5	T-15F
C5ACLNN00090-12N	ACP4S	ACS-5W	SATZ-M8X1-M3	ASC422	CSTB-3.5	BP-7	SP-2.5	T-15F
C5ACLNN00125-12	ACP4S	ACS-5W	EZ83	ASC422	CSTB-3.5	BP-7	SP-2.5	T-15F
C5ACLNN00125-12N	ACP4S	ACS-5W	SATZ-M8X1-M3	ASC422	CSTB-3.5	BP-7	SP-2.5	T-15F
C6ACLNN00100-12N	ACP4S	ACS-5W	SATZ-M8X1-M3	ASC422	CSTB-3.5	BP-7	SP-2.5	T-15F
C6ACLNN00140-12N	ACP4S	ACS-5W	SATZ-M8X1-M3	ASC422	CSTB-3.5	BP-7	SP-2.5	T-15F

Reference pages: C-PCLNR/L-CHP, C-ACLNN: Inserts → **B056 -**, CBN → **B172 -**, PCD → **B194 -**

Double-clamp toolholder, with 50° approach angle, for negative 80° rhombic inserts



Metric	DCONMS	LF	WF	DMIN	RE	Insert
C6ACMNN00100-0904N	63	100	0	110	0.8	CN**0904**E
C6ACMNN00140-0904N	63	140	0	110	0.8	CN**0904**E
C6ACMNN00100-12N	63	100	0	110	0.8	CN**1204...
C6ACMNN00140-12N	63	140	0	110	0.8	CN**1204...

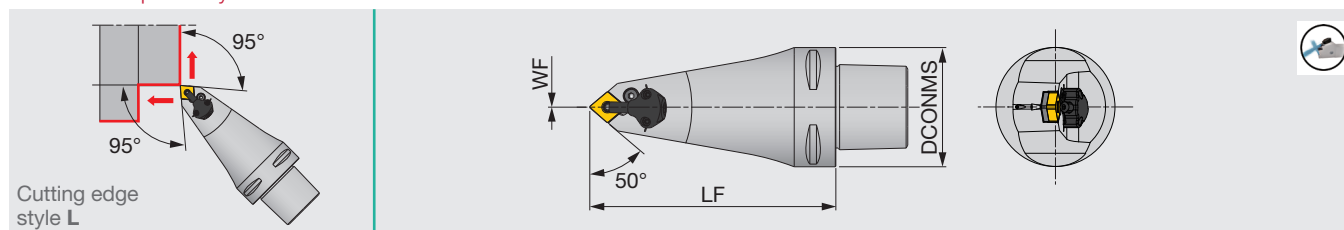
Applicable for 7 MPa coolant

SPARE PARTS

Designation	Clamp	Clamping screw	Shim	Shim screw	Spring	Spring pin	Wrench
C6ACMNN001**0904N	ACP3S-E	ACS-5W	ACS322	CSTB-3.5	BP-7	SP-2.5	T-15F
C6ACMNN001**-12N	ACP4S	ACS-5W	ASC422	CSTB-3.5	BP-7	SP-2.5	T-15F

C-PCMNN-CHP

Lever-lock toolholder, with 50° approach angle, for negative 80° rhombic inserts, with high pressure coolant capability



Metric	DCONMS	LF	WF	RE	Insert
C6PCMNN00130-12-CHP	63	130	0	0.8	CN**1204...

Applicable for 14 MPa coolant

Cannot be used for boring.

SPARE PARTS

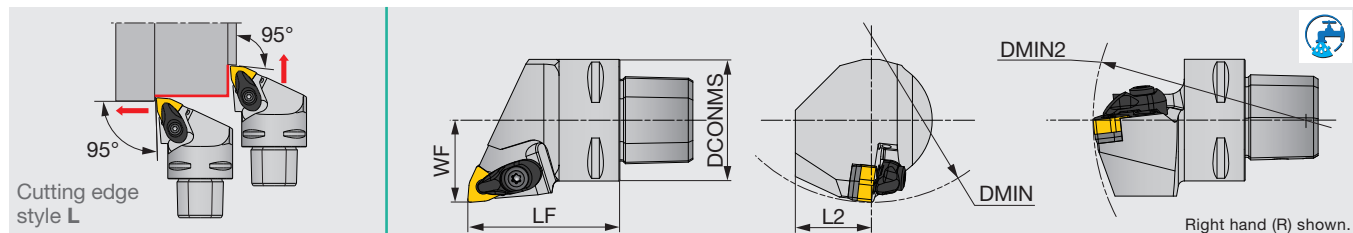
Designation	Shim	Spring pin	Lever	Clamping screw	Wrench	Coolant unit
C6PCMNN00130-12-CHP	LSC42	LSP4	LCL4	LCS4	P-3	CU-CW-CHP

COOLANT SET

Designation	Coolant unit	Mounting screw	Wrench 2	O-ring
C6PCMNN00130-12-CHP	CU-CW-CHP	SRM3	T-8F	OR6.4X0.9N

Reference pages: C-ACMNN, C-PCMNN-CHP: Inserts → **B056 -**, CBN → **B172 -**, PCD → **B194 -**

Double-clamp toolholder, with 95° approach angle, for negative 80° trigon inserts



Metric	DCONMS	LF	L2	WF	DMIN	DMIN2	RE	Insert
C4AWLNR/L27050-0604N	40	50	25	27	140	110	0.8	WN**0604...
C4AWLNR/L27050-08N	40	50	25	27	-	-	0.8	WN**0804...
C6AWLNR/L45065-08N	63	65	35	45	190	110	0.8	WN**0804...

The items without DMIN and DMIN2 cannot be used for boring.
Applicable for 7 MPa coolant

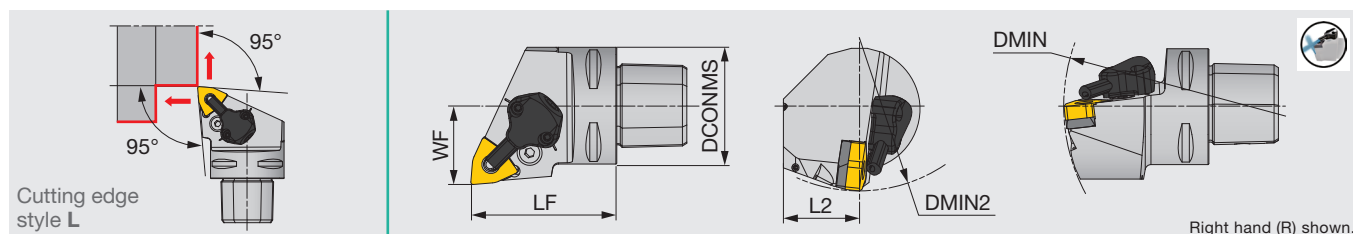
SPARE PARTS

Designation	Clamp	Clamp screw	Coolant parts	Shim	Shim screw	Spring	Spring pin	Wrench
C4AWLNR/L27050-0604N	ACP3S-E	ACS-5W	-	ASW322	CSTB-3.5	BP-7	SP-2.5	T-15F
C4AWLNR/L27050-08N	ACP4S	ACS-5W	-	ASW422	CSTB-3.5	BP-7	SP-2.5	T-15F
C6AWLNR/L45065-08N	ACP4S	ACS-5W	SATZ-M8X1-M3	ASW422	CSTB-3.5	BP-7	SP-2.5	T-15F

TUNGCAP

C-PWLNR/L-CHP

Lever-lock toolholder, for negative 80° trigon inserts, with high pressure coolant capability



Metric	DCONMS	LF	L2	WF	DMIN	DMIN2	RE	Insert
C4PWLNR/L27050-0604-CHP	40	50	25	27	140	110	0.8	WN**0604...
C4PWLNR/L27050-08-CHP	40	50	25	27	140	110	0.8	WN**0804...
C6PWLNR/L45065-08-CHP	63	65	41	45	190	125	0.8	WN**0804...

Applicable for 14 MPa coolant

SPARE PARTS

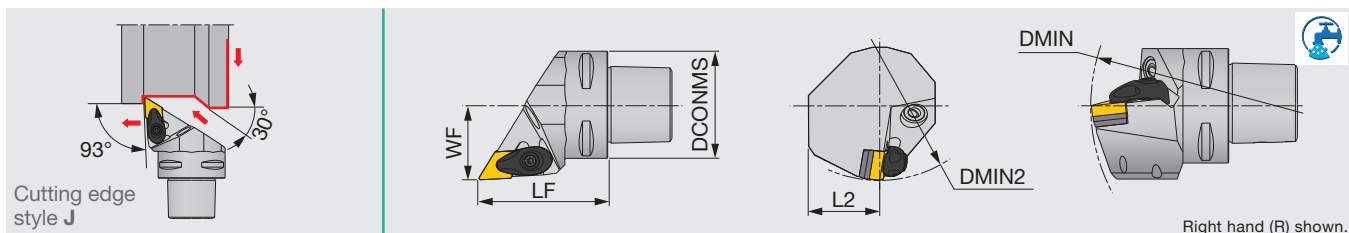
Designation	Shim	Clamping screw	Spring pin	Lever	Wrench
C*PWLNR/L**-08-CHP	LSW42BL	LCS4	LSP4	LCL4	P-3
C*PWLNR/L**0604-CHP	LSW312	LCS3	LSP3	LCL3	P-2.5

COOLANT SET

Designation	Coolant unit	Mounting screw	Wrench	O-ring
C*PWLNR/L**-CHP	CU-CW-CHP	SRM3	T-8F	OR6.4X0.9N

C-ADJNR/L

Double-clamp toolholder, with 93° approach angle, for negative 55° rhombic inserts



Metric	DCONMS	LF	L2	WF	DMIN	DMIN2	RE	Insert
C3ADJNR/L22050-1104N	32	50	20	22	121	85	0.8	DN**1104...
C4ADJNR/L27050-1104N	40	50	25	27	145	110	0.8	DN**1104...
C4ADJNR/L27050-15N	40	50	25	27	145	110	0.8	DN**15...
C5ADJNR/L35060-15N	50	60	32	35	165	110	0.8	DN**15...
C6ADJNR/L45065-1104N	63	65	35	45	190	110	0.8	DN**1104...
C6ADJNR/L45065-15N	63	65	41	45	190	110	0.8	DN**15...
C6ADJNR/L45135-15N	63	135	41	45	190	110	0.8	DN**15...

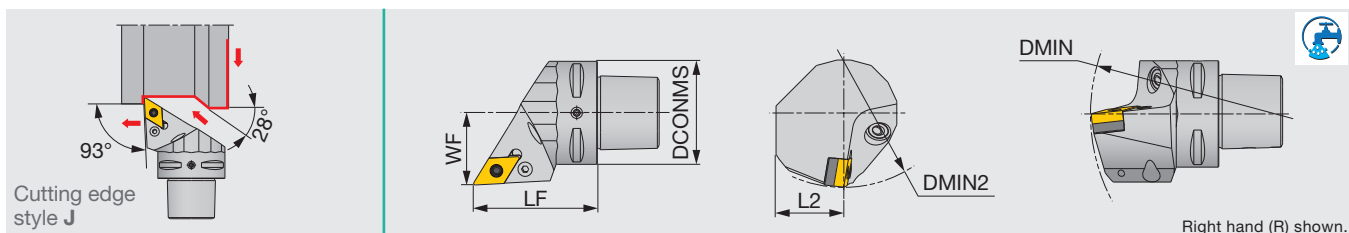
Applicable for 7 MPa coolant

SPARE PARTS	Clamp	Clamping screw	Coolant parts	Shim	Shim screw	Spring	Spring pin	Wrench
C*ADJN*-1104N	ACP3S-E	ACS-5W	-	ASD322	CSTB-3.5	BP-7	SP-2.5	T-15F
C4ADJN*27050-15N	ACP4S	ACS-5W	-	ASD432	CSTB-3.5	BP-7	SP-2.5	T-15F
C5ADJN*35060-15N	ACP4S	ACS-5W	SATZ-M10X1-M5	ASD432	CSTB-3.5	BP-7	SP-2.5	T-15F
C6ADJN*45065-15N	ACP4S	ACS-5W	SATZ-M10X1-M5	ASD432	CSTB-3.5	BP-7	SP-2.5	T-15F
C6ADJN*45135-15N	ACP4S	ACS-5W	SATZ-M10X1-M5	ASD432	CSTB-3.5	BP-7	SP-2.5	T-15F

Option: ASD423 (Shim for DN**1506**)

TUNECAP**C-PDJNR/L**

Lever-lock toolholder, with 93° approach angle, for negative 55° rhombic inserts



Metric	DCONMS	LF	L2	WF	DMIN	DMIN2	RE	Insert
C5PDJNR/L35060-15N	50	60	32	35	165	110	0.8	DN**1504(06)
C6PDJNR/L45065-15N	63	65	41	45	195	95	0.8	DN**1504(06)

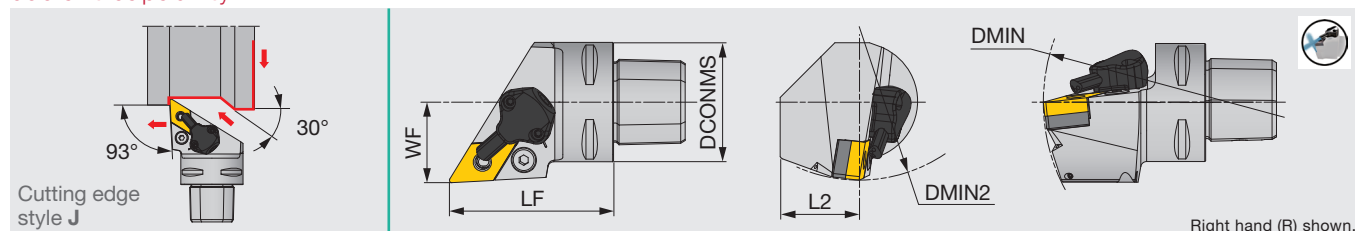
Applicable for 7 MPa coolant

SPARE PARTS	Coolant parts	Shim	Lever	Clamping screw	Spring pin	Wrench
C5PDJN*35060-15N	SATZ-M10X1-M5	LSD43A	LCL4	LCS4	LSP4	P-3
C6PDJN*45065-15N	SATZ-M10X1-M5	LSD43A	LCL4	LCS4	LSP4S	P-3

Option: LSD42A (Shim for DN**1506**), LSP4S (Spring pin for DN**1506**)

Reference pages: C-ADJNR/L, C-PDJNR/L: Inserts → **B067 -**, CBN → **B174 -**, PCD → **B194 -**

Lever-lock toolholder, with 93° approach angle, for negative 55° rhombic inserts, with high pressure coolant capability



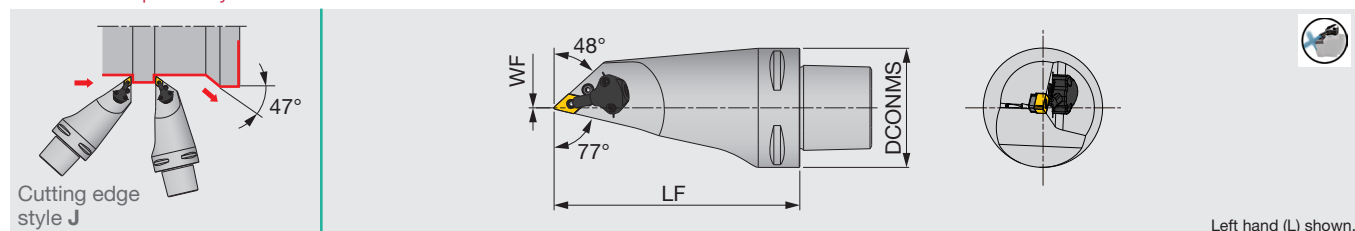
Metric	DCONMS	LF	L2	WF	DMIN	DMIN2	RE	Insert
C4PDJNR/L27055-1104-CHP	40	55	25	27	140	110	0.8	DN**1104...
C4PDJNR/L27055-15-CHP	40	55	25	27	140	110	0.8	DN**1504(06)...
C5PDJNR/L35060-15-CHP	50	60	32	35	165	110	0.8	DN**1504(06)...
C6PDJNR/L45065-1104-CHP	63	65	41	45	190	110	0.8	DN**1104...
C6PDJNR/L45065-15-CHP	63	65	41	45	190	110	0.8	DN**1504(06)...

Applicable for 14 MPa coolant

SPARE PARTS						COOLANT SET				
Designation	Shim	Clamping screw	Spring pin	Lever	Wrench	Designation	Coolant unit	Mounting screw	Wrench	O-ring
C*PDJNR/L**-15-CHP	LSD43A	LCS4	LSP4	LCL4	P-3	C*PDJLNR/L**-CHP	CU-D-CHP	SRM3	T-8F	OR6.4X0.9N
C*PDJNR/L**1104-CHP	ELSD32	LCS3	LSP3	LCL33L	P-2.5					

Option: LSD42A (Shim for DN**1506**), LSP4S (Spring pin for DN**1506**)

Lever-lock toolholder, with 48° approach angle, for negative 55° rhombic inserts, with high pressure coolant capability



Metric	DCONMS	LF	WF	RE	Insert
C6PDMNL00130-1104-CHP	63	130	0	0.8	DN**1104...

Applicable for 14 MPa coolant

Cannot be used for boring

SPARE PARTS						
Designation	Shim	Spring pin	Lever	Clamping screw	Wrench	Coolant unit
C6PDMNL00130-1104-CHP	ELSD32	LSP3	LCL33L	LCS3	P-2.5	CU-D-CHP

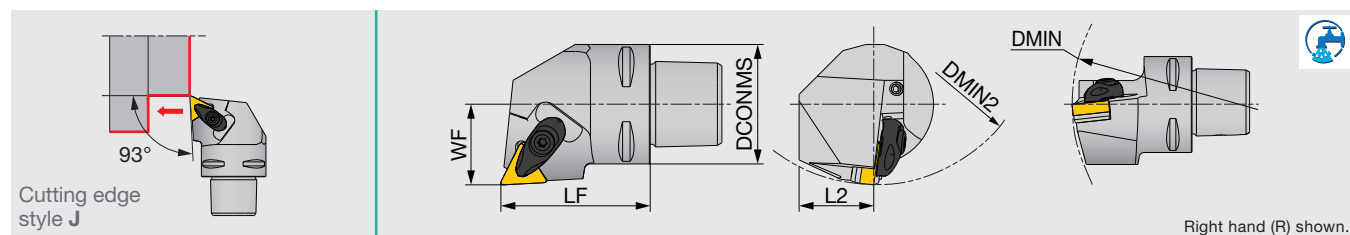
COOLANT SET				
Designation	Coolant unit	Mounting screw	Wrench 2	O-ring
C6PDMNL00130-1104-CHP	CU-D-CHP	SRM3	T-8F	OR6.4X0.9N

TUNGCAP

C-ATJNR/L

TURNINGA

Double-clamp toolholder, with 93° approach angle, for negative 60° triangular inserts



Right hand (R) shown.

Metric	DCONMS	LF	L2	WF	DMIN	DMIN2	RE	Insert
C4ATJNR/L27050-16N	40	50	25	27	140	110	0.8	TN**1604...

Applicable for 7 MPa coolant

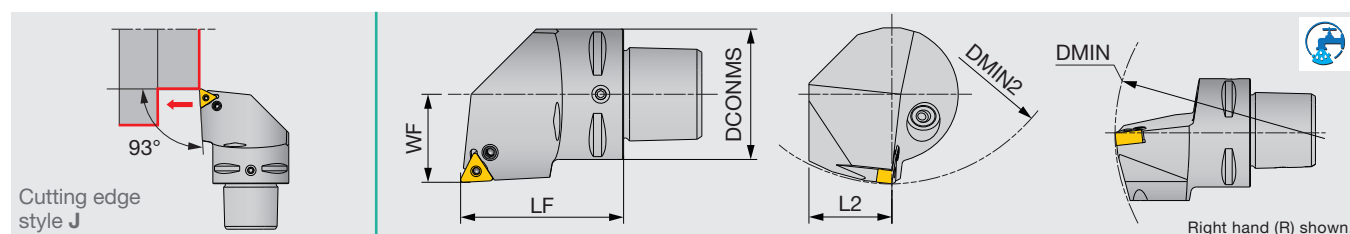
SPARE PARTS

Designation	Clamp	Clamp screw	Shim	Shim screw	Spring	Spring pin	Wrench
C4ATJNR/L...	ACP3S	ACS-5W	AST322	CSTB-3.5	BP-7	SP-2.5	T-15F

TUNGCAP

C-PTJNR/L

Lever-lock toolholder, with 93° approach angle, for negative 60° triangular inserts



Right hand (R) shown.

Metric	DCONMS	LF	L2	WF	DMIN	DMIN2	RE	Insert
C4PTJNR/L27050-1104N	40	50	25	27	140	110	0.8	TN**1104**E

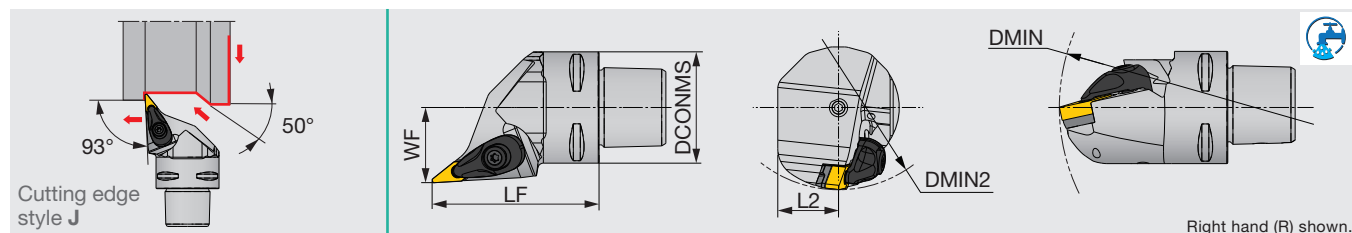
Applicable for 7 MPa coolant

SPARE PARTS

Designation	Coolant parts	Lever	Clamping screw	Wrench
C4PTJNR/L27050-1104N	SATZ-M8X1-M3	LCL23	LCS23A	P-2.5

Reference pages: C-ATJNR/L: Inserts → **B086 -**, CBN → **B178 -**, PCD → **B194 -**
 C-PTJNR/L: Inserts → **B086 -**

Double-clamp toolholder, with 93° approach angle, for negative 35° rhombic inserts



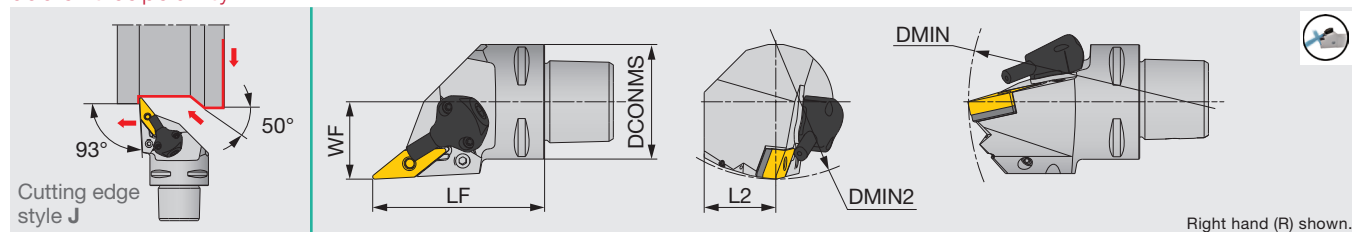
Metric	DCONMS	LF	L2	WF	DMIN	DMIN2	RE**	Insert
C4AVJNR/L27060-1204N	40	60	20	27	140	55	0.8	VN**1204...
C4AVJNR/L27060-16N	40	60	25	27	140	110	0.8	VN**1604...
C6AVJNR/L45065-1204N	63	65	31.5	45	190	81	0.8	VN**1204...
C6AVJNR/L45065-16N	63	65	35	45	190	81	0.8	VN**1604...

Applicable for 7 MPa coolant

SPARE PARTS

Designation	Clamp	Clamp screw	Coolant parts	Shim	Shim screw	Spring	Spring pin	Wrench 1	Wrench 2
C4AVJNR/L...	ACP3L-E	ACS-5W	-	ASV222	CSTB-3	BP-7	SP-2.5	T-9F	T-15F
C6AVJNR/L...	ACP3L-E	ACS-5W	SATZ-M10X1-M5	ASV222	CSTB-3	BP-7	SP-2.5	T-9F	T-15F

Lever-lock toolholder, with 93° approach angle, for negative 35° rhombic inserts, with high pressure coolant capability



Metric	DCONMS	LF	L2	WF	DMIN	DMIN2	RE	Insert
C4PVJNR/L27060-16-CHP	40	60	25	27	140	110	0.8	VN**1604...
C6PVJNR/L45065-16-CHP	63	65	32	45	190	81	0.8	VN**1604...

Applicable for 14 MPa coolant

SPARE PARTS

Designation	Shim	Spring pin	Lever	Clamping screw	Wrench	Coolant unit
C*PVJNR/L...16-CHP	LSV317	LSP3	LCL3V	LCS3V	P-2.5	CU-V-CHP

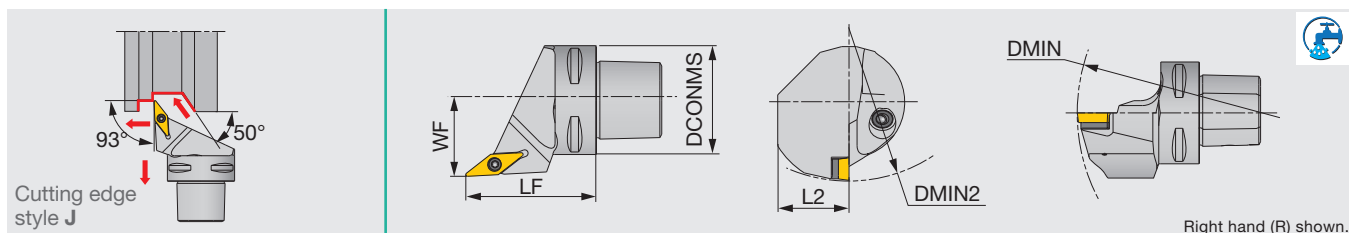
COOLANT SET

Designation	Coolant unit	Mounting screw	Wrench 2	O-ring
C*PVJNR/L...16-CHP	CU-V-CHP	SRM3	T-8F	OR6.4X0.9N

TUNGCAP

C-SVJCR/L

Screw-on toolholder, with 93° approach angle, for positive 35° rhombic inserts



Metric	DCONMS	LF	L2	WF	DMIN	DMIN2	RE	Insert
C3SVJCR/L22040-11N ⁽²⁾	32	40	20	22	-	-	0.4	VC**1103...
C5SVJCL35060-16 ⁽¹⁾	50	60	32	35	-	-	0.8	VC**1604...
C5SVJCR/L35060-16N ⁽²⁾	50	60	32	35	170	160	0.8	VC**1604...
C6SVJCR/L45065-16 ⁽¹⁾	63	65	41	45	-	-	0.8	VC**1604...
C6SVJCR/L45065-16N ⁽²⁾	63	65	41	45	170	190	0.8	VC**1604...

The items without DMIN and DMIN2 cannot be used for boring
 (1) Applicable for 3 MPa coolant (2) Applicable for 7 MPa coolant

SPARE PARTS

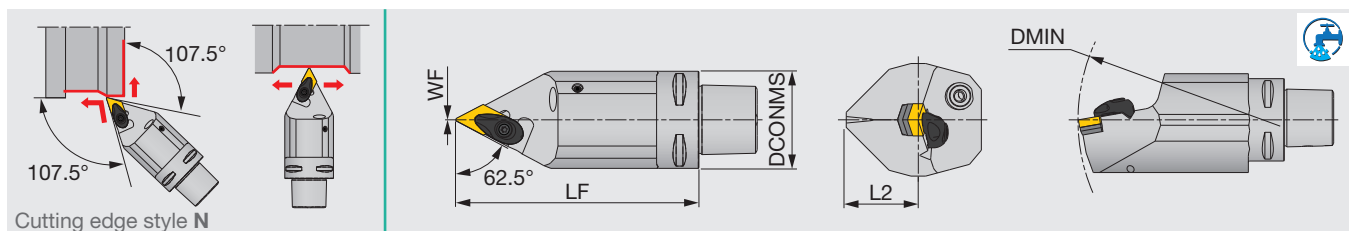
Designation	Clamping screw	Coolant parts	Shim	Shim screw	Wrench 1	Wrench 2
C3SVJCR/L22040-11N	CSTB-2.5	SATZ-M8X1-M3	-	-	-	T-8F
C5SVJCL35060-16	CSTB-3.5L	EZ104	SSV32	DTS5-3.5	P-3.5	T-15F
C5SVJCR/L35060-16N	CSTB-3.5L	SATZ-M10X1-M5	SSV32	DTS5-3.5	P-3.5	T-15F
C6SVJCL45065-16	CSTB-3.5L	EZ104	SSV32	DTS5-3.5	P-3.5	T-15F
C6SVJCR/L45065-16N	CSTB-3.5L	SATZ-M10X1-M5	SSV32	DTS5-3.5	P-3.5	T-15F

TUNGCAP

C-ADNNN

TURNING

Double-clamp toolholder, with 62.5° approach angle, for negative 55° rhombic inserts



Metric	DCONMS	LF	L2	WF	DMIN	RE	Insert
C5ADNNN00090-15 ⁽¹⁾	50	90	32	0	-	0.8	DN**1504(06)
C5ADNNN00090-15N ⁽²⁾	50	90	32	0	165	0.8	DN**1504(06)
C5ADNNN00125-15 ⁽¹⁾	50	125	32	0	-	0.8	DN**1504(06)
C5ADNNN00125-15N ⁽²⁾	50	125	32	0	165	0.8	DN**1504(06)
C6ADNNN00100-15N ⁽²⁾	63	100	37.5	0	190	0.8	DN**1504(06)
C6ADNNN00140-15N ⁽²⁾	63	140	37.5	0	190	0.8	DN**1504(06)

The items without DMIN cannot be used for boring
 (1) Applicable for 3 MPa coolant (2) Applicable for 7 MPa coolant

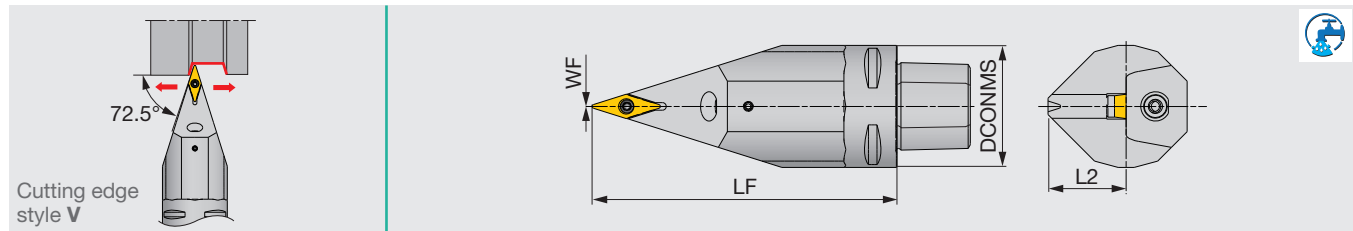
SPARE PARTS

Designation	Clamp	Clamp screw	Coolant parts	Shim	Shim screw	Spring	Spring pin	Wrench
C5ADNNN00090-15	ACP4S	ACS-5W	EZ104	ASD432	CSTB-3.5	BP-7	SP-2.5	T-15F
C5ADNNN00090-15N	ACP4S	ACS-5W	SATZ-M10X1-M5	ASD432	CSTB-3.5	BP-7	SP-2.5	T-15F
C5ADNNN00125-15	ACP4S	ACS-5W	EZ104	ASD432	CSTB-3.5	BP-7	SP-2.5	T-15F
C5ADNNN00125-15N	ACP4S	ACS-5W	SATZ-M10X1-M5	ASD432	CSTB-3.5	BP-7	SP-2.5	T-15F
C6ADNNN00100-15N	ACP4S	ACS-5W	SATZ-M10X1-M5	ASD432	CSTB-3.5	BP-7	SP-2.5	T-15F
C6ADNNN00140-15N	ACP4S	ACS-5W	SATZ-M10X1-M5	ASD432	CSTB-3.5	BP-7	SP-2.5	T-15F

Option: ASD423 (Shim for DN**1506**)

C-SVVCN

Screw-on toolholder, with 72.5° approach angle, for positive 35° rhombic inserts



Metric	DCONMS	LF	L2	WF	RE	Insert
C5SVVCN00090-16 ⁽¹⁾	50	90	32	0	0.8	VC**1604...
C5SVVCN00090-16N ⁽²⁾	50	90	32	0	0.8	VC**1604...
C5SVVCN00125-16 ⁽¹⁾	50	125	32	0	0.8	VC**1604...
C5SVVCN00125-16N ⁽²⁾	50	125	32	0	0.8	VC**1604...
C6SVVCN00100-16N ⁽²⁾	63	100	37.5	0	0.8	VC**1604...
C6SVVCN00140-16N ⁽²⁾	63	140	37.5	0	0.8	VC**1604...

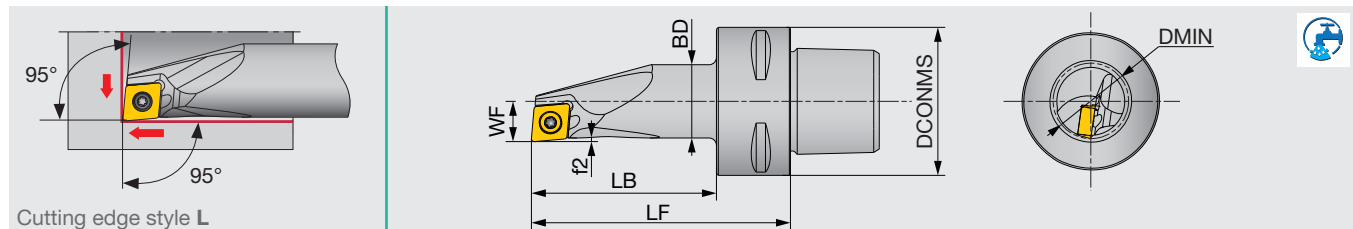
(1) Applicable for 3 MPa coolant (2) Applicable for 7 MPa coolant

SPARE PARTS

Designation	Clamping screw	Coolant parts	Shim	Shim screw	Wrench 1	Wrench 2
C5SVVCN00090-16	CSTB-3.5L	EZ104	SSV32	DTS5-3.5	P-3.5	T-15F
C5SVVCN00090-16N	CSTB-3.5L	SATZ-M10X1-M5	SSV32	DTS5-3.5	P-3.5	T-15F
C5SVVCN00125-16	CSTB-3.5L	EZ104	SSV32	DTS5-3.5	P-3.5	T-15F
C5SVVCN00125-16N	CSTB-3.5L	SATZ-M10X1-M5	SSV32	DTS5-3.5	P-3.5	T-15F
C6SVVCN00100-16N	CSTB-3.5L	SATZ-M10X1-M5	SSV32	DTS5-3.5	P-3.5	T-15F
C6SVVCN00140-16N	CSTB-3.5L	SATZ-M10X1-M5	SSV32	DTS5-3.5	P-3.5	T-15F

C-SCLCR

Screw-on internal toolholder, for positive 80° rhombic inserts



Metric	DMIN	DCONMS	BD	LF	LB	WF	f2	RE	Insert
C3SCLCR11070-09	22	32	19.8	70	52	11	1.0	0.8	CC**09...
C4SCLCR11070-09	22	40	19.8	70	47	11	1.0	0.8	CC**09...

Applicable for 14 MPa coolant
Use right-hand toolholders (R) with left-hand inserts (L).

SPARE PARTS

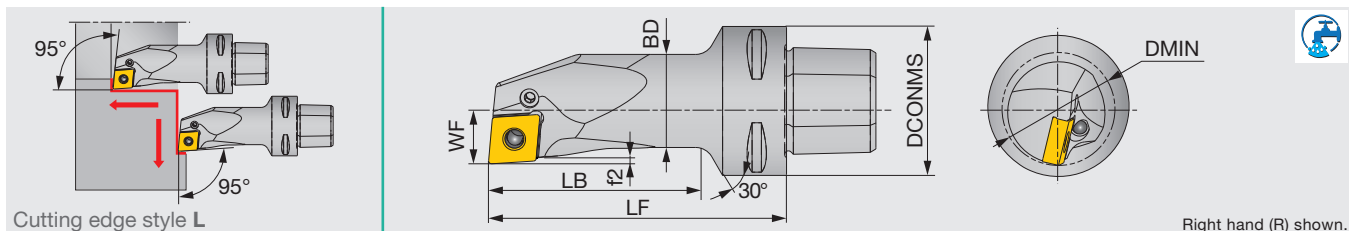
Designation	Clamping screw	Wrench
C*SCLCR11070-09	CSTB-4S	T-15F

Reference pages: C-SVJCR/L: Inserts → **B155** -, CBN → **B192**, PCD → **B196** -
 C-ADNNN: Inserts → **B067** -, CBN → **B174** -, PCD → **B194** -
 C-SVVCN: Inserts → **B155** -, CBN → **B192**, PCD → **B196** -
 C-SCLCR: Inserts → **B111** -, CBN → **B182** -, PCD → **B196** -

TUNGCAP

C-PCLNR/L-IN

Lever-lock internal toolholder, for negative 80° rhombic inserts



Metric	DMIN	DCONMS	BD	LB	LF	WF	f2	RE	Insert
C3PCLNR17090-12	32	32	25	90	71	17	1.6	0.8	CN**1204...
C4PCLNR17090-0904	32	40	25	90	63	17	1.3	0.8	CN**0904**E
C4PCLNR/L17080-12	32	40	25	80	58.5	17	1.6	0.8	CN**1204...
C4PCLNR22110-0904	40	40	32	110	86.5	22	1.3	0.8	CN**0904**E
C4PCLNR27120-0904	50	40	39.5	120	100	27	1.7	0.8	CN**0904**E

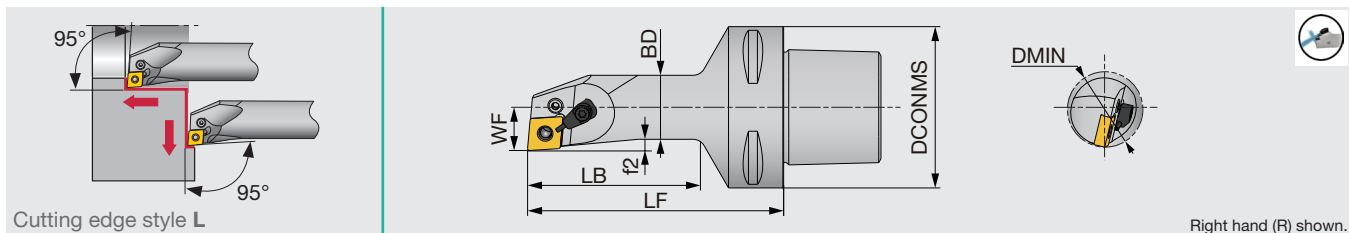
Applicable for 10 MPa coolant

Designation	Shim	Clamping screw	Spring pin	Lever	Wrench 1	Wrench 2
C3PCLNR17090-12	-	LCS43	-	LCL43N	P-2.5	-
C4PCLNR17090-0904	-	LCS33	-	LCL33N	-	P-2F
C4PCLNR/L17080-12	-	LCS43	-	LCL43N	P-2.5	-
C4PCLNR22110-0904	LSC317	LCS3	LSP3	LCL33	-	P-2.5F
C4PCLNR27120-0904	LSC317	LCS3	LSP3	LCL33	-	P-2.5F

C-PCLNR/L-CHP

TUNG TJET

Lever-lock internal toolholder, for negative 80° rhombic inserts



Metric	DMIN	DCONMS	BD	LF	LB	WF	f2	RE	Insert
C6PCLNL17100-12-CHP	32	63	25	100	67.5	17	4.5	0.8	CN**1204...

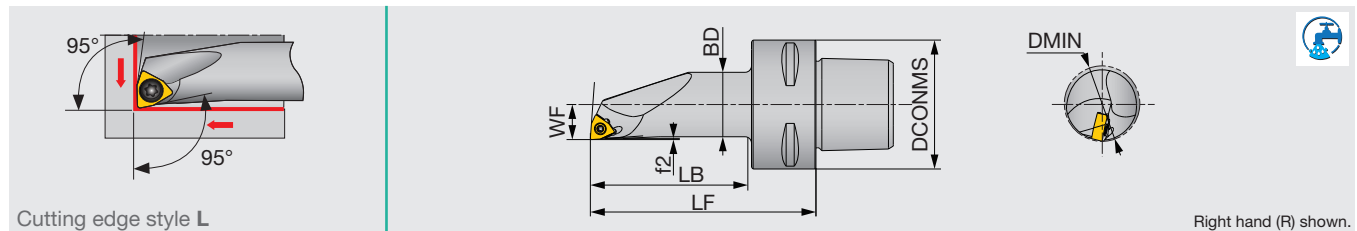
Designation	Clamping screw	Coolant unit	Wrench	Lever
C6PCLNL17100-12-CHP	LCS43	S-CU-CHP	P-2.5	LCL43N

Reference pages: C-PCLNR/L-IN, C-PCLNR/L-CHP: Inserts → **B056 -**, CBN → **B172 -**, PCD → **B194 -**

C-SWLXR/L

MINIFURN

Screw-on internal toolholder, for WXGU inserts



Cutting edge style L

Right hand (R) shown.

Metric	DMIN	DCONMS	BD	LF	LB	WF	f2	RE	Insert
C4SWLXR11070-04	22	40	20	70	47	11	0.4	0.4	WXGU0403**L...

Applicable for 14 MPa coolant

SPARE PARTS

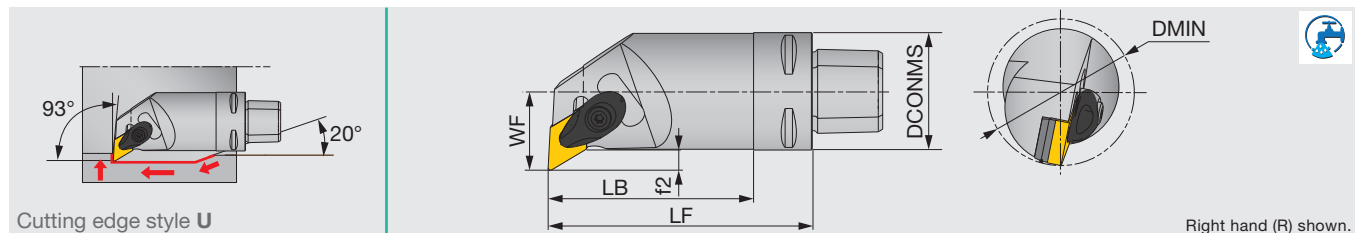
Designation	Clamping screw	Wrench
C4SWLXR11070-04	SR34-514	T-7F

TUNGCAP

C-ADUNR/L

TURNINGA

Double-clamp internal toolholder, for negative 55° rhombic inserts



Cutting edge style U

Right hand (R) shown.

Metric	DMIN	DCONMS	LF	LB	WF	f2	RE	Insert
C4ADUNR20070-15	38	40	70	50	20	5	0.8	DN**1504...
C4ADUNR27090-15	50	40	90	-	27	7	0.8	DN**1504...

Applicable for 10 MPa coolant

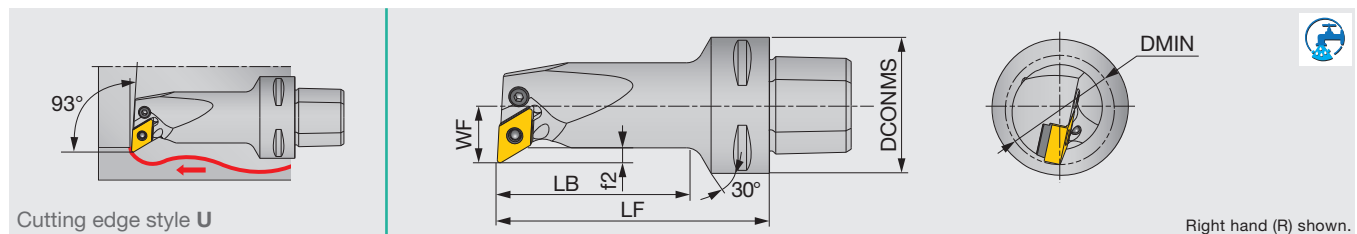
SPARE PARTS

Designation	Clamp	Clamp screw	Shim	Shim screw	Spring	Spring pin	Wrench
C*ADUNR/L...	ACP4S	ACS-5W	ASD423(04)	CSTB-3.5	BP-7	SP-2.5	T-15F

Option: ASD423 (Shim for DN**1506**)

C-PDUNR/L

Lever-lock internal toolholder, for negative 55° rhombic inserts



Cutting edge style U

Right hand (R) shown.

Metric	DMIN	DCONMS	LF	LB	WF	f2	RE	Insert
C4PDUNR/L17080-11	32	40	80	58.5	17	4.4	0.8	DN**1104...

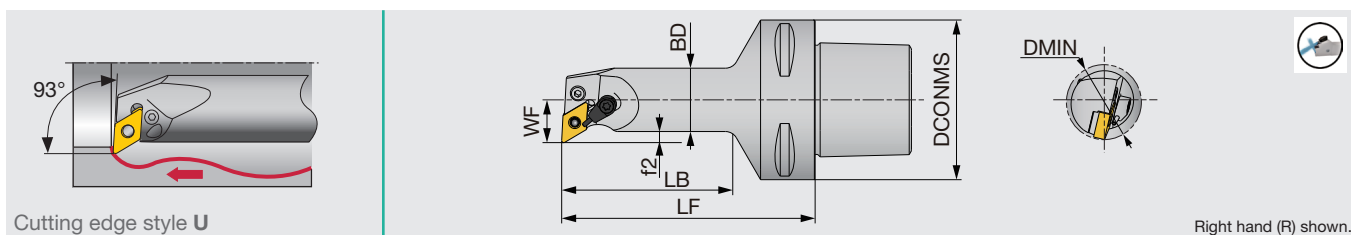
Applicable for 10 MPa coolant

SPARE PARTS

Designation	Lever	Clamping screw	Shim	Spring pin	Wrench
C4PDUNR17080-11	LCL33L	LCS3	ELSD317BR	LSP3	P-2.5
C4PDUNL17080-11	LCL33L	LCS3	ELSD317BL	LSP3	P-2.5

Reference pages: C-SWLXR/L: Inserts → **B161** -
 C-ADUNR/L: Inserts → **B067** -, CBN → **B174** -, PCD → **B194** -
 C-PDUNR/L: Inserts → **B067** -

Lever-lock internal toolholder, for negative 55° rhombic inserts



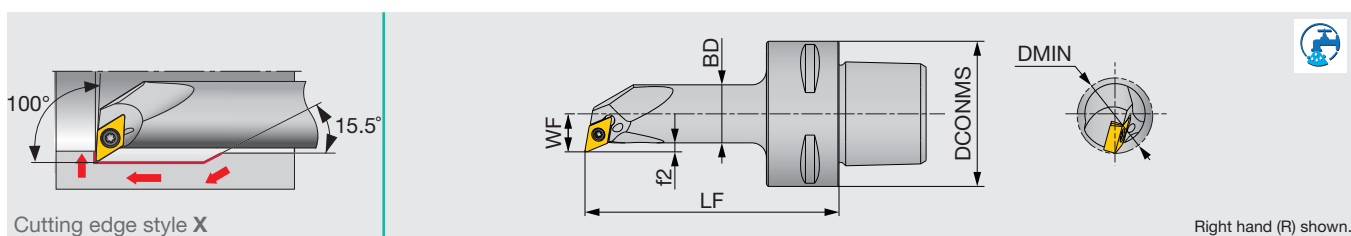
Metric	DMIN	DCONMS	BD	LF	LB	WF	f2	RE	Insert
C6PDUNL17100-1104-CHP	32	63	25	100	67.5	17	4.5	0.8	DN**1104...

Applicable for 14 MPa coolant

SPARE PARTS

Designation	Shim	Clamping screw	Coolant unit	Wrench	Spring pin	Lever
C6PDUNL17100-1104-CHP	ELSD317BL	LCS43	S-CU-CHP	P-2.5	LSP3	LCL33L

Screw-on internal toolholder, for DXGU inserts



Metric	DMIN	DCONMS	BD	LF	LB	WF	f2	RE	Insert
C3SDXXR11065-07	20	32	16	65	45	10.6	2.5	0.4	DXGU0703**L...
C3SDXXR13080-07	24	32	20	80	62	12.6	2.5	0.4	DXGU0703**L...
C4SDXXR11070-07	20	40	16	70	46	10.6	2.5	0.4	DXGU0703**L...
C4SDXXR13080-07	24	40	20	80	58	12.6	2.5	0.4	DXGU0703**L...

Applicable for 14 MPa coolant

Use right-hand toolholders (R) with left-hand inserts (L).

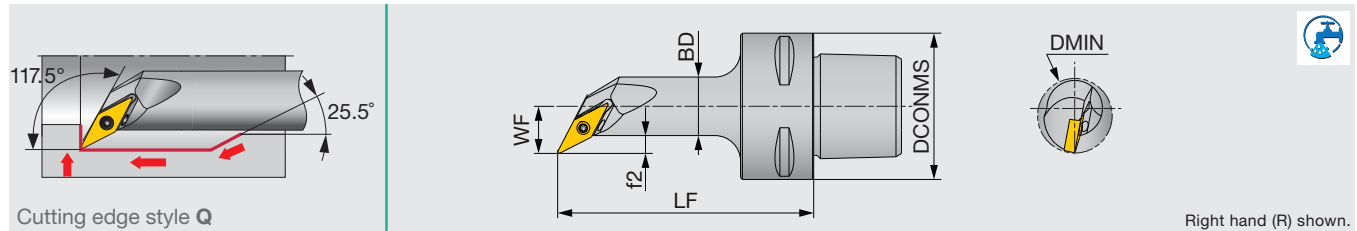
SPARE PARTS

Designation	Clamping screw	Wrench
C*SDXXR...	SR34-514	T-7F

Reference pages: C-PDUNR/L: Inserts → **B067** -
C-SDXXR: Inserts → **B127** -

C-SVQBR/L

Screw-on internal toolholder, for positive 35° rhombic inserts



Metric	DMIN	DCONMS	BD	LF	LB	WF	f2	RE	Insert
C3SVQBR13065-11	21.5	32	16	65	45	13	4.9	0.4	VB**11...
C3SVQBR15080-11	25.5	32	20	80	59	15	4.9	0.4	VB**11...
C3SVQBR18090-16	30.5	32	25	90	71	17.5	4.9	0.8	VB**16...
C4SVQBR13070-11	21.5	40	16	70	43	13	4.9	0.4	VB**11...
C4SVQBR15080-11	25.5	40	20	80	52	15	4.9	0.4	VB**11...
C4SVQBR18095-16	30.5	40	25	95	68	17.5	4.9	0.8	VB**16...

Applicable for 14 MPa coolant

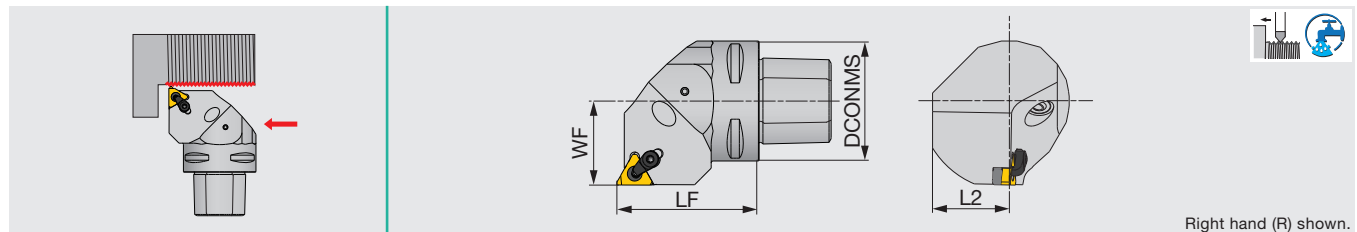
SPARE PARTS

Designation	Clamping screw	Wrench
C*SVQBR**-11	CSTB-2.5	T-6F
C*SVQBR**-16	CSTB-3.5	T-15F

C-CER/L

TUNGTHREAD

External threading toolholder, alternative clamping of screw-on or clamp-on



Metric	DCONMS	LF	L2	WF	Insert
C3CER/L22040-16ERN ⁽³⁾	32	40	20	22	16ER/L...
C4CER/L27050-16ERN ⁽³⁾	40	50	25	27	16ER/L...
C5CEL35060-16ER ⁽¹⁾	50	60	32	35	16ER/L...
C5CER/L35060-16ERN ⁽²⁾	50	60	32	35	16ER/L...
C6CEL45065-16ER ⁽¹⁾	63	65	41	45	16ER/L...
C6CER/L45065-16ERN ⁽²⁾	63	65	41	45	16ER/L...

(1) Applicable for 3 MPa coolant (2) & (3) Applicable for 7 MPa coolant

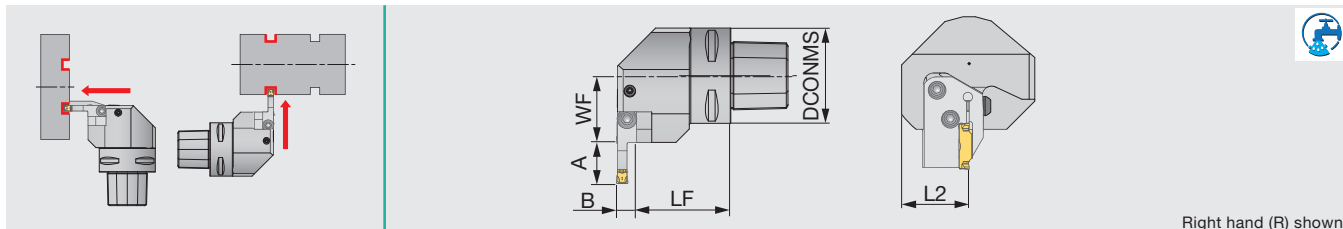
SPARE PARTS

Designation	Shim	Shim screw	Clamp screw	Clamping screw	Wrench 1	Wrench 2	Coolant parts
C*CER/L*****-16ER...	A16-1DT	DTS5-3.5	CSTB-3.5ST	CSP16	T-15F	P-3.5	EZ104 ⁽¹⁾
C*CER/L*****-16ER...	A16-1DT	DTS5-3.5	CSTB-3.5ST	CSP16	T-15F	P-3.5	SATZ-M10X1-M5 ⁽²⁾
C*CER/L*****-16ER...	A16-1DT	DTS5-3.5	CSTB-3.5ST	CSP16	T-15F	P-3.5	SATZ-M8X1-M3 ⁽³⁾

(1) Applicable for 3 MPa coolant (2) & (3) Applicable for 7 MPa coolant

Reference pages: C-SVQBR/L: Inserts → **B152** -, CBN → **B191** -
C-CER/L: Inserts → **E010** -

Shank for CAER/L and CAFR/L blades



Right hand (R) shown.

Metric	DCONMS	LF	L2	WF	A	B
C3CHFVR/L22040N	32	32.5	35	22	*Table:	*Table:
C4CHFVR/L27050N	40	42.5	36	27	*Table:	*Table:
C5CHFVR/L35060N	50	49.5	36	35	*Table:	*Table:
C6CHFVR/L45065N	63	54.5	41	45	*Table:	*Table:

Applicable for 7 MPa coolant
See the table below for the offset dimensions.

SPARE PARTS

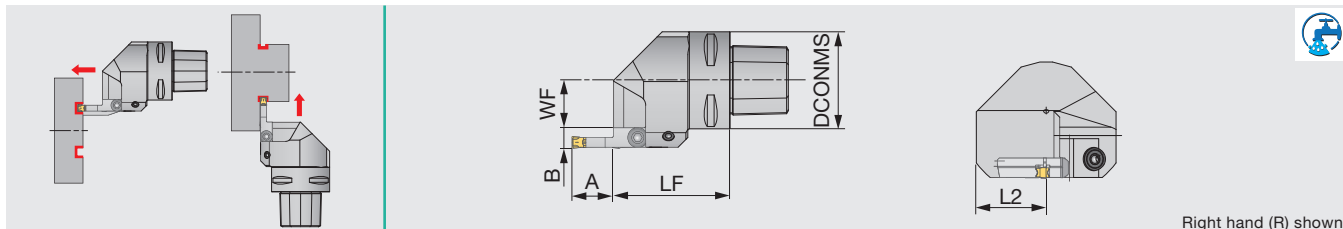
Designation	Coolant parts1	Coolant parts2	Clamping screw	Wrench
C5CHFV*35060N	SATZ-M10X1-M5	-	CSHB-6-A	P-4
C6CHFV*45065	CNZ125	PNZ5	CSHB-6-A	P-4
C6CHFV*45065N	SATZ-M10X1-M5	-	CSHB-6-A	P-4

Combination of blade and toolholder

Toolholder	Blade			
	CAER...	CAEL...	CAFR...	CAFL...
C*CHFVR...	-	●	●	-
C*CHFVL...	●	-	-	●

●: Corresponding

Shank for CAER/L and CAFR/L blades



Right hand (R) shown.

Metric	DCONMS	LF	L2	WF	A	B
C3CHSR/L22050N	32	50	35	11.5	*Table:	*Table:
C4CHSR/L27050N	40	50	36	16.5	*Table:	*Table:
C5CHSR/L35060N	50	60	36	24.5	*Table:	*Table:
C6CHSR/L45065N	63	65	41	34.5	*Table:	*Table:

Applicable for 7 MPa coolant
See the table below for the offset dimensions.

SPARE PARTS

Designation	Coolant parts1	Coolant parts2	Clamping screw	Wrench
C4CHS*27050N	SATZ-M8X1-M3	-	CSHB-6-A	P-4
C5CHS*35060	CNZ125	PNZ5	CSHB-6-A	P-4
C*CHS**506*N	SATZ-M10X1-M5	-	CSHB-6-A	P-4

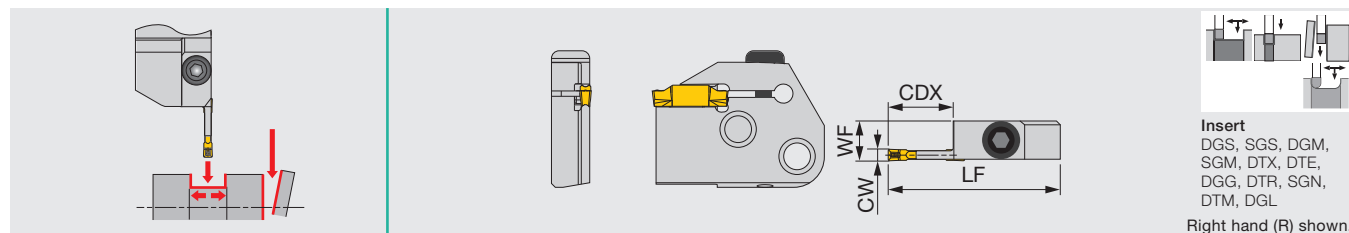
Combination of blade and toolholder

Toolholder	Blade			
	CAER...	CAEL...	CAFR...	CAFL...
C*CHSR...	●	-	-	●
C*CHSL...	-	●	●	-

●: Corresponding

*Table: Off set dimensions for blade

Application	Blade	A	B
For external grooving	CAER/L-3T16	16	10.4
	CAER/L-4T16	16	10.5
	CAER/L-5T20	20	10.5
	CAER/L-6T20	20	10.5
	CAFR/L-3T12-*	12	10.4
For face grooving	CAFR/L-4T16-*	16	10.5
	CAFR/L-5T20-*	20	10.5
	CAFR/L-6T20-*	25	10.5



Inch	CW (in)	Seat size	CDX	LF	WF	Shank	Torque
CAER/L-3T16	0.118	3	0.630	1.772	0.409	C*CHSR/L, C*CHFVL/R	3.69
CAER/L-4T16	0.157	4	0.630	1.772	0.413	C*CHSR/L, C*CHFVL/R	3.69
CAER/L-5T20	0.197	5	0.787	1.929	0.413	C*CHSR/L, C*CHFVL/R	3.69
CAER/L-6T20	0.236	6	0.787	1.929	0.413	C*CHSR/L, C*CHFVL/R	3.69

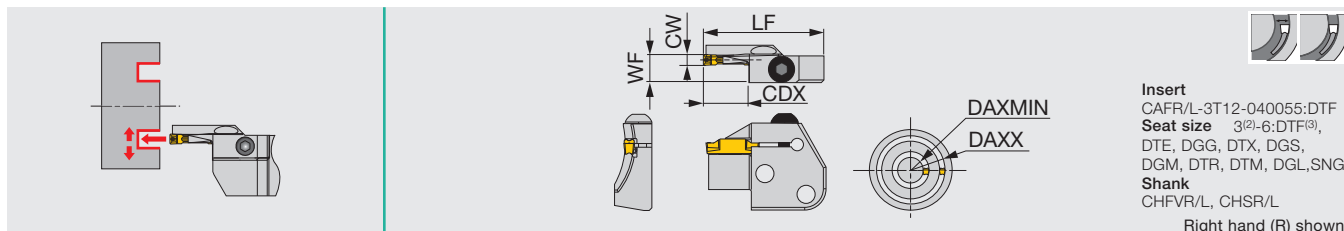
Metric	CW	Seat size	CDX	LF	WF	Shank	Torque*
CAER/L-3T16	3	3	16	45	10.4	C*CHSR/L, C*CHFVL/R	5
CAER/L-4T16	4	4	16	45	10.5	C*CHSR/L, C*CHFVL/R	5
CAER/L-5T20	5	5	20	49	10.5	C*CHSR/L, C*CHFVL/R	5
CAER/L-6T20	6	6	20	49	10.5	C*CHSR/L, C*CHFVL/R	5

Torque: Recommended clamping torque: lbs-ft (*N·m)
 When groove depth is larger than (insert length - 0.059"/1.5 mm), please use 1-cornered insert.
 Not compatible with TungModularSystem

SPARE PARTS

Designation	Clamping screw	Wrench
CAER/L...	BHM6-20-A	P-4

Blade for face grooving and turning



Inch	CW (in)	CW (mm)	DAXMIN	DAXX	Seat size	CDX	LF	WF ⁽¹⁾
CAFR/L-3T12-040055	0.118	3	1.575	2.17	3	0.472	1.772	0.409
CAFR/L-3T12-055075	0.118	3	2.165	2.95	3	0.472	1.772	0.409
CAFR/L-3T12-075100	0.118	3	2.953	3.94	3	0.472	1.772	0.409
CAFR/L-3T12-100140	0.118	3	3.937	5.51	3	0.472	1.772	0.409
CAFR/L-3T12-140200	0.118	3	5.512	7.87	3	0.472	1.772	0.409
CAFR/L-4T16-050070	0.157	4	1.969	2.76	4	0.63	1.772	0.413
CAFR/L-4T16-070100	0.157	4	2.756	3.94	4	0.63	1.772	0.413
CAFR/L-4T16-100150	0.157	4	3.937	5.91	4	0.63	1.772	0.413
CAFR/L-4T16-150250	0.157	4	5.906	9.84	4	0.63	1.772	0.413
CAFR/L-5T20-055080	0.197	5	2.165	3.15	5	0.787	1.929	0.413
CAFR/L-5T20-080120	0.197	5	3.15	4.72	5	0.787	1.929	0.413
CAFR/L-5T20-120180	0.197	5	4.724	7.09	5	0.787	1.929	0.413
CAFR/L-5T20-180300	0.197	5	7.087	11.81	5	0.787	1.929	0.413
CAFR/L-5T20-300000	0.197	5	11.811	0	5	0.787	1.929	0.413
CAFR/L-6T25-060090	0.236	6	2.362	3.54	6	0.984	2.165	0.413
CAFR/L-6T25-090150	0.236	6	3.543	5.91	6	0.984	2.165	0.413
CAFR/L-6T25-150250	0.236	6	5.906	9.84	6	0.984	2.165	0.413
CAFR/L-6T25-250400	0.236	6	9.843	15.75	6	0.984	2.165	0.413

Metric	CW	DAXMIN	DAXX	Seat size	CDX	LF	WF ⁽¹⁾
CAFR/L-3T12-040055	3	40	55	3	12	45	10.4
CAFR/L-3T12-055075	3	55	75	3	12	45	10.4
CAFR/L-3T12-075100	3	75	100	3	12	45	10.4
CAFR/L-3T12-100140	3	100	140	3	12	45	10.4
CAFR/L-3T12-140200	3	140	200	3	12	45	10.4
CAFR/L-4T16-050070	4	50	70	4	16	45	10.5
CAFR/L-4T16-070100	4	70	100	4	16	45	10.5
CAFR/L-4T16-100150	4	100	150	4	16	45	10.5
CAFR/L-4T16-150250	4	150	250	4	16	45	10.5
CAFR/L-5T20-055080	5	55	80	5	20	49	10.5
CAFR/L-5T20-080120	5	80	120	5	20	49	10.5
CAFR/L-5T20-120180	5	120	180	5	20	49	10.5
CAFR/L-5T20-180300	5	180	300	5	20	49	10.5
CAFR/L-5T20-300000	5	300	∞	5	20	49	10.5
CAFR/L-6T25-060090	6	60	90	6	25	55	10.5
CAFR/L-6T25-090150	6	90	150	6	25	55	10.5
CAFR/L-6T25-150250	6	150	250	6	25	55	10.5
CAFR/L-6T25-250400	6	250	400	6	25	55	10.5

When groove depth is larger than (insert length - 1.5 mm), please use 1-cornered insert.

Not compatible with TungModularSystem

(1) WF is calculated with the groove width CW in the above table.

(2) Not applicable to CAFR/L-3T12-040055

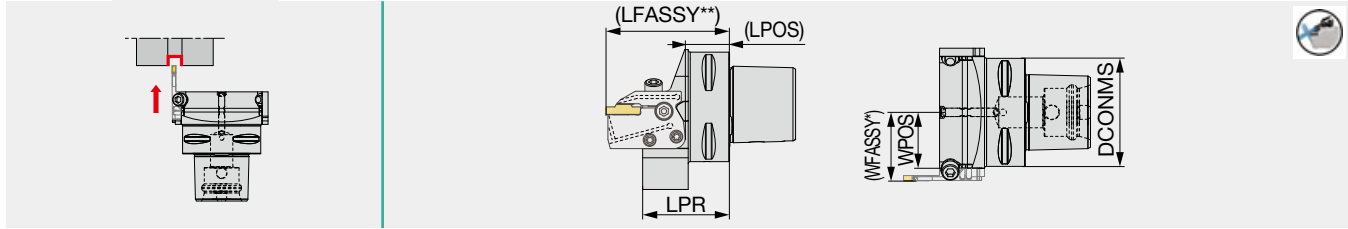
(3) Seat sizes of DTF are only 3 and 4.

SPARE PARTS

Designation	Clamping screw	Wrench
CAFR/L...	BHM6-20-A	P-4

Insert	Groove width		Min. dia. for face grooving	
	CW (in)	CW (mm)	DAXMIN (in)	DAXMIN (mm)
DGM / DGS / SGN / DGL	0.118	3	3.622	92
DGM / DGS / SGN / DGL	0.157	4	1.457	37
DGM / DGS / DGL	0.197	5	2.362	60
DGM / DGS / DGL	0.236	6	2.244	57
DTE / DGG / DTM	0.118	3	2.441	62
DTE / DGG / DTM	0.157	4	1.654	42
DTE / DGG / DTM	0.197	5	2.520	64
DTE / DGG / DTM	0.236	6	2.402	61
DTR	0.118	3	1.732	44
DTR	0.157	4	1.260	32
DTR	0.197	5	1.890	48
DTR	0.236	6	1.890	48
DTX	0.118	3	0.748	19
DTX	0.157	4	0.787	20
DTX	0.197	5	0.787	20
DTX	0.236	6	0.906	23
DTF	0.118	3	0.748	19
DTF	0.157	4	0.787	20

Reference pages: CAFR/L: Inserts → **F178 -**



Metric	DCONMS	LPR	LPOS	WPOS	Blade (Option)	Torque
C4CHSN21047-CHP	40	46.5	21.5	21	CAER/L...-CHP	6.5
C5CHSN26047-CHP	50	47	22.5	26	CAER/L...-CHP	6.5
C6CHSN33050-CHP	63	50	24.5	32.5	CAER/L...-CHP	6.5

When groove depth is larger than (insert length - 1.5 mm), please use 1-cornered insert

*WFASSY : Shank (WPOS) + blade (WF) **LFASSY : Shank (LPOS) + blade (LF)

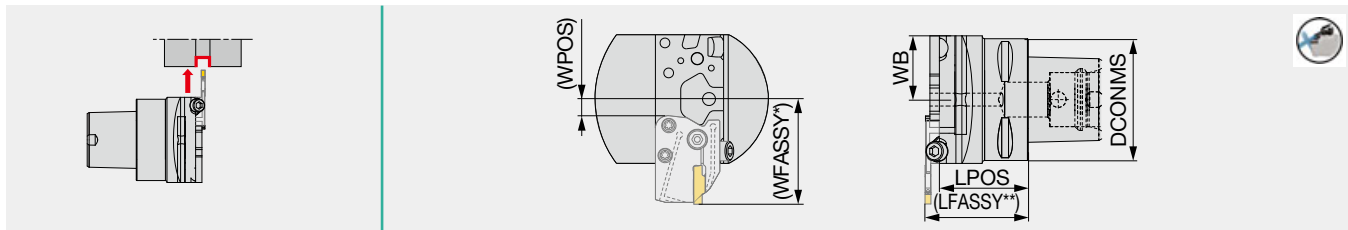
Torque: Recommended clamping torque: N·m

Applicable for 30 MPa coolant

See page L043 for instructions on installing and removing the blade or the insert.

SPARE PARTS

Designation	Clamping screw1	Clamping screw2	Clamping screw3	Wrench 1	Wrench 2	O-ring
C*CHSN...-CHP	SR M5-04451	SR M6X12DIN6912	SR M6X20-XT	T-20/5	HW5.0	OR 5X1N



Metric	DCONMS	LPOS	WB	WPOS	Blade (Option)	Torque
C4CHFVN26046-CHP	40	46	26	1.5	CAER/L...-CHP	6.5
C5CHFVN26046-CHP	50	46	26	1.5	CAER/L...-CHP	6.5
C6CHFVN33046-CHP	63	46	33	8.5	CAER/L...-CHP	6.5

When groove depth is larger than (insert length - 1.5 mm), please use 1-cornered insert

*WFASSY : Shank (WPOS) + blade (LF) **LFASSY : Shank (LPOS) + blade (WF)

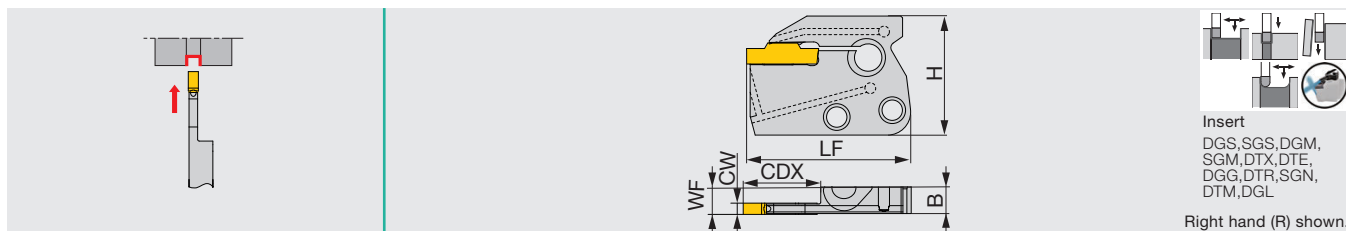
Torque: Recommended clamping torque: N·m

Applicable for 30 MPa coolant

See page L043 for instructions on installing and removing the blade or the insert.

SPARE PARTS

Designation	Clamping screw1	Clamping screw2	Clamping screw3	Wrench 1	Wrench 2	O-ring
C*CHFVN...-CHP	SR M5-04451	SR M6X12DIN6912	SR M6X20-XT	T-20/5	HW5.0	OR 5X1N



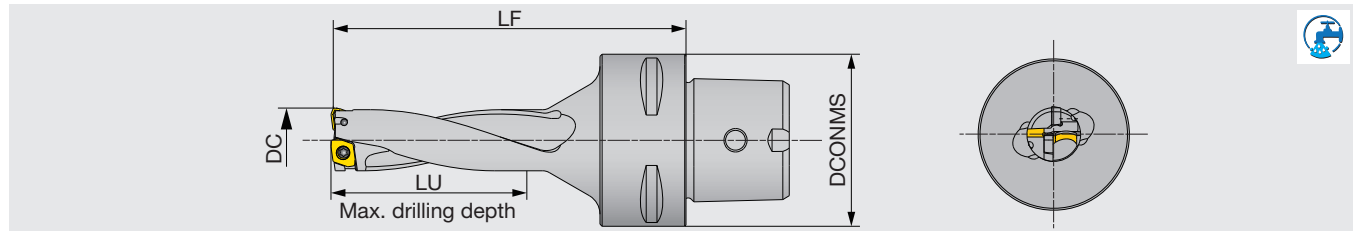
Insert
DGS,SGS,DGM,
SGM,DTX,DTE,
DGG,DTR,SGN,
DTM,DGL

Right hand (R) shown.

Inch	CW (in)	CW (mm)	Seat size	CDX	H	B	LF	WF ⁽¹⁾
CAER/L-2T16-CHP	0.079	2	2	0.63	1.299	0.283	1.634	0.287
CAER/L-2T20-CHP	0.079	2	2	0.787	1.299	0.283	1.791	0.287
CAER/L-3T16-CHP	0.118	3	3	0.63	1.299	0.283	1.634	0.291
CAER/L-3T20-CHP	0.118	3	3	0.787	1.299	0.283	1.791	0.295
CAER/L-4T16-CHP	0.157	4	4	0.63	1.299	0.283	1.634	0.303
CAER/L-4T20-CHP	0.157	4	4	0.787	1.299	0.283	1.791	0.303
CAER/L-5T20-CHP	0.197	5	5	0.787	1.299	0.283	1.823	0.307
CAER/L-6T20-CHP	0.236	6	6	0.787	1.299	0.283	1.823	0.307

Metric	CW	Seat size	CDX	H	B	LF	WF ⁽¹⁾
CAER/L-2T16-CHP	2	2	16	33	7.2	41.5	7.3
CAER/L-2T20-CHP	2	2	20	33	7.2	45.5	7.3
CAER/L-3T16-CHP	3	3	16	33	7.2	41.5	7.4
CAER/L-3T20-CHP	3	3	20	33	7.2	45.5	7.5
CAER/L-4T16-CHP	4	4	16	33	7.2	41.5	7.7
CAER/L-4T20-CHP	4	4	20	33	7.2	45.5	7.7
CAER/L-5T20-CHP	5	5	20	33	7.2	46.3	7.8
CAER/L-6T20-CHP	6	6	20	33	7.2	46.3	7.8

When groove depth is larger than (insert length - 1.5 mm), please use 1-cornered insert.
(1) "WF" value is calculated with groove width "CW" shown in the table.



Metric	DC	DCONMS	LF	LU	Max. offset (radial)	Insert
C4TDX150L082-3	15	40	82	45.5	0.9	XPMT050204R-D*
C4TDX200L101-3	20	40	101	60.5	0.5	XPMT06X308R-D*
C4TDX250L125-3	25	40	125	75.6	0.4	XPMT07H308R-D*
C4TDX300L139-3	30	40	139	90.7	0.7	XPMT08T308R-D*
C6TDX200L101-3	20	63	101	60.5	0.5	XPMT06X308R-D*
C6TDX250L121-3	25	63	121	75.6	0.4	XPMT07H308R-D*
C6TDX300L139-3	30	63	139	90.7	0.7	XPMT08T308R-D*
C6TDX350L159-3	35	63	159	106.1	1.8	XPMT110412R-D*
C6TDX400L177-3	40	63	177	121.1	0.5	XPMT110412R-D*

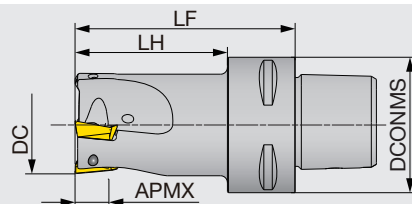
Applicable for 14 MPa coolant

SPARE PARTS



Designation	Clamping screw	Wrench
C4TDX150L082-3	CSTB-2L040	T-6D
C4TDX200L101-3	CSTB-2.2R	T-7D
C4TDX250L125-3	CSTB-2.5	T-8D
C4TDX300L139-3	CSTB-3	T-9D
C6TDX200L101-3	CSTB-2.2R	T-7D
C6TDX250L121-3	CSTB-2.5	T-8D
C6TDX300L139-3	CSTB-3	T-9D
C6TDX350L159-3	CSTB-4	T-15D
C6TDX400L177-3	CSTB-4	T-15D

Square shoulder milling



Metric	DC	APMX	DCONMS	CICT	LF	LH	Air hole	Insert
C4EPA10M032R03L065	32	10	40	3	65	45	with	TOMT1004...
C4EPA10M035R03L065	35	10	40	3	65	45	with	TOMT1004...
C6EPA15M040R03L080	40	15	63	3	80	58	with	TOMT1506...
C6EPA15M050R04L080	50	15	63	4	80	58	with	TOMT1506...

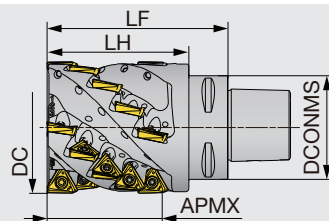
Applicable for 14 MPa coolant

SPARE PARTS



Designation	Clamping screw	Torx bit	Grip
C4EPA10M0**R03L065	SR14-562/S	BLDT10/S7	SW6-SD
C6EPA15M0**R0*L080	TS45120I	BT20S	H-TB2W

Square shoulder milling (for large depth of cut)



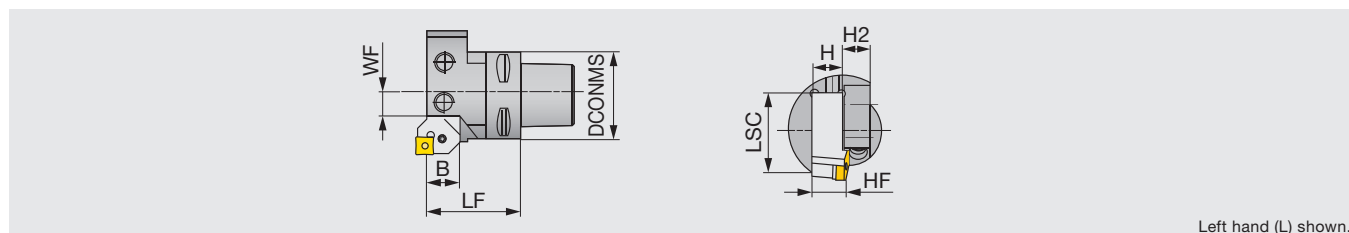
Metric	DC	APMX	DCONMS	CICT	ZEFP	LF	LH	Air hole	Insert
C6TLA15M063R03L100	63	55	63	12	3	100	78	with	TOMT1506...
C6TLA15M080R04L110	80	70	63	20	4	110	86.2	with	TOMT1506...

Applicable for 14 MPa coolant

SPARE PARTS



Designation	Clamping screw	Torx bit	Grip
C6TLA15M0**R0*L1**	TS45120I	BT20S	H-TB2W

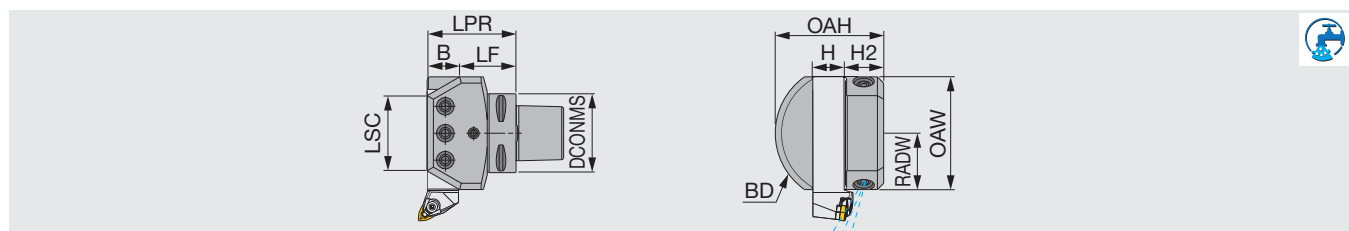


Metric	DCONMS	WF	LF	B	HF	H2	H	LSC
C3ADE-16R/L	32	17	45	16	16	26	16	45
C4ADE-20R/L	40	8	49.2	20	20	26	20	57
C5ADE-20R/L	50	8	55.2	20	20	20	20	57

Regular shank should be shortened.
Applicable for 10 MPa coolant

C-ASHA

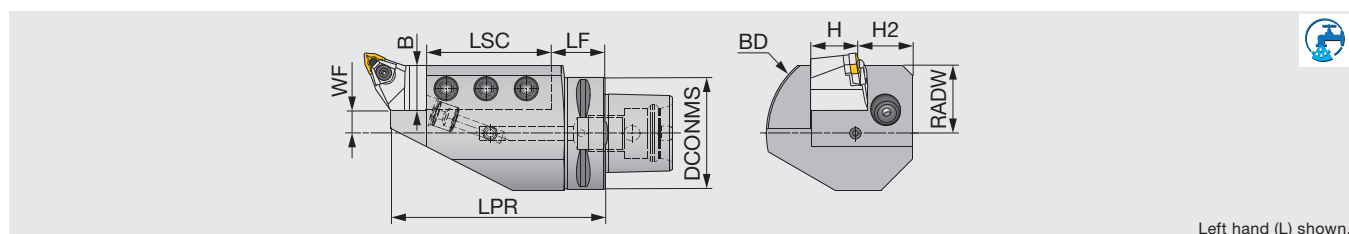
Adapter for square shank toolholders



Metric	DCONMS	H	B	LPR	LSC	LF	RADW	OAW	H2	OAH	BD
C5ASHA20	50	20	20	58	46	38	38	76	31.5	76.5	90
C6ASHA20	63	20	20	60	46	40	38	76	31.5	76.5	90
C6ASHA25	63	25	25	71	61	46	45	90	31.6	86.5	110

Applicable for 10 MPa coolant

Adapter for square shank toolholders



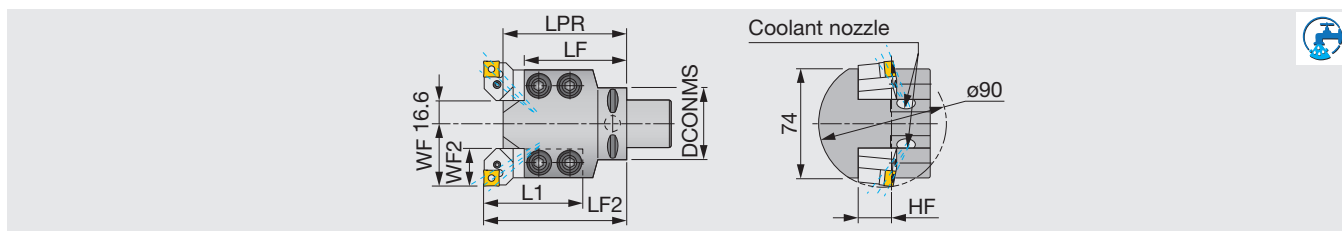
Inch	DCONMS	LPR	LSC	LF	WF	H	B	H2	RADW	BD
C6 ASHR/L 3/4X1	2.480	3.937	2.5	1.044	0.4	0.75	0.8	1	1.181	3.543
C6 ASHR/L 1X1	2.480	4.724	2.8	1.181	0.5	1	1	1	1.496	3.937
C8 ASHR 1 1/4 1	3.150	5.512	3.74	1.378	0.325	1.25	1.25	1.26	1.575	4.331

Regular shank should be shortened.
Applicable for 10 MPa coolant

TUNGCAP

C-ADES

Adapter for square shank toolholders

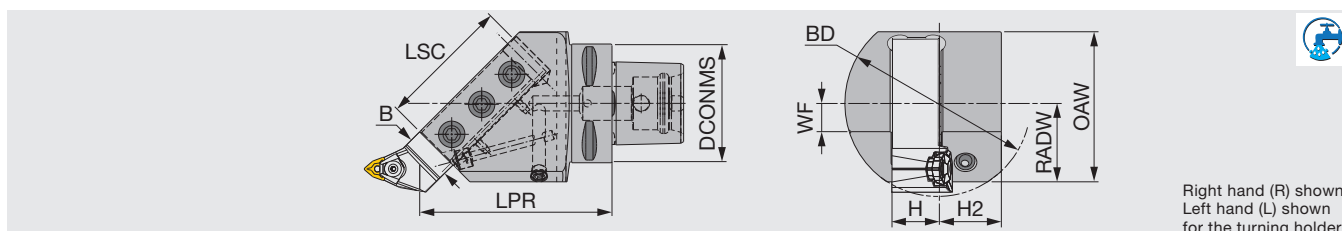


Metric	DCONMS	WF	LF2	LPR	LF	HF	WF2	L1
C4ADES-20	40	41.6	98	85	71	20	25	67
C5ADES-20	50	41.6	98	85	71	20	25	67

Regular shank should be shortened.
Applicable for 10 MPa coolant

C-ASHR/L-45

Adapter for square shank toolholders (with 45° slanted)



Metric	DCONMS	H	B	LSC	LPR	H2	RADW	OAW	WF	BD
C5ASHR/L20-45	50	20	20	-	96.3	26	36	67.5	15	72
C6ASHR/L20-45	63	20	20	70	98.3	26	36	67.5	15	72
C6ASHR/L25-45	63	25	25	70	101.3	33	41.6	79.6	15	100

Regular shank should be shortened.
Applicable for 10 MPa coolant

Fig. 1

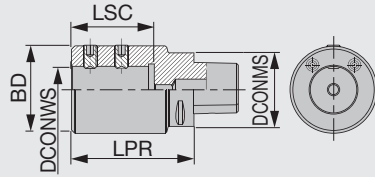
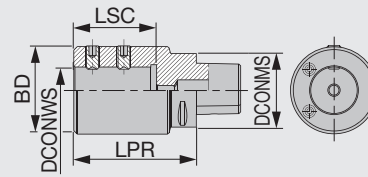


Fig. 2



Inch	DCONMS	DCONWS	BD	LPR	LSC	Fig.
C6ABB1X2.36	2.480	1.000	2.480	3.937	2.362	2
C6ABB1-1/2X2.75	2.480	1.500	2.953	4.134	2.756	1

Use the appropriate outlet screw according to the tool setup.
Applicable for 7 MPa coolant

SPARE PARTS

Designation	Clamp screw		Coolant outlet screw for internal supply	Coolant outlet screw for external supply
	Used on A-type sleeves	Used on B-type sleeves		
C6ABB1X2.36	SCREW1/2-20X.500EM	HSSS3/8-24X0.250CUP.P	SRM10X6DIN913	SRM6X8DIN913
C6ABB11/2X2.75	SCREW1/2-20X.500EM	HSSS1/2-20X1.251/2DOGP	SRM10X6DIN913	SRM6X8DIN913

SC

Sleeve for C-ABB adapter

Fig. A

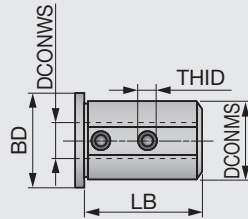
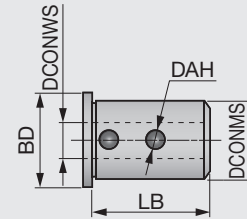
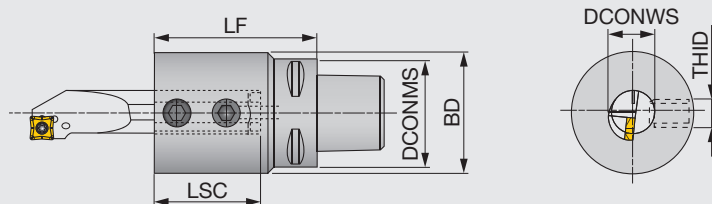


Fig. B



Inch	DCONMS	DCONWS	BD	LB	THID	DAH	Fig.
SC1-1/2T.250A	1.5	0.25	1.811	2.283	M6	-	A
SC1-1/2T.312A	1.5	0.312	1.811	2.283	M6	-	A
SC1-1/2T.375A	1.5	0.375	1.811	2.283	M8	-	A
SC1-1/2T.500A	1.5	0.5	1.811	2.283	M9	-	A
SC1-1/2T.625B	1.5	0.625	1.811	2.283	-	0.591	B
SC1-1/2T.750B	1.5	0.75	1.811	2.283	-	0.591	B
SC1-1/2T1.000B	1.5	1	1.811	2.283	-	0.591	B
SC1-1/2T1.250B	1.5	1.25	1.811	2.283	-	0.591	B

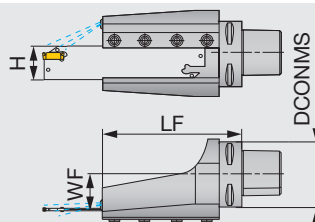


Metric	DCONMS	LF	LSC	DCONWS	BD	THID
C3ADI10	32	50	20	10	36	M6
C3ADI12	32	50	21.5	12	36	M8
C3ADI16	32	50	29.5	16	36	M8
C4ADI10	40	50	20	10	36	M6
C4ADI12	40	50	24	12	36	M8
C4ADI16	40	50	32	16	36	M8
C4ADI20	40	60	35	20	36	M10
C4ADI25	40	70	45	25	54	M12
C5ADI10	50	60	26	10	36	M6
C5ADI12	50	60	26	12	36	M8
C5ADI16	50	60	32	16	36	M8
C5ADI20	50	60	40	20	36	M10
C5ADI25	50	70	50	25	54	M12
C5ADI32	50	100	76	32	68	M12
C6ADI12	63	65	36	12	36	M8
C6ADI16	63	65	36	16	36	M8
C6ADI20	63	65	40	20	36	M10
C6ADI25	63	76	51	25	54	M12
C6ADI32	63	100	76	32	68	M12
C6ADI40	63	100	76	40	98	M12
C6ADI50	63	115	86	50	98	M12
C8ADI12	80	70	36	12	36	M8
C8ADI16	80	70	36	16	36	M8
C8ADI20	80	70	40	20	36	M10
C8ADI25	80	80	51	25	54	M12
C8ADI32	80	110	86	32	68	M12
C8ADI40	80	115	86	40	98	M12
C8ADI50	80	115	86	50	98	M12

Applicable for 7 MPa coolant

C-TBK-R/L

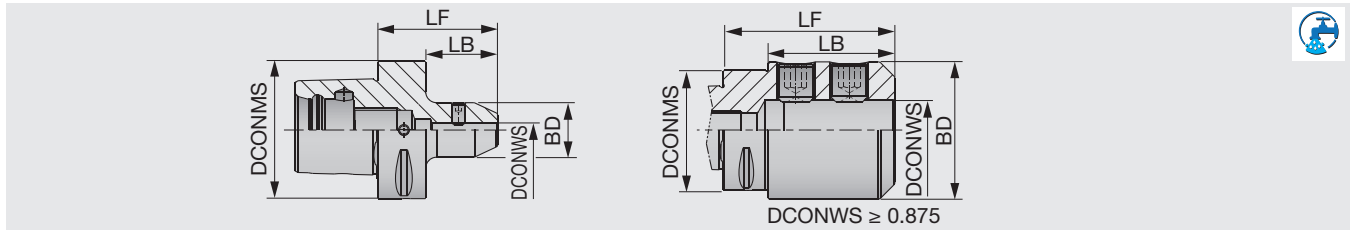
Adapter for parting blades



Right hand (R) shown.

Metric	DCONMS	WF	LF	H
C6TBK-32R/L	63	32	138	32

Applicable for 3 MPa coolant



Inch	DCONMS	DCONWS	BD	LF	LB	Inch	DCONMS	DCONWS	BD	LF	LB
C6EM1/4X2.165	2.48	0.250	0.984	2.165	0.866	C6EM7/8X3.189	2.48	0.875	2.047	3.189	2.480
C6EM3/8X2.362	2.48	0.375	1.378	2.362	1.496	C6EM1X3.347	2.48	1.000	2.559	3.347	2.480
C6EM1/2X2.362	2.48	0.500	1.614	2.362	1.496	C6EM1-1/4X3.500	2.48	1.250	2.795	3.500	2.634
C6EM5/8X2.560	2.48	0.625	1.752	2.560	1.693	C6EM1-1/2X3.500	2.48	1.500	2.992	3.500	2.634
C6EM3/4X2.560	2.48	0.750	1.929	2.560	1.693						

Applicable for 7 MPa coolant

Grade

Insert

Toolholder

Ext. Toolholder

Int. Toolholder

Threading

Grooving

Miniature Tool

Milling Cutter

Endmill

Drilling Tool

Tooling System

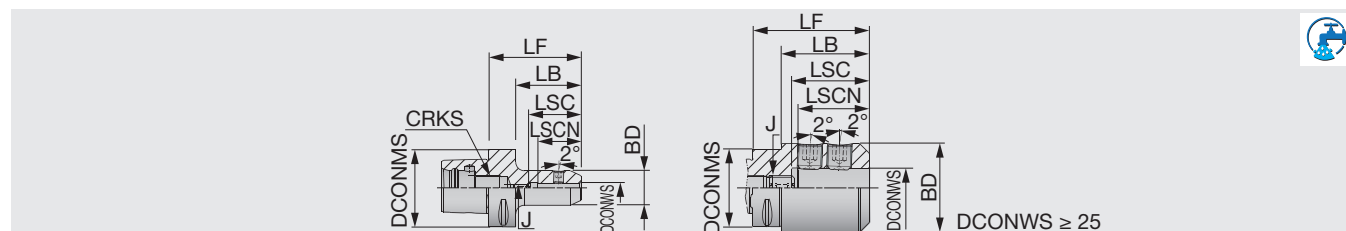
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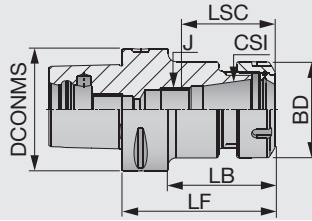
C-EM-E

Side-lock holder for drills (DIN1835 Form E whistle notch)



Metric	DCONMS	DCONWS	BD	LF	LSCN	LSC	LB	J	CRKS
C3EM06X70E	32	6	25	70	30	35	50	5	M14
C3EM12X75E	32	12	42	75	44	49	55	10	M14
C4EM06X70E	40	6	25	70	30	35	50	M5	M14
C4EM08X70E	40	8	28	70	35	43	50	M6	M14
C4EM10X70E	40	10	35	70	39	45	50	M8	M14
C4EM12X75E	40	12	42	75	44	49	55	M10	M14
C4EM14X75E	40	14	44	75	44	49	55	M10	M14
C5EM10X70E	50	10	35	70	39	45	50	M8	M16
C5EM12X75E	50	12	42	75	44	49	55	M10	M16
C5EM14X75E	50	14	44	75	44	49	55	M10	M16
C5EM16X80E	50	16	48	80	47	52	60	M12	M16
C5EM18X80E	50	18	50	80	47	52	60	M12	M16
C5EM20X85E	50	20	52	85	49	55	65	M16	M16
C6EM06X75E	63	6	25	75	30	36	53	M5	M20
C6EM08X75E	63	8	28	75	35	43	53	M6	M20
C6EM10X75E	63	10	35	75	39	46	53	M8	M20
C6EM12X80E	63	12	42	80	44	49	58	M10	M20
C6EM14X80E	63	14	44	80	44	49	58	M10	M20
C6EM16X85E	63	16	48	85	47	52	63	M12	M20
C6EM18X85E	63	18	50	85	47	52	63	M12	M20
C6EM20X85E	63	20	52	85	49	55	63	M16	M20
C6EM25X90E	63	25	65	90	54	60	68	M20	M20
C6EM32X95E	63	32	72	95	58	63	73	M20	M20
C8EM08X65E	80	8	28	65	35	43	35	M6	M20
C8EM10X65E	80	10	35	65	39	46	35	M8	M20
C8EM12X70E	80	12	42	70	44	49	40	M10	M20
C8EM14X70E	80	14	44	70	44	49	40	M10	M20
C8EM16X75E	80	16	48	75	47	52	45	M12	M20
C8EM18X75E	80	18	50	75	47	52	45	M12	M20
C8EM20X80E	80	20	52	80	49	57	50	M16	M20
C8EM25X90E	80	25	65	90	54	60	60	M20	M20
C8EM32X95E	80	32	72	95	58	64	65	M20	M20

Applicable for 7 MPa coolant



Inch	Range min.	Range max.	DCONMS	CSI	BD	LF	LB	J	LSC	Inch	Range min.	Range max.	DCONMS	CSI	BD	LF	LB	J	LSC
C3ER16X45	0.039	0.394	1.26	ER16	1.102	1.772	0.984	-	1.535	C6ER20X100	0.039	0.512	2.48	ER20	1.339	3.937	3.071	M12	2.067
C3ER20X45	0.039	0.512	1.26	ER20	1.339	1.772	1.181	-	1.567	C6ER20X130	0.039	0.512	2.48	ER20	1.339	5.118	4.252	M12	2.067
C4ER16X70	0.039	0.394	1.575	ER16	1.102	2.756	1.969	M10	1.638	C6ER20X160	0.039	0.512	2.48	ER20	1.339	6.299	5.433	M12	2.067
C4ER20X35*	0.039	0.512	1.575	ER20	1.339	1.378	1.063	-	1.567	C6ER25X060	0.039	0.63	2.48	ER25	1.654	2.362	1.496	-	1.591
C4ER20X52	0.039	0.512	1.575	ER20	1.339	2.047	1.26	-	1.539	C6ER25X100	0.039	0.63	2.48	ER25	1.654	3.937	3.071	M16	2.559
C4ER25X38*	0.039	0.63	1.575	ER25	1.654	1.496	1.181	-	1.705	C6ER25X130	0.039	0.63	2.48	ER25	1.654	5.118	4.252	M16	2.874
C4ER25X52	0.039	0.63	1.575	ER25	1.654	2.047	1.26	-	1.606	C6ER25X160	0.039	0.63	2.48	ER25	1.654	6.299	5.433	M16	2.874
C4ER32X54	0.079	0.787	1.575	ER32	1.969	2.126	1.339	-	1.839	C6ER32X060	0.079	0.787	2.48	ER32	1.969	2.362	1.417	-	1.882
C5ER16X100	0.039	0.394	1.969	ER16	1.102	3.937	3.15	M10	2.425	C6ER32X100	0.079	0.787	2.48	ER32	1.969	3.937	3.071	M22X1.5	2.339
C5ER16X130	0.039	0.394	1.969	ER16	1.102	5.118	4.331	M10	2.819	C6ER32X130	0.079	0.787	2.48	ER32	1.969	5.118	4.252	M22X1.5	2.732
C5ER20X055	0.039	0.512	1.969	ER20	1.339	2.165	1.378	-	1.547	C6ER32X160	0.079	0.787	2.48	ER32	1.969	6.299	5.433	M22X1.5	2.732
C5ER20X100	0.039	0.512	1.969	ER20	1.339	3.937	3.15	M12	2.067	C6ER40X065	0.118	1.024	2.48	ER40	2.48	2.559	1.457	-	2.165
C5ER20X130	0.039	0.512	1.969	ER20	1.339	5.118	4.331	M12	2.067	C6ER40X100	0.118	1.024	2.48	ER40	2.48	3.937	3.071	M28X1.5	2.362
C5ER25X055	0.039	0.63	1.969	ER25	1.654	2.165	1.378	-	1.594	C6ER40X130	0.118	1.024	2.48	ER40	2.48	5.118	4.252	M28X1.5	2.756
C5ER25X100	0.039	0.63	1.969	ER25	1.654	3.937	3.15	M16	2.559	C8ER32X70	0.079	0.787	3.15	ER32	1.969	2.756	1.575	-	1.882
C5ER32X057	0.079	0.787	1.969	ER32	1.969	2.244	1.417	-	1.858	C8ER32X100	0.079	0.787	3.15	ER32	1.969	3.937	2.756	M22X1.5	2.378
C5ER32X100	0.079	0.787	1.969	ER32	1.969	3.937	1.417	M22X1.5	2.339	C8ER32X160	0.079	0.787	3.15	ER32	1.969	6.299	5.118	M22X1.5	2.575
C6ER16X100	0.039	0.394	2.48	ER16	1.102	3.937	3.071	M10	2.425	C8ER40X70	0.118	1.024	3.15	ER40	2.48	2.756	1.575	-	2.157
C6ER16X130	0.039	0.394	2.48	ER16	1.102	5.118	4.252	M10	2.819	C8ER40X100	0.118	1.024	3.15	ER40	2.48	3.937	2.756	M28X1.5	2.362
C6ER16X160	0.039	0.394	2.48	ER16	1.102	6.299	5.433	M10	2.819	C8ER40X160	0.118	1.024	3.15	ER40	2.48	6.299	5.118	M28X1.5	2.795
C6ER20X060	0.039	0.512	2.48	ER20	1.339	2.362	1.496	-	1.555										

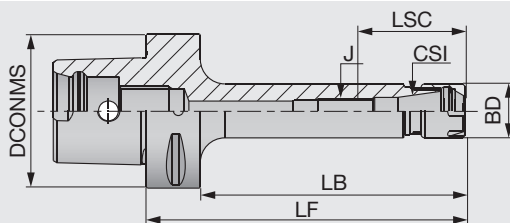
* Without V grooves, for manual use only.
Applicable for 10 MPa coolant

Option: Wrench for ER collet

TUNGCAP

C-ER-M

ER Mini collet chuck holder (DIN6499)



Inch	Range min	Range max	DCONMS	CSI	BD	LF	LB	J	LSC
C4ER16X70M	0.02	0.394	1.575	ER16	0.866	2.756	1.969	M10	1.614
C5ER16X100M	0.02	0.394	1.969	ER16	0.866	3.937	3.15	M10	1.811
C5ER16X130M	0.02	0.394	1.969	ER16	0.866	5.118	4.724	M10	1.811
C6ER16X100M	0.02	0.394	2.48	ER16	0.866	3.937	3.071	M10	1.811
C6ER16X130M	0.02	0.394	2.48	ER16	0.866	5.118	4.252	M10	1.811
C6ER16X160M	0.02	0.394	2.48	ER16	0.866	6.299	5.433	M10	1.811

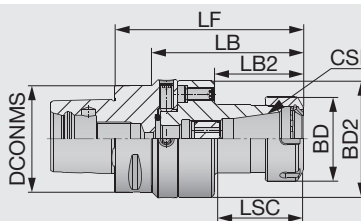
Applicable for 10 MPa coolant

Option: Wrench for ER collet

TUNGCAP

ADJ C-ER

ER collet chuck with center alignment



Inch	DCONMS	CSI	Range min	Range max	BD2	BD	LF	LB	LB2	LSC
ADJC5ER32	1.969	ER32	0.079	0.787	2.756	1.969	4.528	3.74	2.067	2.244
ADJC6ER32	2.48	ER32	0.079	0.787	2.756	1.969	4.39	3.524	2.067	2.244

Applicable for 10 MPa coolant

Option: Wrench for ER collet

Fig. 1

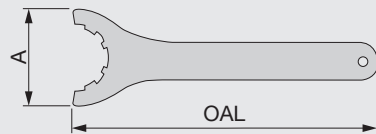


Fig. 2

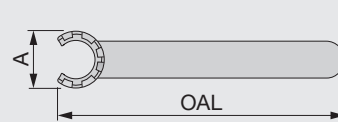
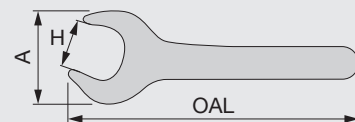


Fig. 3



Metric	A	H	OAL	Fig.
WRENCHER11MINI	16.8	-	95	2
WRENCHER11	32	17	95	3
WRENCHER16MINI	22.5	-	117	2
WRENCHER16	42.8	25	143	3
WRENCHER20MINI	28	-	128	2
WRENCHER20	53.5	30	172	3
WRENCHER25MINI	29	-	120	2
WRENCHER25	70	-	207	1
WRENCHER32	78	-	255	1
WRENCHER40	95	-	285	1
WRENCHER50	110	-	350	1
WRENCHER20SHORTRING22	48	22	260	3
WRENCHER32SHORT	75	36	303	3
WRENCHER40SHORT	94	46	378	3

PRESET ER-JET (Preset screw)

Fig. 1

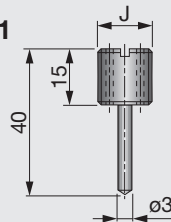
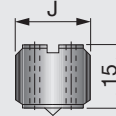
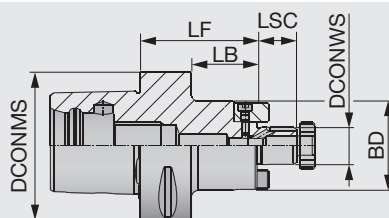


Fig. 2



Metric	J	Fig.
PRESETER-JET8X1	M8X1.0	2
PRESETER-JET8X1.25	M8X1.25	2
PRESETER-JET10X1.5	M10X1.5	2
PRESETER-JET12X1	M12X1.0	2
PRESETER-JET12X1.75L	M12X1.75	1
PRESETER-JET12X1.75	M12X1.75	2
PRESETER-JET14X1	M14X1.0	2
PRESETER-JET16X2	M16X2	2
PRESETER-JET16X2L	M16X2	1
PRESETER-JET18X1	M18X1.0	2
PRESETER-JET18X1.5	M18X1.5	2
PRESETER-JET18X1.5L	M18X1.5	1
PRESETER-JET22X1.5	M22X1.5	2
PRESETER-JET22X1.5L	M22X1.5	1
PRESETER-JET28X1.5	M28X1.5	2

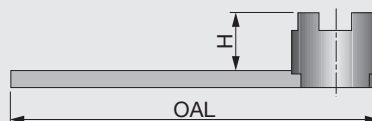


Inch	DCONMS	DCONWS	BD	LF	LSC	LB	Width of key	Height of key	Inch	DCONMS	DCONWS	BD	LF	LSC	LB	Width of key	Height of key
C6SEM3/4X1.377C	2.48	0.75	1.772	1.377	0.669	0.512	8	5	C6SEM1X3.937C	2.48	1.00	2.165	3.937	0.669	3.071	12	6.3
C6SEM3/4X3.937C	2.48	0.75	1.772	3.937	0.669	3.071	8	5	C6SEM1-1/4X2.362C	2.48	1.25	2.519	2.362	0.669	1.496	12.7	6
C6SEM1X1.457C	2.48	1.00	2.165	1.457	0.669	0.59	10	5.4	C6SEM1-1/2X2.362C	2.48	1.50	3.070	2.362	0.937	1.496	14	7
Metric	DCONMS	DCONWS	BD	LF	LSC	LB	Width of key	Height of key	Metric	DCONMS	DCONWS	BD	LF	LSC	LB	Width of key	Height of key
C4SEM16X32C	40	16	38	32	12	17	8	5	C6SEM27X100C	63	27	58	100	21	78	12	6.3
C4SEM16X55C	40	16	38	55	35	17	8	5	C6SEM31.75X60C	63	31.75	64	60	30	-	12.7	6
C4SEM22X40C	40	22	47	40	20	19	10	5.4	C6SEM32X60C	63	32	66	60	24	38	14	7
C4SEM22X55C	40	22	47	55	35	19	10	5.4	C6SEM38.1X60C	63	38.1	78	60	34	-	15.875	8
C5SEM16X35C	50	16	38	35	17	15	8	5	C6SEM40X60C	63	40	82	60	27	38	16	8
C5SEM16X70C	50	16	38	70	17	50	8	5	C8SEM16X50C	80	16	38	50	20	17	8	5
C5SEM22X35C	50	22	47	35	19	15	10	5.4	C8SEM16X100C	80	16	38	100	70	17	8	5
C5SEM22X70C	50	22	47	70	19	50	10	5.4	C8SEM22X50C	80	22	47	50	20	19	10	5.4
C5SEM25.4X37C	50	25.4	55	37	22	-	9.525	4.6	C8SEM22X100C	80	22	47	100	70	19	10	5.4
C5SEM27X40C	50	27	58	40	21	20	12	6.3	C8SEM25.4X50C	80	25.4	50	50	22	20	9.525	4.6
C5SEM31.75X60C	50	31.75	64	60	30	-	12.7	6	C8SEM27X50C	80	27	58	50	20	21	12	6.3
C5SEM32X40C	50	32	63	40	24	20	14	7	C8SEM27X100C	80	27	58	100	70	21	12	6.3
C6SEM16X50C	63	16	38	50	17	28	8	5	C8SEM31.75X50C	80	31.75	60	50	30	20	12.7	7
C6SEM16X100C	63	16	38	100	17	78	8	5	C8SEM32X50C	80	32	66	50	20	24	14	7
C6SEM22X50C	63	22	47	50	19	28	10	5.4	C8SEM32X100C	80	32	66	100	70	24	14	7
C6SEM22X100C	63	22	47	100	19	78	10	5.4	C8SEM38.1X50C	80	38.1	80	50	34	-	15.875	8
C6SEM25.4X37C	63	25.4	55	37	22	15	9.525	4.6	C8SEM40X60C	80	40	82	60	30	27	16	8
C6SEM27X60C	63	27	58	60	21	38	12	6.3									

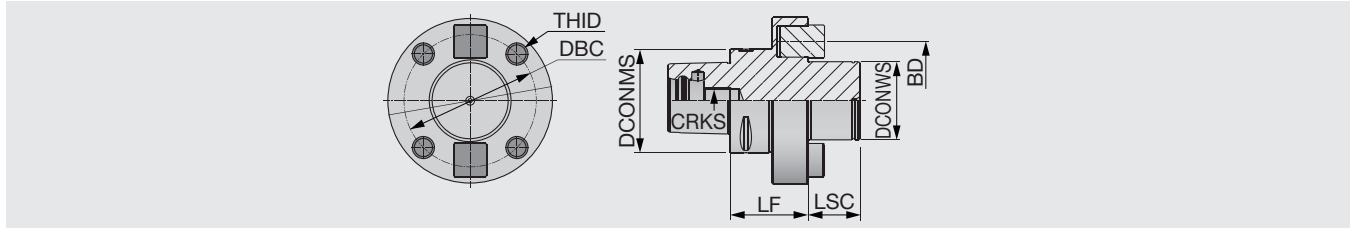
Applicable for 7 MPa coolant

Option: Wrench for lock screw

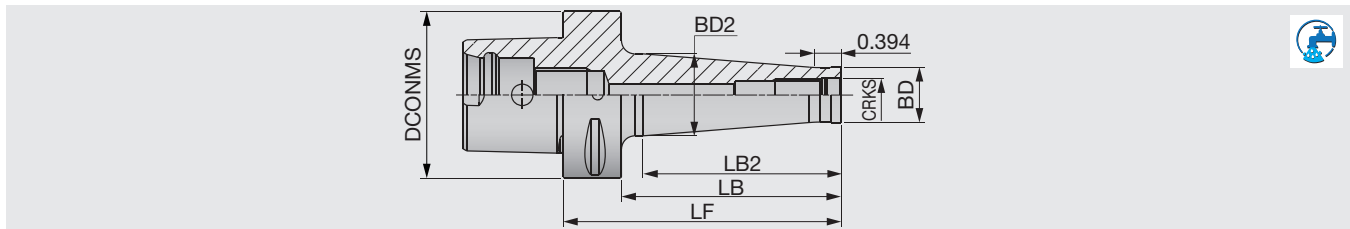
WRENCH SEMC / DIN6368



Metric	Arbor diameter of cutter body	Screw size	H	OAL
WRENCHM8SEMC16	16	M8	20	180
WRENCHM10SEMC22	22	M10	25	200
WRENCHM12SEMC27	25.4 / 27	M12	32	225
WRENCHM16SEMC32	31.75 / 32	M16	36	250
WRENCHM20SEMC40	38.1 / 40	M20	40	280
WRENCHM24SEMC50	50	M24	50	315

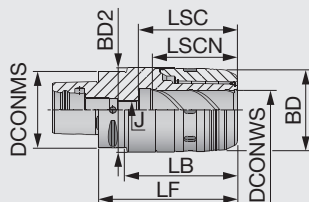


Metric	DCONMS	DCONWS	LSC	LF	BD	DBC	THID	CRKS	Width of key	Height of key
C8FM60X60	80	60	40	60	128	101.6	M16	M20	25.4	12.4



Inch	CRKS	DCONMS	BD	BD2	LF	LB	LB2
C4ODP10X53	M10	1.575	0.709	0.906	2.087	1.299	0.906
C4ODP12X53	M12	1.575	0.827	1.024	2.087	1.299	0.906
C4ODP16X53	M16	1.575	1.142	1.339	2.087	1.299	0.906
C5ODP10X53	M10	1.969	0.709	0.768	2.087	1.299	0.984
C5ODP10X103	M10	1.969	0.709	1.102	4.055	3.268	2.953
C5ODP12X53	M12	1.969	0.827	0.925	2.087	1.299	0.984
C5ODP12X103	M12	1.969	0.827	1.220	4.055	3.268	2.953
C5ODP16X53	M16	1.969	1.142	1.339	2.087	1.299	0.984
C5ODP16X103	M16	1.969	1.142	1.417	4.055	3.268	2.953
C6ODP10X55	M10	2.480	0.709	0.768	2.165	1.299	0.984
C6ODP10X105	M10	2.480	0.709	1.102	4.134	3.268	2.953
C6ODP10X130	M10	2.480	0.709	1.260	5.118	4.252	3.937
C6ODP12X55	M12	2.480	0.827	0.925	2.165	1.299	0.984
C6ODP12X105	M12	2.480	0.827	1.220	4.134	3.268	2.953
C6ODP12X130	M12	2.480	0.827	1.417	5.118	4.252	3.937
C6ODP16X55	M16	2.480	1.142	1.339	2.165	1.299	0.984
C6ODP16X105	M16	2.480	1.142	1.339	4.134	3.268	2.953
C6ODP16X130	M16	2.480	1.142	1.614	5.118	4.252	3.937

Applicable for 10 MPa coolant



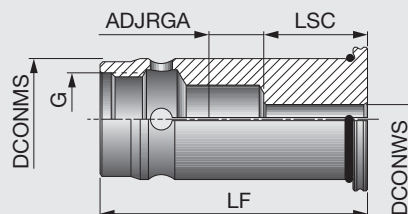
Inch	DCONMS	Range min	Range max	DCONWS	BD	BD2	LF	LB	LSCN	LSC	J
C6MAXIN3/4X3.74	2.48	0.250	0.750	0.750	2.000	2.087	3.780	2.913	2.15	2.64	M16
C6MAXIN1-1/4X4.448	2.48	0.250	1.250	1.250	2.717	2.756	4.528	3.622	2.76	3.23	M16

Applicable for 10 MPa coolant

Option : Wrench for TungMax collet

SC-SEAL

SC sealed straight collet

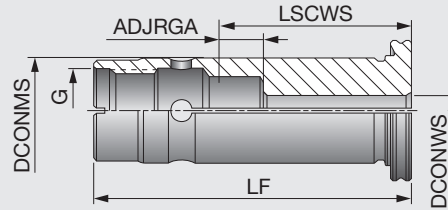


Inch	DCONWS	DCONMS	LF	LSC	ADJRGA	G
SC 3/4 SEAL 1/4	0.250	0.750	2.362	1.102	0.276	M16
SC 3/4 SEAL 5/16	0.313	0.750	2.362	1.102	0.276	M16
SC 3/4 SEAL 3/8	0.375	0.750	2.362	1.378	0.512	M16
SC 3/4 SEAL 7/16	0.438	0.750	2.362	1.575	0.315	M16
SC 3/4 SEAL 1/2	0.500	0.750	2.362	1.575	0.315	M16
SC 3/4 SEAL 5/8	0.625	0.750	2.362	1.543	0.354	M16
SC 1-1/4 SEAL 1/4	0.250	1.250	2.835	1.102	0.689	M2.4X1.5
SC 1-1/4 SEAL 5/16	0.313	1.250	2.835	1.102	0.689	M2.4X1.5
SC 1-1/4 SEAL 3/8	0.375	1.250	2.835	1.378	0.413	M2.4X1.5
SC 1-1/4 SEAL 1/2	0.500	1.250	2.835	1.575	0.217	M2.4X1.5
SC 1-1/4 SEAL 5/8	0.625	1.250	2.835	1.732	0.709	M2.4X1.5
SC 1-1/4 SEAL 3/4	0.750	1.250	2.835	1.811	0.63	M2.4X1.5
SC 1-1/4 SEAL 7/8	0.875	1.250	2.835	1.969	0.453	M2.4X1.5
SC 1-1/4 SEAL 1	1.000	1.250	2.835	2.008	0.453	M2.4X1.5

Applicable for 10 MPa coolant

SC-SPR

SC straight collet



Inch	DCONWS	DCONMS	LF	LSCWS	ADJRGA	G
SC 3/4 SPR 1/4	0.250	0.750	2.362	1.378	0.276	M16
SC 3/4 SPR 5/16	0.313	0.750	2.362	1.378	0.276	M16
SC 3/4 SPR 3/8	0.375	0.750	2.362	1.890	0.512	M16
SC 3/4 SPR 7/16	0.438	0.750	2.362	1.417	0.315	M16
SC 3/4 SPR 1/2	0.500	0.750	2.362	1.378	0.276	M16
SC 3/4 SPR 5/8	0.625	0.750	2.362	1.897	0.354	M16
SC 1-1/4 SPR 1/4	0.250	1.250	2.835	1.791	0.689	M2.4X1.5
SC 1-1/4 SPR 5/16	0.313	1.250	2.835	1.791	0.689	M2.4X1.5
SC 1-1/4 SPR 3/8	0.375	1.250	2.835	1.791	0.413	M2.4X1.5
SC 1-1/4 SPR 1/2	0.500	1.250	2.835	1.792	0.217	M2.4X1.5
SC 1-1/4 SPR 5/8	0.625	1.250	2.835	2.441	0.709	M2.4X1.5
SC 1-1/4 SPR 3/4	0.750	1.250	2.835	2.441	0.630	M2.4X1.5
SC 1-1/4 SPR 7/8	0.875	1.250	2.835	2.422	0.453	M2.4X1.5
SC 1-1/4 SPR 1	1.000	1.250	2.835	2.417	0.409	M2.4X1.5

PRESET SC CAP

Preset screw for SC collets

Fig. 1

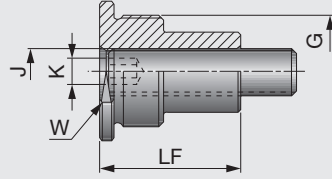
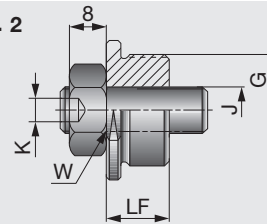
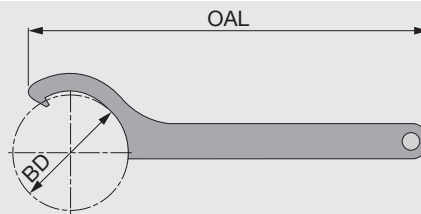


Fig. 2



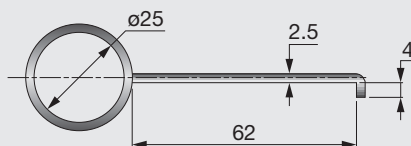
Metric	LF	W	J	G	Range	Key	Collet size	Fig.
PRESETSCCAP8X1.25L	28	16	M8x25	M16	6-8	4	SC20	1
PRESETSCCAP8X1.25	15	16	M8x25	M16	10-16	4	SC20	2
PRESETSCCAP10X1.5L	30	27	M10x30	M24x1.5	6-14	5	SC32	1
PRESETSCCAP10X1.5	13.5	27	M10x30	M24x1.5	16-25	5	SC32	2

Wrench



Metric	BD	OAL	Toolholder
WRENCHMAXIN20HOOK	26	205	MAXIN3/4
WRENCHMAXIN32HOOK	68	240	MAXIN11/4

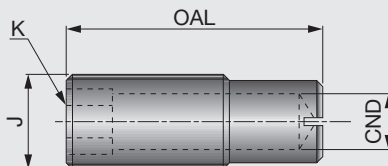
SC collet extracting hook



Metric

EXTRACTORSCCOLLETS

Preset screw



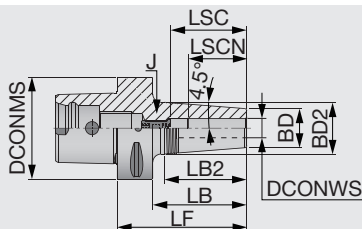
Metric

	J	OAL	CND	K
PRESETMAXIN16X30	M16	30	8	8
PRESETMAXIN16X44	M16	44	8	8
PRESETMAXIN20X55	M20	55	12	12

TUNGCAP
 C-SRKIN

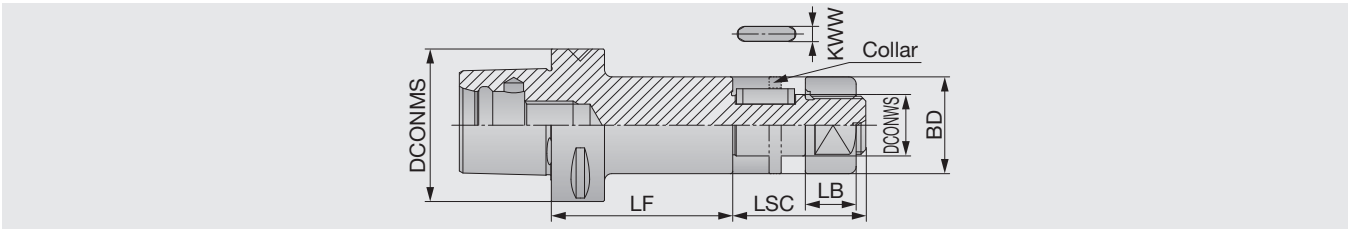
TUNGSHRINK

Shrink holder



Inch	DCONMS	DCONWS	BD	BD2	LF	LB	LB2	LSCN	LSC	J
C6SRKIN1/4X3.150	2.48	0.25	0.827	1.063	3.15	2.363	1.5	0.98	1.42	M5
C6SRKIN5/16X3.150	2.48	0.312	0.827	1.063	3.15	2.363	1.5	0.98	1.42	M6
C6SRKIN3/8X3.150	2.48	0.375	0.945	1.26	3.15	2.363	2	1.22	1.65	M8
C6SRKIN1/2X3.150	2.48	0.5	0.945	1.26	3.15	2.363	2	1.42	1.85	M10
C6SRKIN5/8X3.35	2.48	0.625	1.063	1.339	3.35	2.563	1.75	1.54	1.97	M12
C6SRKIN3/4X3.35	2.48	0.75	1.299	1.654	3.35	2.563	2.25	1.61	2.05	M16
C6SRKIN1X3.55	2.48	1	1.732	2.087	3.55	2.763	2.25	1.85	2.28	M16
C6SRKIN11/4X3.75	2.48	1.25	1.732	2.087	3.75	2.963	2.25	1.85	2.28	M16

Applicable for 10 MPa coolant

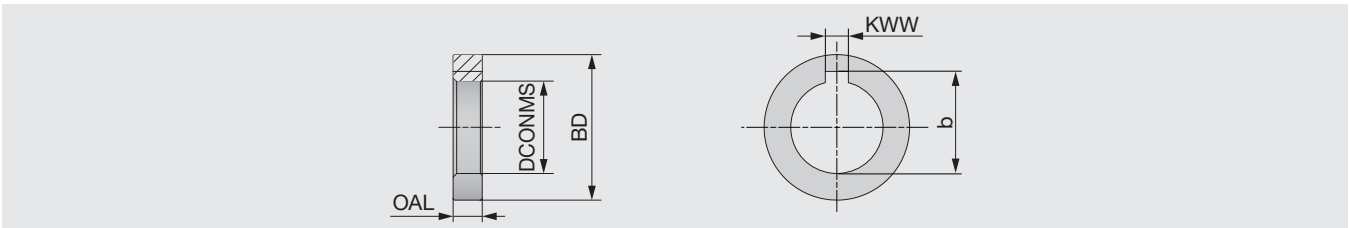


Metric	DCONMS	DCONWS	LF	BD	LSC	LB	Width of key KWW	Height of key
C6SCA25.4-075	63	25.4	75	40	55	21	6.35	2.38
C6SCA31.75-075	63	31.75	75	46	60	26	7.92	3.17
C8SCA25.4-090	80	25.4	90	40	55	21	6.35	2.38
C8SCA31.75-090	80	31.75	90	46	60	26	7.92	3.17

Collars for slot mills are not included

SCA

Collar for slot milling holders

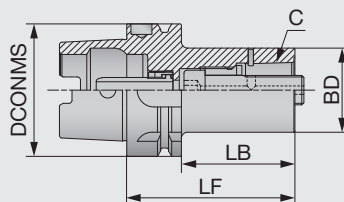


Metric	BD	DCONMS	b	KWW	OAL
SCA25.4-02	40	25.4	28.1	6.35	3, 5, 7, 8, 10, 12, 14
SCA31.75-02	46	31.75	35.2	7.92	3, 5, 7, 8, 10, 12, 14

TUNGCAP

HSK-A-C/-T

Basic holder for HSK to PSC convertor



Metric	DCONMS	C	BD	LF	LB	Nm ⁽¹⁾	Wrench size
HSK63A-C4-080T ⁽²⁾	63	C4	40	80	54	55	8
HSK63A-C5-090T ⁽²⁾	63	C5	50	90	64	95	10
HSK63A-C6-110T ⁽²⁾	63	C6	63	110	74	170	14
HSK100A-C6-110	100	C6	63	110	81	170	14
HSK100A-C8-120	100	C8	80	120	91	170	14

Applicable for 7 MPa coolant

Option: Cooling tube wrench

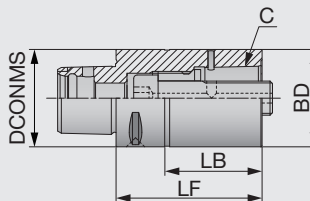
(1) Recommended clamping torque: N·m

(2) For HSK-T standard

TUNGCAP

C-EX

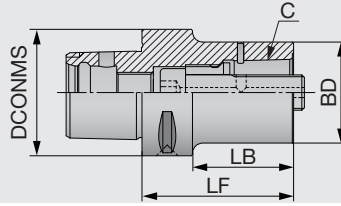
Extension adapter



Metric	C	DCONMS	BD	LF	LB	Nm ⁽¹⁾	Wrench size
C4EX-060	C4	40	40	60	80	65	8
C4EX-080	C4	40	40	80	60	65	8
C5EX-080	C5	50	50	80	60	95	10
C5EX-100	C5	50	50	100	80	95	10
C6EX-100	C6	63	63	100	78	170	14
C6EX-140	C6	63	63	140	118	170	14
C8EX-100	C8	80	80	100	70	170	14
C8EX-160	C8	80	80	160	130	170	14

Applicable for 7 MPa coolant

(1) Recommended clamping torque: N·m



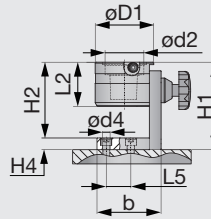
Metric	C	DCONMS	BD	LF	LB	Nm ⁽¹⁾	Wrench size
C5-C4RE-060	C4	50	40	60	40	55	8
C5-C4RE-080	C4	50	40	80	60	55	8
C6-C4RE-080	C4	63	40	80	58	55	8
C6-C5RE-080	C5	63	50	80	58	95	10
C6-C5RE-120	C5	63	50	120	98	95	10
C8-C4RE-070	C4	80	40	70	40	55	8
C8-C5RE-080	C5	80	50	80	50	95	10
C8-C6RE-080	C6	80	63	80	50	170	14
C8-C6RE-120	C6	80	63	120	90	170	14

Applicable for 7 MPa coolant

(1) Recommended clamping torque: N·m

MULTI CLAMP (TungCap)

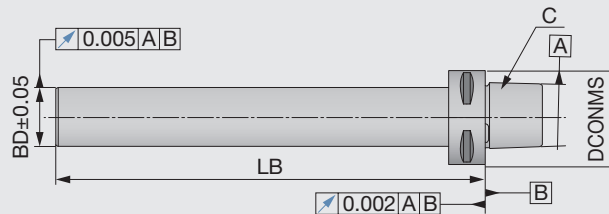
Multi-clamp fixture for TungCap



Metric	CSI	ød2	øD1	L2	H1	H2	H4	b	L5	ød4
MULTICLAMPC3	C3	32	70	64	128	109	19	104	40	12.5
MULTICLAMPC4	C4	40	78	67	137	118	19	104	40	12.5
MULTICLAMPC5	C5	50	85	72	142	123	19	104	40	12.5
MULTICLAMPC6	C6	63	95	72	142	123	19	104	40	12.5
MULTICLAMPC8	C8	80	130	90	178	159	19	144	85	12.5

TungCap Test bar

Test bar

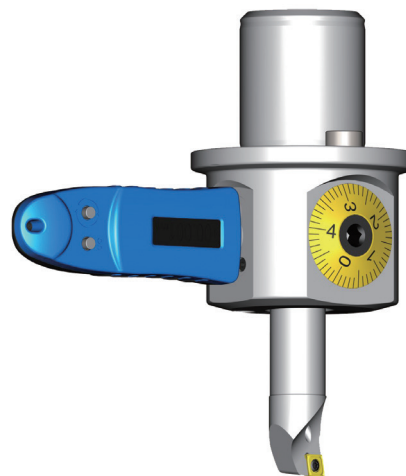


Metric	C	DCONMS	BD	LB
C3-TB-160	C3	32	25	160
C4-TB-160	C4	40	25	160
C5-TB-160	C5	50	30	180
C6-TB-220	C6	63	35	220
C8-TB-250	C8	80	40	250

TUNGCAP

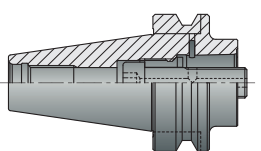
SWISS+TOOLS®

Fine boring heads with digital display

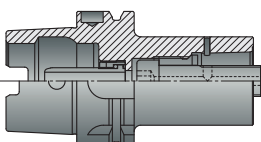


Fine boring head system makes **micron adjustment easy and simple in the machine**

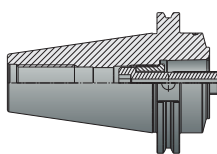
- Easy and accurate adjustment: 1 μm accuracy is possible on the machine
- Digital display: the display unit is docked on the boring head for micron adjustment
- Economy: One digital unit can be used with all fine boring heads
- Internal coolant for smooth chip control
- Also available with TungCap connection, allowing it for use in multi-tasking machines



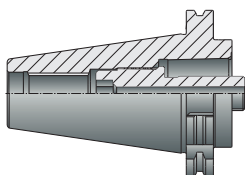
BT-FC (dual-contact BT2)



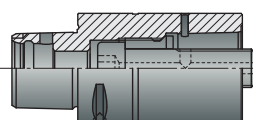
HSK-63A



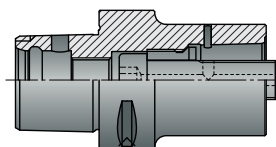
CAT



SK: DIN69871



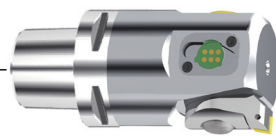
Extension adapter



Reduction adapter



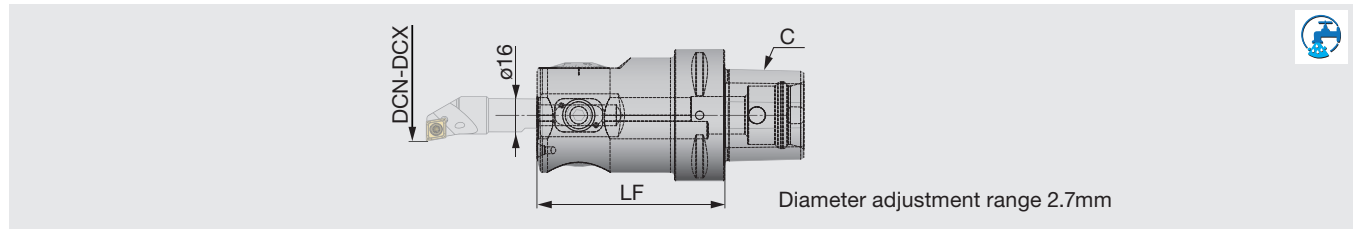
Digital display unit



ø23.9 - ø153.1

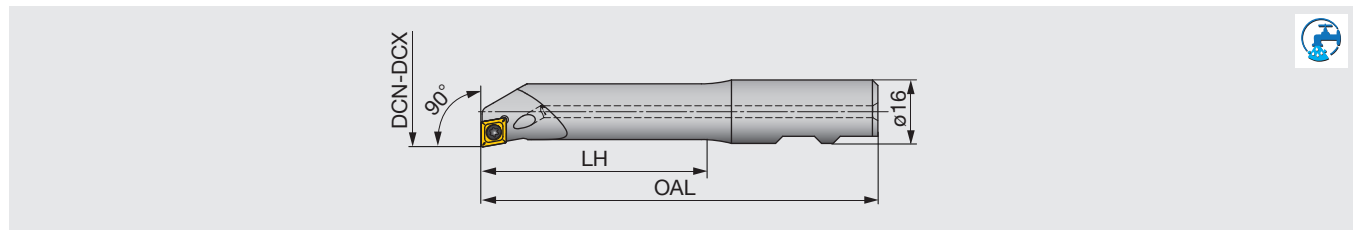


ø9.75 - ø88.1



Metric	C	DCN	DCX	LF	Boring bar
BT4-FBHO-DE-1690	BT40	9.75	88.1	90	254.0**.006... / 256...
HA6-FBHO-DE-1695	HSK-A63	9.75	88.1	95	254.0**.006... / 256...
PSC63-FBHO-DE-1690	C6	9.75	88.1	90	254.0**.006... / 256...
PSC50-FBHO-DE-1670	C5	9.75	88.1	70	254.0**.006... / 256...
PSC40-FBHO-DE-1665	C4	9.75	88.1	65	254.0**.006... / 256...

Applicable for 7 MPa coolant



Metric	DCN	DCX	LH	OAL	Insert
254.010.006.075	9.75	15.1	30	75	CC**0602...
254.015.006.090	14.75	20.1	51	90	CC**0602...
254.020.006.105	19.75	25.1	72	105	CC**0602...
254.025.006.115	24.75	30.1	82	115	CC**0602...

Applicable for 7 MPa coolant

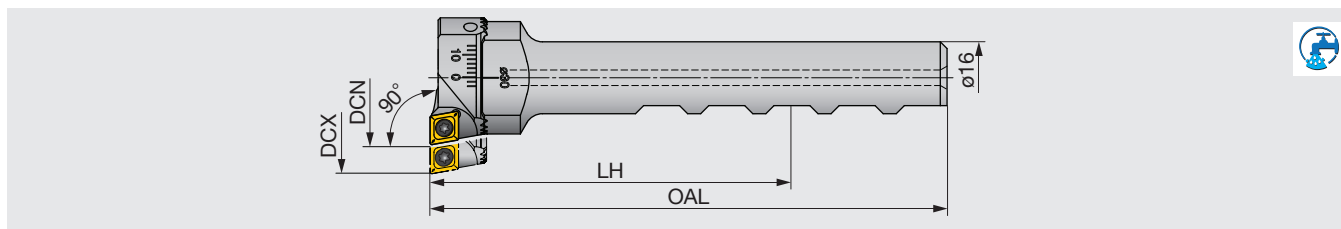
SPARE PARTS

Designation	Clamping screw	Wrench
254.0**.006.**	CSTB-2.5S	T-8F

TUNGCAP

TungCap 256.0**.0**.115

Boring bar



Metric (Shank)	Metric (Insert holder)	DCN	DCX	LH	OAL	Insert
256.030.048.115	256.030.006.012	29.75	48.1	85	115	CC**0602...
256.048.088.115	256.048.006.014	47.75	88.1	85	115	CC**0602...

Applicable for 7 MPa coolant

SPARE PARTS

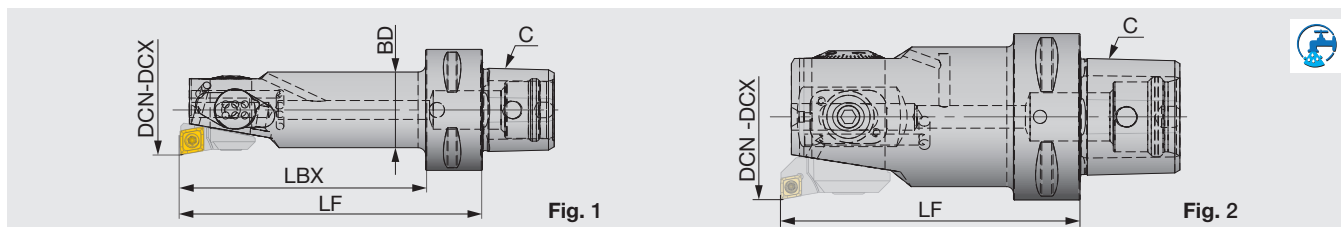


Designation	Clamping screw	Wrench
256.0**.006.0**	CSTB-2.5S	T-8F

TUNGCAP

TungCap FBHS-DE

Fine boring head for digital display $\varnothing 23.9$ mm - $\varnothing 153.1$ mm

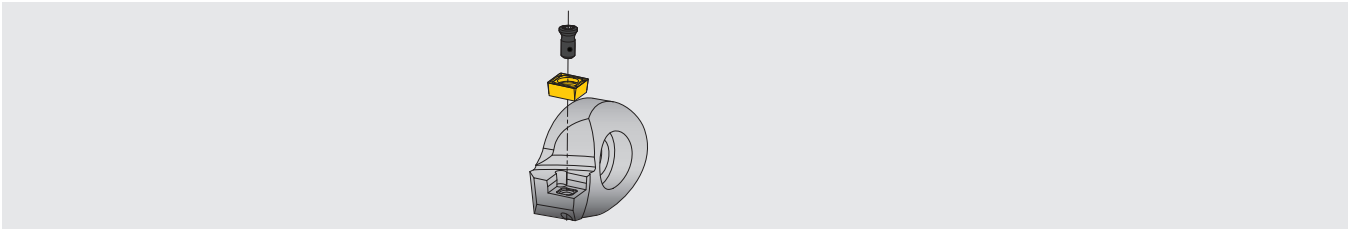


Metric	C	DCN	DCX	LF	LBX	BD	Fig.	Insert holder
PSC32-FBHS-DE-24	C3	23.9	31.1	80	65	20	1	314.011.024.006/007
PSC32-FBHS-DE-24	C3	29.9	37.1	80	65	20	1	314.011.030.006/007
PSC32-FBHS-DE-31	C3	30.9	40.1	90	75	25	1	314.013.031.006/007
PSC32-FBHS-DE-31	C3	37.5	47.1	90	75	25	1	314.013.038.006/007
PSC40-FBHS-DE-40	C4	39.9	51.1	90	70	32	1	314.017.040.006/007
PSC40-FBHS-DE-40	C4	47.5	59.1	90	70	32	1	314.017.048.006/007
PSC50-FBHS-DE-51	C5	50.9	67.1	90	-	-	2	314.022.051.006/007
PSC50-FBHS-DE-51	C5	64.9	81.1	90	-	-	2	314.022.065.006/007
PSC50-FBHS-DE-67	C5	66.9	87.1	100	-	-	2	314.030.067.009/011
PSC50-FBHS-DE-67	C5	84.9	105.1	100	-	-	2	314.030.085.009/011
PSC63-FBHS-DE-87	C6	86.9	116.1	120	-	-	2	314.030.067.009/011
PSC63-FBHS-DE-87	C6	104.9	134.1	120	-	-	2	314.030.085.009/011
PSC63-FBHS-DE-116	C6	115.9	153.1	150	-	-	2	314.030.067.009/011
PSC63-FBHS-DE-116	C6	133.9	171.1	150	-	-	2	314.030.085.009/011

Insert holders are sold separately.
Applicable for 7 MPa coolant

Reference pages: 256.0**.0**.115: Inserts → **B111** -

Insert holder of fine boring head for digital display ø23.9 mm - ø153.1 mm

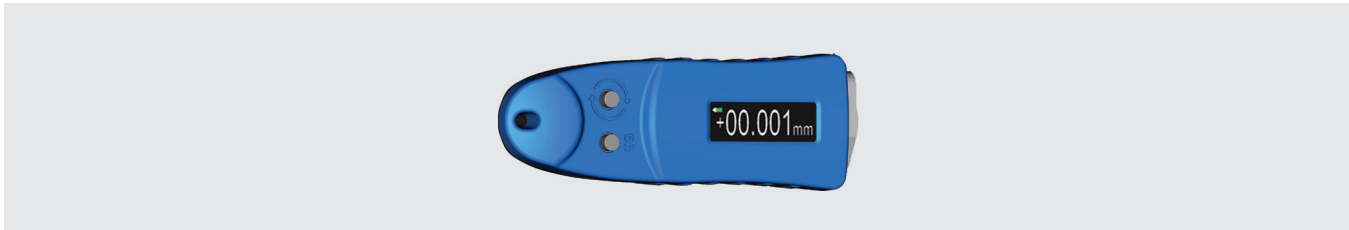


Metric (Insert holder)	Insert
314.011.024.006	CC**0602...
314.013.031.006	CC**0602...
314.017.040.006	CC**0602...
314.022.051.006	CC**0602...
314.030.067.009	CC**08T3..

SPARE PARTS

		
Designation	Clamping screw	Wrench
314.0**.0**.0**	CSTB-2.5S	T-8F

Digital display unit



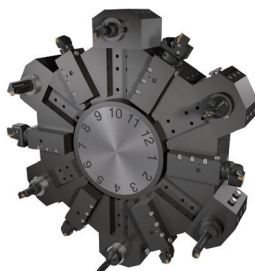
Metric
GH1-DA2.BG0.077

Nomenclature for clamping units

Clamping units

Clamping units for non-rotating and rotating tools, designed for turret lathes

- Clamping units for standard square and round shanks
- Clamping units for PSC Bolt-on clamp interface
- Clamping units for Vertical Disc Interface (VDI DIN69880)



Standard interface

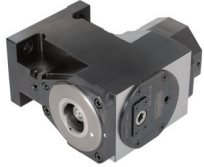


PBI



VDI (DIN69880)

Clamping units

	For external (Tool setting direction cross X)	For internal (Tool setting direction straight Z)
Turning clamping unit	C*-DTO-*C-***-R/L 	C*-DTI-*C-****-R/L 
Driven clamping unit	C*-DDC-*C-**** 	C*-DDS-*C-**** 

Nomenclature for clamping units

Nomenclature for static clamping unit

C4-DTI-IC-ABC401-R

1	2	3	4	5	6	7
PSC size	Device	Motion	Application	Coolant	Unit number	Hand
C3	D	T Static (turning tool)	O For external turning	IC Internal	Manufacturer's symbol	R Right
C4			I For internal turning	OC External		L Left
C5			S Others			
C6						
C8						

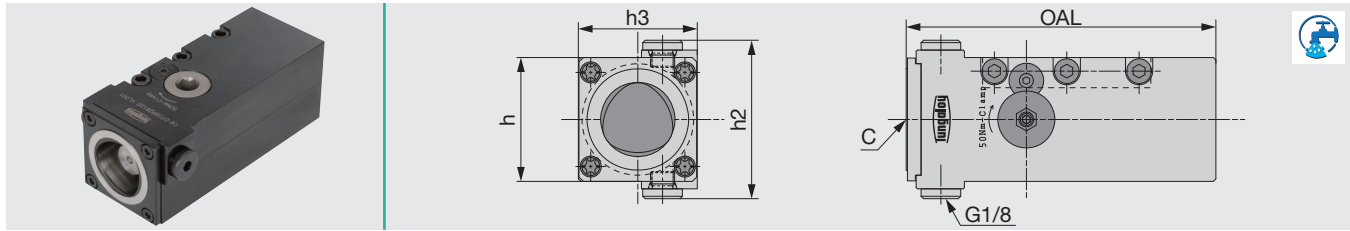
Nomenclature for driven clamping unit

C5-DDC-OC-ABC501

1	2	3	4	5	6
PSC size	Device	Motion	Application	Coolant	Unit number
C3	D	D Driven (rotating tool)	S Straight: Z	OC External	Manufacturer's symbol
C4			C Cross: X	WC Internal / External	
C5			X Others		
C6					
C8					

C-DTOSR/L

Manual clamping unit, square shank

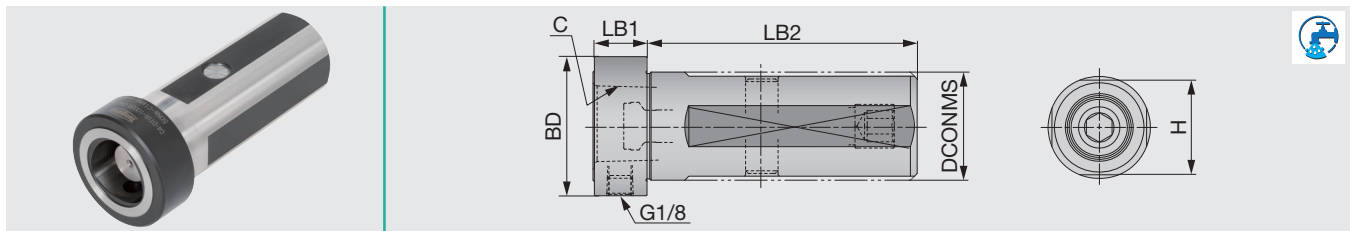


Metric	C	Turret size h	h3	h2	OAL	Torque
C3-DTOS4038R/L	C3	40	38	62	95	35
C4-DTOS5048R/L	C4	50	48	64	125	50
C5-DTOS6464R/L	C5	60	64	68	145	70

Applicable for 7 MPa coolant
Torque: Recommended clamping torque: N·m

C-DTIR

Manual clamping unit, round shank

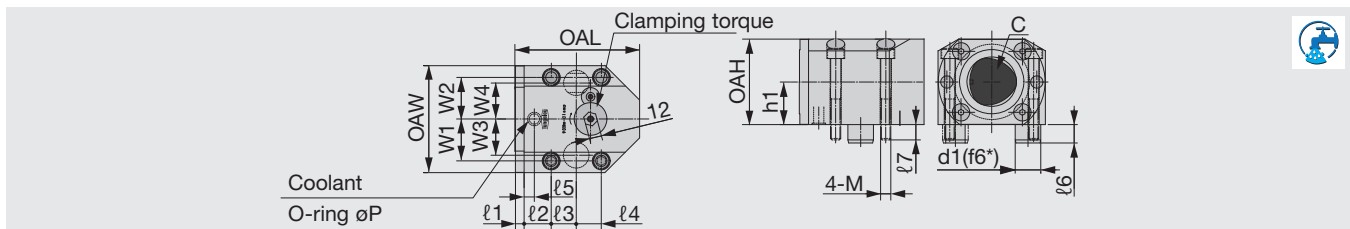


Metric	C	DCONMS	BD	H	LB2	LB1	Torque
C3-DTIR-08018-D32	C3	32	41.5	30	80	18	35
C4-DTIR-10020-D40	C4	40	51.5	37	100	20	50
C4-DTIR-12020-D50	C4	50	51.5	47	120	20	50
C5-DTIR-12024-D50	C5	50	61.5	47	120	24	70

Applicable for 7 MPa coolant
Torque: Recommended clamping torque: N·m

C-DTOFR/L

Manual clamping unit, fixed type



Metric	C	OAH	h1	OAL	OAW	W1	W2	W3	W4	ℓ1	ℓ2	ℓ3	ℓ4	ℓ5	ℓ6	ℓ7	d1(f6*)	P	M	Torque
C5-DTOFR/L32048	C5	64	32	100	92	35	31	8	19	21	7	11	15	20	P8	M10	70			
C6-DTOFR/L42060	C6	84	42	122	105	41	35.5	9	26.5	24.5	10	18	15	25	P10	M10	90			
C8-DTOFR/L50088	C8	100	50	146	133	55	46	12	33	43	13	19	20	32	P11	M12	130			

Applicable for 7 MPa coolant
Torque: Recommended clamping torque: N·m

*f6 tolerance: d20 & 25 = -0.022 / -0.033, d32 = -0.025 / -0.041

Clamping units & tools for CNC lathes

Selection for External turning

Fig. 1

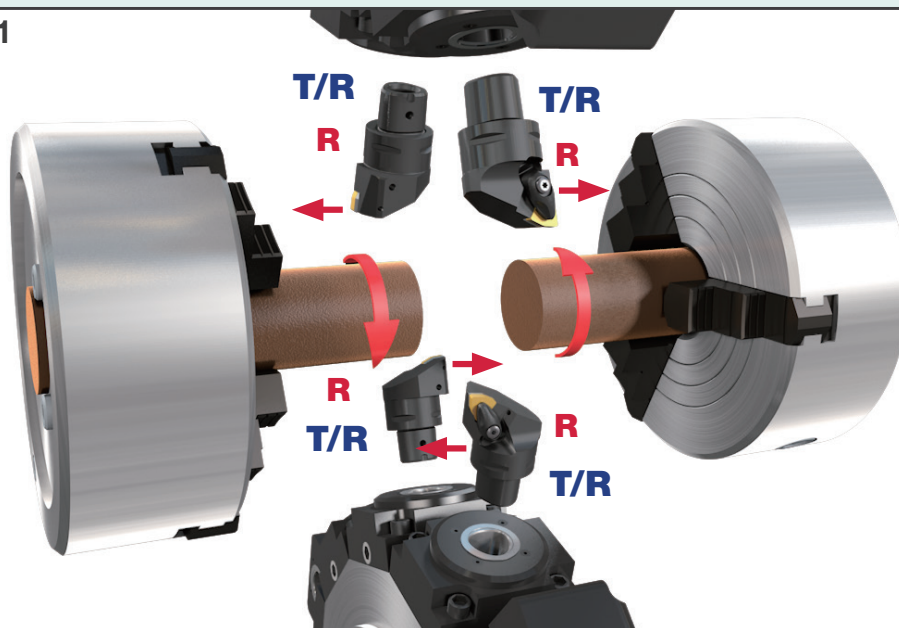
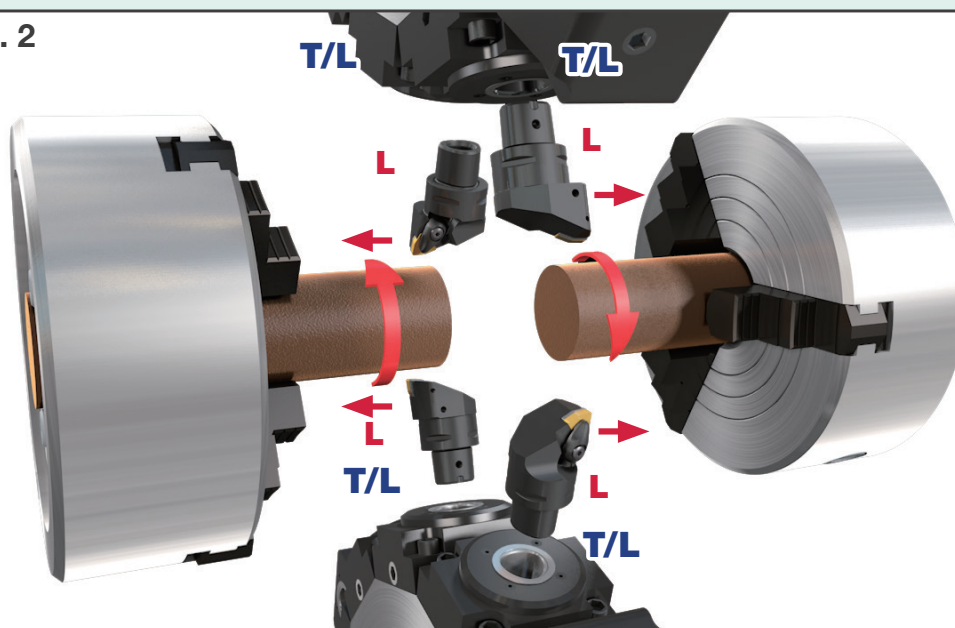


Fig. 2

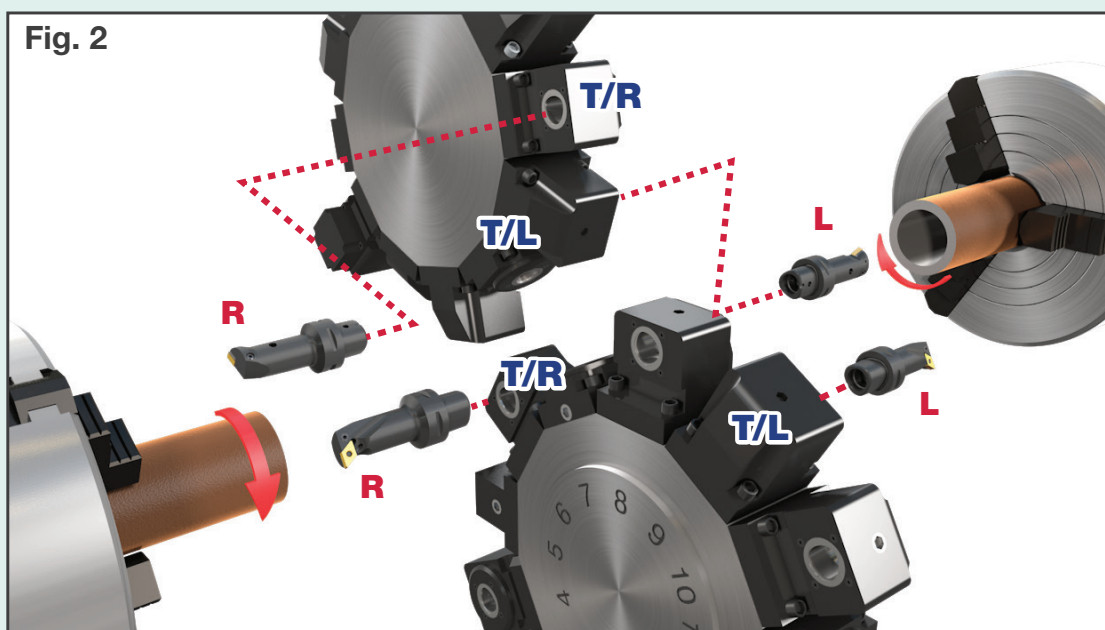
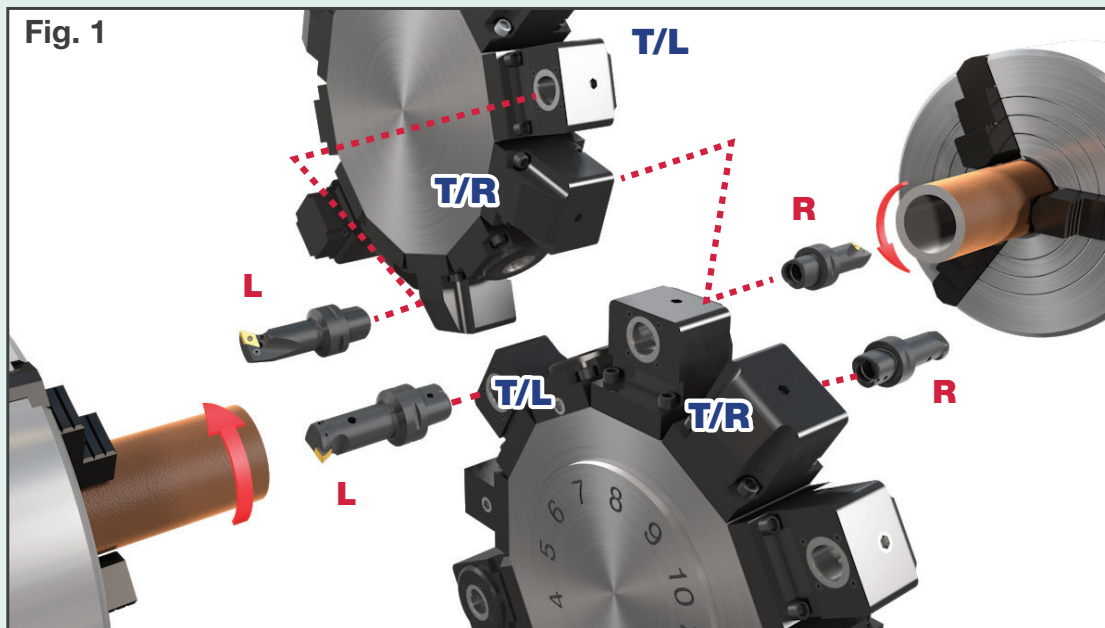


R: Right hand cutting tool **L:** Left hand cutting tool

T/R: Right hand clamping unit **T/L:** Left hand clamping unit

Clamping units & tools for CNC lathes

Selection for Internal turning



R: Right hand cutting tool **L:** Left hand cutting tool

T/R: Right hand clamping unit **T/L:** Left hand clamping unit

Grade

Insert

Ext. Toolholder

Int. Toolholder

Threading

Grooving

Miniature Tool

Milling Cutter

Endmill

Drilling Tool

Tooling System

User's Guide

Index

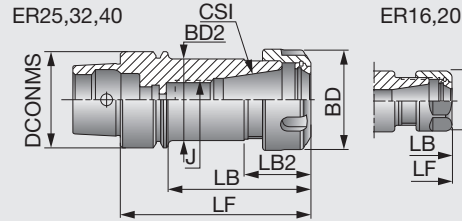
M

Clamping torque



PSC size	Tightening torque recommendation (N·m)	Clamping force (KN)	Torque wrench size	
			Static tool unit	Driven tool unit
C3	35	15	8	6
C4	50	20	10	8
C5	70 (75*)	25	12	10
C6	90 (110*)	30	12	12
C8	130	40	12	12

* Torque value for driven tool unit



Metric	DCONMS	CSI	Range	LF	LB	LB2	BD	BD2	J
HSKE32ER16X60	32	ER16	0.5-10	60	40	21.5	28	22.4	-
HSKE32ER20X60	32	ER20	1-13	6	40	26	34	25.4	-
HSKE32ER25X65	32	ER25	1-16	65	45	30	42	25.8	-
HSKE40ER16X60	40	ER16	0.5-10	60	40	-	28	-	-
HSKE40ER16X80	40	ER16	0.5-10	80	60	-	28	-	M10
HSKE40ER20X80	40	ER20	1-13	80	60	-	34	-	M12
HSKE40ER25X80	40	ER25	1-16	80	60	28	42	34	M18X1.5
HSKE40ER32X80	40	ER32	2-20	80	60	31	50	40.1	M22X1.5
HSKE50ER16X100 ⁽¹⁾	50	ER16	0.5-10	100	74	-	28	-	M10
HSKE50ER16X100M ⁽¹⁾⁽³⁾	50	ER16	0.5-10	100	74	-	22	-	M10
HSKE50ER16X80 ⁽¹⁾	50	ER16	0.5-10	80	54	-	28	-	M10
HSKE50ER20X80 ⁽¹⁾	50	ER20	1-13	80	54	-	34	-	M10
HSKE50ER25X80 ⁽¹⁾	50	ER25	1-16	80	54	28	42	32.4	-
HSKE50ER32X80 ⁽¹⁾	50	ER32	2-20	80	54	31	50	40.4	-
HSKE50ER32X100 ⁽¹⁾	50	ER32	2-20	100	74	31	50	40.4	M22X1.5
HSKE63ER16X80 ⁽²⁾	63	ER16	0.5-10	80	54	-	28	-	M10
HSKE63ER16X100 ⁽²⁾	63	ER16	0.5-10	100	74	-	28	-	M10
HSKE63ER20X75 ⁽²⁾	63	ER20	1-13	75	49	-	34	-	-
HSKE63ER32X100 ⁽²⁾	63	ER32	2-20	100	75	-	50	-	M22X1.5

Applicable for 10 MPa coolant

Equipped with nut ER 16 MINI

(1) Balanced to G2.5 max.n: 35,000 min⁻¹

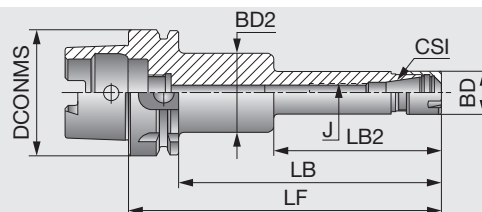
(2) Balanced to G2.5 max.n: 35,000 min⁻¹

(3) Balanced to G2.5 max.n: 30,000 min⁻¹

Option: Wrench for ER collet

Reference pages

ER collet	Nut	Preset screw	Wrench	Cooling tube
K108	K128	K131	K130, K135	K134



Metric	DCONMS	CSI	Range	LF	LB	LB2	BD	BD2	J
HSKA63ER16X100M	63	ER16	0.5-10	100	74	-	22	-	M10
HSKA63ER16X120M	63	ER16	0.5-10	120	94	78	22	40	M10
HSKA63ER16X160M	63	ER16	0.5-10	160	134	85	22	40	M10
HSKA63ER20X100M	63	ER20	1-13	100	74	-	28	-	M12
HSKA63ER20X120M	63	ER20	1-13	120	94	-	28	-	M12
HSKA63ER20X160M	63	ER20	1-13	160	134	85	28	45	M12
HSKA100ER16X100M ⁽¹⁾	100	ER16	0.5-10	100	71	-	22	-	M10
HSKA100ER16X160M ⁽¹⁾	100	ER16	0.5-10	160	131	85	22	40	M10
HSKA100ER20X100M ⁽¹⁾	100	ER20	1-13	100	71	-	28	-	M12
HSKA100ER20X160M ⁽¹⁾	100	ER20	1-13	160	131	85	28	45	M12

Applicable for 10 MPa coolant

(1) Balanced to G6.3 max.n: 12,000 min⁻¹

Option: Wrench for ER collet

Reference pages



ER collet

K108



Nut

K128



Preset screw

K131



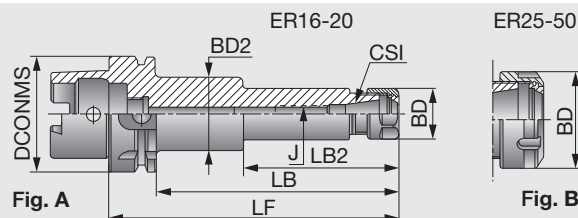
Wrench

K130, K135



Cooling tube

K134



Metric	DCONMS	CSI	Range	LF	LB	LB2	BD	BD2	J	Fig.
HSKA40ER16X60	40	ER16	0.5-10	60	40	-	28	-	M10	A
HSKA40ER16X80	40	ER16	0.5-10	80	60	-	28	-	M10	A
HSKA50ER20X100	50	ER20	1-13	100	74	-	34	-	M12	A
HSKA63ER16X100	63	ER16	0.5-10	100	74	-	28	-	M10	A
HSKA63ER16X120	63	ER16	0.5-10	120	94	-	28	-	M10	A
HSKA63ER16X160	63	ER16	0.5-10	160	134	85.6	28	40	M10	A
HSKA63ER20X100	63	ER20	1-13	100	74	-	34	-	M12	A
HSKA63ER20X120	63	ER20	1-13	120	94	-	34	-	M12	A
HSKA63ER20X160	63	ER20	1-13	160	134	85.0	34	45	M12	A
HSKA100ER16X100 ⁽¹⁾	100	ER16	0.5-10	100	71	-	28	-	M10	A
HSKA100ER16X160 ⁽¹⁾	100	ER16	0.5-10	160	131	85	28	40	M10	A
HSKA100ER20X100 ⁽¹⁾	100	ER20	1-13	100	71	-	34	-	M12	A
HSKA100ER20X160 ⁽¹⁾	100	ER20	1-13	160	131	85	34	45	M12	A
HSKA40ER25X80	40	ER25	1-16	80	60	28	42	32.4	M18x1.5	B
HSKA40ER25X100	40	ER25	1-16	100	80	28	42	32.4	M16	B
HSKA40ER32X100	40	ER32	2-20	100	80	31	50	40.4	M22x1.5	B
HSKA63ER25X80	63	ER25	1-16	80	54	-	42	-	M16	B
HSKA63ER25X100	63	ER25	1-16	100	74	-	42	-	M16	B
HSKA63ER25X120	63	ER25	1-16	120	94	-	42	-	M16	B
HSKA63ER25X160	63	ER25	1-16	160	134	-	42	-	M16	B
HSKA63ER32X80	63	ER32	2-20	80	54	31	50	40.4	M22x1.5	B
HSKA63ER32X100	63	ER32	2-20	100	74	-	50	-	M22x1.5	B
HSKA63ER32X120	63	ER32	2-20	120	94	-	50	-	M22x1.5	B
HSKA63ER32X140	63	ER32	2-20	140	114	-	50	-	M22x1.5	B
HSKA63ER32X160	63	ER32	2-20	160	134	-	50	-	M22x1.5	B
HSKA63ER40X80	63	ER40	3-26	80	54	34	63	50.4	-	B
HSKA63ER40X100	63	ER40	3-26	100	74	34	63	50.4	M28x1.5	B
HSKA63ER40X120	63	ER40	3-26	120	94	34	63	50.4	M28x1.5	B
HSKA100ER25X100	100	ER25	1-16	100	71	-	42	-	M16	B
HSKA100ER25X120	100	ER25	1-16	120	91	-	42	-	M16	B
HSKA100ER25X160	100	ER25	1-16	160	134	-	42	-	M16	B
HSKA100ER32X100	100	ER32	2-20	100	71	-	50	-	M22x1.5	B
HSKA100ER32X120	100	ER32	2-20	120	91	-	50	-	M22x1.5	B
HSKA100ER32X160	100	ER32	2-20	160	131	-	50	-	M22x1.5	B
HSKA100ER40X100	100	ER40	3-26	100	71	-	63	-	M28x1.5	B
HSKA100ER40X120	100	ER40	3-26	120	91	-	63	-	M28x1.5	B
HSKA100ER40X160	100	ER40	3-26	160	131	-	63	-	M28x1.5	B
HSKA100ER50X100	100	ER50	10-34	100	71	-	78	-	-	B

Applicable for 10 MPa coolant

(1) Balanced to G6.3 max.n: 12,000 min⁻¹

Option: Wrench for ER collet

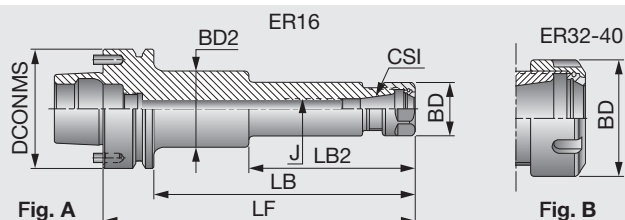
Reference pages

ER collet	Nut	Preset screw	Wrench	Cooling tube
K108	K128	K131	K130, K135	K134

TUNGHOLD

HSK FM-ER

ER collet chuck holder (HSK-FM)



Metric	DCONMS	CSI	Range	LF	LB	LB2	BD	BD2	J	Fig.
HSKFM63ER16X80	63	ER16	0.5-10	80	54	-	28	-	M10	A
HSKFM63ER16X100	63	ER16	0.5-10	100	74	-	28	-	M10	A
HSKFM63ER16X120	63	ER16	0.5-10	120	94	-	28	-	M10	A
HSKFM63ER16X160	63	ER16	0.5-10	160	134	85.6	28	40	M10	A
HSKFM63ER32X80	63	ER32	2-20	80	54	-	50	-	-	B
HSKFM63ER32X100	63	ER32	2-20	100	74	-	50	-	M22x1.5	B
HSKFM63ER40X80	63	ER40	3-26	80	54	32	63	50	-	B
HSKFM63ER40X100	63	ER40	3-26	100	74	32	63	50	M28x1.5	B

Applicable for 10 MPa coolant

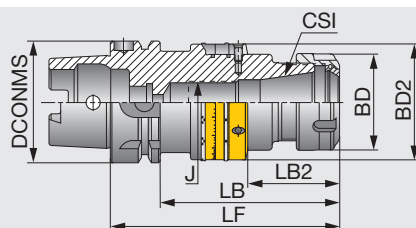
The driving pins can be removed, turning the toolholder into a standard HSK F63 type.

Option: Wrench for ER collet

TUNGBALANCE

HSK A-ER BIN

ER collet chuck holder with adjustable dynamic balance (HSK-A)



Metric	DCONMS	CSI	Range	LF	LB	LB2	BD	BD2	J
HSKA63ER16X100BIN	63	ER16	0.5-10	100	74	45	28	44	M10
HSKA63ER25X100BIN	63	ER25	1-16	100	74	45.2	42	44	M16
HSKA63ER32X120BIN	63	ER32	2-20	120	94	48	50	60	M22x1.5

Applicable for 10 MPa coolant

(1) Balanced to G2.5 max.n: 20,000 min⁻¹

Option: Wrench for ER collet

Reference pages



ER collet
K108



Nut
K128



Preset screw
K131



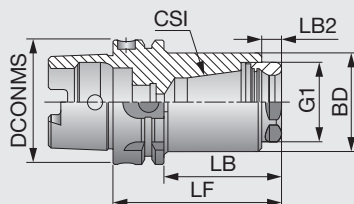
Wrench
K130, K135



Cooling tube
K134



Straight collet
K117



Metric	DCONMS	CSI	Range	LF	LB	LB2	BD	G1
HSKA63ER32SHORT	63	ER32	2-20	84.5	56.1	9.5	50	M40x1.5
HSKA100ER32SHORT	100	ER32	2-20	89.5	60.5	9.5	50	M40x1.5
HSKA100ER40SHORT	100	ER40	3-26	104.5	75.5	9.5	70	M50x1.5

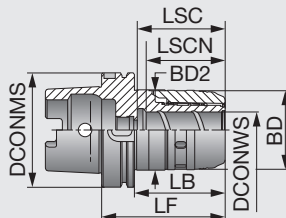
Applicable for 10 MPa coolant
Balanced to G6.3 max.n: 8,000 min⁻¹

Option: Wrench for ER collet

TUNGMAX

HSK A-TUNGMAX

Power chuck holder (HSK-A)



Metric	DCONMS	DCONWS	Range	LF	LB	LSCN	LSC	BD	BD2
HSKA63MAXIN20X95	63	20	6-20	95	69	56	66	51	53
HSKA63MAXIN32X113	63	32	6-32	113	87	70	85	69	70
HSKA100MAXIN20X115 ⁽¹⁾	100	20	6-20	115	86	56	69	51	53
HSKA100MAXIN32X135 ⁽¹⁾	100	32	6-32	135	106	71	87	69	70

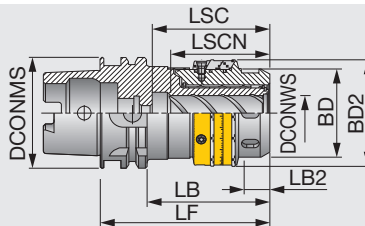
Applicable for 10 MPa coolant
(1) Balanced to G6.3 max.n: 8,000 min⁻¹

Option: Wrench for TungMax collet

TUNGBALANCE

HSK A-TUNGMAX BIN

Power chuck holder with adjustable dynamic balance (HSK-A)



Metric	DCONMS	DCONWS	Range	LF	LB	LB2	LSCN	LSC	BD	BD2
HSKA63MAXIN20X95BIN ⁽¹⁾	63	20	6-20	95	69	17.5	56	66	51	61
HSKA63MAXIN32X113BIN ⁽¹⁾	63	32	6-32	113	87	24.9	70	85	69	80

Applicable for 10 MPa coolant
(1) Chucks with taper size HSK A63 can be balanced by the balancing ring up to G2.5 at 20,000 min⁻¹.
(2) Chucks with taper size HSK A100 can be balanced by the balancing ring up to G2.5 at 18,000 min⁻¹.

Option: Wrench for TungMax collet

Reference pages



ER collet

K108



Nut

K128



Preset screw

K131



Wrench

K130, K135



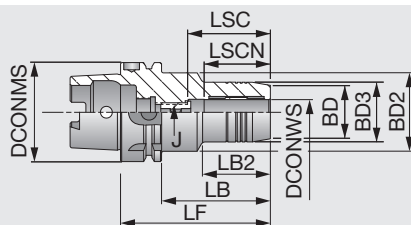
Cooling tube

K134



Straight collet

K117



Metric	DCONMS	DCONWS	BD3	BD	BD2	LF	LB	LB2	LSCN	LSC	J
HSKA50HYDRO6X80	50	6	26	23	42	80	54	35	27	37	M5
HSKA50HYDRO8X80	50	8	28	25	42	80	54	36	27	37	M6
HSKA50HYDRO16X95	50	16	38	34	42	95	69	52	42	52	M12x1
HSKA50HYDRO20X100	50	20	42	38	42	100	74	74	42	52	M16x1
HSKA63HYDRO6X80	63	6	26	23	50	80	54	33	27	37	M5
HSKA63HYDRO8X80	63	8	28	25	50	80	54	33	27	37	M6
HSKA63HYDRO10X85	63	10	30	27	50	85	59	39	32	42	M8x1
HSKA63HYDRO12X90	63	12	32	29	50	90	64	44	37	47	M10x1
HSKA63HYDRO14X90	63	14	34	30	50	90	64	46	37	47	M10x1
HSKA63HYDRO16X95	63	16	38	34	50	95	69	52	42	52	M12x1
HSKA63HYDRO18X95	63	18	40	36	50	95	69	52	42	52	M12x1
HSKA63HYDRO20X100	63	20	42	38	50	100	74	58	42	52	M16x1
HSKA63HYDRO25X120	63	25	50	46	50	120	94	94	48	58	M16x1
HSKA63HYDRO32X125	63	32	60	56	53	125	99	83	52	62	M16x1
HSKA80HYDRO6X85	80	6	26	23	50	85	59	37	27	37	M5
HSKA80HYDRO14X95	80	14	34	30	50	95	69	47	37	47	M10x1
HSKA80HYDRO16X100	80	16	38	34	50	100	74	52	42	52	M12x1
HSKA80HYDRO18X100	80	18	40	36	50	100	74	52	42	52	M12x1
HSKA80HYDRO20X105	80	20	42	38	50	105	79	52	42	52	M16x1
HSKA80HYDRO25X115	80	25	50	46	50	115	89	58	48	58	M16x1
HSKA100HYDRO6X85	100	6	26	23	63	85	56	29	27	37	M5
HSKA100HYDRO8X85	100	8	28	25	63	85	56	29	27	37	M6
HSKA100HYDRO10X90	100	10	30	27	63	90	61	35	32	42	M8x1
HSKA100HYDRO12X95	100	12	32	29	63	95	66	40	37	47	M10x1
HSKA100HYDRO14X95	100	14	34	30	63	95	66	42	37	47	M10x1
HSKA100HYDRO16X100	100	16	38	34	63	100	71	47	42	52	M12x1
HSKA100HYDRO18X100	100	18	40	36	63	100	71	48	42	52	M12x1
HSKA100HYDRO20X105	100	20	42	38	63	105	76	54	42	52	M16x1
HSKA100HYDRO25X115	100	25	50	46	63	115	86	51	48	58	M16x1
HSKA100HYDRO32X120	100	32	60	56	63	120	91	59	52	62	M16x1

Applicable for 10 MPa coolant
Reduction sleeves are available for d = 12, 20, 25, and 32mm.
Chucking force will reduce when using a reduction sleeve.

Option: Clamping wrench

Reference pages



Straight collet

K120



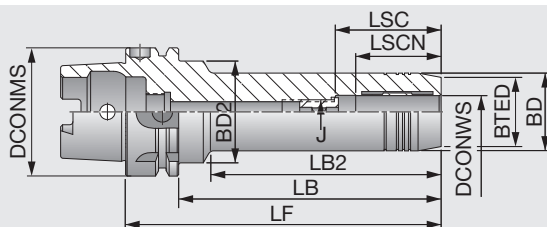
Cooling tube

K134



Wrench

K135

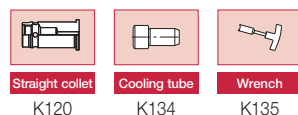


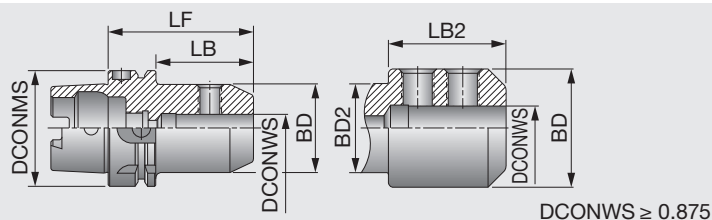
Metric	DCONMS	DCONWS	BD	BTED	BD2	LF	LB	LB2	LSCN	LSC	J
HSKA63HYDRO6X150	63	6	26	23	50	150	124	103	27	37	M5
HSKA63HYDRO6X200	63	6	26	23	50	200	174	153	27	37	M5
HSKA63HYDRO8X150	63	8	28	25	50	150	124	104	27	37	M6
HSKA63HYDRO10X150	63	10	30	27	50	150	124	104	32	42	M8x1
HSKA63HYDRO10X200	63	10	30	27	50	200	174	154	32	42	M8x1
HSKA63HYDRO12X150	63	12	32	29	50	150	124	105	37	47	M10x1
HSKA63HYDRO12X200	63	12	32	29	50	200	174	155	37	47	M10x1
HSKA63HYDRO14X150	63	14	34	30	50	150	124	105	37	47	M10x1
HSKA63HYDRO16X150	63	16	38	34	50	150	124	106.5	42	52	M12x1
HSKA63HYDRO16X200	63	16	38	34	50	200	174	156.5	42	52	M12x1
HSKA63HYDRO20X150	63	20	42	38	50	150	124	108	42	52	M12x1
HSKA63HYDRO20X200	63	20	42	38	50	200	174	158	42	52	M12x1
HSKA63HYDRO25X150	63	25	50	46	50	150	124	-	48	58	M16x1
HSKA63HYDRO25X200	63	25	50	46	50	200	174	-	48	58	M16x1
HSKA100HYDRO6X150	100	6	26	23	50	150	124	94	27	37	M6
HSKA100HYDRO6X200	100	6	26	23	50	200	174	144	27	37	M6
HSKA100HYDRO8X150	100	8	28	25	50	150	124	94.5	27	37	M6
HSKA100HYDRO8X200	100	8	28	25	50	200	174	144.5	27	37	M6
HSKA100HYDRO10X150	100	10	30	27	50	150	124	95	32	42	M8x1
HSKA100HYDRO10X200	100	10	30	27	50	200	174	145	32	42	M8x1
HSKA100HYDRO12X150	100	12	32	29	50	150	124	95.5	37	47	M10x1
HSKA100HYDRO12X200	100	12	32	29	50	200	174	145.5	37	47	M10x1
HSKA100HYDRO14X150	100	14	34	30	50	150	124	97	37	47	M10x1
HSKA100HYDRO14X200	100	14	34	30	50	200	174	147	37	47	M10x1
HSKA100HYDRO16X150	100	16	38	34	50	150	124	97.5	42	52	M12x1
HSKA100HYDRO16X200	100	16	38	34	50	200	174	147.5	42	52	M12x1
HSKA100HYDRO18X150	100	18	40	36	50	150	124	98	42	52	M12x1
HSKA100HYDRO18X200	100	18	40	36	50	200	174	148	42	52	M12x1
HSKA100HYDRO20X150	100	20	42	38	50	150	124	99	42	52	M12x1
HSKA100HYDRO20X200	100	20	42	38	50	200	174	149	42	52	M12x1
HSKA100HYDRO25X200	100	25	50	46	50	200	174	-	48	58	M16x1
HSKA100HYDRO32X200	100	32	60	56	60	200	174	-	52	62	M16x1

Applicable for 10 MPa coolant
Reduction sleeves are available for d = 12, 20, 25, and 32mm.
Chucking force will reduce when using a reduction sleeve.

Option: Clamping wrench

Reference pages





Inch	DCONMS (mm)	DCONWS	BD	BD2	LF	LB	LB2
HSKA50EM3/8X2.562	50	0.375	1.380	-	2.562	1.530	-
HSKA50EM1/2X3.125	50	0.500	1.610	-	3.125	2.100	-
HSKA50EM5/8X3.125	50	0.625	1.752	-	3.125	2.101	-
HSKA50EM3/4X3.125	50	0.750	1.937	-	3.125	2.101	-
HSKA50EM7/8X4.000	50	0.875	2.205	-	4.000	2.976	-
HSKA50EM1X4.250	50	1.000	2.563	-	4.250	3.226	-
HSKA63EM3/16X2.562	63	0.188	0.870	-	2.562	1.530	-
HSKA63EM1/4X2.562	63	0.250	1.000	-	2.562	1.530	-
HSKA63EM3/8X2.562	63	0.375	1.380	-	2.562	1.530	-
HSKA63EM1/2X3.125	63	0.500	1.610	-	3.125	2.100	-
HSKA63EM5/8X3.125	63	0.625	1.750	-	3.125	2.100	-
HSKA63EM3/4X3.150	63	0.750	1.940	-	3.150	2.100	-
HSKA63EM1X4.250	63	1.000	2.560	2.080	4.250	3.220	2.590
HSKA63EM1-1/4X4.250	63	1.250	2.810	2.080	4.250	3.220	2.590
HSKA100EM1/4X3.125	100	0.250	1.100	-	3.125	1.250	-
HSKA100EM3/8X3.125	100	0.375	1.380	-	3.125	1.980	-
HSKA100EM1/2X3.125	100	0.500	1.630	-	3.125	1.980	-
HSKA100EM5/8X4.000	100	0.625	1.750	-	4.000	2.850	-
HSKA100EM3/4X4.000	100	0.750	1.940	-	4.000	2.850	-
HSKA100EM7/8X4.000	100	0.875	2.210	-	4.000	2.850	-
HSKA100EM1X4.000	100	1.000	2.560	-	4.000	2.850	-
HSKA100EM1-1/4X4.000	100	1.250	2.810	-	4.000	2.850	-
HSKA100EM1-1/2X4.000	100	1.500	3.000	-	4.000	2.850	-

A cooling tube must be used with all coolant through HSK spindles (should be ordered separately).
Applicable for 7 MPa pressure coolant.

Reference pages



Wrench

K135



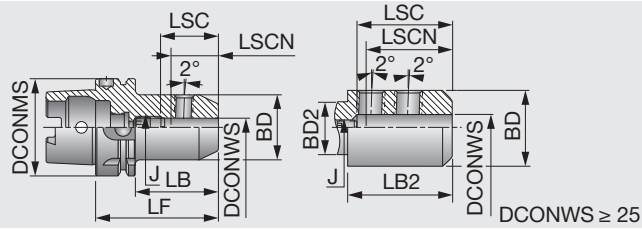
Cooling tube

K134



Clamping screw

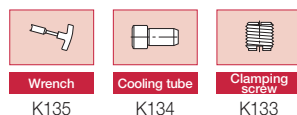
K133

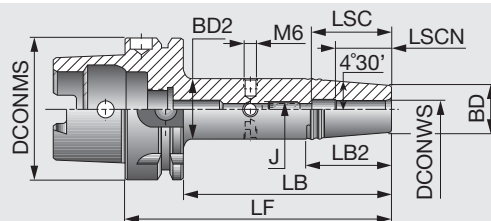


Metric	DCONMS	DCONWS	BD	BD2	LF	LB	LB2	LSCN	LSC	J	Wrench
HSKA63EM6X80E	63	6	25	-	80	54	-	32	40	M5	2
HSKA63EM8X80E	63	8	28	-	80	54	-	35	40	M6	3
HSKA63EM10X80E	63	10	35	-	80	54	-	39	44	M8	4
HSKA63EM12X90E	63	12	42	-	90	64	-	44	49	M10	5
HSKA63EM14X90E	63	14	44	-	90	64	-	44	49	M10	5
HSKA63EM16X100E	63	16	48	-	100	74	-	47	52	M12	6
HSKA63EM18X100E	63	18	50	-	100	74	-	47	55	M12	6
HSKA63EM20X100E	63	20	52	-	100	74	-	49	54	M16	8
HSKA63EM25X110E	63	25	65	52	110	84	65.5	54	61	M16	8
HSKA63EM32X110E	63	32	72	52	110	84	65.5	58	63	M20X1.5	10
HSKA100EM8X90E	100	8	28	-	90	61	-	35	40	M6	3
HSKA100EM12X100E	100	12	42	-	100	71	-	44	54	M10	5
HSKA100EM14X100E	100	14	44	-	100	71	-	44	54	M10	5
HSKA100EM16X100E	100	16	48	-	100	71	-	47	52	M12	6
HSKA100EM18X100E	100	18	50	-	100	71	-	47	52	M12	6
HSKA100EM20X110E	100	20	52	-	110	81	-	49	54	M16	8
HSKA100EM25X120E	100	25	65	-	120	91	-	54	61	M20X1.5	10
HSKA100EM32X120E	100	32	72	-	120	91	-	58	63	M20X1.5	10

Applicable for 7 MPa coolant
The adjustment screw has an internal coolant hole.

Reference pages





Inch	DCONMS (mm)	DCONWS	BD	BD2	LF	LB	LB2	LSCN	LSC	J	Wrench*
HSKA63SRKIN1/4X3.150	63	0.250	0.827	1.060	3.150	2.126	1.500	0.980	1.420	M5	2.5
HSKA63SRKIN1/4X6.30	63	0.250	0.827	1.060	6.300	5.276	1.500	0.980	1.420	M5	2.5
HSKA63SRKIN5/16X3.150	63	0.313	0.827	1.060	3.150	2.217	1.500	0.980	1.420	M6	3
HSKA63SRKIN3/8X3.346	63	0.375	0.940	1.260	3.346	2.320	2.000	1.220	1.650	M8	4
HSKA63SRKIN3/8X6.30	63	0.375	0.940	1.260	6.300	5.276	2.000	1.220	1.650	M8	4
HSKA63SRKIN7/16X3.543	63	0.437	0.940	1.260	3.543	2.519	2.000	1.420	1.850	M10	5
HSKA63SRKIN1/2X3.543	63	0.500	0.940	1.260	3.543	2.519	2.000	1.420	1.850	M10	5
HSKA63SRKIN5/8X3.740	63	0.625	1.060	1.340	3.740	2.716	1.750	1.540	1.970	M12	6
HSKA63SRKIN5/8X6.30	63	0.625	1.060	1.340	6.300	5.276	1.750	1.540	1.970	M12	6
HSKA63SRKIN3/4X3.937	63	0.750	1.300	1.650	3.937	2.913	2.250	1.610	2.050	M16	8
HSKA63SRKIN3/4X6.30	63	0.750	1.300	1.650	6.300	5.276	2.250	1.610	2.050	M16	8
HSKA63SRKIN7/8X3.937	63	0.875	1.730	2.074	3.937	2.913	2.170	1.610	2.050	M16	8
HSKA63SRKIN1X4.528	63	1.000	1.730	2.074	4.528	3.504	2.170	1.850	2.280	M16	8
HSKA63SRKIN1-1/4X4.72	63	1.250	1.730	2.074	4.725	3.700	2.170	1.850	2.280	M16	8
HSKA100SRKIN1/4X3.500	100	0.250	0.827	1.060	3.500	2.358	1.500	0.980	1.420	M5	2.5
HSKA100SRKIN1/4X6.250	100	0.250	0.827	1.060	6.250	5.108	1.500	0.980	1.420	M5	2.5
HSKA100SRKIN5/16X3.500	100	0.313	0.827	1.060	3.500	2.358	1.500	0.980	1.420	M6	3
HSKA100SRKIN5/16X4.750	100	0.313	0.827	1.060	4.750	3.608	1.500	0.980	1.420	M6	3
HSKA100SRKIN5/16X6.250	100	0.313	0.827	1.060	6.250	5.108	1.500	0.980	1.420	M6	3
HSKA100SRKIN3/8X3.625	100	0.375	0.940	1.260	3.625	2.483	2.000	1.220	1.650	M8	4
HSKA100SRKIN3/8X6.250	100	0.375	0.940	1.260	6.250	5.108	2.000	1.220	1.650	M8	4
HSKA100SRKIN7/16X3.750	100	0.437	0.940	1.260	3.750	2.608	2.000	1.420	1.850	M10	5
HSKA100SRKIN7/16X6.250	100	0.437	0.940	1.260	6.250	5.108	2.000	1.420	1.850	M10	5
HSKA100SRKIN1/2X3.750	100	0.500	0.940	1.260	3.750	2.608	2.000	1.420	1.850	M10	5
HSKA100SRKIN1/2X5.000	100	0.500	0.940	1.260	5.000	3.858	2.000	1.420	1.850	M10	5
HSKA100SRKIN5/8X4.000	100	0.625	1.060	1.340	4.000	2.858	1.750	1.540	1.970	M12	6
HSKA100SRKIN5/8X5.000	100	0.625	1.060	1.340	5.000	3.858	1.750	1.540	1.970	M12	6
HSKA100SRKIN3/4X4.125	100	0.750	1.300	1.654	4.125	3.102	2.250	1.610	2.050	M12	6
HSKA100SRKIN3/4X6.250	100	0.750	1.300	1.650	6.250	5.108	2.250	1.610	2.050	M16	8
HSKA100SRKIN7/8X4.125	100	0.875	1.730	2.090	4.125	2.983	2.250	1.610	2.050	M12	6
HSKA100SRKIN1X4.500	100	1.000	1.730	2.090	4.500	3.358	2.250	1.850	2.280	M12	6
HSKA100SRKIN1-1/4X4.75	100	1.250	1.730	2.090	4.750	3.608	2.250	1.850	2.280	M12	6

* Wrench (metric size) for the rear stopper screw.

When using an HSK type holder with the capability of internal coolant supply, be sure to use a cooling tube (sold separately).

Please use an induction heating unit for SRKIN holder

Applicable for 10 MPa coolant

Reference pages



Induction
heating unit
K125



Heating unit
K125



Preset screw
K133



Wrench
K135



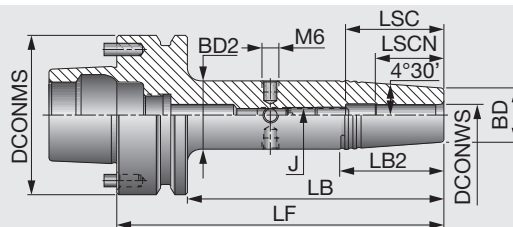
Cooling tube
K134

Metric	DCONMS	DCONWS	BD	BD2	LF	LB	LB2	LSCN	LSC	J	Wrench
HSKA63SRKIN6X80	63	6	21	27	80	54	38	25	36	M5	2.5
HSKA63SRKIN6X120	63	6	21	27	120	94	38	25	36	M5	2.5
HSKA63SRKIN6X160	63	6	21	27	160	134	38	25	36	M5	2.5
HSKA63SRKIN8X80	63	8	21	27	80	54	38	25	36	M6	3
HSKA63SRKIN8X120	63	8	21	27	120	94	38	25	36	M6	3
HSKA63SRKIN8X160	63	8	21	27	160	134	38	25	36	M6	3
HSKA63SRKIN10X85	63	10	24	32	85	59	51	31	42	M8	4
HSKA63SRKIN10X120	63	10	24	32	120	94	51	31	42	M8	4
HSKA63SRKIN10X160	63	10	24	32	160	134	51	31	42	M8	4
HSKA63SRKIN12X90	63	12	24	32	90	64	51	36	42	M8	4
HSKA63SRKIN12X120	63	12	24	32	120	94	51	36	47	M10	5
HSKA63SRKIN12X160	63	12	24	32	160	134	51	36	47	M10	5
HSKA63SRKIN14X90	63	14	27	34	90	64	45	36	47	M10	5
HSKA63SRKIN14X120	63	14	27	34	120	94	45	36	47	M10	5
HSKA63SRKIN14X160	63	14	27	34	160	134	45	36	47	M10	5
HSKA63SRKIN16X75	63	16	27	34	75	49	-	39	50	-	-
HSKA63SRKIN16X95	63	16	27	34	95	69	44	39	50	M12	6
HSKA63SRKIN16X120	63	16	27	34	120	94	44	39	50	M12	6
HSKA63SRKIN16X160	63	16	27	34	160	134	44	39	50	M12	6
HSKA63SRKIN18X95	63	18	33	42	95	69	57	39	50	M12	6
HSKA63SRKIN18X120	63	18	33	42	120	94	57	39	50	M12	6
HSKA63SRKIN18X160	63	18	33	42	160	134	57	39	50	M12	6
HSKA63SRKIN20X75	63	20	33	41	75	49	-	41	50	-	-
HSKA63SRKIN20X100	63	20	33	42	100	74	57	41	52	M16	8
HSKA63SRKIN20X120	63	20	33	42	120	94	57	41	52	M16	8
HSKA63SRKIN20X160	63	20	33	42	160	134	57	41	52	M16	8
HSKA63SRKIN25X85	63	25	44	53	85	59	-	47	58	-	-
HSKA63SRKIN25X115	63	25	44	53	115	89	55	47	58	M16	8
HSKA63SRKIN32X85	63	32	44	53	85	59	-	47	58	-	-
HSKA63SRKIN32X120	63	32	44	53	120	94	55	47	58	M16	8
HSKA100SRKIN6X85	100	6	21	27	85	56	38	25	36	M5	2.5
HSKA100SRKIN6X120	100	6	21	27	120	91	38	25	36	M5	2.5
HSKA100SRKIN6X160	100	6	21	27	160	131	38	25	36	M6	3
HSKA100SRKIN8X85	100	8	21	27	85	56	38	25	36	M6	3
HSKA100SRKIN8X120	100	8	21	27	120	91	38	25	36	M6	3
HSKA100SRKIN8X160	100	8	21	27	160	131	38	25	36	M6	3
HSKA100SRKIN10X90	100	10	24	32	90	61	51	31	42	M8	4
HSKA100SRKIN10X120	100	10	24	32	120	91	51	31	42	M8	4
HSKA100SRKIN10X160	100	10	24	32	160	131	51	31	42	M8	4
HSKA100SRKIN12X95	100	12	24	32	95	66	51	36	47	M10	5
HSKA100SRKIN12X120	100	12	24	32	120	91	51	36	47	M10	5
HSKA100SRKIN12X160	100	12	24	32	160	131	51	36	47	M10	5
HSKA100SRKIN14X95	100	14	27	34	95	66	45	36	47	M10	5
HSKA100SRKIN14X120	100	14	27	34	120	91	45	36	47	M10	5
HSKA100SRKIN14X160	100	14	27	34	160	131	45	36	47	M10	5
HSKA100SRKIN16X100	100	16	27	34	100	71	45	39	50	M12	6
HSKA100SRKIN16X120	100	16	27	34	120	91	45	39	50	M12	6
HSKA100SRKIN16X160	100	16	27	34	160	131	45	39	50	M12	6
HSKA100SRKIN18X100	100	18	33	42	100	71	57	39	50	M12	6
HSKA100SRKIN18X160	100	18	33	42	160	131	57	39	50	M12	6
HSKA100SRKIN20X105	100	20	33	42	105	76	57	41	52	M16	8
HSKA100SRKIN20X160	100	20	33	42	160	131	57	41	52	M16	8
HSKA100SRKIN25X115	100	25	44	53	115	86	57	47	58	M16	8
HSKA100SRKIN32X120	100	32	44	53	120	91	57	47	58	M16	8

When using an HSK type holder with the capability of internal coolant supply, be sure to use a cooling tube (sold separately). Please use an induction heating unit for SRKIN holder
Applicable for 10 MPa coolant

Reference pages





Inch	DCONMS (mm)	DCONWS	BD	BD2	LF	LB	LB2	LSCN	LSC	J	Wrench*
HSKFM63SRKIN1/4X3.13	63	0.250	0.827	1.063	3.130	2.106	1.500	0.980	1.420	M5	2.5
HSKFM63SRKIN5/16X3.13	63	0.313	0.827	1.063	3.130	2.106	1.500	0.980	1.420	M6	3
HSKFM63SRKIN3/8X3.50	63	0.375	0.945	1.260	3.500	2.476	2.000	1.220	1.650	M8	4
HSKFM63SRKIN1/2X3.50	63	0.500	0.945	1.260	3.500	2.476	2.000	1.420	1.850	M8	4
HSKFM63SRKIN5/8X3.50	63	0.625	1.063	1.339	3.500	2.476	1.752	1.540	1.970	M8	4
HSKFM63SRKIN3/4X3.00	63	0.750	1.299	1.610	3.000	2.976	-	1.610	2.050	-	-
HSKFM63SRKIN3/4X3.75	63	0.750	1.299	1.654	3.750	2.726	2.250	1.610	2.050	M12	6
HSKFM63SRKIN1X3.00	63	1.000	1.732	2.075	3.000	2.976	-	1.850	2.130	-	-
HSKFM63SRKIN1X4.00	63	1.000	1.732	2.075	4.000	2.976	2.252	1.850	2.280	M16	8
HSKFM80SRKIN1/4X3.25	80	0.250	0.827	1.063	3.250	2.226	1.500	0.960	1.420	M5	2.5
HSKFM80SRKIN3/8X3.25	80	0.375	0.945	1.260	3.250	2.226	2.000	1.200	1.650	M8	4
HSKFM80SRKIN1/2X3.25	80	0.500	0.945	1.260	3.250	2.226	2.000	1.400	1.850	M10	5
HSKFM80SRKIN5/8X3.25	80	0.625	1.063	1.340	3.250	2.266	1.752	1.510	1.970	M12	6
HSKFM80SRKIN1X3.50	80	1.000	1.732	2.075	3.500	2.476	2.252	1.830	2.280	M16	8

* Wrench (metric size) for the rear stopper screw.

When using an HSK type holder with the capability of internal coolant supply, be sure to use a cooling tube (sold separately)

Please use an induction heating unit for SRKIN holder

The driving pins can be removed, turning the toolholder into a standard HSK F63 type.

Applicable for 10 MPa coolant

Metric	DCONMS	DCONWS	BD	BD2	LF	LB	LB2	LSCN	LSC	J	Wrench
HSKFM63SRKIN25X115	63	25	44	52.7	115	89	55	47	58	M16	8

When using an HSK type holder with the capability of internal coolant supply, be sure to use a cooling tube (sold separately)

Please use an induction heating unit for SRKIN holder

The driving pins can be removed, turning the toolholder into a standard HSK F63 type.

Applicable for 10 MPa coolant

Reference pages



Induction heating unit

K125



Heating unit

K125



Preset screw

K133



Wrench

K135



Cooling tube

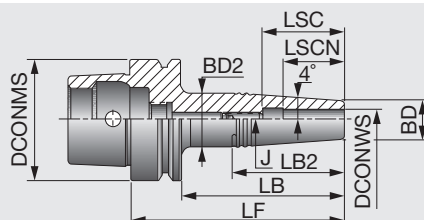
K134

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F

J

K



Inch	DCONMS (mm)	DCONWS	BD	BD2	LF	LB	LB2	LSCN	LSC	J	Wrench*
HSKE32SRK1/8X2.000	32	0.125	0.394	0.591	2.787	2.000	1.407	0.390	0.790	M4	2
HSKE32SRK3/16X2.000	32	0.187	0.394	0.591	2.787	2.000	1.407	0.590	0.980	M4	2
HSKE32SRK1/4X2.000	32	0.250	0.433	0.630	2.787	2.000	1.406	0.710	1.100	M4	2
HSKE32SRK5/16X2.000	32	0.312	0.551	0.787	2.787	2.000	1.406	0.980	1.380	M4	2
HSKE32SRK3/8X2.000	32	0.375	0.630	0.866	2.787	2.000	1.677	1.180	1.580	M4	2
HSKE32SRK1/2X2.000	32	0.500	0.787	0.984	2.787	2.000	1.392	1.260	1.580	M4	2
HSKE40SRK1/8X1.750	40	0.125	0.390	0.590	2.537	1.750	1.400	0.390	0.630	M5	2.5
HSKE40SRK1/8X3.000	40	0.125	0.390	0.748	3.787	3.000	2.526	0.390	0.630	M5	2.5
HSKE40SRK3/16X1.750	40	0.187	0.390	0.590	2.537	1.750	1.400	0.590	0.980	M4	2
HSKE40SRK3/16X3.000	40	0.187	0.390	0.748	3.787	3.000	2.526	0.590	0.980	M4	2
HSKE40SRK1/4X1.750	40	0.250	0.430	0.630	2.537	1.750	1.400	0.710	1.100	M5	2.5
HSKE40SRK1/4X3.000	40	0.250	0.430	0.787	3.787	3.000	2.524	0.710	1.100	M5	2.5
HSKE40SRK5/16X1.750	40	0.312	0.550	0.550	2.537	1.750	1.637	0.980	1.380	M5	2.5
HSKE40SRK5/16X3.000	40	0.312	0.550	0.905	3.787	3.000	2.518	0.980	1.380	M6	3
HSKE40SRK3/8X1.750	40	0.375	0.630	0.866	2.537	1.750	1.670	1.180	1.580	M5	2.5
HSKE40SRK3/8X3.000	40	0.375	0.630	0.965	3.787	3.000	2.373	1.180	1.580	M8	4
HSKE40SRK7/16X1.750	40	0.437	0.790	1.024	2.537	1.750	1.665	1.220	1.610	M5	2.5
HSKE40SRK7/16X3.000	40	0.437	0.790	1.102	3.787	3.000	2.229	1.220	1.610	M10	3
HSKE40SRK1/2X1.750	40	0.500	0.790	1.024	2.537	1.750	1.665	1.260	1.650	M5	2.5
HSKE40SRK1/2X3.000	40	0.500	0.790	1.102	3.787	3.000	2.229	1.260	1.650	M10	5
HSKE50SRK1/8X1.750	50	0.125	0.390	0.590	2.774	1.750	1.400	0.390	0.630	M5	2.5
HSKE50SRK1/8X3.000	50	0.125	0.390	0.748	4.024	3.000	2.526	0.390	0.630	M5	2.5
HSKE50SRK3/16X1.750	50	0.187	0.390	0.590	2.774	1.750	1.400	0.590	0.830	M6	3
HSKE50SRK3/16X3.000	50	0.187	0.390	0.748	4.024	3.000	2.526	0.590	0.830	M6	3
HSKE50SRK1/4X1.750	50	0.250	0.430	0.630	2.774	1.750	1.400	0.710	1.100	M5	2.5
HSKE50SRK1/4X3.000	50	0.250	0.430	0.787	4.024	3.000	2.524	0.710	1.100	M5	2.5
HSKE50SRK5/16X1.750	50	0.312	0.550	0.787	2.774	1.750	1.673	0.980	1.380	M6	3
HSKE50SRK5/16X3.000	50	0.312	0.550	0.905	4.024	3.000	2.518	0.980	1.380	M6	3
HSKE50SRK3/8X1.750	50	0.375	0.630	0.866	2.774	1.750	1.670	1.180	1.580	M6	3
HSKE50SRK3/8X3.000	50	0.375	0.630	0.965	4.024	3.000	2.373	1.180	1.580	M8	4
HSKE50SRK7/16X1.750	50	0.437	0.790	1.024	2.774	1.750	1.665	1.220	1.610	M6	3
HSKE50SRK1/2X1.750	50	0.500	0.790	1.024	2.774	1.750	1.665	1.260	1.650	M6	3
HSKE50SRK1/2X3.000	50	0.500	0.790	1.102	4.024	3.000	2.229	1.260	1.650	M10	5
HSKE63SRK1/8X2.000	63	0.125	0.390	0.669	3.024	2.000	1.927	0.390	0.630	M6	3
HSKE63SRK3/16X2.000	63	0.187	0.390	0.669	3.024	2.000	1.927	0.590	0.830	M6	3
HSKE63SRK3/16X3.000	63	0.187	0.390	0.748	4.024	3.000	2.526	0.590	0.830	M6	3
HSKE63SRK1/4X2.000	63	0.250	0.430	0.709	3.024	2.000	1.927	0.710	0.950	M8	4
HSKE63SRK1/4X3.000	63	0.250	0.430	0.787	4.024	3.000	2.524	0.710	0.950	M8	4
HSKE63SRK5/16X2.000	63	0.312	0.550	0.827	3.024	2.000	1.927	0.980	1.380	M6	3
HSKE63SRK5/16X3.000	63	0.312	0.550	0.905	4.024	3.000	2.518	0.980	1.380	M6	3
HSKE63SRK3/8X2.000	63	0.375	0.630	0.906	3.024	2.000	1.927	1.180	1.580	M8	4
HSKE63SRK3/8X3.000	63	0.375	0.630	1.000	4.024	3.000	2.373	1.180	1.580	M8	4
HSKE63SRK7/16X2.000	63	0.437	0.790	1.063	3.024	2.000	1.927	1.220	1.610	M8	4
HSKE63SRK7/16X3.000	63	0.437	0.790	1.102	4.024	3.000	2.229	1.220	1.610	M10	5
HSKE63SRK1/2X2.000	63	0.500	0.790	1.063	3.024	2.000	1.927	1.260	1.650	M8	4

* Wrench (metric size) for the rear stopper screw.

(1) Balanced to G2.5 max.n: 35,000 min⁻¹

When using an HSK type holder with the capability of internal coolant supply, be sure to use a cooling tube (sold separately).

Applicable for 10 MPa coolant

Reference pages



Induction
heating unit
K125



Heating unit
K125



Preset screw
K133



Wrench
K135



Cooling tube
K134

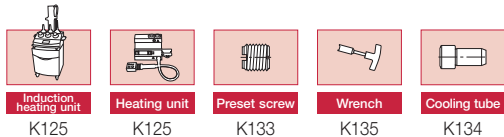
Metric	DCONMS	DCONWS	BD	BD2	LF	LB	LB2	LSCN	LSC	J	Wrench
HSKE32SRK3X45	32	3	10	13	65	45	30	10	16	M4	2
HSKE32SRK4X45	32	4	10	15	65	45	35	12	18	M4	2
HSKE32SRK6X45	32	6	11	16	65	45	35	18	28	M4	2
HSKE32SRK10X45	32	10	16	22	65	45	42	30	40	M4	2
HSKE40SRK3X45	40	3	10	13	65	45	30	10	16	M5	2.5
HSKE40SRK3X80	40	3	10	19	100	80	64	10	16	M5	2.5
HSKE40SRK4X45	40	4	10	15	65	45	35	12	18	M5	2.5
HSKE40SRK4X80	40	4	10	19	100	80	64	12	18	M5	2.5
HSKE40SRK5X45	40	5	10	15	65	45	35	15	25	M4	2
HSKE40SRK5X80	40	5	10	19	100	80	64	15	25	M4	2
HSKE40SRK6X45	40	6	11	16	65	45	35	18	28	M5	2.5
HSKE40SRK6X80	40	6	11	20	100	80	64	18	28	M5	2.5
HSKE40SRK8X45	40	8	14	20	65	45	42	25	35	M5	2.5
HSKE40SRK8X80	40	8	14	23	100	80	64	25	35	M6	3
HSKE40SRK10X45	40	10	16	22	65	45	42	30	40	M5	2.5
HSKE40SRK10X80	40	10	16	24.5	100	80	60	30	40	M8	4
HSKE40SRK12X45	40	12	20	26	65	45	42	32	42	M5	2.5
HSKE40SRK12X80	40	12	20	28	100	80	56	32	42	M10	5
HSKE50SRK3X45 ⁽¹⁾	50	3	10	15	71	45	36	10	16	M5	2.5
HSKE50SRK3X80 ⁽¹⁾	50	3	10	19	106	80	64	10	16	M5	2.5
HSKE50SRK4X45 ⁽¹⁾	50	4	10	15	71	45	36	12	18	M5	2.5
HSKE50SRK4X80 ⁽¹⁾	50	4	10	19	106	80	64	12	18	M5	2.5
HSKE50SRK6X45 ⁽¹⁾	50	6	11	16	71	45	36	18	28	M5	2.5
HSKE50SRK6X80 ⁽¹⁾	50	6	11	20	106	80	64	18	28	M5	2.5
HSKE50SRK8X45 ⁽¹⁾	50	8	14	20	71	45	43	25	35	M6	3
HSKE50SRK8X80 ⁽¹⁾	50	8	14	23	106	80	64	25	35	M6	3
HSKE50SRK10X45 ⁽¹⁾	50	10	16	22	71	45	42	30	37	M6	3
HSKE50SRK10X80 ⁽¹⁾	50	10	16	24.5	106	80	60	30	40	M8	4
HSKE50SRK12X45 ⁽¹⁾	50	12	20	26	71	45	42	32	39	M6	3

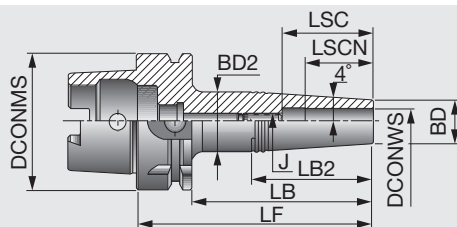
(1) Balanced to G2.5 max.n: 35,000 min⁻¹

When using an HSK type holder with the capability of internal coolant supply, be sure to use a cooling tube (sold separately).

Applicable for 10 MPa coolant

Reference pages





Inch	DCONMS (mm)	DCONWS	BD	BD2	LF	LB	LB2	LSCN	LSC	J	Wrench*
HSKA63SRK1/8X2.000	63	0.125	0.390	0.699	3.024	2.000	-	0.390	0.630	M6	3
HSKA63SRK1/8X3.250	63	0.125	0.390	0.823	4.274	3.250	3.098	0.390	0.630	M6	3
HSKA63SRK3/16X2.000	63	0.187	0.390	0.699	3.024	2.000	-	0.590	0.830	M6	3
HSKA63SRK3/16X3.250	63	0.187	0.390	0.823	4.274	3.250	3.098	0.590	0.830	M6	3
HSKA63SRK1/4X2.000	63	0.250	0.430	0.699	3.024	2.000	-	0.590	0.950	M8	4
HSKA63SRK1/4X3.250	63	0.250	0.430	0.866	4.274	3.250	3.098	0.710	0.950	M8	4
HSKA63SRK5/16X3.250	63	0.312	0.550	0.906	4.274	3.250	3.098	0.980	1.420	M6	3
HSKA63SRK3/8X2.000	63	0.375	0.630	0.787	3.024	2.000	1.693	1.180	1.610	M8	4
HSKA63SRK3/8X3.250	63	0.375	0.630	1.024	4.274	3.250	2.535	1.180	1.610	M8	4
HSKA63SRK7/16X2.000	63	0.437	0.790	1.067	3.024	2.000	-	1.220	1.650	M8	4
HSKA63SRK7/16X3.250	63	0.437	0.790	1.181	4.274	3.250	2.815	1.220	1.650	M10	5
HSKA63SRK1/2X2.000	63	0.500	0.790	1.063	3.024	2.000	-	1.260	1.690	M8	4
HSKA63SRK1/2X3.250	63	0.500	0.790	1.181	4.274	3.250	2.815	1.260	1.690	M10	5

* Wrench (metric size) for the rear stopper screw.

Applicable for 10 MPa coolant

When using an HSK type holder with the capability of internal coolant supply, be sure to use a cooling tube (sold separately).

Metric	DCONMS	DCONWS	BD	BD2	LF	LB	LB2	LSCN	LSC	J	Wrench
HSKA63SRK3X50	63	3	10	17	76	50	-	10	16	M6	3
HSKA63SRK3X85	63	3	10	21	111	85	79	10	16	M6	3
HSKA63SRK4X50	63	4	10	17	76	50	-	12	18	M6	3
HSKA63SRK4X85	63	4	10	21	111	85	79	12	18	M6	3
HSKA63SRK5X50	63	5	10	17	76	50	-	15	21	M6	3
HSKA63SRK5X85	63	5	10	21	111	85	79	15	21	M6	3
HSKA63SRK6X50	63	6	11	18	76	50	-	18	24	M8	4
HSKA63SRK6X85	63	6	11	22	111	85	79	18	24	M8	4
HSKA63SRK8X50	63	8	14	20	76	50	43	25	36	M6	3
HSKA63SRK8X85	63	8	14	23	111	85	64	25	36	M6	3
HSKA63SRK10X50	63	10	16	23	76	50	-	30	41	M8	4
HSKA63SRK10X85	63	10	16	26	111	85	72	30	41	M8	4
HSKA63SRK12X50	63	12	20	27	76	50	-	32	43	M8	4
HSKA63SRK12X85	63	12	20	30	111	85	72	32	43	M8	4

Applicable for 10 MPa coolant

When using an HSK type holder with the capability of internal coolant supply, be sure to use a cooling tube (sold separately).

Reference pages



Induction heating unit

K125



Heating unit

K125



Preset screw

K133



Clamping screw

K132



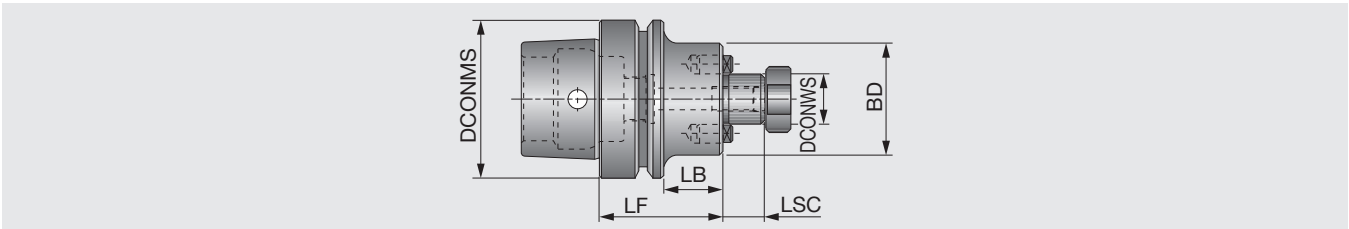
Wrench

K134, K135



Cooling tube

K134



Inch	DCONMS (mm)	DCONWS	LSC	BD	LF	LB
HSKE40SEM3/4X2.000	40	0.750	0.669	1.771	2.000	1.213
HSKE63SEM1X2.375	63	1.000	0.669	2.079	2.375	1.351

Applicable for 7 MPa coolant
When using an HSK type holder with the capability of internal coolant supply, be sure to use a cooling tube (sold separately).
Option: Wrench for center bolt

Reference pages



Preset screw
K133



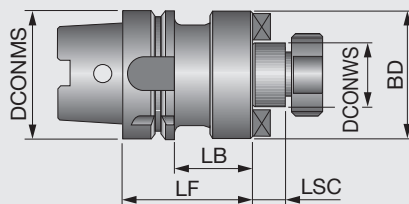
Clamping screw
K132



Wrench
K134, K135



Cooling tube
K134



Inch	DCONMS (mm)	DCONWS	LB	BD	LF	LSC
HSKA50SEM3/4X2.375*	50	0.750	0.669	1.770	2.375	1.351
HSKA63SEM3/4X2.375	63	0.750	0.669	1.770	2.375	1.351
HSKA63SEM1X1.750	63	1.000	0.669	2.086	1.750	0.726
HSKA63SEM1X4.000	63	1.000	0.669	2.086	4.000	2.984
HSKA63SEM1-1/4X2.375	63	1.250	0.669	2.510	2.375	1.351
HSKA63SEM1-1/2X2.375	63	1.500	0.940	3.070	2.375	1.351
HSKA100SEM3/4X3.000	100	0.750	0.669	1.770	3.000	1.858
HSKA100SEM1X2.375	100	1.000	0.669	2.165	2.375	1.233
HSKA100SEM1-1/4X1.875	100	1.250	0.669	2.500	1.875	0.733
HSKA100SEM1-1/2X1.875	100	1.500	0.940	3.071	1.875	0.733
HSKA100SEM2X2.375	100	2.000	0.940	3.881	2.375	1.233

* Requires a price and delivery time quotation.

Applicable for 7 MPa coolant

When using an HSK type holder with the capability of internal coolant supply, be sure to use a cooling tube (sold separately)

Option: Wrench for lock screw

Metric	DCONMS	DCONWS	LB	BD	LF	LSC
HSKA63SEM16X50	63	16	24	38	50	17
HSKA63SEM22X50	63	22	24	47	50	19
HSKA63SEM27X60	63	27	34	58	60	21
HSKA63SEM32X60	63	32	34	66	60	24
HSKA63SEM40X60	63	40	34	82	60	27
HSKA100SEM22X50 ⁽¹⁾	100	22	21	47	50	19
HSKA100SEM27X50 ⁽¹⁾	100	27	21	58	50	21
HSKA100SEM32X50 ⁽¹⁾	100	32	21	66	50	24
HSKA100SEM40X60 ⁽¹⁾	100	40	31	82	60	27
HSKA100SEM50X70 ⁽¹⁾	100	50	41	95	70	30

(1) Balanced to G6.3 max.n: 12,000 min⁻¹

Applicable for 7 MPa coolant

When using an HSK type holder with the capability of internal coolant supply, be sure to use a cooling tube (sold separately)

Option: Wrench for lock screw

Reference pages



Clamping screw

K132



Wrench

K134



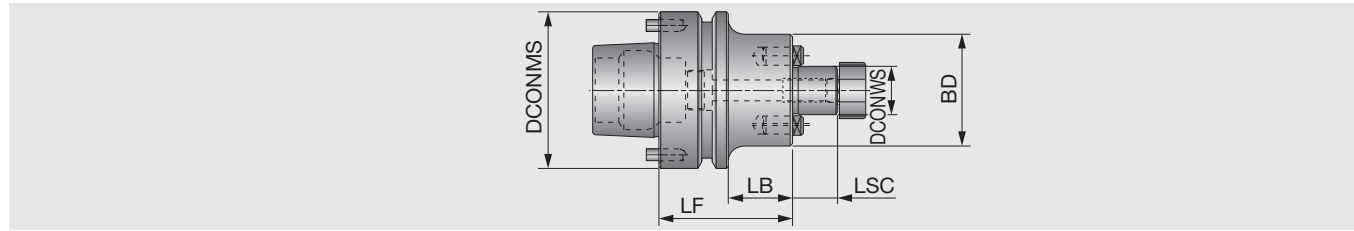
Wrench

K135



Cooling tube

K134



Inch	DCONMS (mm)	DCONWS	LSC	BD	LF	LB
HSKFM63SEM3/4X3.00	63	0.750	0.669	1.772	3.000	1.976
HSKFM63SEM3/4X4.50	63	0.750	0.669	1.772	4.500	3.476
HSKFM63SEM1X2.375	63	1.000	0.669	2.079	2.375	1.351
HSKFM80SEM3/4X2.00	80	0.750	0.669	1.772	2.000	0.976
HSKFM80SEM3/4X4.00	80	0.750	0.669	1.772	4.000	2.976
HSKFM80SEM1X2.00	80	1.000	0.669	2.165	2.000	0.976
HSKFM80SEM1X4.00	80	1.000	0.669	2.165	4.000	2.976

Applicable for 7 MPa coolant

The specification is based on HSK63F type.

This item improves torque transmission with two drive pins.

When using an HSK type holder with the capability of internal coolant supply, be sure to use a cooling tube (sold separately).

Option: Wrench for lock screw

Metric	DCONMS	DCONWS	LSC	BD	LF	LB
HSKFM63SEM22X60	63	22	19	47	60	34
HSKFM63SEM32X60	63	32	24	66	60	34
HSKFM63SEM3/4X3.00	63	19.05	17	45	76.2	50.2
HSKFM63SEM3/4X4.50	63	19.05	17	45	114.3	88.3
HSKFM63SEM1X2.375	63	25.4	17	52.8	60.3	34.3

Applicable for 7 MPa coolant

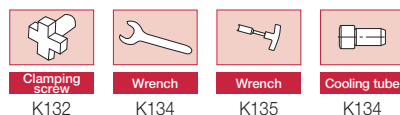
The specification is based on HSK63F type.

This item improves torque transmission with two drive pins.

When using an HSK type holder with the capability of internal coolant supply, be sure to use a cooling tube (sold separately).

Option: Wrench for lock screw

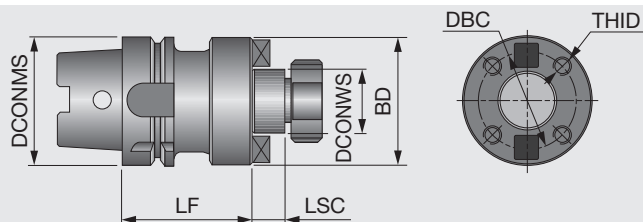
Reference pages



TUNGHOLD

HSK A-FM

Face mill holder (HSK-A)



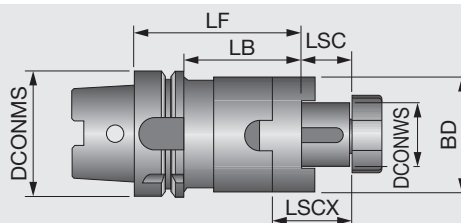
Inch	DCONMS (mm)	DCONWS	LSC	BD	LF	DBC	THID
HSKA100FM2-1/2X2.875	100	2.500	1.122	4.881	2.875	4.000	5/8-11

Option: Wrench for lock screw

TUNGHOLD

HSK A-SEMC

Combination holder for slot mill and shell mill (HSK-A)



Metric	DCONMS	DCONWS	LSC	BD	LF	LB	LSCX
HSKA63SEMC16X60	63	16	17	32	60	34	21
HSKA63SEMC22X60	63	22	19	40	60	34	31
HSKA63SEMC27X60	63	27	21	48	60	34	33
HSKA63SEMC32X60	63	32	24	58	60	34	38
HSKA63SEMC40X70	63	40	27	70	70	44	41
HSKA100SEMC16X60	100	16	17	32	60	31	27
HSKA100SEMC22X60	100	22	19	40	60	31	31
HSKA100SEMC27X60	100	27	21	48	60	31	33
HSKA100SEMC32X60	100	32	24	58	60	31	38
HSKA100SEMC40X70	100	40	27	70	70	41	41
HSKA100SEMC50X80	100	50	30	90	80	51	46

Applicable for 7 MPa coolant

Option: Wrench for lock screw

Reference pages



Clamping screw

K132



Wrench

K134



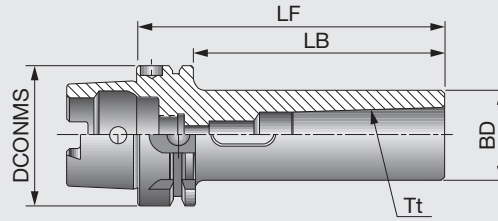
Wrench

K135

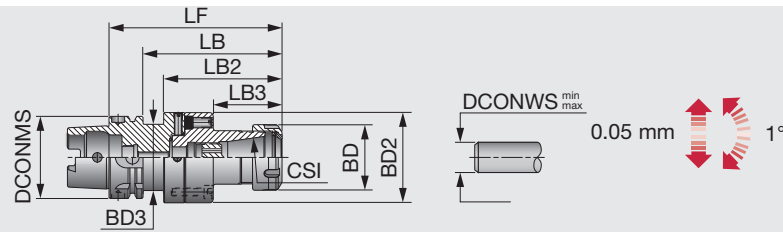


Cooling tube

K134



Metric	DCONMS	Tt	LF	BD	LB
HSKA63MT1X110	63	MT1	110	25	84
HSKA63MT2X120	63	MT2	120	32	94
HSKA63MT3X140	63	MT3	140	40	114
HSKA63MT4X160	63	MT4	160	48	134
HSKA100MT1X110	100	MT1	110	25	81
HSKA100MT2X120	100	MT2	120	32	91
HSKA100MT3X150	100	MT3	150	40	121
HSKA100MT4X170	100	MT4	170	48	141
HSKA100MT5X200	100	MT5	200	63	171



Metric	DCONMS	CSI	Range	LF	LB	LB2	LB3	BD	BD2	BD3
ADJHСКА63D70ER32	63	ER32	2-20	134.5	108.5	82.5	52.5	50	70	46
ADJHСКА100D70ER32	100	ER32	2-20	129.5	108.5	-	52.5	50	70	-

Applicable for 10 MPa coolant

Option: Wrench for ER collet

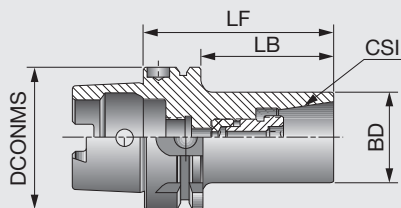
Reference pages

ER collet	Nut	Preset screw	Wrench	Cooling tube
K108	K128	K131	K130, K135	K134

TUNGCLICK

HSK A-CLICKIN

Quick change holder (HSK-A)



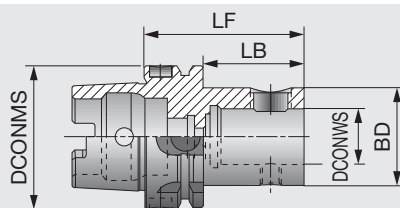
Metric	DCONMS	CSI	BD	LF	LB
HSKA63ER32CLICK-IN	63	32SRF	41	85	59

Applicable for 10 MPa coolant
Clamping torque: 235 N·m

TUNGFIT

HSK A-CF

Quick change holder (HSK-A)



Metric	DCONMS	DCONWS	BD	LF	LB
HSKA63CF4-S	63	25	44.5	70	44
HSKA80CF4-S	80	25	44.5	73	47
HSKA100CF4-S	100	25	44.5	76	47

Applicable for 7 MPa coolant
Clamping torque: 58.8 N·m

Reference pages



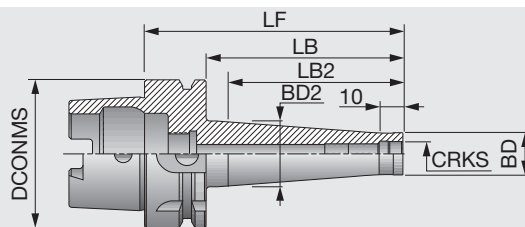
Wrench

K135



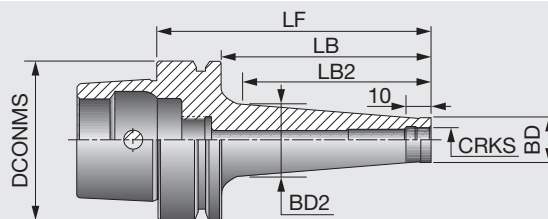
Cooling tube

K134



Metric	DCONMS	CRKS	BD	BD2	LF	LB	LB2
HSKA63ODP6X59	63	M6	9.7	10	59	33	25
HSKA63ODP6X109	63	M6	9.8	23	109	83	75
HSKA63ODP8X59	63	M8	13.1	15	59	33	25
HSKA63ODP8X109	63	M8	13.1	23	109	83	75
HSKA63ODP10X59	63	M10	18	20	59	33	25
HSKA63ODP10X109	63	M10	18	28	109	83	75
HSKA63ODP12X59	63	M12	21	24	59	33	25
HSKA63ODP12X109	63	M12	21	31	109	83	75
HSKA63ODP16X59	63	M16	29	34	59	33	25
HSKA63ODP16X109	63	M16	29	34	109	83	75
HSKA100ODP12X87 ⁽¹⁾	100	M12	23	30	87	58	50
HSKA100ODP12X137 ⁽¹⁾	100	M12	23	30	137	108	100
HSKA100ODP12X187 ⁽¹⁾	100	M12	23	40	187	158	150
HSKA100ODP12X237 ⁽¹⁾	100	M12	23	46	237	208	200
HSKA100ODP16X87 ⁽¹⁾	100	M16	29	31.5	87	58	50
HSKA100ODP16X137 ⁽¹⁾	100	M16	29	41.5	137	108	100
HSKA100ODP16X187 ⁽¹⁾	100	M16	29	55	187	158	150
HSKA100ODP16X237 ⁽¹⁾	100	M16	29	55	237	208	200

Applicable for 10 MPa coolant (1) Balanced to G6.5 max.n:12,000 min⁻¹



Metric	DCONMS	CRKS	BD	BD2	LF	LB	LB2
HSKE40ODP10X53	40	M10	18	20	53	33	25
HSKE40ODP10X103	40	M10	18	28	103	83	75
HSKE40ODP12X53	40	M12	21	24	53	33	25
HSKE40ODP12X103	40	M12	21	31	103	83	75
HSKE50ODP10X59 ⁽¹⁾	50	M10	18	20	59	33	25
HSKE50ODP10X109 ⁽¹⁾	50	M10	18	28	109	83	75
HSKE50ODP12X59 ⁽¹⁾	50	M12	21	24	59	33	25
HSKE50ODP16X59 ⁽¹⁾	50	M16	29	34	59	33	25
HSKE50ODP16X109 ⁽¹⁾	50	M16	29	34	109	83	75
HSKE63ODP10X59 ⁽²⁾	63	M10	18	20	59	33	25
HSKE63ODP10X109 ⁽²⁾	63	M10	18	28	109	83	75
HSKE63ODP12X59 ⁽²⁾	63	M12	21	24	59	33	25
HSKE63ODP12X109 ⁽²⁾	63	M12	21	31	109	83	75

Applicable for 10 MPa coolant (1) Balanced to G2.5 max.n: 35,000 min⁻¹. (2) Balanced to G2.5 max.n: 30,000 min⁻¹.

Reference pages



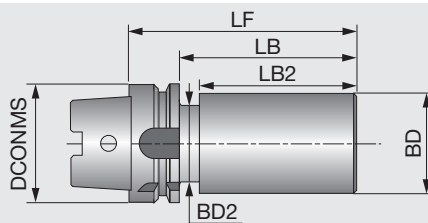
Wrench

K135



Cooling tube

K134



Metric	DCONMS	BD	BD2	LF	LB	LB2
HSKA63B16MN100	63	63	52.8	100	74	55.5
HSKA63B16MN200	63	63	52.8	200	174	155.5
HSKA100B16MN100	100	102	85	100	71	54.8
HSKA100B16MN200	100	102	85	200	171	154.8

Material: Case hardened alloy steel
 Shank hardness: 58 HRC minimum
 Nose hardness: 35-37 HRC

Reference pages



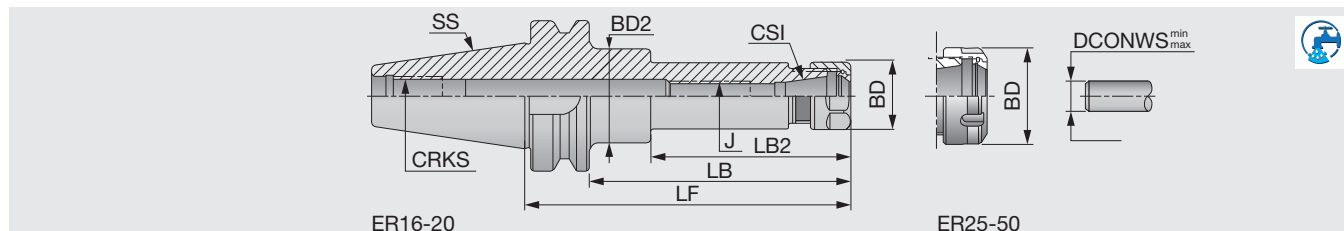
Wrench

K135



Cooling tube

K134



Inch	SS	CSI	Range	LF	LB	LB2	BD	BD2	J	CRKS
CAT30ER16X2.750 ⁽¹⁾	30	ER16	0.022 - 0.396	2.75	1.37	-	1.102	1.248	M10	1/2-13
CAT30ER20X2.562 ⁽¹⁾	30	ER20	0.041 - 0.514	2.562	1.102	-	1.248	1.248	M12	1/2-13
CAT30ER32X3.268 ⁽¹⁾	30	ER32	0.08 - 0.789	3.268	1.89	-	1.968	1.248	M18X1.5	1/2-13
CAT40ER16X3.937	40	ER16	0.022 - 0.396	3.937	1.37	-	1.102	1.752	M12	5/8-11
CAT40ER16X5.906	40	ER16	0.022 - 0.396	5.906	3.35	-	1.102	1.752	M12	5/8-11
CAT40ER20X3.937	40	ER20	0.041 - 0.514	3.937	2.56	-	1.339	1.752	M12	5/8-11
CAT40ER20X5.906	40	ER20	0.041 - 0.514	5.906	3.78	110	1.339	1.752	M12	5/8-11
CAT40ER25X2.562	40	ER25	0.041 - 0.632	2.562	1.18	-	1.654	1.752	M16	5/8-11
CAT40ER25X4.000	40	ER25	0.041 - 0.632	4	2.62	-	1.654	1.752	M16	5/8-11
CAT40ER25X6.000	40	ER25	0.041 - 0.632	6	4.62	-	1.654	1.752	M16	5/8-11
CAT40ER32X2.562	40	ER32	0.08 - 0.789	2.562	-	85	1.968	1.752	M22X1.5	5/8-11
CAT40ER32X4.000	40	ER32	0.08 - 0.789	4	-	-	1.968	1.752	M22X1.5	5/8-11
CAT40ER32X6.000	40	ER32	0.08 - 0.789	6	-	-	1.968	1.752	M22X1.5	5/8-11
CAT40ER40X3.359	40	ER40	0.12 - 1.025	3.359	-	-	2.48	1.752	M28X1.5	5/8-11
CAT40ER40X4.000	40	ER40	0.12 - 1.025	4	-	85	2.48	1.752	M28X1.5	5/8-11
CAT50ER16X3.937 ⁽¹⁾	50	ER16	0.022 - 0.396	3.937	2.56	85	1.102	2.752	M12	1-8
CAT50ER16X5.906 ⁽¹⁾	50	ER16	0.022 - 0.396	5.906	3.49	-	1.102	2.752	M12	1-8
CAT50ER16X8.000 ⁽¹⁾	50	ER16	0.022 - 0.396	8	2.98	-	1.102	2.752	M12	1-8
CAT50ER20X3.937 ⁽¹⁾	50	ER20	0.041 - 0.514	3.937	2.56	-	1.349	2.752	M16	1-8
CAT50ER20X5.906 ⁽¹⁾	50	ER20	0.041 - 0.514	5.906	4.53	-	1.349	2.752	M16	1-8
CAT50ER20X8.000 ⁽¹⁾	50	ER20	0.041 - 0.514	8	4.62	-	1.349	2.752	M16	1-8
CAT50ER25X4.000 ⁽¹⁾	50	ER25	0.041 - 0.632	4	2.58	-	1.654	2.752	M16	1-8
CAT50ER25X6.000 ⁽¹⁾	50	ER25	0.041 - 0.632	6	4.62	-	1.654	2.752	M16	1-8
CAT50ER25X8.000 ⁽¹⁾	50	ER25	0.041 - 0.632	8	6.58	-	1.654	2.752	M16	1-8
CAT50ER32X4.000 ⁽¹⁾	50	ER32	0.08 - 0.789	4	2.54	-	1.968	2.752	M22X1.5	1-8
CAT50ER32X6.000 ⁽¹⁾	50	ER32	0.08 - 0.789	6	4.58	-	1.968	2.752	M22X1.5	1-8
CAT50ER32X8.000 ⁽¹⁾	50	ER32	0.08 - 0.789	8	6.58	-	1.968	2.752	M22X1.5	1-8
CAT50ER40X4.000 ⁽¹⁾	50	ER40	0.12 - 1.025	4	2.62	-	2.48	2.752	M28X1.5	1-8
CAT50ER40X6.000 ⁽¹⁾	50	ER40	0.12 - 1.025	6	4.62	-	2.48	2.752	M28X1.5	1-8
CAT50ER40X8.000 ⁽¹⁾	50	ER40	0.12 - 1.025	8	6.58	-	2.48	2.752	M28X1.5	1-8
CAT50ER50X4.000 ⁽¹⁾	50	ER50	0.396 - 1.338	4	-	-	3.07	2.752	M36X1.5	1-8
CAT50ER50X6.000 ⁽¹⁾	50	ER50	0.396 - 1.338	6	-	-	3.07	2.752	M36X1.5	1-8

(1) Balanced to G6.3 at 12,000 min⁻¹.

(2) ER11 MINI Collet Chuck Spec.

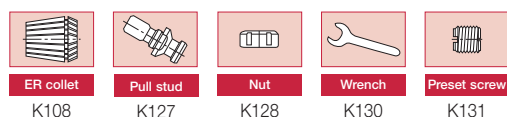
Add B for coolant through the flange.

Wrench is not included.

Applicable for 10 MPa pressure coolant.

Option: Wrench for ER Collet

Reference pages



ER collet
K108

Pull stud
K127

Nut
K128

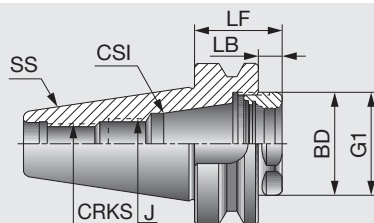
Wrench
K130

Preset screw
K131

TUNGSHORT

CAT-ER collet

TungShort collet chucks with CAT shank



Inch	SS	CSI	Range	LF	LB	BD	J	CRKS	G1
CAT40ER32SHORT	40	ER20	0.08 - 0.789	1.124	0.374	1.575	5/8X1 1	5/8X11	M40X1.5
CAT40ER32SHORTM	40	ER32	0.08 - 0.789	1.754	1	1.575	5/8X11	5/8X11	M40X1.5
CAT40ER40SHORT	40	ER32	0.12 - 1.025	2.124	1.37	1.969	5/8X11	5/8X11	M50X1.5
CAT50ER32SHORT	50	ER32	0.08 - 0.789	1.124	0.374	1.575	M22X1.5	1-8	M40X1.5
CAT50ER32SHORTM	50	ER32	0.08 - 0.789	1.754	1	1.575	M22X1.5	1-8	M40X1.5
CAT50ER40SHORT	50	ER40	0.12 - 1.025	1.124	0.374	1.969	M28X1.5	1-8	M50X1.5
CAT50ER40SHORTM	50	ER40	0.12 - 1.025	1.754	1	1.969	M28X1.5	1-8	M50X1.5

Add B for coolant through the flange.
Applicable for 10 MPa pressure coolant.

Option: Wrench for ER Collet

Reference pages



ER collet

K108



Pull stud

K127



Nut

K128



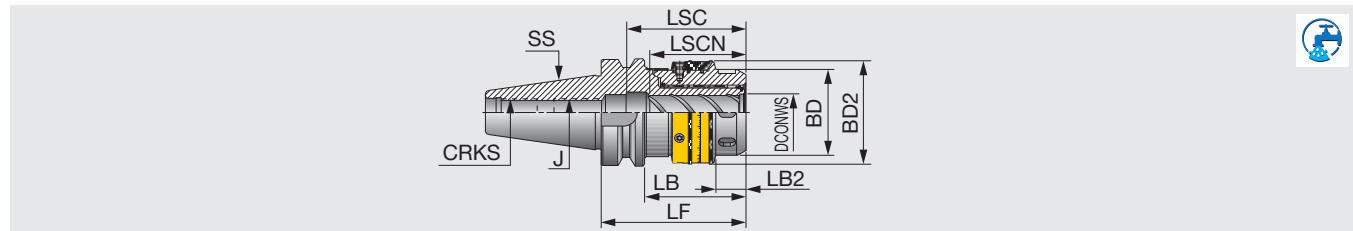
Wrench

K130



Preset screw

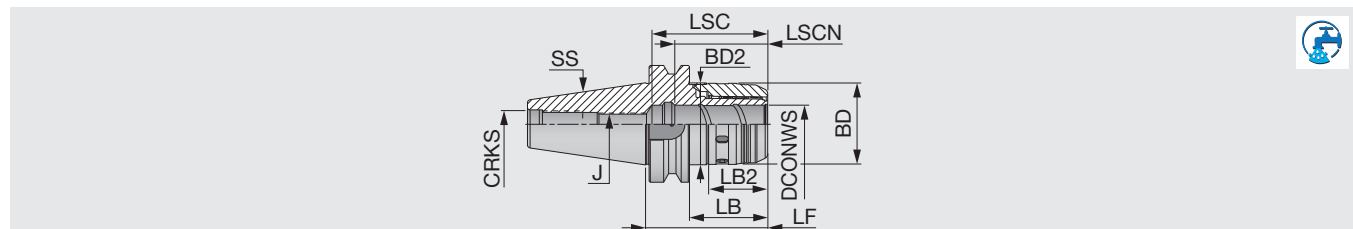
K131



Inch	SS	DCONWS	Range	LF	LB	LB2	BD	BD2	LSCN	LSC	J	CRKS
CAT50TUNGMAX3/4X4.13BIN ⁽¹⁾	50	0.75	0.25 - 0.75	4.138	3.386	0.689	1.988	2.394	2.19	2.72	M16	1-8

(1) Balanced to G6.3 at 8,000 min⁻¹.
Applicable for 10 MPa pressure coolant.

Option: Wrench for TungMax collet

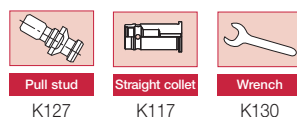


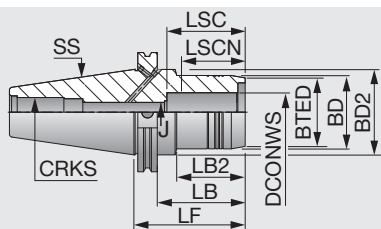
Inch	SS	DCONWS	Range	BD	BD2	LF	LB	LB2	LSCN	LSC	J	CRKS
CAT40MAXIN1-1/4X4.16	40	1.25	0.25 - 1.25	2.717	2.756	4.16	3.41	-	2.76	3.23	M16	5/8-11
CAT40MAXIN3/4X3.75	40	0.75	0.25 - 0.75	2	2.087	3.744	2.992	2.362	2.19	2.72	M16	5/8-11
CAT50MAXIN1-1/4X4.05	50	1.25	0.25 - 1.25	2.717	2.752	4.05	3.3	-	2.76	3.31	M20X2	1-8
CAT50MAXIN1-1/4X5.314	50	1.25	0.25 - 1.25	2.717	2.752	5.315	4.565	-	2.78	3.34	M20X2	1-8
CAT50MAXIN3/4X4.13	50	0.75	0.25 - 0.75	2	2.087	4.138	3.386	2.244	2.19	2.72	M16	1-8

(1) Chucks with taper size 40 can be balanced by the balancing ring up to G2.5 at 20,000 min⁻¹.
(2) Chucks with taper size 50 can be balanced by the balancing ring up to G2.5 at 18,000 min⁻¹.
Applicable for 10 MPa pressure coolant.

Option: Wrench for TungMax collet

Reference pages





Inch	SS	DCONWS	BTED	BD	BD2	LF	LB	LB2	LSCN	LSC	J	CRKS
CAT40HYDRO1/4X2.677	40	0.25	0.906	1.023	1.75	2.677	1.927	1.299	1.06	1.46	M5	5/8"-11UNC
CAT40HYDRO3/8X2.835	40	0.375	1.063	1.181	1.75	2.834	2.083	1.456	1.26	1.65	M6	5/8"-11UNC
CAT40HYDRO1/2X3.031	40	0.5	1.142	1.259	1.75	3.031	2.279	1.653	1.46	1.85	M8X1	5/8"-11UNC
CAT40HYDRO5/8X3.149	40	0.625	1.339	1.496	1.75	3.149	2.397	1.692	1.65	2.05	M8X1	5/8"-11UNC
CAT40HYDRO3/4X3.228	40	0.75	1.496	1.653	1.75	3.228	2.476	1.85	1.65	2.05	M12X1	5/8"-11UNC
CAT40HYDRO1X3.228	40	1	1.811	1.968	1.75	3.228	2.476	2.007	1.89	2.28	M16X1	5/8"-11UNC
CAT40HYDRO1-1/4X4.331	40	1.25	2.205	2.559	1.75	4.331	2.832	2.204	2.05	2.44	M16X1	5/8"-11UNC
CAT50HYDRO1/4X2.677	50	0.25	0.906	1.023	2.75	2.667	1.925	1.299	1.06	1.46	M5	1"-8 UNC
CAT50HYDRO3/8X2.834	50	0.375	1.063	1.181	2.75	2.834	2.083	1.456	1.26	1.65	M6	1"-8 UNC
CAT50HYDRO1/2X3.228	50	0.5	1.142	1.259	2.75	3.228	2.476	1.653	1.46	1.85	M10	1"-8 UNC
CAT50HYDRO5/8X3.149	50	0.625	1.339	1.496	2.75	3.149	2.397	1.574	1.65	2.05	M8X1	1"-8 UNC
CAT50HYDRO3/4X3.228	50	0.75	1.496	1.653	2.75	3.228	2.476	1.79	1.65	2.05	M12X1	1"-8 UNC
CAT50HYDRO1X3.228	50	1	1.811	1.968	2.75	3.228	2.476	1.771	1.65	2.28	M16X1	1"-8 UNC
CAT50HYDRO1-1/4X3.583	50	1.25	2.205	2.362	2.75	3.583	2.83	2.204	2.05	2.52	M16X1	1"-8 UNC

Chucking forces will be reduced by 25% if reduction sleeves are used.

Reduction sleeves are available for 3/4 and 1-1/4 " bore diameters (ordered 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 should be ordered separately.

Applicable for 10 MPa pressure coolant.

Reference pages



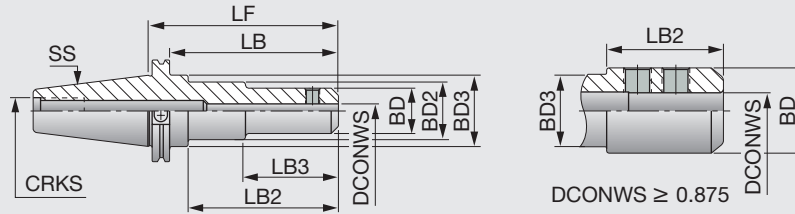
Pull stud

K127



Straight collet

K120



Inch	SS	DCONWS	BD	BD2	BD3	LF	LB	LB2	LB3	CRKS
CAT40EM3/16X2.500	40	0.187	0.866	-	1.752	2.5	1.75	1.121	-	5/8-11
CAT40EM1/4X2.500	40	0.25	1	-	1.752	2.5	1.75	1.121	-	5/8-11
CAT40EM3/8X1.750 ⁽¹⁾	40	0.375	1.5	-	1.752	1.75	1	-	-	5/8-11
CAT40EM3/8X2.500	40	0.375	1.248	-	1.752	2.5	1.75	1.121	-	5/8-11
CAT40EM3/8X2.500B ⁽¹⁾	40	0.375	1.248	-	1.752	2.5	1.75	1.121	-	5/8-11
CAT40EM1/2X1.750 ⁽¹⁾	40	0.5	1.5	-	1.752	1.75	1	-	-	5/8-11
CAT40EM1/2X2.625	40	0.5	1.752	-	1.752	2.625	1.875	-	-	5/8-11
CAT40EM1/2X2.625B ⁽¹⁾	40	0.5	1.752	-	1.752	2.625	1.875	-	-	5/8-11
CAT40EM5/8X1.750 ⁽¹⁾	40	0.625	1.5	-	1.752	1.75	1	-	-	5/8-11
CAT40EM5/8X3.750	40	0.625	1.752	-	1.752	3.75	3	-	-	5/8-11
CAT40EM5/8X3.750B ⁽¹⁾	40	0.625	1.752	-	1.752	3.75	3	-	-	5/8-11
CAT40EM3/4X1.750	40	0.75	1.75	-	1.752	1.75	1	-	-	5/8-11
CAT40EM3/4X3.750	40	0.75	1.752	-	1.752	3.75	3	-	-	5/8-11
CAT40EM3/4X3.750B ⁽¹⁾	40	0.75	1.752	-	1.752	3.75	3	-	-	5/8-11
CAT40EM7/8X4.000	40	0.875	2.047	-	1.752	4	3.25	2.62	-	5/8-11
CAT40EM1X1.750 ⁽¹⁾	40	1	2	-	1.752	1.75	1	-	-	5/8-11
CAT40EM1X1.750B ⁽¹⁾	40	1	2	-	1.752	1.75	1	-	-	5/8-11
CAT40EM1X4.000	40	1	2.559	-	1.752	4	3.25	2.62	-	5/8-11
CAT40EM1X4.000B ⁽¹⁾	40	1	2.559	-	1.752	4	3.25	2.62	-	5/8-11
CAT40EM1-1/4X2.000 ⁽¹⁾	40	1.25	2.25	-	1.752	2	1.25	-	-	5/8-11
CAT40EM1-1/4X4.250	40	1.25	2.752	-	1.752	4.25	3.5	2.87	-	5/8-11
CAT40EM1-1/4X4.250B ⁽¹⁾	40	1.25	2.752	-	1.752	4.25	3.5	2.87	-	5/8-11
CAT40EM1-1/2X4.625	40	1.5	3.15	-	1.752	4.625	3.875	3.245	-	5/8-11
CAT40EM1-1/2X4.625B ⁽¹⁾	40	1.5	3.15	-	1.752	4.625	3.875	3.245	-	5/8-11
CAT50EM1/4X2.500	50	0.25	1	-	2.752	2.5	1.75	1.12	-	1-8
CAT50EM1/4X4.500	50	0.25	1	-	2.752	4.5	3.75	3.15	-	1-8
CAT50EM1/4X6.250	50	0.25	1	1.969	2.752	6.25	5.5	4.87	2.756	1-8
CAT50EM3/8X2.500	50	0.375	1.248	-	2.752	2.5	1.75	1.12	-	1-8
CAT50EM3/8X2.500B ⁽¹⁾	50	0.375	1.248	-	2.752	2.5	1.75	1.12	-	1-8
CAT50EM3/8X4.500	50	0.375	1.248	-	2.752	4.5	3.75	3.12	-	1-8
CAT50EM3/8X6.500	50	0.375	1.248	1.969	2.753	6.5	5.5	5.12	3.13	1-8
CAT50EM3/8X6.500B ⁽¹⁾	50	0.375	1.248	1.969	2.753	6.5	5.5	5.12	3.13	1-8
CAT50EM1/2X2.625	50	0.5	1.752	-	2.752	2.625	1.875	1.245	-	1-8
CAT50EM1/2X2.625B ⁽¹⁾	50	0.5	1.752	-	2.752	2.625	1.875	1.245	-	1-8
CAT50EM1/2X4.625	50	0.5	1.752	-	2.752	4.625	3.875	3.245	-	1-8
CAT50EM1/2X4.625B ⁽¹⁾	50	0.5	1.752	-	2.752	4.625	3.875	3.245	-	1-8
CAT50EM1/2X6.625	50	0.5	1.752	2.205	2.752	6.625	5.875	5.245	3.248	1-8
CAT50EM1/2X6.625B ⁽¹⁾	50	0.5	1.752	2.205	2.752	6.625	5.875	5.245	3.248	1-8
CAT50EM5/8X3.750	50	0.625	1.752	-	2.752	3.75	3	2.37	-	1-8
CAT50EM5/8X3.750B ⁽¹⁾	50	0.625	1.752	-	2.752	3.75	3	2.37	-	1-8
CAT50EM5/8X5.750	50	0.625	1.752	-	2.752	5.75	5	4.37	-	1-8
CAT50EM5/8X5.750B ⁽¹⁾	50	0.625	1.752	-	2.752	5.75	5	4.37	-	1-8
CAT50EM5/8X7.750	50	0.625	1.752	2.165	2.753	7.75	7	6.37	4.39	1-8

Add B for coolant through the flange.

These tool holders can be used only on vertical machines with an umbrella type ATC. (They cannot be used with arm type ATC.)

Applicable for 7 MPa pressure coolant.

Reference pages



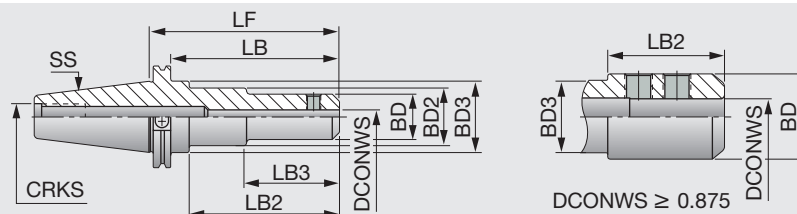
Pull stud

K127



Clamping screw

K133



Inch	SS	DCONWS	BD	BD2	BD3	LF	LB	LB2	LB3	CRKS
CAT50EM3/4X3.750	50	0.75	1.772	-	2.752	3.75	3	2.37	-	1-8
CAT50EM3/4X3.750B ⁽¹⁾	50	0.75	1.772	-	2.752	3.75	3	2.37	-	1-8
CAT50EM3/4X5.750	50	0.75	1.772	-	2.752	5.75	5	3.15	-	1-8
CAT50EM3/4X5.750B ⁽¹⁾	50	0.75	1.772	-	2.752	5.75	5	3.15	-	1-8
CAT50EM3/4X7.750	50	0.75	1.772	2.264	2.753	7.75	7	6.37	3.15	1-8
CAT50EM3/4X7.750B ⁽¹⁾	50	0.75	1.772	2.264	2.753	7.75	7	6.37	3.15	1-8
CAT50EM7/8X7.750	50	0.75	2.047	-	2.752	7.75	7	3.15	-	1-8
CAT50EM7/8X3.750	50	0.875	2.047	-	2.752	3.75	3	2.37	-	1-8
CAT50EM1X4.000	50	1	2.559	-	2.753	4	3.25	2.62	-	1-8
CAT50EM1X4.000B ⁽¹⁾	50	1	2.559	-	2.753	4	3.25	2.62	-	1-8
CAT50EM1X6.000	50	1	2.559	-	2.752	6	5.25	4.62	-	1-8
CAT50EM1X6.000B ⁽¹⁾	50	1	2.559	-	2.752	6	5.25	4.62	-	1-8
CAT50EM1X8.000	50	1	2.559	-	2.752	8	7.25	4.625	-	1-8
CAT50EM1-1/4X4.000	50	1.25	2.752	-	2.752	4	3.25	-	-	1-8
CAT50EM1-1/4X4.000B ⁽¹⁾	50	1.25	2.752	-	2.752	4	3.25	-	-	1-8
CAT50EM1-1/4X6.000	50	1.25	2.752	-	2.752	6	5.25	-	-	1-8
CAT50EM1-1/4X8.000	50	1.25	2.752	-	2.752	8	7.25	-	-	1-8
CAT50EM1-1/2X4.000	50	1.5	3.15	-	2.752	4	3.25	2.62	-	1-8
CAT50EM1-1/2X4.000B ⁽¹⁾	50	1.5	3.15	-	2.752	4	3.25	2.62	-	1-8
CAT50EM1-1/2X6.000	50	1.5	3.15	-	2.752	6	5.25	4.62	-	1-8
CAT50EM1-1/2X8.000	50	1.5	3.15	-	2.752	8	7.25	6.62	-	1-8
CAT50EM2X5.625	50	2	3.74	-	2.752	5.625	4.875	4.245	-	1-8

(1) Add B for coolant through the flange.

These tool holders can be used only on vertical machines with an umbrella type ATC. (They cannot be used with arm type ATC.)

Applicable for 7 MPa pressure coolant.

Reference pages



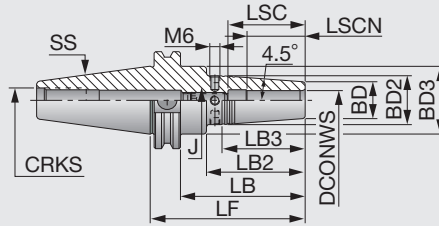
Pull stud

K127



Clamping screw

K133



Inch	SS	DCONWS	BD	BD2	BD3	LF	LB	LB2	LB3	LSCN	LSC	J	CRKS	Wrench
CAT40SRKIN1/4X3.500	40	0.25	0.827	1.063	1.752	3.5	2.75	2.12	1.501	0.98	1.42	M5	5/8-11	0.098
CAT40SRKIN5/16X3.500	40	0.313	0.827	1.063	1.752	3.5	2.75	2.12	1.501	0.98	1.42	M6	5/8-11	0.118
CAT40SRKIN3/8X3.750	40	0.375	0.945	1.26	1.752	3.75	3	2.37	2	1.22	1.65	M8	5/8-11	0.157
CAT40SRKIN7/16X3.750	40	0.438	0.945	1.26	1.752	3.75	3	2.37	2.001	1.42	1.85	M10	5/8-11	0.197
CAT40SRKIN1/2X3.750	40	0.5	0.945	1.26	1.752	3.75	3	2.37	2.001	1.42	1.85	M10	5/8-11	0.197
CAT40SRKIN5/8X3.750	40	0.625	1.063	1.339	1.752	3.75	3	2.37	1.751	1.54	1.97	M12	5/8-11	0.236
CAT40SRKIN3/4X4.000	40	0.75	1.299	1.654	1.752	4	3.25	2.62	2.251	1.61	2.05	M16	5/8-11	0.315
CAT40SRKIN7/8X4.000	40	0.875	1.732	2.087	1.752	4	3.25	2.62	2.251	1.61	2.05	M16	5/8-11	0.315
CAT40SRKIN1X4.000	40	1	1.732	2.087	1.752	4	3.25	2.62	2.251	1.85	2.28	M16	5/8-11	0.315
CAT40SRKIN1-1/4X4.000	40	1.25	1.732	2.087	1.752	4	3.25	2.62	2.251	1.85	2.28	M16	5/8-11	0.315
CAT50SRKIN1/4X3.500 ⁽¹⁾	50	0.25	0.827	1.063	2.752	3.5	2.75	2.12	1.501	0.98	1.42	M5	1-8	0.098
CAT50SRKIN5/16X3.500 ⁽¹⁾	50	0.313	0.827	1.063	2.752	3.5	2.7	2.12	1.501	0.98	1.42	M6	1-8	0.118
CAT50SRKIN3/8X3.750 ⁽¹⁾	50	0.375	0.945	1.26	2.752	3.75	3	2.37	2	1.22	1.65	M8	1-8	0.157
CAT50SRKIN7/16X3.750 ⁽¹⁾	50	0.438	0.945	1.26	2.752	3.75	3	2.37	2.001	1.42	1.85	M10	1-8	0.197
CAT50SRKIN1/2X3.750 ⁽¹⁾	50	0.5	0.945	1.26	2.752	3.75	3	2.37	2.001	1.42	1.85	M10	1-8	0.197
CAT50SRKIN5/8X3.750 ⁽¹⁾	50	0.625	1.063	1.339	2.752	3.75	3	2.62	1.751	1.54	1.97	M12	1-8	0.236
CAT50SRKIN3/4X4.000 ⁽¹⁾	50	0.75	1.299	1.654	2.752	4	3.25	2.62	2.251	1.61	2.05	M16	1-8	0.315
CAT50SRKIN7/8X4.000 ⁽¹⁾	50	0.875	1.732	2.087	2.752	4	3.25	2.62	2.251	1.61	2.05	M16	1-8	0.315
CAT50SRKIN1X4.000 ⁽¹⁾	50	1	1.732	2.087	2.752	4	3.25	2.62	2.251	1.85	2.28	M16	1-8	0.315
CAT50SRKIN1-1/4X4.000 ⁽¹⁾	50	1.25	1.732	2.087	2.752	4	3.25	2.62	2.251	1.85	2.28	M16	1-8	0.315

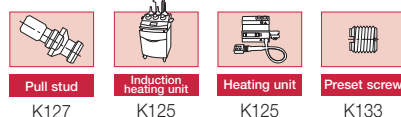
(1) Balanced to G2.5 20.000 min⁻¹

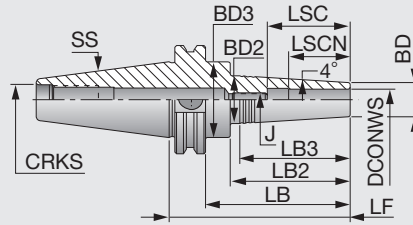
Use only inductive heating device for SRKIN holders.

Add B for coolant through the flange.

Applicable for 10 MPa pressure coolant.

Reference pages





Inch	SS	DCONWS	BD	BD2	BD3	LF	LB	LB2	LB3	LSCN	LSC	J	CRKS	Wrench
CAT40SRK1/8X2.000	40	0.125	0.394	0.591	1.752	3.38	2.63	2	1.4	0.39	0.63	M6	5/8-11	0.118
CAT40SRK1/8X3.250	40	0.125	0.394	0.748	1.752	4.63	2.88	3.25	2.526	0.39	0.63	M6	5/8-11	0.118
CAT40SRK3/16X2.000	40	0.188	0.394	0.591	1.752	3.38	2.63	2	1.4	0.59	0.83	M6	5/8-11	0.118
CAT40SRK3/16X3.250	40	0.188	0.394	0.748	1.752	4.963	2.88	3.25	2.526	0.59	0.83	M6	5/8-11	0.118
CAT40SRK1/4X2.000	40	0.25	0.433	0.63	1.752	3.38	2.63	2	1.398	0.71	0.95	M8	5/8-11	0.157
CAT40SRK1/4X3.250	40	0.25	0.433	0.787	1.752	4.63	2.88	3.25	2.524	0.71	0.95	M8	5/8-11	0.157
CAT40SRK5/16X2.000	40	0.313	0.551	0.787	1.752	3.38	2.63	2	1.673	0.98	1.22	M10	5/8-11	0.197
CAT40SRK5/16X3.250	40	0.313	0.551	0.906	1.752	4.63	2.88	3.25	2.518	0.98	1.22	M10	5/8-11	0.197
CAT40SRK3/8X2.000	40	0.375	0.63	0.866	1.752	3.38	2.63	2	1.669	1.18	1.42	M12	5/8-11	0.236
CAT40SRK3/8X3.250	40	0.375	0.63	0.965	1.752	4.63	2.88	3.25	2.373	1.18	1.42	M12	5/8-11	0.236
CAT40SRK7/16X2.000	40	0.438	0.787	1.024	1.752	3.38	2.63	2	1.665	1.22	1.61	M10	5/8-11	0.197
CAT40SRK7/16X3.250	40	0.438	0.787	1.102	1.752	4.63	2.88	3.25	2.228	1.22	1.61	M10	5/8-11	0.197
CAT40SRK1/2X2.000	40	0.5	0.787	1.024	1.752	3.38	2.63	2	1.665	1.26	1.65	M10	5/8-11	0.197
CAT40SRK1/2X3.250	40	0.5	0.787	1.102	1.752	4.63	3.25	3.25	2.228	1.26	1.65	M10	5/8-11	0.197

Applicable for 10 MPa pressure coolant.

Reference pages



Pull stud

K127



Induction heating unit

K125



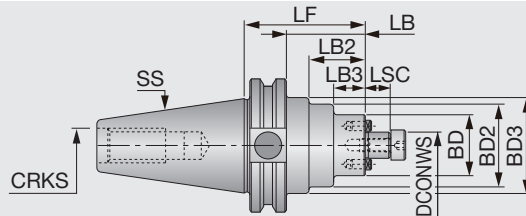
Heating unit

K125



Preset screw

K133



Inch	SS	DCONWS	BD	BD2	BD3	LF	LB	LB2	LB3	LSC	CRKS
CAT40SEM1/2X1.500	40	0.5	-	1.378	1.75	1.5	0.75	0.102	-	0.57	5/8-11
CAT40SEM3/4X1.375	40	0.75	-	-	1.752	1.375	0.625	-	-	0.669	5/8-11
CAT40SEM1X2.062	40	1	-	2.165	1.752	2.062	1.312	0.682	-	0.669	5/8-11
CAT40SEM1-1/4X2.125	40	1.25	-	2.752	1.752	2.125	1.375	0.745	-	0.669	5/8-11
CAT40SEM1-1/2X2.406	40	1.5	-	3.071	1.752	2.406	1.656	1.026	-	0.938	5/8-11
CAT50SEM3/4X1.500	50	0.75	-	1.772	2.752	1.5	0.75	0.12	-	0.669	1-8
CAT50SEM3/4X1.920X8.00	50	0.75	-	1.92	2.752	8	7.25	6.583	-	0.669	1-8
CAT50SEM3/4X3.500	50	0.75	-	1.772	2.752	3.5	0.75	2.102	-	0.669	1-8
CAT50SEM3/4X5.500	50	0.75	1.772	2.362	2.752	5.5	4.75	4.13	2.48	0.669	1-8
CAT50SEM1X2.000	50	1	-	2.165	2.752	2	1.25	0.62	-	0.669	1-8
CAT50SEM1X2.42X12.00	50	1	-	2.42	2.752	12	11.25	10.583	-	0.669	1-8
CAT50SEM1X4.000	50	1	-	2.165	2.752	4	3.25	0.728	-	0.669	1-8
CAT50SEM1X6.000	50	1	-	2.165	2.752	6	5.25	2.657	-	0.669	1-8
CAT50SEM1-1/4X1.500	50	1.25	-	-	1.752	1.5	0.75	-	-	0.669	1-8
CAT50SEM1-1/4X2.92X13.0	50	1.25	-	2.921	2.752	13	12.25	11.62	-	0.669	1-8
CAT50SEM1-1/4X3.500	50	1.25	-	-	2.752	3.5	2.75	-	-	0.669	1-8
CAT50SEM1-1/4X4.000	50	1.25	-	-	2.752	4	-	-	-	0.669	1-8
CAT50SEM1-1/4X6.000	50	1.25	-	-	2.752	6	-	-	-	0.669	1-8
CAT50SEM1-1/2X2.406	50	1.5	-	3.071	2.752	2.406	1.656	1.026	-	0.938	1-8
CAT50SEM1-1/2X4.000	50	1.5	-	3.071	2.752	4	3.25	2.62	-	0.938	1-8
CAT50SEM1-1/2X6.000	50	1.5	-	3.071	2.752	6	5.25	4.62	-	0.938	1-8
CAT50SEM2X2.406	50	2	-	3.858	2.752	2.406	1.656	1.026	-	0.938	1-8
CAT50SEM2X4.000	50	2	-	3.858	2.752	4	3.25	2.62	-	0.938	1-8

CAT40 = Balanced to G2.5 20,000 min⁻¹

CAT50 = Balanced to G2.5 15,000 min⁻¹

Reference pages



Pull stud

K127



Clamping screw

K132



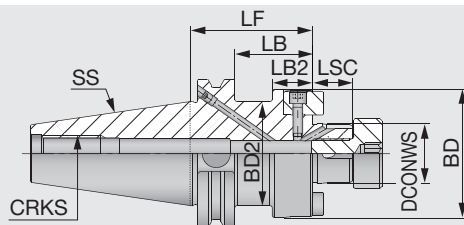
Wrench

K134

TUNGHOLD

CAT-SEM-C

Shell mill holder with coolant hole for CAT shank



Inch	SS	DCONWS	BD	BD2	LF	LB	LB2	LSC	CRKS
CAT40SEM1/2X2.000C	40	0.5	1.475	1.752	2	1.25	-	0.57	5/8-11
CAT40SEM3/4X1.375C	40	0.75	-	1.752	1.375	0.625	-	0.669	5/8-11
CAT40SEM1X2.062C	40	1	2.165	1.752	2.062	1.312	0.682	0.669	5/8-11
CAT40SEM1-1/4X2.125C	40	1.25	2.752	1.752	2.125	1.375	0.745	0.669	5/8-11
CAT40SEM1-1/2X2.406C	40	1.5	3.071	1.752	2.406	1.656	1.026	0.937	5/8-11
CAT50SEM1/2X3.500C	50	0.5	1.475	2.752	3.5	2.75	-	0.57	1-8
CAT50SEM3/4X2.000C	50	0.75	1.772	2.752	2	1.25	0.62	0.669	1-8
CAT50SEM3/4X3.500C	50	0.75	1.772	2.752	3.5	2.75	2.12	0.669	1-8
CAT50SEM3/4X5.500C	50	0.75	1.772	2.752	5.5	4.75	4.12	0.669	1-8
CAT50SEM1X2.000C	50	1	2.165	2.752	2	1.25	0.62	0.669	1-8
CAT50SEM1X4.000C	50	1	2.165	2.752	4	3.25	2.62	0.669	1-8
CAT50SEM1-1/4X2.000C	50	1.25	-	2.752	2	1.25	0.62	0.669	1-8
CAT50SEM1-1/4X3.500C	50	1.25	-	2.752	3.5	2.75	2.12	0.669	1-8
CAT50SEM1-1/2X2.500C	50	1.5	3.071	2.752	2.5	1.75	1.12	0.937	1-8
CAT50SEM1-1/2X4.000C	50	1.5	3.071	2.752	4	3.25	2.62	0.937	1-8

CAT40 = Balanced to G2.5 20,000 min⁻¹

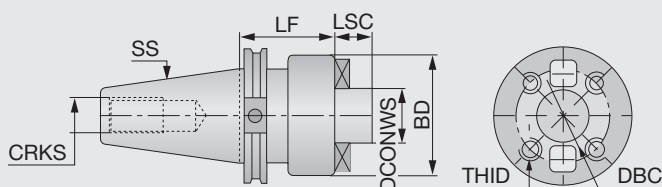
CAT50 = Balanced to G2.5 15,000 min⁻¹

Applicable for 7 MPa pressure coolant.

TUNGHOLD

CAT-FM

Face mill holder with CAT shank



Inch	SS	DCONWS	BD	DBC	LF	LSC	CRKS	THID
CAT50FM2-1/2X2.875	50	2.500	4.881	4	2.875	1.125	1-8	5/8-11

Reference pages



Pull stud

K127



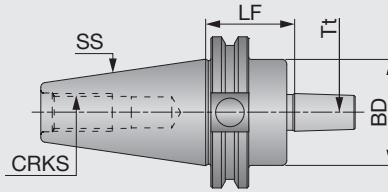
Clamping screw

K132

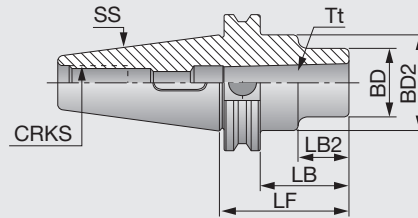


Wrench

K134



Inch	SS	Tt	LF	BD	CRKS
CAT40DCJ2X1.500	40	J2	1.5	1.752	5/8-11
CAT40DCJ3X1.500	40	J3	1.5	1.75	5/8-11
CAT40DCJ4X1.500	40	J4	1.5	1.752	5/8-11
CAT40DCJ6X1.500	40	J6	1.5	1.752	5/8-11
CAT40DCJ33X1.500	40	J33	1.5	1.752	5/8-11
CAT50DCJ3X1.656	50	J3	1.656	2.752	1-8
CAT50DCJ4X1.500	50	J4	1.5	2.752	1-8
CAT50DCJ5X1.625	50	J5	1.625	2.752	1-8
CAT50DCJ6X1.500	50	J6	1.5	2.752	1-8
CAT50DCJ33X1.500	50	J33	1.5	2.752	1-8



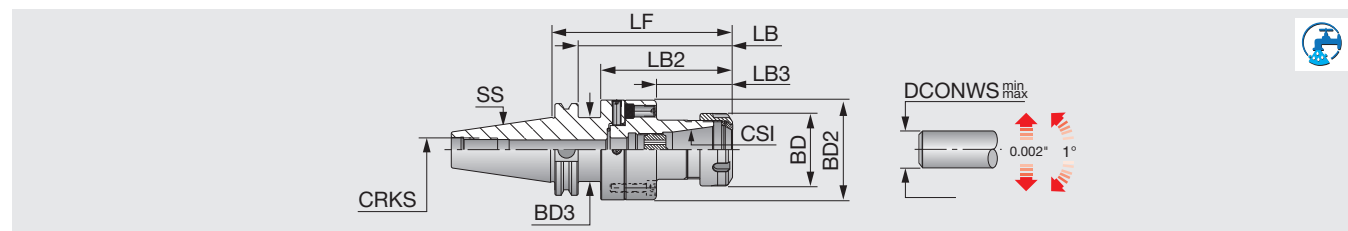
Inch	SS	Tt	LF	LB	LB2	BD	BD2	CRKS
CAT40MT1X1.750	40	MT1	1.75	1	0.37	1	1.752	5/8-11
CAT40MT2X2.250	40	MT2	2.25	1.5	0.87	1.26	1.752	5/8-11
CAT40MT3X2.765	40	MT3	2.765	2.015	-	-	1.752	5/8-11
CAT40MT4X3.625	40	MT4	3.625	2.875	2.245	2.008	1.752	5/8-11
CAT50MT1X1.500	50	MT1	1.5	0.75	0.12	1	2.752	1-8
CAT50MT2X2.000	50	MT2	2	1.25	0.62	1.26	2.752	1-8
CAT50MT3X2.500	50	MT3	2.5	1.75	1.12	1.575	2.752	1-8
CAT50MT4X3.375	50	MT4	3.375	2.625	1.995	1.969	2.752	1-8
CAT50MT5X3.750	50	MT5	3.75	3	-	-	2.752	1-8

Reference pages



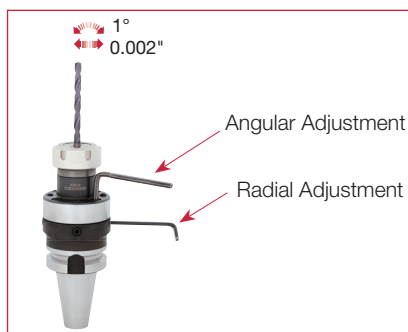
Pull stud

K127



Inch	SS	CSI	Range	LF	LB	LB2	LB3	BD	BD2	BD3	CRKS
ADJCAT40D2.756ER32	40	ER32	0.08 - 0.789	4.902	4.152	3.522	2.067	1.969	2.756	1.752	5/8-11
ADJCAT50D2.756ER32	50	ER32	0.08 - 0.789	4.902	4.152	-	2.067	1.969	2.756	-	1-8

Applicable for 10 MPa pressure coolant.



Reference pages



Pull stud

K127



ER collet

K108



Nut

K128



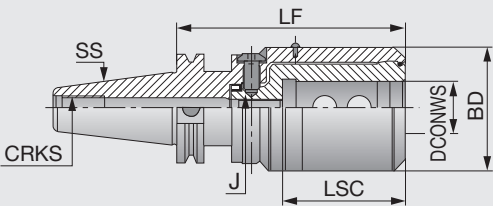
Wrench

K130



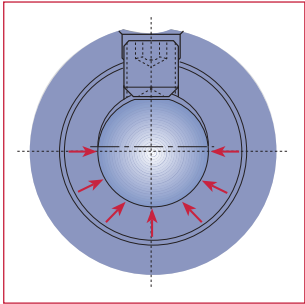
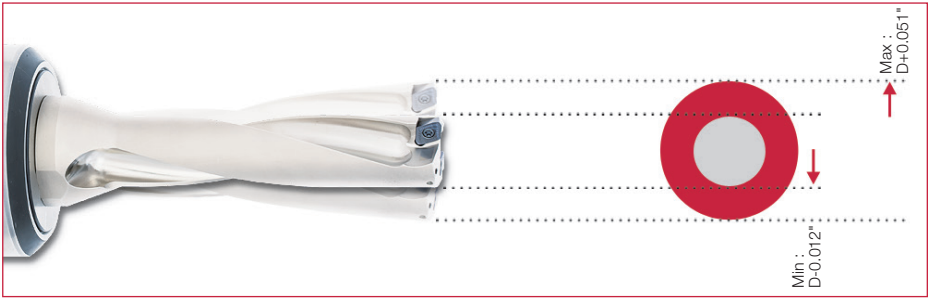
Preset screw

K131



Inch	SS	BD	DCONWS	LF	LSC	J	CRKS
TUNGBORE-CAT40EM1ADB	40	2.835	1	5.338	2.795	M10	5/8-11
TUNGBORE-CAT40EM1-1/4ADB	40	2.835	1.25	5.338	2.795	M10	5/8-11
TUNGBORE-CAT40EM1-1/2ADB	40	2.835	1.5	5.338	2.795	M10	5/8-11
TUNGBORE-CAT50EM3/4ADB	50	2.835	0.75	5.177	2.795	M10	1-8
TUNGBORE-CAT50EM1ADB	50	2.835	1	5.177	2.795	M10	1-8
TUNGBORE-CAT50EM1-1/4ADB	50	2.835	1.25	5.177	2.795	M10	1-8
TUNGBORE-CAT50EM1-1/2ADB	50	2.835	1.5	5.177	2.795	M10	1-8

Applicable for 10 MPa pressure coolant.



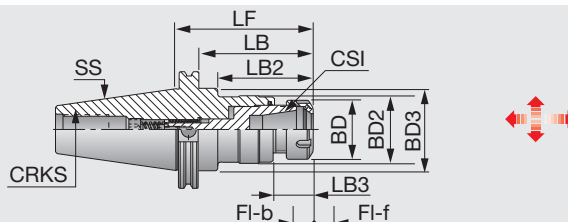
The bore's section is actually made from two shifted circular sections. The clamping screw pushes the drill shank through a narrowed opening, forcing elastic deformation of the holder. Contact is made around more than 180°, providing a high clamping force.



TUNG

GTI-CAT

TungGTI tapping attachment with CAT shank



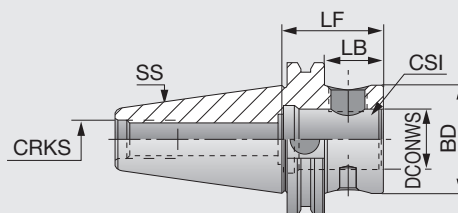
Inch	SS	CSI	Tap min	Tap max	LF	LB	LB2	LB3	BD	BD2	BD3	FI-f	FI-b	CRKS
GTICAT40ER16	40	ER16	#6	3/8	3.203	2.453	1.823	0.969	1.102	1.161	1.752	0.32	0.12	5/8-11
GTICAT40ER32	40	ER32	1/4	3/4	4.439	3.689	3.059	1.299	1.969	2.224	1.752	0.36	0.16	5/8-11
GTICAT40ER40	40	ER40	1/4	1-1/8	5.148	4.398	3.768	2.008	2.480	2.224	1.752	0.36	0.16	5/8-11
GTICAT50ER16	50	ER16	#6	3/8	4.213	3.463	2.833	0.969	1.102	1.161	2.752	0.32	0.12	1-8
GTICAT50ER32	50	ER32	1/4	3/4	4.543	3.793	3.163	1.299	1.969	2.224	2.752	0.36	0.16	1-8
GTICAT50ER40	50	ER40	1/4	1-1/8	5.252	4.502	3.872	2.008	2.480	2.224	2.752	0.36	0.16	1-8

Applicable for 10 MPa pressure coolant.

TUNG

CAT-CF

TungFit quick change style modular tooling system with CAT shank



Inch	SS	CSI	LF	LB	DCONWS	BD	CRKS
CAT40CF4-L	40	CF4	4.000	3.252	0.984	1.752	5/8-11
CAT40CF4-S	40	CF4	1.750	1.000	0.984	1.752	5/8-11
CAT50CF4-L	50	CF4	4.000	3.252	0.984	1.752	1-8
CAT50CF4-S	50	CF4	1.750	1.000	0.984	1.752	1-8

Tightening torque: 43.4 lb-ft
Add B for coolant through the flange.
Applicable for 10 MPa pressure coolant.

Reference pages



Pull stud

K127



ER collet

K108



Nut

K128



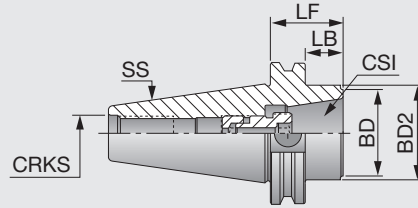
Wrench

K130



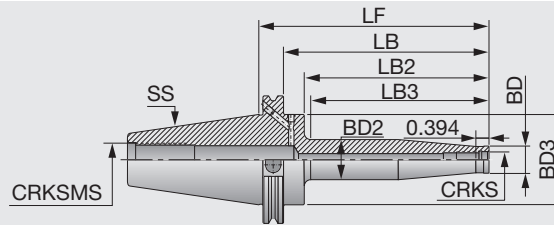
Preset screw

K131



Inch	SS	CSI	LF	LB	BD	BD2	CRKS
CAT40ER32CLICK-IN	40	32SRF	0.789	-	1.614	-	5/8X11
CAT50ER32CLICK-INM	50	32SRF	1.419	0.669	1.614	2.752	1-8

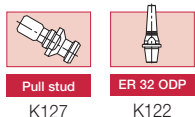
Tightening torque: 235 N·m
Applicable for 10 MPa pressure coolant.



Inch	SS	CRKS	BD	BD2	BD3	LF	LB	LB2	LB3	CRKSMS
CAT40ODPM6X2.000	40	M6	0.380	0.511	-	2.000	0.935	-	0.935	5/8-11
CAT40ODPM6X4.000	40	M6	0.380	0.725	-	4.000	2.935	-	2.935	5/8-11
CAT40ODPM8X2.000	40	M8	0.510	0.580	-	2.000	0.944	-	0.944	5/8-11
CAT40ODPM8X4.000	40	M8	0.510	0.790	-	4.000	2.913	-	2.913	5/8-11
CAT40ODPM10X2.000	40	M10	0.710	0.780	-	2.000	1.062	-	1.062	5/8-11
CAT40ODPM10X4.000	40	M10	0.710	0.990	-	4.000	3.149	-	3.149	5/8-11
CAT40ODPM12X4.000	40	M12	0.830	1.110	-	4.000	3.149	-	3.149	5/8-11
CAT40ODPM12X6.000	40	M12	0.830	1.310	-	6.000	5.118	-	5.118	5/8-11
CAT40ODPM16X4.000	40	M16	1.140	1.420	-	4.000	3.149	-	3.149	5/8-11
CAT40ODPM16X6.000	40	M16	1.140	1.620	-	6.000	5.118	-	5.118	5/8-11
CAT50ODPM8X5.000 ⁽¹⁾	50	M8	0.516	0.906	2.752	5.000	4.232	3.602	3.405	1-8
CAT50ODPM10X3.000 ⁽¹⁾	50	M10	0.709	0.693	2.752	3.000	2.232	1.602	1.405	1-8
CAT50ODPM10X7.000 ⁽¹⁾	50	M10	0.709	1.102	2.752	7.000	6.232	5.602	5.405	1-8
CAT50ODPM12X3.000 ⁽¹⁾	50	M12	0.827	0.811	2.752	3.000	2.232	1.602	1.405	1-8
CAT50ODPM12X7.000 ⁽¹⁾	50	M12	0.827	1.220	2.752	7.000	6.232	5.602	5.405	1-8
CAT50ODPM16X3.000 ⁽¹⁾	50	M16	1.142	1.126	2.752	3.000	2.232	1.602	1.405	1-8
CAT50ODPM16X7.000 ⁽¹⁾	50	M16	1.142	1.339	2.752	7.000	6.232	5.602	5.405	1-8

(1) Balanced to G2.5 12,000 min⁻¹
Applicable for 10 MPa pressure coolant.

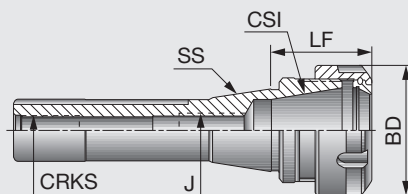
Reference pages



TUNGHOLD

R-8 ER

ER collet chuck holder (R-8 Bridgeport)



Metric	SS	CSI	Range	LF	BD	J	CRKS
R-8ER16X38	R-8	ER16	0.5-10	38	28	M10	7/16-20
R-8ER32X40	R-8	ER32	2-20	40	50	M12	7/16-20
R-8ER40X72	R-8	ER40	3-26	72	63	M12	7/16-20

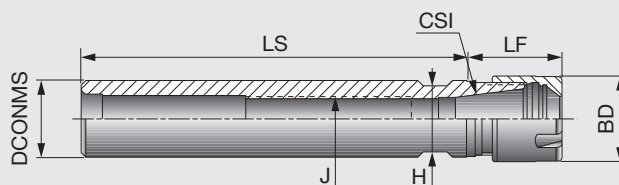
Applicable for 10 MPa coolant

Option: Wrench for ER collet

TUNGHOLD

ST-ER-M

ER Mini collet chuck holder (straight shank)



Metric	DCONMS	CSI	Range	LS	LF	J	BD	H
ST12X80ER11M	12	ER11	0.5-7	80	26.5	-	16	11
ST16X50ER11MF	16	ER11	0.5-7	50	18.5	M8	16	13
ST16X100ER11M	16	ER11	0.5-7	100	18.5	M8	16	13
ST16X150ER11M	16	ER11	0.5-7	150	18.5	M8	16	13
ST12X80ER16M	12	ER16	0.5-10	80	36.5	-	22	17
ST20X100ER16M	20	ER16	0.5-10	100	25	M12	22	17
ST20X150ER16M	20	ER16	0.5-10	150	25	M12	22	17
ST20X100ER20M	20	ER20	1-13	100	40	M12	28	21
ST20X150ER20M	20	ER20	1-13	150	40	M12	28	21

Applicable for 10 MPa coolant
F indicates a flat on the shank.

Option: Wrench for ER collet

Reference pages



ER collet

K108



Nut

K128



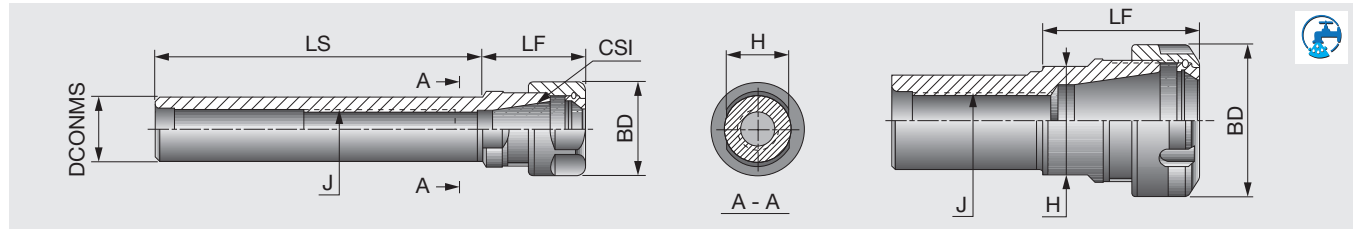
Wrench

K130



Preset screw

K131



Metric	DCONMS	CSI	Range	LS	LF	J	BD	H
ST16X50ER11F	16	ER11	0.5-7	50	18.5	M8	19	13
ST20X50ER11F	20	ER11	0.5-7	50	18.5	M10	19	17
ST20X100ER11	20	ER11	0.5-7	100	18.5	M10	19	17
ST20X150ER11	20	ER11	0.5-7	150	18.5	M10	19	17
ST20X50ER16F	20	ER16	0.5-10	50	32.3	M12	28	19
ST20X100ER16	20	ER16	0.5-10	100	30	M12	28	19
ST20X150ER16	20	ER16	0.5-10	150	30	M12	28	19
ST20X50ER20F	20	ER20	1-13	50	42.5	M12	34	22
ST25X100ER20	25	ER20	1-13	100	36	M16	34	22
ST25X150ER20	25	ER20	1-13	150	36	M16	34	22
ST20X50ER25F	20	ER25	1-16	50	46	M12	42	28
ST20X100ER25	20	ER25	1-16	100	46	M12	42	28
ST20X50ER32F	20	ER32	2-20	50	54	M12	50	36
ST20X100ER32	20	ER32	2-20	100	54	M12	50	36
ST25X50ER25F	25	ER25	1-16	50	46	M16	42	28
ST25X100ER25	25	ER25	1-16	100	46	M16	42	28
ST25X50ER32F	25	ER32	2-20	50	52	M16x2	50	36
ST25X50ER40F	25	ER40	3-26	50	60	M16x2	63	45
ST30X50ER32F	30	ER32	2-20	50	52	M18x1.5	50	36
ST30X50ER40F	30	ER40	3-26	50	60	M18x1.5	63	45
ST32X50ER32F	32	ER32	2-20	50	52	M18x1.5	50	36
ST32X150ER32	32	ER32	2-20	150	52	M18x1.5	50	36
ST32X50ER40F	32	ER40	3-26	50	60	M18x1.5	63	45
ST40X75ER32F	40	ER32	2-20	75	46	M22x1.5	50	44
ST40X75ER40F	40	ER40	3-26	75	55	M22x1.5	63	45
ST50X80ER40F	50	ER40	3-26	80	60	M28x1.5	63	54
ST50X80ER50F	50	ER50	10-34	80	77	M36x1.5	78	58

Applicable for 10 MPa coolant
F indicates a flat on the shank.

Option: Wrench for ER collet

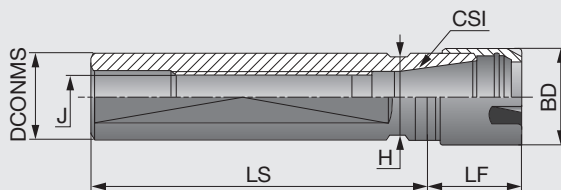
Reference pages

ER collet	Nut	Wrench	Preset screw
K108	K128	K130	K131

TUNGHOLD

ST-ER-MF

ER Mini collet chuck holder, with flat, for Swiss machines



Metric	DCONMS	CSI	Range	LS	LF	J	BD	H	Machine
ST16X35ER16MF	16	ER16	0.5-10	35	36	M8X1	22	17	Tsugami
ST16X38ER11MF	16	ER11	0.5-7	38	18.5	M8X1	16	14	Tsugami
ST16X140ER11MF	16	ER11	0.5-7	140	18.5	M8X1	16	14	-
ST20X70ER16MF	20	ER16	0.5-10	70	26	M12X1	22	17	Tsugami, Citizen
ST20X120ER16MF	20	ER16	0.5-10	120	26	M12X1	22	17	Tsugami, Citizen
ST20X140ER16MF	20	ER16	0.5-10	140	26	M12X1	22	17	Tsugami, Citizen
ST22X38ER16MF	22	ER16	0.5-10	38	26	M12X1	22	19	Star
ST22X70ER16MF	22	ER16	0.5-10	70	26	M12X1	22	19	Star
ST22X70ER25MF	22	ER25	0.5-16	70	47	M12X1	35	27	Star
ST22X80ER20MF	22	ER20	1-13	80	39	M12X1	28	21	Star
ST22X100ER16MF	22	ER16	1-16	100	28	M12X1	22	19	Star
ST25X65ER16MF	25	ER16	0.5-10	65	28	M12X1	22	22	Citizen
ST25X75ER25MF	25	ER25	1-16	75	48	M14X1	35	27	Manurhin
ST25X100ER20MF	25	ER20	1-13	100	28	M14X1	28	22	Tornos
ST25X145ER25MF	25	ER25	1-16	145	36	M14X1	35	27	Tornos
ST25X154ER20MF	25	ER20	1-13	154	28	M14X1	28	22	Tornos
ST32X70ER25MF	32	ER25	1-16	70	30	M18X1	35	27	Schuette

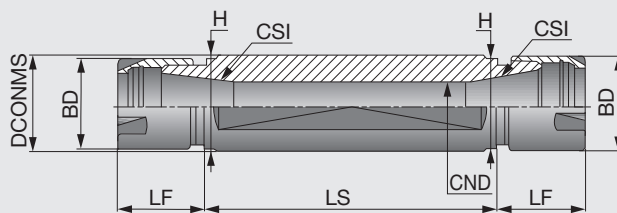
Applicable for 10 MPa coolant

Option: Wrench for ER collet

TUNGHOLD

ST-ER-MF-D

ER Mini collet chuck holder, double end type



Metric	DCONMS	CSI	Range	LS	LF	BD	CND	H	Machine
ST16X50ER11MFD	16	ER11	0.5-7	50	18.5	16	7.5	14	-
ST20X30ER11MFD	20	ER11	0.5-7	30	18.5	16	7.5	17	Tsugami
ST20X50ER11MFD	20	ER11	0.5-7	50	18.5	16	7.5	17	Tsugami
ST20X55ER16MFD	20	ER16	0.5-10	55	25	22	10.5	17	Tsugami
ST22X55ER16MFD	22	ER16	0.5-10	55	28	22	10.5	19	Star
ST22X75ER16MFD	22	ER16	0.5-10	75	28	22	10.5	19	Star
ST25X62ER16MFD	25	ER16	0.5-10	62	28	22	10.5	22	-
ST32X55ER20MFD	32	ER20	1-13	55	28	28	13.5	27	Star
ST32X75ER20MFD	32	ER20	1-13	75	28	28	13.5	27	Star

Applicable for 10 MPa coolant

Option: Wrench for ER collet

Reference pages



ER collet
K108



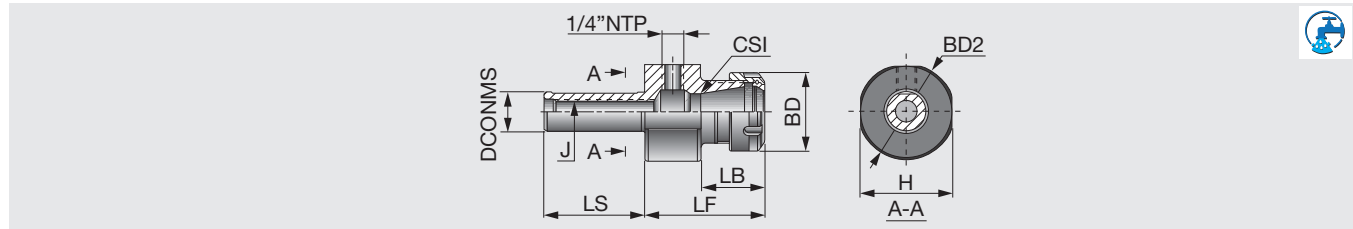
Nut
K128



Wrench
K130



Preset screw
K131



Metric	DCONMS	CSI	Range	LS	LF	LB	J	BD	BD2	H
ST20X65ER20S	20	ER20	1-13	65	63	31	M12	34	40	34
ST20X65ER25S	20	ER25	1-16	65	72	32	M12	42	54	51
ST20X65ER32S	20	ER32	2-20	65	77	41	M12	50	63	59
ST32X65ER32S	32	ER32	2-20	65	77	41	M18x1.5	50	63	59
ST40X75ER32S	40	ER32	2-20	75	77	41	M22x1.5	50	63	59

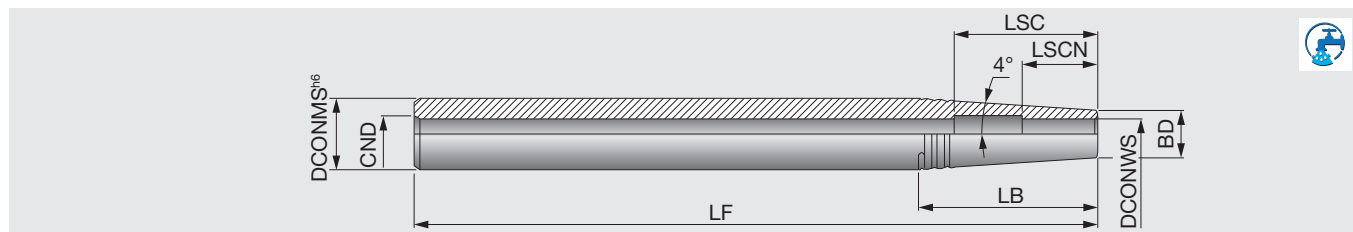
Applicable for 10 MPa coolant

Option: Wrench for ER collet

TUNGSHRINK

ST-SRK

Thermal shrinking holder for carbide shank (straight shank)



Metric	DCONMS	DCONWS	BD	CND	LF	LB	LSCN	LSC
ST12X160SRK3	12	3	10	4	160	14.3	10	-
ST12X160SRK4	12	4	10	4	160	14.3	12	27
ST16X160SRK3	16	3	10	6	160	43	10	-
ST16X160SRK4	16	4	10	6	160	43	12	-
ST16X160SRK5	16	5	10	6	160	43	15	-
ST16X160SRK6	16	6	11	6	160	35.5	18	35
ST20X200SRK5	20	5	10	6	200	71.5	15	-
ST20X200SRK6	20	6	11	6	200	64.5	18	40
ST20X200SRK8	20	8	14	6	200	43	25	40
ST25X200SRK6	25	6	11	8	200	100	18	35
ST25X200SRK8	25	8	14	8	200	78.6	25	40
ST25X200SRK10	25	10	16	8	200	64.3	30	50
ST25X200SRK12	25	12	20	8	200	35.7	32	52

Applicable for 10 MPa coolant

Option: Wrench for ER collet

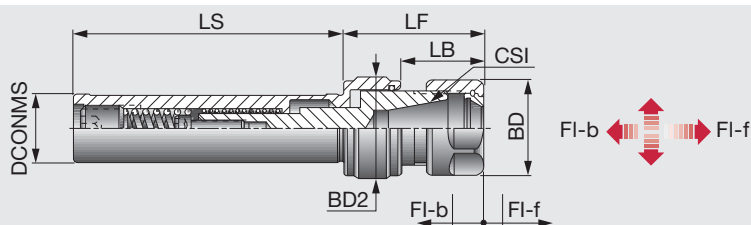
Reference pages

ER collet	Nut	Wrench	Preset screw
K108	K128	K130	K131

TUNGSTI

GTI-ER-ST

Tapping holder (straight shank)

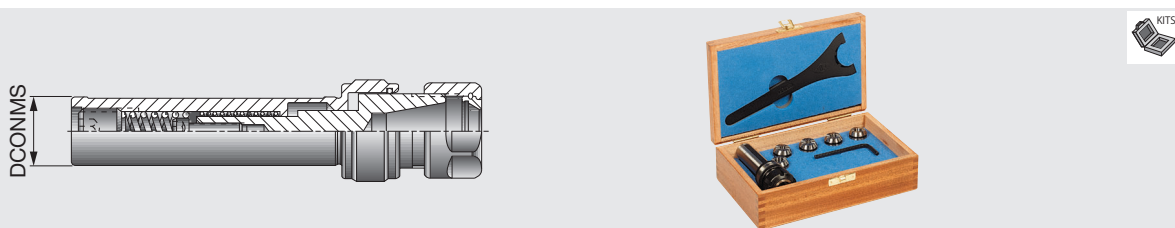


Metric	DCONMS	CSI	Tap min	Tap max	Range	BD	BD2	LB	LF	LS	FI-f	FI-b
GTIER11ST16X150M	16	ER11	M2	M7	0.5-7	16	-	19	-	150	6	3
GTIER16ST20X80	20	ER16	M3	M10	0.5-10	28	29.5	24.6	41.6	80	8	3
GTIER20ST20X80	20	ER20	M4	M14	1-13	34	33.5	28	49	80	8	3
GTIER25ST25X80	25	ER25	M5	M16	1-16	42	40.5	32	53	80	9	4
GTIER32ST25X80	25	ER32	M6	M20	1-16	50	56.5	32	77.2	80	9	4
GTIER40ST32X80	32	ER40	M6	M27	2-20	63	56.5	51	95.2	80	9	4

Option: Wrench for ER collet

KIT GTI-ER-ST

ER tapping holder and spring collets (straight shank)



Metric	Collet size	DCONMS	Qty	Range
KITGTIER16ST20X804	ER16	20	4	4,5,6,7
KITGTIER20ST20X804	ER20	20	4	5,6,7,8
KITGTIER25ST25X805	ER25	25	5	6,7,9,11,12
KITGTIER32ST25X806	ER32	25	6	6,7,9,11,12,16
KITGTIER40ST32X806	ER40	32	6	9,11,14,16,18,20

Includes GTI collets and wrench

Reference pages



ER collet
K108



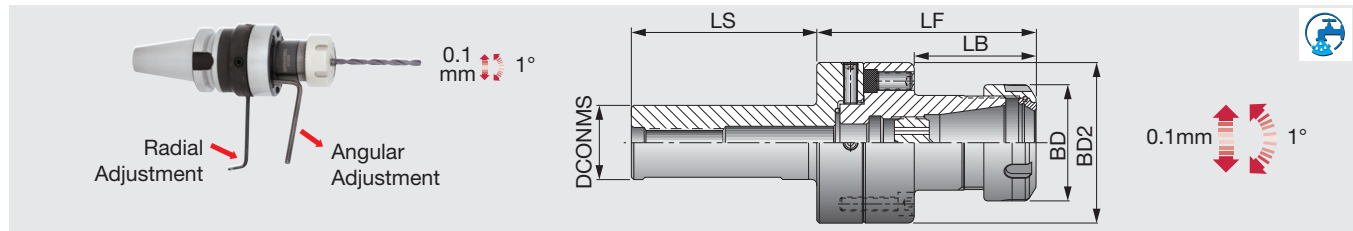
Nut
K128



Wrench
K130



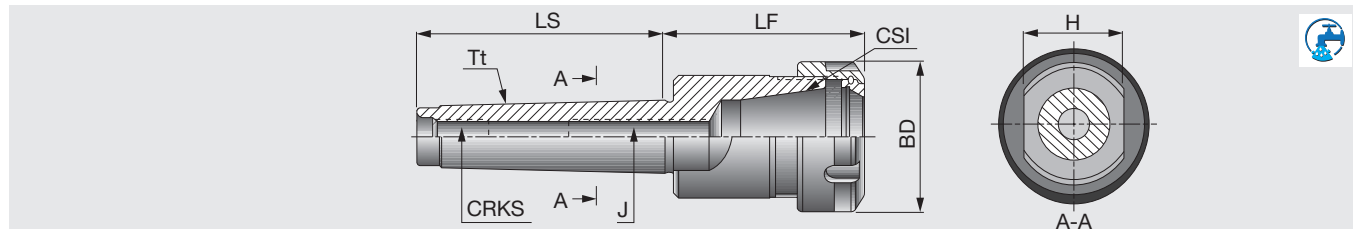
Preset screw
K131



Metric	Range	LF	LB	LS	BD	BD2	DCONMS
ADJST25D70ER32	2-20	94.5	52.5	80	50	70	25
ADJST32D70ER32	2-20	94.5	52.5	80	50	70	32

Applicable for 10 MPa coolant

Option: Wrench for ER collet



Metric	Tt	CSI	Range	LF	LS	BD	J	CRKS	H
MT2ER20X48.5	MT 2	ER20	1-13	48.5	64	34	M10	M10	22
MT2ER25X52	MT 2	ER25	1-16	52	64	42	M10	M10	28
MT3ER32X69	MT 3	ER32	2-20	69	81	50	M12	M12	24
MT3ER40X79	MT 3	ER40	3-26	79	81	63	M12	M12	24
MT4ER32X61	MT 4	ER32	2-20	60.5	102.5	50	M16	M16	32
MT4ER40X82	MT 4	ER40	3-26	81.5	102.5	63	M16	M16	32
MT4ER50X108	MT 4	ER50	10-34	107.5	102.5	78	M16	M16	32
MT5ER40X82	MT 5	ER40	3-26	82	129.5	63	M28x1.5	M20	45
MT5ER50X85	MT 5	ER50	10-34	85	129.5	78	M28x1.5	M20	45

Applicable for 3 MPa coolant

Option: Wrench for ER collet

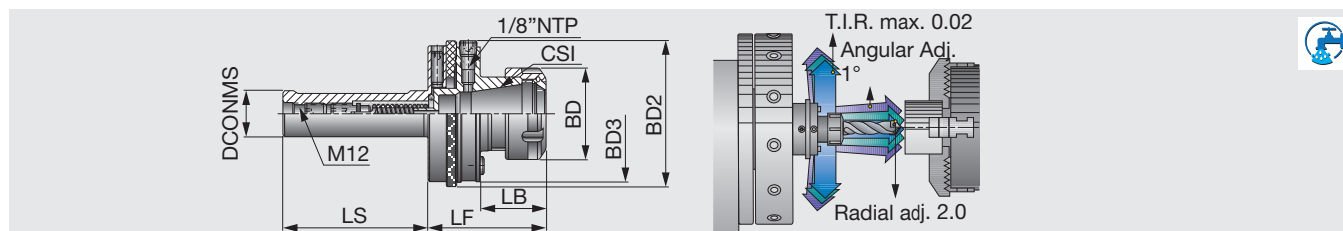
Reference pages

ER collet	Nut	Wrench	Preset screw
K108	K128	K130	K131

TUNGGYRO

GYRO ST-ER TungGYRO

Collet chuck holder with center alignment, for lathes



Metric	DCONMS	CSI	Range	LF	LB	LS	BD	BD3	BD2
GYROST25ER25	25	ER25	1-16	65.65	35.5	80	42	74	79
GYROST40ER32	40	ER32	2-20	66.65	36.5	80	50	74	79

Applicable for 3 MPa coolant

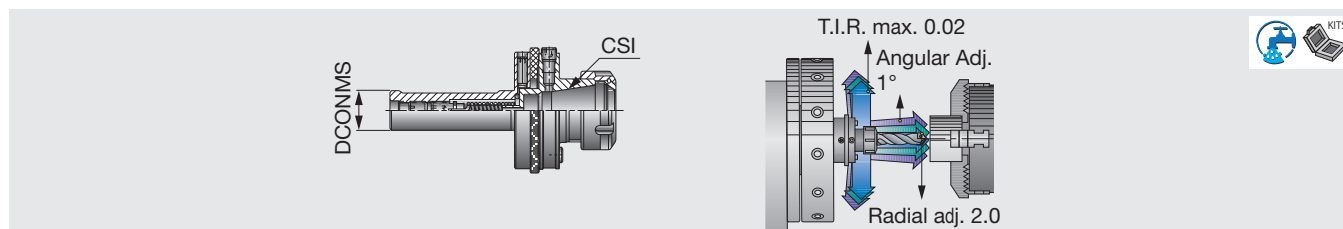
For the alignment, first-time users should purchase a TungGyro kit which includes a test bar and a bushing.

Option: Wrench for ER collet

TUNGGYRO

KIT GYRO-ST-ER

Kit for holders with center alignment (straight shank)



Inch	DCONMS	CSI	Range
KITGYROST1-1/4XER32	1.25	ER32	0.080 - 0.789

Metric	DCONMS	CSI	Range
KITGYROST20ER25	20	ER25	1-16
KITGYROST25ER25	25	ER25	1-16
KITGYROST40ER32	40	ER32	2-20

Applicable for 3 MPa coolant

Kit includes TungGyro holder, test bar, and bushing.

Option: Wrench for ER collet

Reference pages



ER collet
K108



Nut
K128

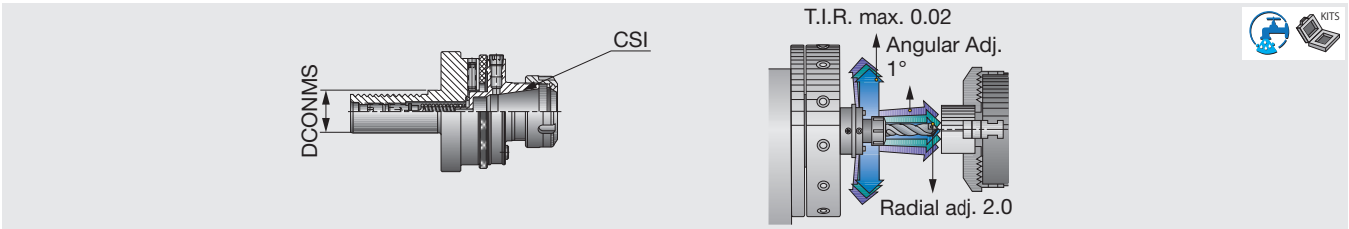


Wrench
K130



Preset screw
K131

Kit for holders with center alignment (DIN69880)



Metric	DCONMS	CSI	Range
KITGYRO30D69880ER25	30	ER25	1-16
KITGYRO30D69880ER32	30	ER32	2-20
KITGYRO40D69880ER32	40	ER32	2-20
KITGYRO50D69880ER32	50	ER32	2-20

Applicable for 3 MPa coolant
Kit includes TungGyro holder, test bar, and bushing.

Option: Wrench for ER collet

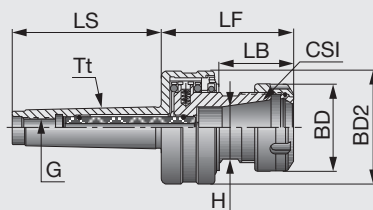
Reference pages

			
ER collet K108	Nut K128	Wrench K130	Preset screw K131

TUNG GFI

GFI-MT-ER

Floating reamer collet chuck



Metric	Tt	CSI	Range	LS	LF	LB	BD	BD2	Radial float	H	G
GFIMT2ER20	MT 2	ER20	1-13	64	60.5	34.5	34	50	1	22	M10
GFIMT3ER32	MT 3	ER32	2-20	81	81.9	45.9	50	65	1.6	36	M12

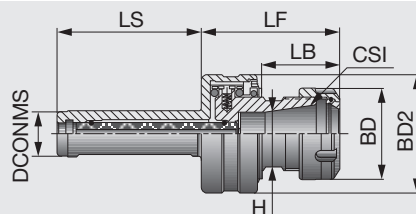
Applicable for 3 MPa coolant
Maximum 2000 min⁻¹

Option: Wrench for ER collet

TUNG GFI

GFI-ST-ER

Floating reamer collet chuck



Metric	DCONMS	CSI	Range	LS	LF	LB	BD	BD2	Radial float	H
GFIST20ER20	20	ER20	1-13	65	55.5	34.5	34	50	1	22
GFIST25ER32	25	ER32	2-20	80	76.9	45.9	50	65	1.6	36

Applicable for 3 MPa coolant
Maximum 2000 min⁻¹

Option: Wrench for ER collet

Reference pages



ER collet
K108



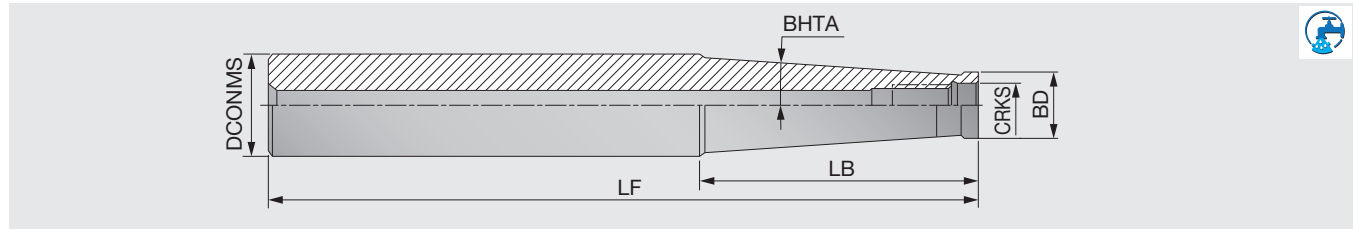
Nut
K128



Wrench
K130



Preset screw
K131



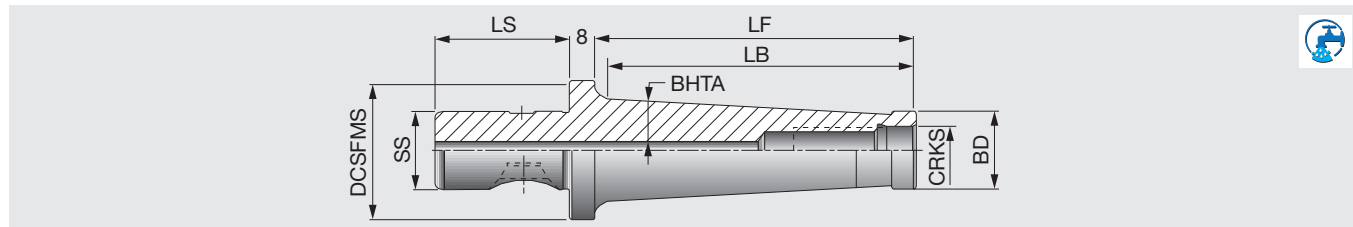
Metric	DCONMS	BD	LF	LB	BHTA	CRKS
SM06-L60C10	10	9.7	60	20	0°	M6
SM06-L105-C12	12	9.7	105	60	1.2°	M6
SM06-L125-C16	16	9.7	125	60	3.3°	M6
SM08-L73C16	16	13	73	25	0°	M8
SM08-L128-C16	16	13	128	80	0.9°	M8
SM08-L170-C20	20	13	170	66.8	3.3°	M8
SM10-L80C20	20	18	80	30	0°	M10
SM10-L130-C20	20	18	130	80	0.6°	M10
SM10-L200-C25	25	19	200	57.2	3.3°	M10
SM12-L86-C25	25	21	86	30	5.1°	M12
SM12-L200-C32	32	21	200	78	4.4°	M12
SM16-L95-C32	32	29	95	35	1.7°	M16
SM16-L230-C32	32	29	230	50	1.8°	M16

Applicable for 10 MPa coolant
A coolant hole with all types of shanks

TUNGFIT TUNGFLEX

S M-CF4 TungFit adapter

TungFlex - TungFit conversion adapter



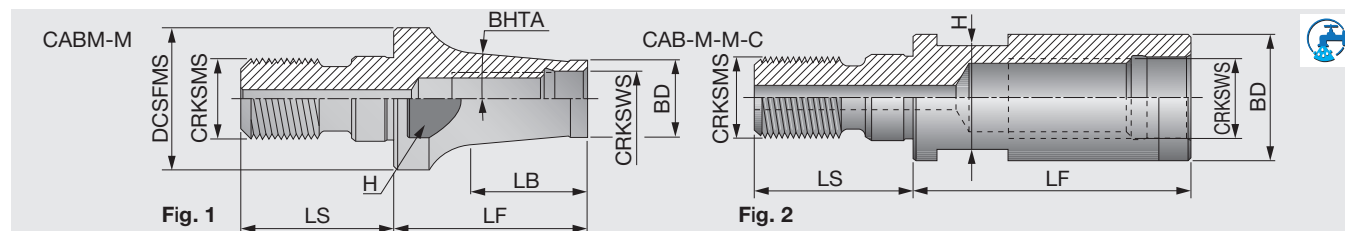
Metric	BD	LF	LB	BHTA	SS	DCSFMS	LS	CRKS
SM12-L85/3.30-CF4	21	93	81.3	4.4°	CF4	44	42	M12
SM16-L130/5.11-CF4	29	138	126.8	2.6°	CF4	44	42	M16
SM12-L140/5.50-CF4	21	148	139.1	4.4°	CF4	44	42	M12
SM16-L170/6.70-CF4	29	178	168.6	2°	CF4	44	42	M16

Applicable for 10 MPa coolant

TUNGFLEX

CAB M-M

Reducer and extension



Metric	CRKSMS	BHTA	BD	LF	LB	DCSFMS	LS	H	CRKSWS	Fig.
CABM06M08	M8	5.7°	9.7	30	24.8	13	17.5	9.5	M6	1
CABM08M08-C ⁽¹⁾	M8	0°	13	30	-	-	17.5	9.6	M8	2
CABM08M10	M10	5.2°	13	40	33.4	18	20	15	M8	1
CABM10M10-C ⁽¹⁾	M10	0°	18	35	-	-	20	15	M10	2
CABM10M12	M12	2.5°	18	45	36.4	21	22	17	M10	1
CABM12M12-C ⁽¹⁾	M12	0°	21	40	-	-	22	17	M12	2
CABM12M16	M16	6.3°	21	50	42.5	29	25	25	M12	1
CABM16M16-C ⁽¹⁾	M16	0°	29	40	-	-	25	25	M16	2

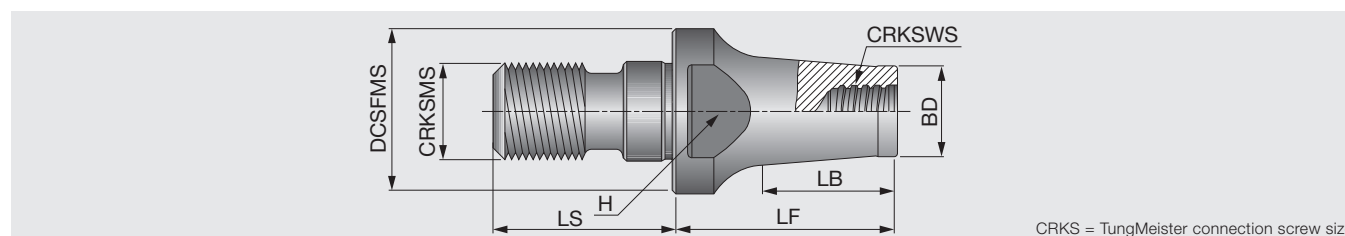
Applicable for 10 MPa coolant

(1) With coolant hole

TUNGFLEX

VAD**-M...

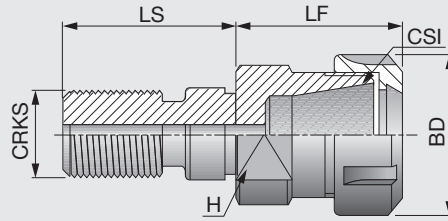
TungFlex - TungMeister connection adapter



Metric	BD	DCSFMS	LF	LS	LB	CRKSWS	CRKSMS	H
VAD130L016S08-S-M8	11.7	13	16	17.5	6	S08	M8	11
VAD130L025S08-S-M8	11.7	13	25	17.5	20	S08	M8	11
VAD180L020S08-S-M10	11.7	18	20	20	12	S08	M10	13
VAD180L025S08-S-M10	11.7	18	25	20	15	S08	M10	11
VAD210L020S08-S-M12	11.7	21	20	20	10	S08	M12	12.75
VAD210L025S08-S-M12	11.7	21	25	20	13	S08	M12	12.75

Wrenches are sold separately.

Do not apply lubricant to the threaded connection.



Metric	CRKS	CSI	Range	LF	LS	BD	H
CDPER11M10M	M10	ER11	0.5-7	27	20	16	15
CDPER16M10M	M10	ER16	0.5-10	38.1	20	22	17
CDPER11M12M	M12	ER11	0.5-7	27	22	16	17
CDPER16M12M	M12	ER16	0.5-10	37.1	22	22	17
CDPER16M16	M16	ER16	0.5-10	36.6	25	28	25
CDPER20M16	M16	ER20	1-13	45.5	25	34	25
CDPER25M16	M16	ER25	1-16	44.5	25	42	28

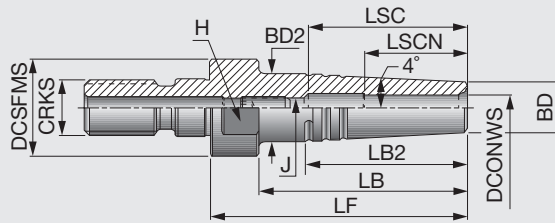
Applicable for 10 MPa coolant

Option: Wrench for ER collet

TUNGFLEX

CDP-M-SRK

Thermal shrinking holder for carbide shank



Metric	CRKS	DCSFMS	DCONWS	BD	BD2	LF	LB	LB2	LSCN	LSC	J	H	Wrench
CDPM10SRK3X40	M10	18	3	10	14	40	31.5	28.4	10	16	M4	15	2
CDPM10SRK4X40	M10	18	4	10	14	40	31.5	28.4	12	19	M4	15	2
CDPM10SRK5X40	M10	18	5	10	14	40	31.5	28.4	15	25	M4	15	2
CDPM12SRK3X45	M12	21	3	10	14	45	36.5	28.8	10	16	M5	18	2.5
CDPM12SRK4X45	M12	21	4	10	14	45	36.5	28.8	12	18	M5	18	2.5
CDPM12SRK5X45	M12	21	5	10	14	45	36.5	28.8	15	25	M5	18	2.5
CDPM12SRK6X45	M12	21	6	11	15	45	36.5	28.4	18	28	M5	18	2.5
CDPM12SRK8X45	M12	21	8	14	18	45	36.5	28.8	25	35	M5	18	2.5
CDPM12SRK10X45	M12	21	10	16	21	45	-	35.6	30	40	M5	18	2.5
CDPM12SRK12X45	M12	21	12	20	25	45	-	36.0	32	42	M5	18	2.5

Applicable for 10 MPa coolant

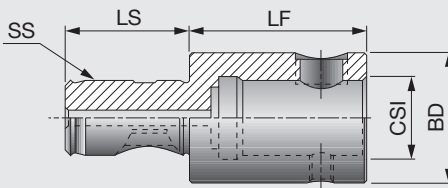
Reference pages

ER collet	Nut	Wrench	Preset screw	Induction heating unit	Heating unit	Preset screw
K108	K128	K130	K131	K125	K125	K133

TUNGFIT

EX-CF

Extension adapter



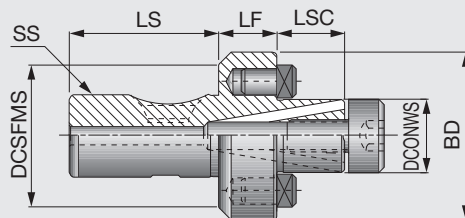
Metric	SS	LS	LF	CSI	BD
EXCF4-S	CF4	42	60	CF4	44
EXCF4-L	CF4	42	100	CF4	44

Applicable for 10 MPa coolant
Tightening torque: 58.8 N·m

TUNGFIT

SEM-CF

Shell mill adapter



Metric	SS	DCONWS	DCSFMS	BD	LF	LSC	LS
SEM22CF4C	CF4	22	44	47	16	19	42

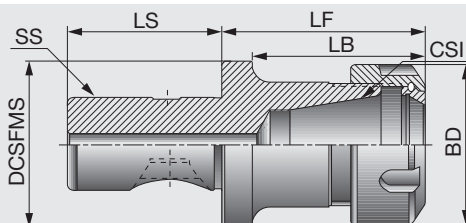
Applicable for 10 MPa coolant
Tightening torque: 58.8 N·m

Option: Wrench for Lock Screw

TUNGFIT

ER-CF

ER collet chuck adapter



Metric	SS	CSI	Range	LF	LB	LS	BD	DCSFMS
ER11CF4-S	CF4	ER11	0.5-7	55	47	42	19	44
ER16CF4-L	CF4	ER16	0.5-10	100	92	42	28	44
ER16CF4-S	CF4	ER16	0.5-10	55	47	42	28	44
ER20CF4-S	CF4	ER20	1-13	55	92	42	34	44
ER32CF4-L	CF4	ER32	2-20	100	92	42	50	44
ER32CF4-S	CF4	ER32	2-20	55	47	42	50	44

Applicable for 10 MPa coolant
Tightening torque: 58.8 N·m

Option: Wrench for Lock Screw

Reference pages



ER collet
K108



Nut
K128



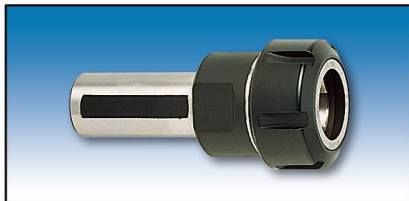
Wrench
K130

Shanks

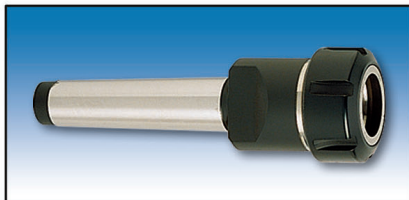
CAT MAS-403, DIN69871



ST Straight Shank



MT Morse Taper

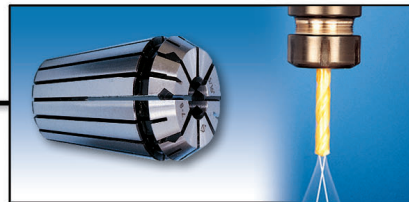


Collet Options

ER-SPR (ER Spring Collet)



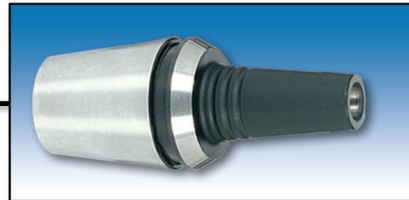
ER-SEAL (ER SEAL Collet for Internal coolant)



ER-SEAL JET2 (ER SEAL Collet for External coolant)



ER-SRK (ER Collet with SHRINK Holder)



ER GTI (ER Collet with Tapping Holder)

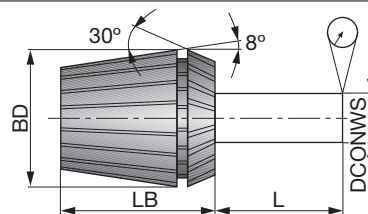


ER-ODP (ER Collet with Indexable Modular System)



TUNGHOLD ER Collet

ER Collet standard DIN6499



Collet size	BD	LB	L	DCONWS	T.I.R. Precision		DIN6499
					Standard type	AA ultra precision type	
ER11	11.5	18	6	1-1.6	0.01	0.005	-
ER16	17	27	10	1.6-3	0.01	0.005	0.015
ER20	21	31	16	3-6	0.01	0.005	0.015
ER25	26	35	25	6-10	0.01	0.005	0.015
ER32	33	40	40	10-18	0.01	0.005	0.020
ER40	41	46	50	18-26	0.01	0.005	0.020
ER50	52	60	60	26-34	0.01	-	0.025

ER - Coolit Sealed Collet



For internal coolant holders Sealed Collet - JET

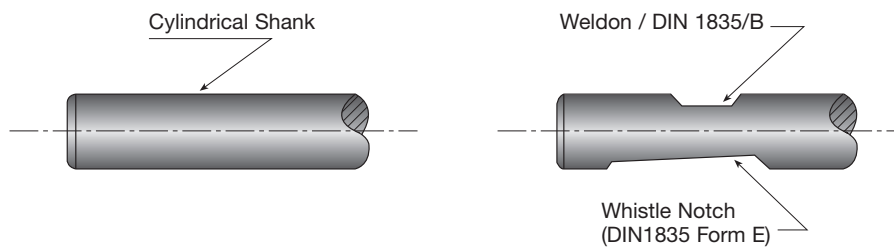
For straight shank cutting tools with internal coolant supply.



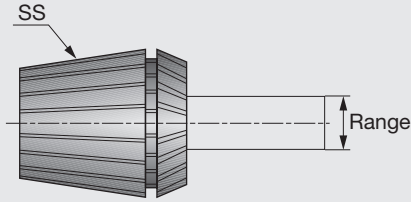
For External coolant holders Sealed Collet - JET2

With angular double nozzles. Coolant flow is direct to the cutting edge - for use with standard straight shank cutting tools (without coolant hole)

Standard Shank which can be used in Sealed Collets



Note: The front end of the sealed collet should be located beyond Weldon or the whistle notch.



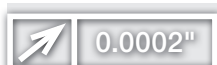
Metric	SS	Range
ER11SPR0.5-1	ER11	0.5-1
ER11SPR1-2	ER11	1-2
ER11SPR2-3	ER11	2-3
ER11SPR3-4	ER11	3-4
ER11SPR4-5	ER11	4-5
ER11SPR5-6	ER11	5-6
ER11SPR6-7	ER11	6-7
ER16SPR0.5-1	ER16	0.5-1
ER16SPR1-2	ER16	1-2
ER16SPR2-3	ER16	2-3
ER16SPR3-4	ER16	3-4
ER16SPR4-5	ER16	4-5
ER16SPR5-6	ER16	5-6
ER16SPR6-7	ER16	6-7
ER16SPR7-8	ER16	7-8
ER16SPR8-9	ER16	8-9
ER16SPR9-10	ER16	9-10
ER20SPR1-2	ER20	1-2
ER20SPR2-3	ER20	2-3
ER20SPR3-4	ER20	3-4
ER20SPR4-5	ER20	4-5
ER20SPR5-6	ER20	5-6
ER20SPR6-7	ER20	6-7
ER20SPR7-8	ER20	7-8
ER20SPR8-9	ER20	8-9
ER20SPR9-10	ER20	9-10
ER20SPR10-11	ER20	10-11
ER20SPR11-12	ER20	11-12
ER20SPR12-13	ER20	12-13
ER25SPR1-2	ER25	1-2
ER25SPR2-3	ER25	2-3
ER25SPR3-4	ER25	3-4
ER25SPR4-5	ER25	4-5
ER25SPR5-6	ER25	5-6
ER25SPR6-7	ER25	6-7
ER25SPR7-8	ER25	7-8
ER25SPR8-9	ER25	8-9
ER25SPR9-10	ER25	9-10
ER25SPR10-11	ER25	10-11
ER25SPR11-12	ER25	11-12
ER25SPR12-13	ER25	12-13
ER25SPR13-14	ER25	13-14
ER25SPR14-15	ER25	14-15
ER25SPR15-16	ER25	15-16
ER32SPR2-3	ER32	2-3
ER32SPR3-4	ER32	3-4
ER32SPR4-5	ER32	4-5
ER32SPR5-6	ER32	5-6
ER32SPR6-7	ER32	6-7
ER32SPR7-8	ER32	7-8

Metric	SS	Range
ER32SPR8-9	ER32	8-9
ER32SPR9-10	ER32	9-10
ER32SPR10-11	ER32	10-11
ER32SPR11-12	ER32	11-12
ER32SPR12-13	ER32	12-13
ER32SPR13-14	ER32	13-14
ER32SPR14-15	ER32	14-15
ER32SPR15-16	ER32	15-16
ER32SPR16-17	ER32	16-17
ER32SPR17-18	ER32	17-18
ER32SPR18-19	ER32	18-19
ER32SPR19-20	ER32	19-20
ER40SPR3-4	ER40	3-4
ER40SPR4-5	ER40	4-5
ER40SPR5-6	ER40	5-6
ER40SPR6-7	ER40	6-7
ER40SPR7-8	ER40	7-8
ER40SPR8-9	ER40	8-9
ER40SPR9-10	ER40	9-10
ER40SPR10-11	ER40	10-11
ER40SPR11-12	ER40	11-12
ER40SPR12-13	ER40	12-13
ER40SPR13-14	ER40	13-14
ER40SPR14-15	ER40	14-15
ER40SPR15-16	ER40	15-16
ER40SPR16-17	ER40	16-17
ER40SPR17-18	ER40	17-18
ER40SPR18-19	ER40	18-19
ER40SPR19-20	ER40	19-20
ER40SPR20-21	ER40	20-21
ER40SPR21-22	ER40	21-22
ER40SPR22-23	ER40	22-23
ER40SPR23-24	ER40	23-24
ER40SPR24-25	ER40	24-25
ER40SPR25-26	ER40	25-26
ER50SPR10-12	ER50	10-12
ER50SPR12-14	ER50	12-14
ER50SPR14-16	ER50	14-16
ER50SPR16-18	ER50	16-18
ER50SPR18-20	ER50	18-20
ER50SPR20-22	ER50	20-22
ER50SPR22-24	ER50	22-24
ER50SPR24-26	ER50	24-26
ER50SPR26-28	ER50	26-28
ER50SPR28-30	ER50	28-30
ER50SPR30-32	ER50	30-32
ER50SPR32-34	ER50	32-34

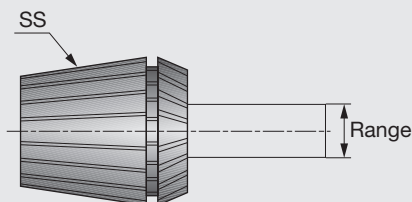
TUNGHOLD

ER-SPR-AA

AA ultra precision ER spring collet (DIN6499)

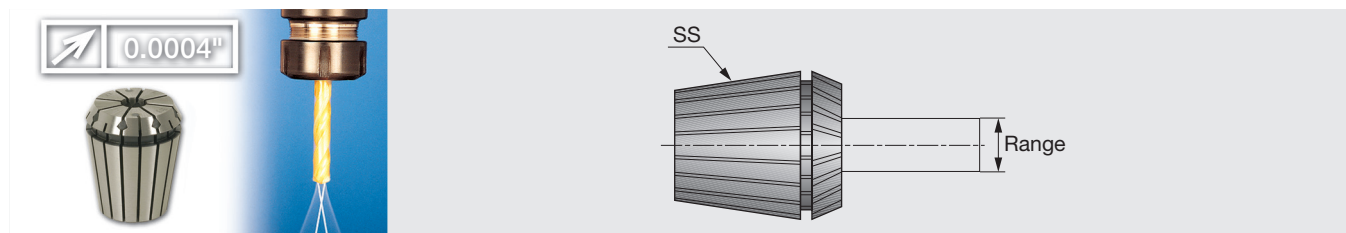


ULTRA PRECISION AA



Metric	SS	Range
ER11SPR0.5-1AA	ER11	0.5-1
ER11SPR1-2AA	ER11	1-2
ER11SPR2-3AA	ER11	2-3
ER11SPR3-4AA	ER11	3-4
ER11SPR4-5AA	ER11	4-5
ER11SPR5-6AA	ER11	5-6
ER11SPR6-7AA	ER11	6-7
ER16SPR0.5-1AA	ER16	0.5-1
ER16SPR1-2AA	ER16	1-2
ER16SPR2-3AA	ER16	2-3
ER16SPR3-4AA	ER16	3-4
ER16SPR4-5AA	ER16	4-5
ER16SPR5-6AA	ER16	5-6
ER16SPR6-7AA	ER16	6-7
ER16SPR7-8AA	ER16	7-8
ER16SPR8-9AA	ER16	8-9
ER16SPR9-10AA	ER16	9-10
ER20SPR2-3AA	ER20	2-3
ER20SPR3-4AA	ER20	3-4
ER20SPR4-5AA	ER20	4-5
ER20SPR5-6AA	ER20	5-6
ER20SPR6-7AA	ER20	6-7
ER20SPR7-8AA	ER20	7-8
ER20SPR8-9AA	ER20	8-9
ER20SPR9-10AA	ER20	9-10
ER20SPR1-2AA	ER20	1-2
ER20SPR10-11AA	ER20	10-11
ER20SPR11-12AA	ER20	11-12
ER20SPR12-13AA	ER20	12-13
ER25SPR1-2AA	ER25	1-2
ER25SPR2-3AA	ER25	2-3
ER25SPR3-4AA	ER25	3-4
ER25SPR4-5AA	ER25	4-5
ER25SPR5-6AA	ER25	5-6
ER25SPR6-7AA	ER25	6-7
ER25SPR7-8AA	ER25	7-8
ER25SPR8-9AA	ER25	8-9
ER25SPR9-10AA	ER25	9-10
ER25SPR10-11AA	ER25	10-11
ER25SPR11-12AA	ER25	11-12
ER25SPR12-13AA	ER25	12-13
ER25SPR13-14AA	ER25	13-14
ER25SPR14-15AA	ER25	14-15
ER25SPR15-16AA	ER25	15-16
ER32SPR2-3AA	ER32	2-3
ER32SPR3-4AA	ER32	3-4
ER32SPR4-5AA	ER32	4-5
ER32SPR5-6AA	ER32	5-6
ER32SPR6-7AA	ER32	6-7
ER32SPR7-8AA	ER32	7-8

Metric	SS	Range
ER32SPR8-9AA	ER32	8-9
ER32SPR9-10AA	ER32	9-10
ER32SPR10-11AA	ER32	10-11
ER32SPR11-12AA	ER32	11-12
ER32SPR12-13AA	ER32	12-13
ER32SPR13-14AA	ER32	13-14
ER32SPR14-15AA	ER32	14-15
ER32SPR15-16AA	ER32	15-16
ER32SPR16-17AA	ER32	16-17
ER32SPR17-18AA	ER32	17-18
ER32SPR18-19AA	ER32	18-19
ER32SPR19-20AA	ER32	19-20
ER40SPR3-4AA	ER40	3-4
ER40SPR4-5AA	ER40	4-5
ER40SPR5-6AA	ER40	5-6
ER40SPR6-7AA	ER40	6-7
ER40SPR7-8AA	ER40	7-8
ER40SPR8-9AA	ER40	8-9
ER40SPR9-10AA	ER40	9-10
ER40SPR10-11AA	ER40	10-11
ER40SPR11-12AA	ER40	11-12
ER40SPR12-13AA	ER40	12-13
ER40SPR13-14AA	ER40	13-14
ER40SPR14-15AA	ER40	14-15
ER40SPR15-16AA	ER40	15-16
ER40SPR16-17AA	ER40	16-17
ER40SPR17-18AA	ER40	17-18
ER40SPR18-19AA	ER40	18-19
ER40SPR19-20AA	ER40	19-20
ER40SPR20-21AA	ER40	20-21
ER40SPR21-22AA	ER40	21-22
ER40SPR22-23AA	ER40	22-23
ER40SPR23-24AA	ER40	23-24
ER40SPR24-25AA	ER40	24-25
ER40SPR25-26AA	ER40	25-26



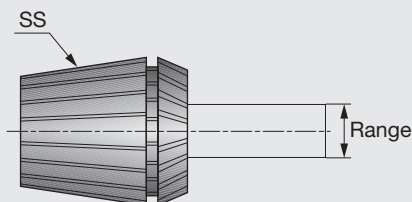
Metric	SS	Range
ER16SEAL3-4	ER16	3-4
ER16SEAL4-5	ER16	4-5
ER16SEAL5-6	ER16	5-6
ER16SEAL6-7	ER16	6-7
ER16SEAL7-8	ER16	7-8
ER16SEAL8-9	ER16	8-9
ER16SEAL9-10	ER16	9-10
ER20SEAL3-4	ER20	3-4
ER20SEAL4-5	ER20	4-5
ER20SEAL5-6	ER20	5-6
ER20SEAL6-7	ER20	6-7
ER20SEAL7-8	ER20	7-8
ER20SEAL8-9	ER20	8-9
ER20SEAL9-10	ER20	9-10
ER20SEAL10-11	ER20	10-11
ER20SEAL11-12	ER20	11-12
ER20SEAL12-13	ER20	12-13
ER25SEAL3-4	ER25	3-4
ER25SEAL4-5	ER25	4-5
ER25SEAL5-6	ER25	5-6
ER25SEAL6-7	ER25	6-7
ER25SEAL7-8	ER25	7-8
ER25SEAL8-9	ER25	8-9
ER25SEAL9-10	ER25	9-10
ER25SEAL10-11	ER25	10-11
ER25SEAL11-12	ER25	11-12
ER25SEAL12-13	ER25	12-13
ER25SEAL13-14	ER25	13-14
ER25SEAL14-15	ER25	14-15
ER25SEAL15-16	ER25	15-16
ER32SEAL3-4	ER32	3-4
ER32SEAL4-5	ER32	4-5
ER32SEAL5-6	ER32	5-6
ER32SEAL6-7	ER32	6-7
ER32SEAL7-8	ER32	7-8
ER32SEAL8-9	ER32	8-9
ER32SEAL9-10	ER32	9-10
ER32SEAL10-11	ER32	10-11
ER32SEAL11-12	ER32	11-12
ER32SEAL12-13	ER32	12-13
ER32SEAL13-14	ER32	13-14
ER32SEAL14-15	ER32	14-15
ER32SEAL15-16	ER32	15-16
ER32SEAL16-17	ER32	16-17
ER32SEAL17-18	ER32	17-18
ER32SEAL18-19	ER32	18-19
ER32SEAL19-20	ER32	19-20
ER40SEAL3-4	ER40	3-4
ER40SEAL4-5	ER40	4-5
ER40SEAL5-6	ER40	5-6

Metric	SS	Range
ER40SEAL6-7	ER40	6-7
ER40SEAL7-8	ER40	7-8
ER40SEAL8-9	ER40	8-9
ER40SEAL9-10	ER40	9-10
ER40SEAL10-11	ER40	10-11
ER40SEAL11-12	ER40	11-12
ER40SEAL12-13	ER40	12-13
ER40SEAL13-14	ER40	13-14
ER40SEAL14-15	ER40	14-15
ER40SEAL15-16	ER40	15-16
ER40SEAL16-17	ER40	16-17
ER40SEAL17-18	ER40	17-18
ER40SEAL18-19	ER40	18-19
ER40SEAL19-20	ER40	19-20
ER40SEAL20-21	ER40	20-21
ER40SEAL21-22	ER40	21-22
ER40SEAL22-23	ER40	22-23
ER40SEAL23-24	ER40	23-24
ER40SEAL24-25	ER40	24-25
ER40SEAL25-26	ER40	25-26

TUNGHOLD

ER-SEAL-JET2

ER COOLIT, sealed spring collet, external coolant supply (DIN6499)



Metric	SS	Range
ER16SEAL3-4JET2	ER16	3-4
ER16SEAL4-5JET2	ER16	4-5
ER16SEAL5-6JET2	ER16	5-6
ER16SEAL6-7JET2	ER16	6-7
ER16SEAL7-8JET2	ER16	7-8
ER16SEAL8-9JET2	ER16	8-9
ER16SEAL9-10JET2	ER16	9-10
ER20SEAL3-4JET2	ER20	3-4
ER20SEAL4-5JET2	ER20	4-5
ER20SEAL5-6JET2	ER20	5-6
ER20SEAL6-7JET2	ER20	6-7
ER20SEAL7-8JET2	ER20	7-8
ER20SEAL8-9JET2	ER20	8-9
ER20SEAL9-10JET2	ER20	9-10
ER20SEAL10-11JET2	ER20	10-11
ER20SEAL11-12JET2	ER20	11-12
ER20SEAL12-13JET2	ER20	12-13
ER25SEAL3-4JET2	ER25	3-4
ER25SEAL4-5JET2	ER25	4-5
ER25SEAL5-6JET2	ER25	5-6
ER25SEAL6-7JET2	ER25	6-7
ER25SEAL7-8JET2	ER25	7-8
ER25SEAL8-9JET2	ER25	8-9
ER25SEAL9-10JET2	ER25	9-10
ER25SEAL10-11JET2	ER25	10-11
ER25SEAL11-12JET2	ER25	11-12
ER25SEAL12-13JET2	ER25	12-13
ER25SEAL13-14JET2	ER25	13-14
ER25SEAL14-15JET2	ER25	14-15
ER25SEAL15-16JET2	ER25	15-16
ER32SEAL3-4JET2	ER32	3-4
ER32SEAL4-5JET2	ER32	4-5
ER32SEAL5-6JET2	ER32	5-6
ER32SEAL6-7JET2	ER32	6-7
ER32SEAL7-8JET2	ER32	7-8
ER32SEAL8-9JET2	ER32	8-9
ER32SEAL9-10JET2	ER32	9-10
ER32SEAL10-11JET2	ER32	10-11
ER32SEAL11-12JET2	ER32	11-12
ER32SEAL12-13JET2	ER32	12-13
ER32SEAL13-14JET2	ER32	13-14
ER32SEAL14-15JET2	ER32	14-15
ER32SEAL15-16JET2	ER32	15-16
ER32SEAL16-17JET2	ER32	16-17
ER32SEAL17-18JET2	ER32	17-18
ER32SEAL18-19JET2	ER32	18-19
ER32SEAL19-20JET2	ER32	19-20
ER40SEAL3-4JET2	ER40	3-4
ER40SEAL4-5JET2	ER40	4-5
ER40SEAL5-6JET2	ER40	5-6

Metric	SS	Range
ER40SEAL6-7JET2	ER40	6-7
ER40SEAL7-8JET2	ER40	7-8
ER40SEAL8-9JET2	ER40	8-9
ER40SEAL9-10JET2	ER40	9-10
ER40SEAL10-11JET2	ER40	10-11
ER40SEAL11-12JET2	ER40	11-12
ER40SEAL12-13JET2	ER40	12-13
ER40SEAL13-14JET2	ER40	13-14
ER40SEAL14-15JET2	ER40	14-15
ER40SEAL15-16JET2	ER40	15-16
ER40SEAL16-17JET2	ER40	16-17
ER40SEAL17-18JET2	ER40	17-18
ER40SEAL18-19JET2	ER40	18-19
ER40SEAL19-20JET2	ER40	19-20
ER40SEAL20-21JET2	ER40	20-21
ER40SEAL21-22JET2	ER40	21-22
ER40SEAL22-23JET2	ER40	22-23
ER40SEAL23-24JET2	ER40	23-24
ER40SEAL24-25JET2	ER40	24-25
ER40SEAL25-26JET2	ER40	25-26

TUNGHOLD

SET ER-SPR

Set of ER spring collets (DIN6499)



Metric	Collet size	Qty	Range
SETER11SPR7	ER11	7	0.5-7
SETER16SPR10	ER16	10	0.5-10
SETER20SPR12	ER20	12	1-13
SETER25SPR15	ER25	15	1-16
SETER32SPR18	ER32	18	2-20
SETER40SPR23	ER40	23	3-26
SETER50SPR12	ER50	12	10-34

TUNGHOLD

SET ER-SPR-AA

Set of AA ultra precision ER spring collets (DIN6499)



Metric	Collet size	Qty	Range
SETER11SPR7AA	ER11	7	0.5-7
SETER16SPR10AA	ER16	10	0.5-10
SETER20SPR12AA	ER20	12	1-13
SETER25SPR15AA	ER25	15	1-16
SETER32SPR18AA	ER32	18	2-20
SETER40SPR23AA	ER40	23	3-26

TUNGHOLD

SET ER-SEAL

Set of ER spring collets, for internal coolant supply (DIN6499)

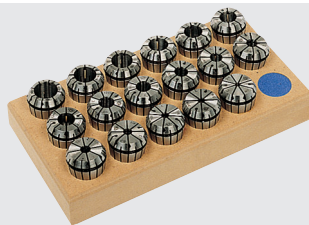


Metric	Collet size	Qty	Range
SETER16SEAL7	ER16	7	3-10
SETER20SEAL10	ER20	10	3-13
SETER25SEAL13	ER25	13	3-16
SETER32SEAL17	ER32	17	3-20
SETER40SEAL23	ER40	23	3-26

TUNGHOLD

SET ER-SEAL-JET2

Set of ER spring collets, for external coolant supply (DIN6499)



Metric	Collet size	Qty	Range
SETER16SEAL7JET2	ER16	7	3-13
SETER25SEAL13JET2	ER25	13	3-20
SETER32SEAL17JET2	ER32	17	3-26
SETER40SEAL23JET2	ER40	23	3-26

TUNGHOLD

SET ER SPR-EM

Set of ER spring collets, for endmills (DIN6499)



Metric	Collet size	Qty	Range
SETER16SPR8EM	ER16	8	3,4,5,6,7,8,9,10
SETER20SPR5EM	ER20	5	4,6,8,10,12
SETER25SPR6EM	ER25	6	4,6,8,10,12,16
SETER32SPR6EM	ER32	6	6,8,10,12,16,20
SETER40SPR7EM	ER40	7	6,8,10,12,16,20,25

Contains popular endmill sizes only.

TUNGHOLD

SET-ER SEAL-EM

Set of ER spring collets, for internal coolant supply, for endmills (DIN6499)

Metric	Collet size	Qty	Range
SETER16SEAL5EM	ER16	5	4,5,6,8,10
SETER20SEAL5EM	ER20	5	4,6,8,10,12
SETER25SEAL6EM	ER25	6	4,6,8,10,12,16
SETER32SEAL6EM	ER32	6	6,8,10,12,16,20
SETER40SEAL7EM	ER40	7	6,8,10,12,16,20,25

Contains popular endmill sizes only.

Set of ER spring collets, for external coolant supply, for endmills (DIN6499)

Metric	Collet size	Qty	Range
SETER25SEAL6EMJET2	ER25	6	4,6,8,10,12,16
SETER32SEAL6EMJET2	ER32	6	6,8,10,12,16,20
SETER40SEAL7EMJET2	ER40	7	6,8,10,12,16,20,25

Contains popular endmill sizes only.

TUNG HOLD

KIT R-8-ER

Kit for ER collet chuck and spring collets (R-8 Bridgeport)



Metric	Collet size	Qty	Range
KITR-810ER16	ER16	10	0.5-10
KITR-818ER32	ER32	18	2-20

Each kit has one collet chuck, a full set of ER collets, and a wrench.

TUNG HOLD

KIT DIN2080-ER

Kit for ER collet chuck and spring collets (DIN2080)



Metric	Collet size	Qty	Range
KITDIN20803018ER32	ER32	18	2-20
KITDIN20804018ER32	ER32	18	2-20
KITDIN20804023ER40	ER40	23	3-26
KITDIN20805023ER40	ER40	23	3-26

Each kit has one collet chuck, a full set of ER collets, and a wrench.

TUNGHOLD

KIT MT-ER

Kit for ER collet chuck and spring collets (Morse taper)



Metric	Collet size	Qty	Range
KITMT318ER32	ER32	18	2-20
KITMT423ER40	ER40	23	3-26

Each kit has one collet chuck, a full set of ER collets, and a wrench.

TUNGHOLD

KIT ST-ER-Mini

Kit for ER Mini collet chuck and spring collets (cylindrical shank)



Metric	Collet size	Qty	Range
KITST12X807ER11M	ER11	7	0.5-7
KITST12X8010ER16M	ER16	10	0.5-10
KITST16X507ER11MF	ER11	7	0.5-7
KITST16X1007ER11M	ER11	7	0.5-7
KITST16X1507ER11M	ER11	7	0.5-7
KITST20X10010ER16M	ER16	10	0.5-10
KITST20X15010ER16M	ER16	10	0.5-10
KITST20X10012ER20M	ER20	12	1-12
KITST20X15012ER20M	ER20	12	1-12

Each kit contains one collet chuck, a full set of ER collets and a wrench. F indicates a flat on the shank.

TUNGHOLD

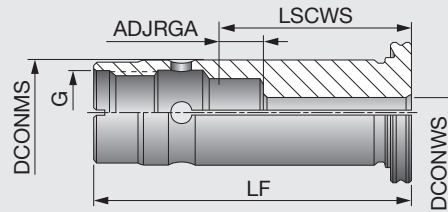
KIT ST-ER

Kit for ER collet chuck and spring collets (cylindrical shank)



Metric	Collet size	Qty	Range
KITST16X507ER11F	ER11	7	0.5-7
KITST20X1007ER11	ER11	7	0.5-7
KITST20X1507ER11	ER11	7	0.5-7
KITST20X5010ER16F	ER16	10	0.5-10
KITST20X10010ER16	ER16	10	0.5-10
KITST20X15010ER16	ER16	10	0.5-10
KITST20X5012ER20F	ER20	12	1-12
KITST25X10012ER20	ER20	12	1-12

Each kit contains one collet chuck, a full set of ER collets and a wrench. F indicates a flat on the shank.



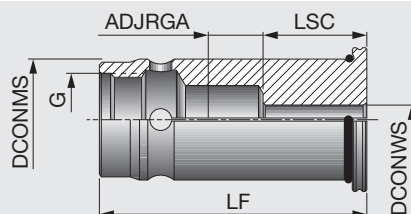
Inch	DCONWS	DCONMS	LF	LSCWS	ADJRGA	G
SC3/4SPR1/4	0.250	0.750	2.362	1.378	0.276	M16
SC3/4SPR5/16	0.313	0.750	2.362	1.378	0.276	M16
SC3/4SPR3/8	0.375	0.750	2.362	1.890	0.512	M16
SC3/4SPR7/16	0.438	0.750	2.362	1.417	0.315	M16
SC3/4SPR1/2	0.500	0.750	2.362	1.378	0.276	M16
SC3/4SPR5/8	0.625	0.750	2.362	1.897	0.354	M16
SC1-1/4SPR1/4	0.250	1.250	2.835	1.791	0.689	M2.4X1.5
SC1-1/4SPR5/16	0.313	1.250	2.835	1.791	0.689	M2.4X1.5
SC1-1/4SPR3/8	0.375	1.250	2.835	1.791	0.413	M2.4X1.5
SC1-1/4SPR1/2	0.500	1.250	2.835	1.792	0.217	M2.4X1.5
SC1-1/4SPR5/8	0.625	1.250	2.835	2.441	0.709	M2.4X1.5
SC1-1/4SPR3/4	0.750	1.250	2.835	2.441	0.630	M2.4X1.5
SC1-1/4SPR7/8	0.875	1.250	2.835	2.422	0.453	M2.4X1.5
SC1-1/4SPR1	1.000	1.250	2.835	2.417	0.409	M2.4X1.5

Metric	DCONWS	DCONMS	LF	LSCWS	ADJRGA	G
SC20SPR6	6	20	60	35	7	M16
SC20SPR8	8	20	60	35	7	M16
SC20SPR10	10	20	60	48	13	M16
SC20SPR12	12	20	60	48	8	M16
SC20SPR14	14	20	60	48	8	M16
SC20SPR15	15	20	60	48	8	M16
SC20SPR16	16	20	60	48	9	M16
SC32SPR6	6	32	72	45	17	M24X1.5
SC32SPR8	8	32	72	45	17	M24X1.5
SC32SPR10	10	32	72	48	13	M24X1.5
SC32SPR12	12	32	72	45	5	M24X1.5
SC32SPR14	14	32	72	45	5	M24X1.5
SC32SPR15	15	32	72	59.5	19.5	M24X1.5
SC32SPR16	16	32	72	61.5	17.5	M24X1.5
SC32SPR18	18	32	72	61.5	17.5	M24X1.5
SC32SPR19	19	32	72	61.5	17.5	M24X1.5
SC32SPR20	20	32	72	61.5	15.5	M24X1.5
SC32SPR24	24	32	72	55.5	10.5	M24X1.5
SC32SPR25	25	32	72	61.5	10.5	M24X1.5

TUNGMAX

SC-SEAL

Sealed collet



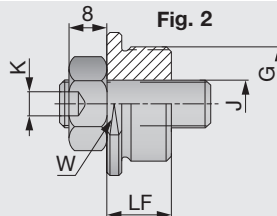
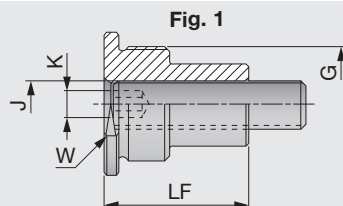
Inch	DCONWS	DCONMS	LF	LSC	ADJRGA	G
SC3/4SEAL1/4	0.250	0.750	2.362	1.102	0.276	M16
SC3/4SEAL5/16	0.313	0.750	2.362	1.102	0.276	M16
SC3/4SEAL3/8	0.375	0.750	2.362	1.378	0.512	M16
SC3/4SEAL7/16	0.438	0.750	2.362	1.575	0.315	M16
SC3/4SEAL1/2	0.500	0.750	2.362	1.575	0.315	M16
SC3/4SEAL5/8	0.625	0.750	2.362	1.543	0.354	M16
SC1-1/4SEAL1/4	0.250	1.250	2.835	1.102	0.689	M2.4X1.5
SC1-1/4SEAL5/16	0.313	1.250	2.835	1.102	0.689	M2.4X1.5
SC1-1/4SEAL3/8	0.375	1.250	2.835	1.378	0.413	M2.4X1.5
SC1-1/4SEAL1/2	0.500	1.250	2.835	1.575	0.217	M2.4X1.5
SC1-1/4SEAL5/8	0.625	1.250	2.835	1.732	0.709	M2.4X1.5
SC1-1/4SEAL3/4	0.750	1.250	2.835	1.811	0.63	M2.4X1.5
SC1-1/4SEAL7/8	0.875	1.250	2.835	1.969	0.453	M2.4X1.5
SC1-1/4SEAL1	1.000	1.250	2.835	2.008	0.453	M2.4X1.5

Metric	DCONWS	DCONMS	LF	LSC	ADJRGA	G
SC20SEAL6	6	20	60	28	7	M16
SC20SEAL8	8	20	60	28	7	M16
SC20SEAL10	10	20	60	35	13	M16
SC20SEAL12	12	20	60	40	8	M16
SC20SEAL14	14	20	60	40	8	M16
SC20SEAL15	15	20	60	40	8	M16
SC20SEAL16	16	20	60	39	9	M16
SC32SEAL6	6	32	72	28	17	M24X1.5
SC32SEAL8	8	32	72	28	17	M24X1.5
SC32SEAL10	10	32	72	35	13	M24X1.5
SC32SEAL12	12	32	72	40	5	M24X1.5
SC32SEAL14	14	32	72	40	5	M24X1.5
SC32SEAL15	15	32	72	40	5	M24X1.5
SC32SEAL16	16	32	72	44	17.5	M24X1.5
SC32SEAL18	18	32	72	44	17.5	M24X1.5
SC32SEAL19	19	32	72	44	17.5	M24X1.5
SC32SEAL20	20	32	72	46	15.5	M24X1.5
SC32SEAL24	24	32	72	46	15.5	M24X1.5
SC32SEAL25	25	32	72	51	10.5	M24X1.5

TUNGMAX

PRESET SC-CAP

Preset screw housing for SC-SPR collets



Metric	LF	W	J	G	Fig.	Range	Key size K	Collet size
PRESETSCCAP8X1.25L	28	16	M8X25	M16	1	6-8	4	SC20
PRESETSCCAP8X1.25	15	16	M8X25	M16	2	10-16	4	SC20
PRESETSCCAP10X1.5L	30	27	M10X30	M24X1.5	1	6-14	5	SC32
PRESETSCCAP10X1.5	13.5	27	M10X30	M24X1.5	2	16-25	5	SC32



Inch	CAT size	DCONWS	Qty	Range
KITCAT40HYDRO20X73	40	20	5	8,10,12,14,16
KITCAT40HYDRO32X110	40	32	7	6,8,10,12,16,20,25

Each kit has one HYDROFIT chuck, a set of SC...HYDRO sealed reducers and a clamping wrench.

(Unit: mm)

TUNGHYDRO

KIT DIN69871-HYDRO

Kit for hydraulic chucks (DIN69871)



Metric	SK size	DCONWS	Qty	Range
KITDIN6987140HYDRO20X65	40	20	5	8,10,12,14,16
KITDIN6987140HYDRO32X117	40	32	7	6,8,10,12,16,20,25

Each kit has one HYDROFIT chuck, a set of SC...HYDRO sealed reducers and a clamping wrench.

TUNGHYDRO

KIT HSK A-HYDRO

Kit for hydraulic chucks (HSK)



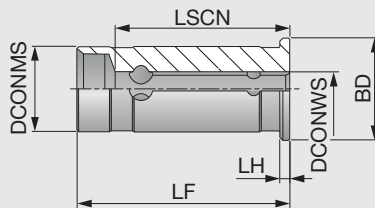
Metric	HSK size	DCONWS	Qty	Range
KITHSKA63HYDRO20X100	63	20	5	8,10,12,14,16
KITHSKA63HYDRO32X125	63	32	7	6,8,10,12,16,20,25

Each kit has one HYDROFIT chuck, a set of SC...HYDRO sealed reducers and a clamping wrench.

TUNGHYDRO

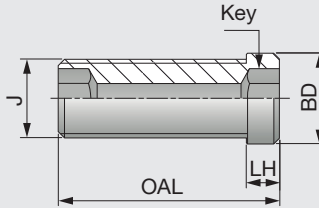
SC-HYDRO

Sealed reduction sleeve for hydraulic chucks



Inch	DCONMS	DCONWS	LSCN	LF	BD	LH
SC3/4SHYDRO1/8	0.750	0.125	1.180	1.965	0.945	0.080
SC3/4SHYDRO1/4	0.750	0.250	1.180	1.965	0.945	0.080
SC3/4SHYDRO5/16	0.750	0.313	1.180	1.965	0.945	0.080
SC3/4SHYDRO3/8	0.750	0.375	1.180	1.965	0.945	0.080
SC3/4SHYDRO1/2	0.750	0.500	1.450	1.965	0.945	0.080
SC3/4SHYDRO5/8	0.750	0.625	1.450	1.965	0.945	0.080
SC1-1/4SHYDRO1/4	1.250	0.250	0.980	2.598	1.400	0.160
SC1-1/4SHYDRO5/16	1.250	0.313	0.980	2.598	1.400	0.160
SC1-1/4SHYDRO3/8	1.250	0.375	0.980	2.598	1.400	0.160
SC1-1/4SHYDRO1/2	1.250	0.500	1.380	2.598	1.400	0.160
SC1-1/4SHYDRO5/8	1.250	0.625	1.380	2.598	1.400	0.160
SC1-1/4SHYDRO3/4	1.250	0.750	1.970	2.598	1.400	0.160
SC1-1/4SHYDRO1"	1.250	1.000	2.600	2.598	1.400	0.160

Metric	DCONMS	DCONWS	LSCN	LF	BD	LH
SC12SHYDRO3	12	3	19	46.5	16	2
SC12SHYDRO4	12	4	24	46.5	16	2
SC12SHYDRO5	12	5	28	46.5	16	2
SC12SHYDRO6	12	6	33	46.5	16	2
SC12SHYDRO8	12	8	39	46.5	16	2
SC20SHYDRO3	20	3	20	53	24	2
SC20SHYDRO4	20	4	25	53	24	2
SC20SHYDRO5	20	5	27	53	24	2
SC20SHYDRO6	20	6	34	53	24	2
SC20SHYDRO8	20	8	39	53	24	2
SC20SHYDRO10	20	10	40	53	24	2
SC20SHYDRO12	20	12	41	53	24	2
SC20SHYDRO14	20	14	44	53	24	2
SC20SHYDRO16	20	16	44	53	24	2
SC25SHYDRO6	25	6	37	60	30	4
SC25SHYDRO8	25	8	37	60	30	4
SC25SHYDRO10	25	10	40	60	30	4
SC25SHYDRO12	25	12	44	60	30	4
SC25SHYDRO14	25	14	46	60	30	4
SC25SHYDRO16	25	16	48	60	30	4
SC25SHYDRO18	25	18	50	60	30	4
SC25SHYDRO20	25	20	50	60	30	4
SC32SHYDRO6	32	6	33	66	40	4
SC32SHYDRO8	32	8	38	66	40	4
SC32SHYDRO10	32	10	39	66	40	4
SC32SHYDRO12	32	12	42	66	40	4
SC32SHYDRO14	32	14	44	66	40	4
SC32SHYDRO16	32	16	44	66	40	4
SC32SHYDRO18	32	18	44	66	40	4
SC32SHYDRO20	32	20	49	66	40	4
SC32SHYDRO25	32	25	66	66	40	4

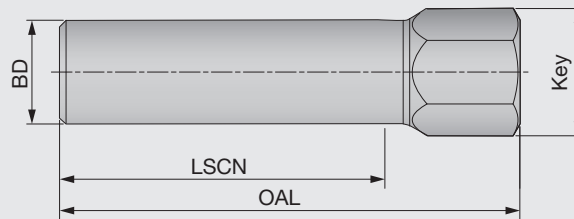


Metric	BD	J	OAL	LH	Wrench
PRESETSCREWHYDROM5	5	M5	14	1	2.5
PRESETSCREWHYDROM6	6	M6	14	1.5	3
PRESETSCREWHYDROM8	8	M8X1	14	2	4
PRESETSCREWHYDROM10	10	M10X1	17	2	5
PRESETSCREWHYDROM16	14	M16X1	20	2	8

TUNGHYDRO

TEST BAR HYDRO

Torque test bar for hydraulic chucks



Metric	BD	OAL	Wrench	LSCN ⁽¹⁾	Torque
TESTBARHYDRO6	6	53	10	27	15
TESTBARHYDRO8	8	53	10	27	25
TESTBARHYDRO10	10	56	10	32	50
TESTBARHYDRO12	12	62	10	37	110
TESTBARHYDRO14	14	62	10	37	120
TESTBARHYDRO16	16	71	17	37	180
TESTBARHYDRO18	18	71	17	42	230
TESTBARHYDRO20	20	71	17	42	250
TESTBARHYDRO25	25	79	17	48	310
TESTBARHYDRO32	32	87	17	52	450

(1) Minimum holding length
Torque: Recommended clamping torque: N·m

TUNGMAX

SET SC-SPR

Set of SC collets



Metric	Collet size	Qty	Range
SETSC20SPR6	20	6	6,8,10,12,14,16
SETSC32SPR9	32	9	6,8,10,12,14,16,18,20,25

TUNGMAX

SET SC-SEAL

Set of SC collets with coolant hole

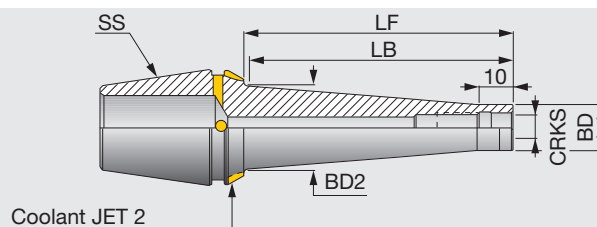


Metric	Collet size	Qty	Range
SETSC20SEAL6	20	6	6,8,10,12,14,16
SETSC32SEAL9	32	9	6,8,10,12,14,16,18,20,25

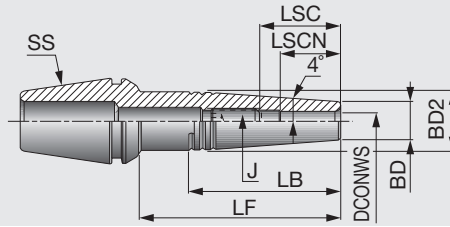
TUNGFLEX

ER-ODP

Threaded connector for ER collet chucks



Metric	CRKS	SS	BD	BD2	LF	LB
ER32ODPM6X25	M6	ER32	9.8	14	25	22
ER32ODPM6X50	M6	ER32	9.8	20	50	48
ER32ODPM6X75	M6	ER32	9.8	23	75	74
ER32ODPM8X25	M8	ER32	13.1	15	25	22
ER32ODPM8X50	M8	ER32	13.1	23	50	49
ER32ODPM8X75	M8	ER32	13.1	23	75	74
ER32ODPM10X25	M10	ER32	18	20	25	23
ER32ODPM10X50	M10	ER32	18	24	50	49
ER32ODPM12X25	M12	ER32	21	24	25	24
ER32ODPM12X50	M12	ER32	21	24	50	49

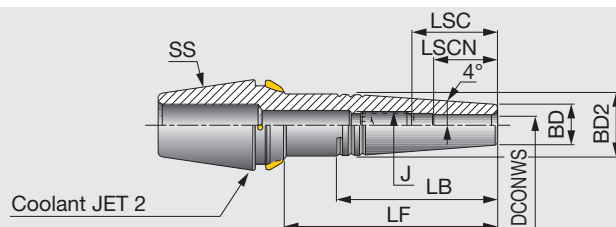


Inch	SS	DCONWS	BD	BD2	LF	LB	LSCN	LSC	J	Wrench
ER20SRK1/8X1.500	ER20	0.125	0.394	0.53	1.5	0.97	0.39	0.63	M6	0.118
ER20SRK1/8X2.500	ER20	0.125	0.394	0.53	2.5	0.97	0.39	0.63	M6	0.118
ER25SRK1/8X1.500	ER25	0.125	0.394	0.55	1.5	1.11	0.39	0.63	M6	0.118
ER25SRK1/8X2.500	ER25	0.125	0.394	0.63	2.5	1.71	0.39	0.63	M6	0.118
ER32SRK1/8X1.500	ER32	0.125	0.394	0.55	1.5	1.1	0.39	0.63	M6	0.118
ER32SRK1/8X2.500	ER32	0.125	0.394	0.68	2.5	2.0	0.39	0.63	M6	0.118
ER32SRK1/8X3.500	ER32	0.125	0.394	0.82	3.5	3.0	0.39	0.63	M6	0.118
ER20SRK3/16X2.500	ER20	0.187	0.394	0.53	2.5	0.97	0.59	0.83	M6	0.118
ER20SRK3/16X1.500	ER20	0.187	0.394	0.53	1.5	0.97	0.59	0.83	M6	0.118
ER25SRK3/16X1.500	ER25	0.187	0.394	0.55	1.5	1.11	0.59	0.83	M6	0.118
ER25SRK3/16X2.500	ER25	0.187	0.394	0.63	2.5	1.71	0.59	0.83	M6	0.118
ER32SRK3/16X1.500	ER32	0.187	0.394	0.55	1.5	1.11	0.59	0.83	M6	0.118
ER32SRK3/16X2.500	ER32	0.187	0.394	0.66	2.5	1.9	0.59	0.83	M6	0.118
ER32SRK3/16X3.500	ER32	0.187	0.394	0.80	3.5	2.9	0.59	0.83	M6	0.118
ER20SRK1/4X1.500	ER20	0.25	0.433	0.59	1.5	1.14	0.71	0.95	M8	0.157
ER20SRK1/4X2.500	ER20	0.25	0.433	0.62	2.5	1.31	0.71	0.95	M8	0.157
ER25SRK1/4X1.500	ER25	0.25	0.433	0.59	1.5	1.14	0.71	0.95	M8	0.157
ER25SRK1/4X2.500	ER25	0.25	0.433	0.70	2.5	1.9	0.71	0.95	M8	0.157
ER32SRK1/4X1.500	ER32	0.25	0.433	0.59	1.5	1.14	0.71	0.95	M8	0.157
ER32SRK1/4X2.500	ER32	0.25	0.433	0.7	2.5	1.91	0.71	0.97	M8	0.157
ER32SRK1/4X3.500	ER32	0.25	0.433	0.84	3.5	2.9	0.71	1.02	M8	0.157
ER32SRK5/16X1.500	ER32	0.313	0.551	0.76	1.5	1.44	0.98	1.22	M10	0.197
ER32SRK5/16X2.500	ER32	0.313	0.551	0.82	2.5	1.91	0.98	1.22	M10	0.197
ER32SRK5/16X3.500	ER32	0.313	0.551	0.93	3.5	2.71	0.98	1.22	M10	0.197
ER25SRK5/16X1.500	ER25	0.313	0.551	0.71	1.5	1.08	0.98	1.22	M10	0.197
ER25SRK5/16X2.500	ER25	0.313	0.551	0.79	2.5	1.71	0.98	1.22	M10	0.197
ER32SRK3/8X1.500	ER32	0.375	0.629	0.84	1.5	1.46	1.18	1.38	M12	0.236
ER32SRK3/8X2.500	ER32	0.375	0.629	0.90	2.5	1.9	1.18	1.42	M12	0.236
ER32SRK3/8X3.500	ER32	0.375	0.629	0.93	3.5	2.12	1.18	1.42	M12	0.236
ER32SRK7/16X1.500	ER32	0.437	0.787	0.94	1.5	1.11	1.22	1.42	M14	0.236
ER32SRK7/16X2.500	ER32	0.437	0.787	0.94	2.5	1.11	1.22	1.46	M14	0.236
ER32SRK7/16X3.500	ER32	0.437	0.787	0.94	3.5	1.11	1.22	1.46	M14	0.236
ER32SRK1/2X1.500	ER32	0.500	0.787	0.94	1.5	1.1	1.26	1.46	M14	0.236
ER32SRK1/2X2.500	ER32	0.500	0.787	0.94	2.5	1.1	1.26	1.5	M14	0.236
ER32SRK1/2X3.500	ER32	0.500	0.787	0.94	3.5	1.41	1.26	1.5	M14	0.236

TUNGSHRINK

ER-SRK JET2

TungShrink, ER collet type, for external coolant supply



Metric	SS	DCONWS	BD	BD2	LF	LB	LSCN	LSC	J	Wrench
ER20SRK3X35JET2	ER20	3	10	13.5	35	24.5	10	16	M6	3
ER20SRK5X35JET2	ER20	5	10	13.5	35	24.5	15	21	M6	3
ER20SRK6X35JET2	ER20	6	11	14.7	35	25.5	18	24	M8	4
ER25SRK3X35JET2	ER25	3	10	13.5	35	24.5	10	16	M6	3
ER25SRK3X60JET2	ER25	3	10	16.3	60	44.5	10	16	M6	3
ER25SRK4X35JET2	ER25	4	10	13.5	35	24.5	12	18	M6	3
ER25SRK4X60JET2	ER25	4	10	16.3	60	44.5	12	18	M6	3
ER25SRK5X35JET2	ER25	5	10	13.5	35	24.5	15	21	M6	3
ER25SRK5X60JET2	ER25	5	10	16.3	60	44.5	15	21	M6	3
ER25SRK6X35JET2	ER25	6	11	14.7	35	26	18	24	M8	4
ER25SRK6X60JET2	ER25	6	11	17.3	60	44.5	18	24	M8	4
ER25SRK8X35JET2	ER25	8	14	17.8	35	26.5	25	30	M10	5
ER25SRK8X60JET2	ER25	8	14	19.7	60	39.5	25	31	M10	5
ER32SRK3X35JET2	ER32	3	10	13.2	35	22.5	10	16	M6	3
ER32SRK3X60JET2	ER32	3	10	16.3	60	44.5	10	16	M6	3
ER32SRK3X85JET2	ER32	3	10	19.8	85	70	10	16	M6	3
ER32SRK4X35JET2	ER32	4	10	13.4	35	23.5	12	18	M6	3
ER32SRK4X60JET2	ER32	4	10	16.3	60	44.5	12	18	M6	3
ER32SRK4X85JET2	ER32	4	10	19.8	85	70	12	18	M6	3
ER32SRK5X35JET2	ER32	5	10	13.5	35	24.5	15	21	M6	3
ER32SRK5X60JET2	ER32	5	10	16.3	60	44.5	15	21	M6	3
ER32SRK5X85JET2	ER32	5	10	19.8	85	70	15	21	M6	3
ER32SRK6X35JET2	ER32	6	11	14.7	35	25.5	18	24	M8	4
ER32SRK6X60JET2	ER32	6	11	17.3	60	45	18	24	M8	4
ER32SRK6X85JET2	ER32	6	11	20.8	85	69.5	18	26	M8	4
ER32SRK8X35JET2	ER32	8	14	18.8	35	33	25	31	M10	5
ER32SRK8X60JET2	ER32	8	14	20.4	60	45	25	31	M10	5
ER32SRK8X85JET2	ER32	8	14	23.2	85	65	25	31	M10	5
ER32SRK10X35JET2	ER32	10	16	20.8	35	34	30	35	M12	6
ER32SRK10X60JET2	ER32	10	16	22.4	60	44.5	30	36	M12	6
ER32SRK10X85JET2	ER32	10	16	23	85	49.5	30	36	M12	6
ER32SRK12X35JET2	ER32	12	20	24	35	28	32	-	-	-
ER32SRK12X60JET2	ER32	12	20	24	60	28	32	38	M14	6
ER32SRK12X85JET2	ER32	12	20	24	85	28	32	38	M14	6

TUNGSHRINK

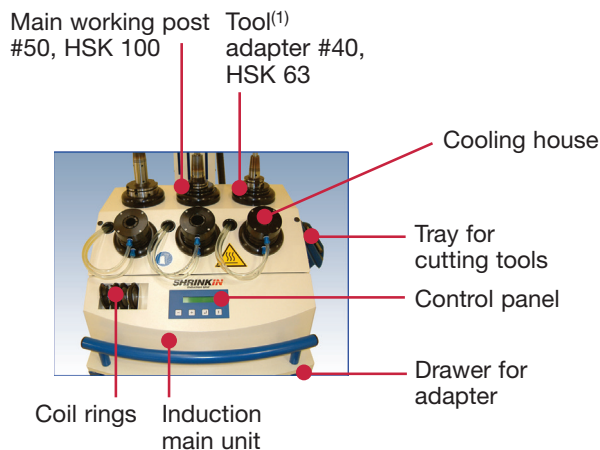
IND SHRINKIN UNIT

SHRINKIN Induction heating unit for shrink tool chucking



Inch

IND SHRINK IN UNIT USA



Machine

3-380-500V 50/60HZ

TUNGSHRINK

IND SHRINK START UNIT

SHRINKIN Induction heating unit for shrink tool chucking



Inch

IND SHRINK START UNIT USA

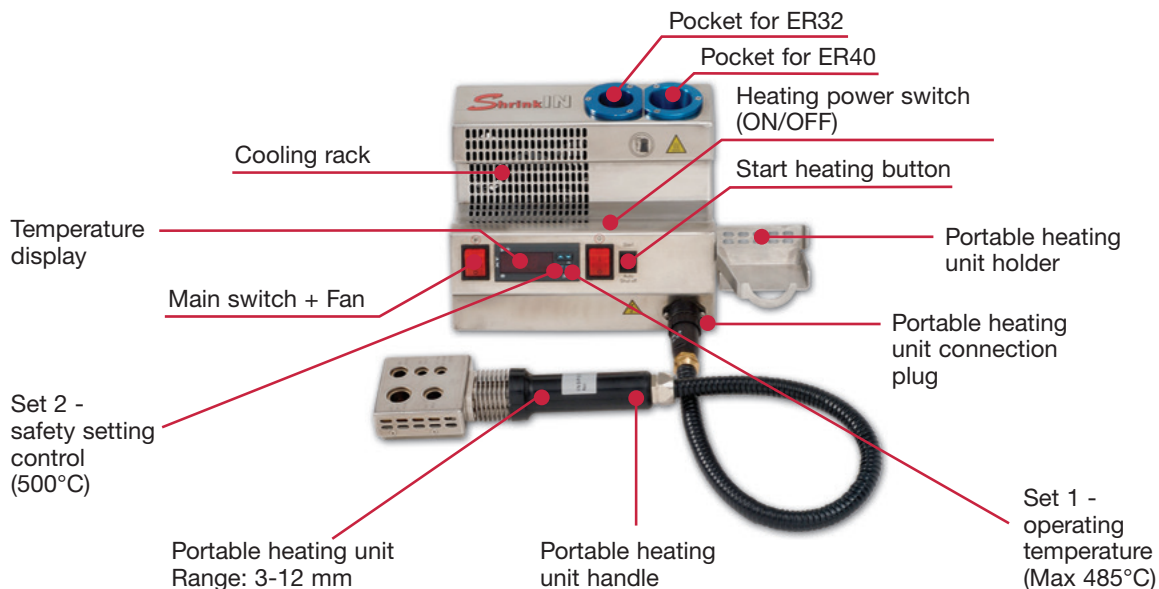
Machine

3-380-500V 50/60HZ

TUNGSHRINK

SHRINKIN UNIT V2

SHRINKIN Induction heating unit for shrink tool chucking



Inch

SHRINKIN UNIT V2 USA

Machine

220V 50/60HZ

TUNGSHRINK

SET ER-SRK

Set of ER collets with thermal shrink chucks



Inch	Collet size	Qty	Range
SETER32SRKS6USA	32	6	0.187, 0.25, 0.312, 0.375, 0.437, 0.5
SETER32SRKM6USA	32	6	0.187, 0.25, 0.312, 0.375, 0.437, 0.5
SETER32SRKL6USA	32	6	0.187, 0.25, 0.312, 0.375, 0.437, 0.5

SC

Sleeve for C-ABB adapter

Fig. A

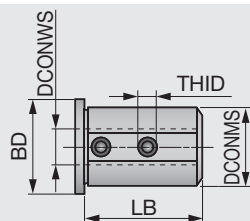
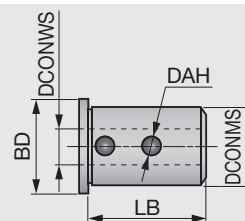
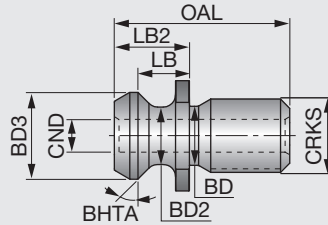


Fig. B



Inch	DCONMS	DCONWS	BD	LB	THID	DAH	Fig.
SC1-1/2T.250A	1.5	0.25	1.811	2.283	M6	-	A
SC1-1/2T.375A	1.5	0.375	1.811	2.283	M8	-	A
SC1-1/2T.500A	1.5	0.5	1.811	2.283	M9	-	A
SC1-1/2T.625B	1.5	0.625	1.811	2.283	-	0.591	B
SC1-1/2T.750B	1.5	0.75	1.811	2.283	-	0.591	B
SC1-1/2T1.000B	1.5	1	1.811	2.283	-	0.591	B



Inch	CRKS	BD3	BD2	BD	CND	LB	OAL	LB2	BHTA
PSCAT40455/8ANSI	5/8-11	0.74	0.49	0.49	-	0.439	1.5	0.64	45°
PSCAT40455/8ANSIB	5/8-11	0.74	0.49	0.49	0.28	0.439	1.5	0.64	45°
PSCAT50451ANSIB	1-8	1.14	0.82	0.82	0.315	0.703	2.3	1	45°
PSCAT50451ANSI	1-8	1.14	0.82	0.82	-	0.703	2.3	1	45°

Coolant holes only in items with a "B" suffix.

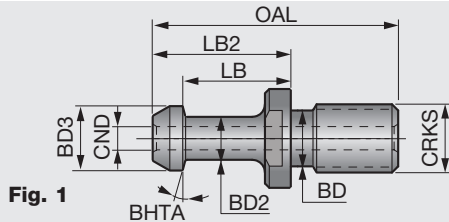


Fig. 1

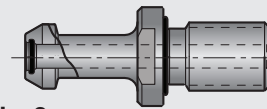


Fig. 2

Inch	CRKS	BD3	BD2	BD	CND	LB	OAL	LB2	BHTA	Fig
PSCAT4045M16MAS1	M16	0.606	0.394	0.512	0.217	0.995	2.25	1.274	45°	1
PSCAT4045M16MAS1B	M16	0.606	0.394	0.512	0.217	0.995	2.25	1.274	45°	1
PSCAT40455/8MAS1	5/8-11	0.59	0.39	0.512	-	0.99	2.25	1.266	45°	1
PSCAT40455/8MAS1B	5/8-11	0.59	0.39	0.512	0.217	0.99	2.25	1.266	45°	1
PSCAT40605/8MAS2	5/8-11	0.59	0.39	0.512	-	0.99	2.25	1.266	60°	1
PSCAT40605/8MAS2B	5/8-11	0.59	0.39	0.512	0.217	0.99	2.25	1.266	60°	1
PSCAT40905/8MAS3	5/8-11	0.59	0.39	0.512	-	0.99	2.25	1.266	90°	1
PSCAT40905/8MAS3B	5/8-11	0.59	0.39	0.512	0.217	0.99	2.25	1.266	90°	1
PSCAT50451"MAS1	1-8	0.906	0.67	0.827	-	1.378	3.346	1.772	45°	1
PSCAT50451"MAS1B	1-8	0.906	0.67	0.827	0.236	1.378	3.346	1.772	45°	1
PSCAT50451"MAS1OBO	1-8	0.906	0.67	0.827	0.236	1.378	3.346	1.772	45°	2
PSCAT50601"MAS2	1-8	0.906	0.67	0.827	-	1.378	3.346	1.772	60°	1
PSCAT50601"MAS2B	1-8	0.906	0.67	0.827	0.236	1.378	3.346	1.772	60°	1
PSCAT50901"MAS3	1-8	0.906	0.67	0.827	-	1.378	3.346	1.772	90°	1
PSCAT50901"MAS3B	1-8	0.906	0.67	0.827	0.236	1.378	3.346	1.772	90°	1

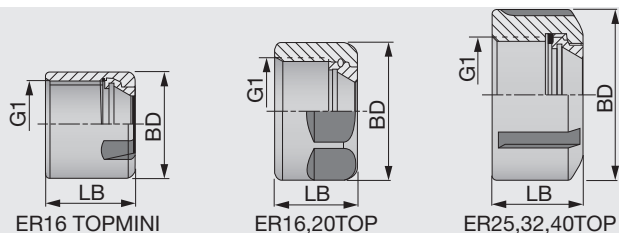
Fig 1: Coolant holes only in items with a "B" suffix.

Fig 2: With external and internal O-rings.

TUNGHOLD

NUT ER-TOP

Nut for ER collet chucks (DIN6499)



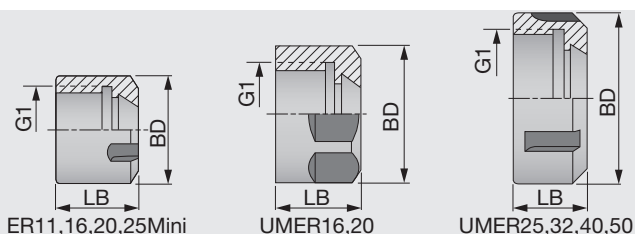
Metric	BD	LB	G1	Torque
NUTER16TOP	28	17	M22X1.5	68.7
NUTER20TOP	34	19	M25X1.5	117.7
NUTER25TOP	42	20	M32X1.5	196.1
NUTER32TOP	50	22	M40X1.5	215.7
NUTER40TOP	63	25	M50X1.5	245.1

Torque: Recommended clamping torque: N·m

TUNGHOLD

NUT ER-UM/MINI

UM/Mini nut for ER collet chucks (DIN6499)



Metric	BD	LB	G1	Torque
NUTER11GHS ⁽¹⁾	16	11.5	M13X0.75	-
NUTER11MINI	16	10.8	M13X0.75	29.4
NUTER11UM	19	11.3	M14X0.75	49
NUTER16MINI	22	18	M19X1.0	39.2
NUTER16UM	28	17	M22X1.5	68.7
NUTER20MINI	28	19	M24X1.0	78.5
NUTER20UM	34	19	M25X1.5	117.7
NUTER25MINI	35	20	M30X1.0	98
NUTER25UM	42	20	M32X1.5	196.1
NUTER32UM	50	22	M40X1.5	215.7
NUTER40UM	63	25	M50X1.5	245.1
NUTER50UM	78	35	M64X2.0	343.2

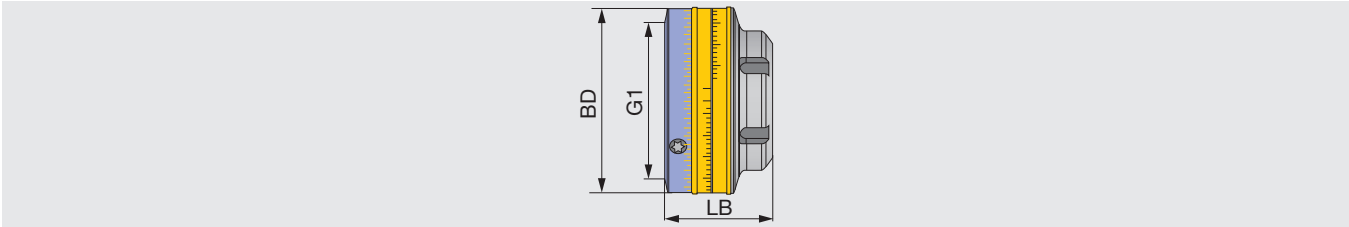
(1) To be used only for SpinJet spindles

Torque: Recommended clamping torque: N·m

TUNGBALANCE

NUT ER-BALANCE

Balanceable nut for ER collet chucks (DIN6499)



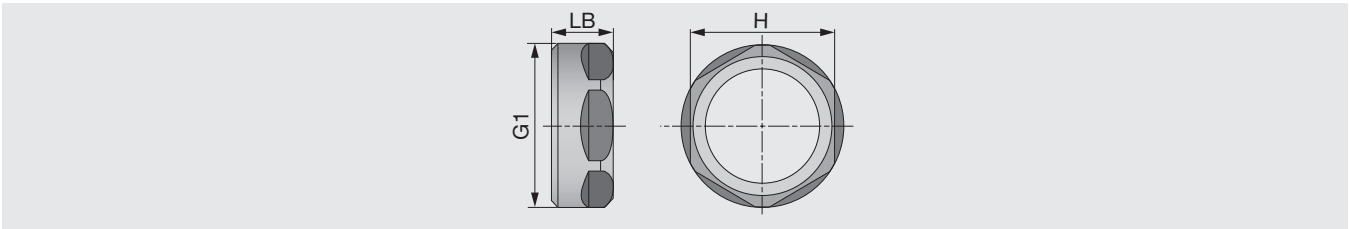
Metric	BD	LB	G1	Torque
NUTER16TOPBIN	36	44	M22X1.5	68.7
NUTER25TOPBIN	37.5	58	M32X1.5	196.1

Torque: Recommended clamping torque: N·m

TUNGSHORT

NUT ER-SHORT

Nut for ER collet chucks (TungShort)



Metric	H	LB	G1	Torque
NUTER20SHORT	22	10.7	M25X1.5	117.7
NUTER32SHORT	36	15	M40X1.5	215.7
NUTER40SHORT	46	16	M50X1.5	245.1

Torque: Recommended clamping torque: N·m

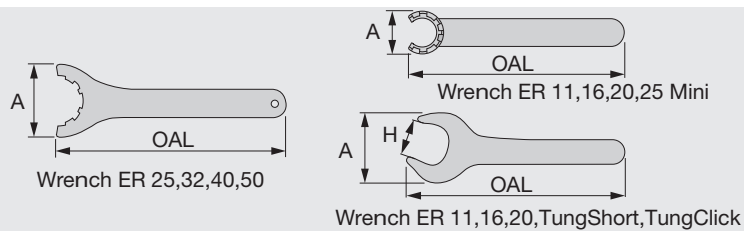
Grade
Insert
Toolholder
Ext. Toolholder
Int. Toolholder
Threading
Grooving
Tool
Miniature Tool
Milling Cutter
Endmill
Drilling Tool
Tooling System
User's Guide
Index



TUNGHOLD

WRENCH ER

Wrench for ER nut (DIN6499)



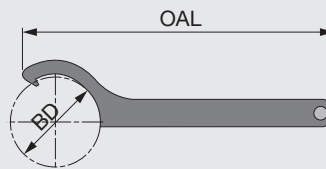
Metric	A	H	OAL
WRENCHER11SMS ⁽¹⁾	16	-	95
WRENCHER11MINI	16.8	-	95
WRENCHER11	32	17	95
WRENCHER16MINI	22.5	-	117
WRENCHER16	42.5	25	143
WRENCHER20MINI	28	-	128
WRENCHER20	53.5	30	172
WRENCHER25MINI	29	-	120
WRENCHER25	70	-	207
WRENCHER32	78	-	255
WRENCHER40	95	-	285
WRENCHER50	110	-	350
WRENCHER20SHORTRING22	48	22	260
WRENCHER32SHORT	75	36	303
WRENCHER40SHORT	94	46	378
WRENCHER32CLICKIN27	57	27	239
WRENCHER32CLICKIN32	67	32	273

(1) Use SpinJet spindle only.

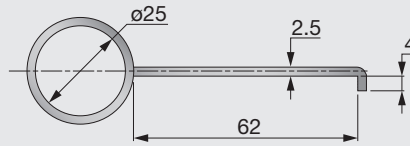
TUNGMAX

WRENCH

Wrench for TungMax collets



Metric	BD	OAL
WRENCHMAXIN20HOOK	26	205
WRENCHMAXIN32HOOK	68	240



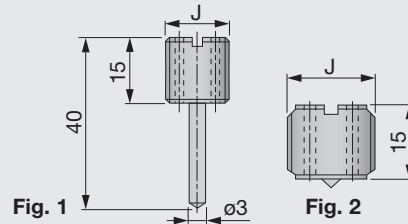
Metric

EXTRACTOR SC COLLETS

TUNG HOLD

PRESET ER-JET

Preset screw for ER collet chucks

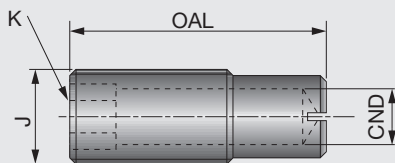


Metric	J	Fig.
PRESETER-JET8X1	M8X1.0	2
PRESETER-JET8X1.25	M8X1.25	2
PRESETER-JET10X1.5	M10X1.5	2
PRESETER-JET12X1	M12X1.0	2
PRESETER-JET12X1.75L	M12X1.75	1
PRESETER-JET12X1.75	M12X1.75	2
PRESETER-JET14X1	M14X1.0	2
PRESETER-JET16X2	M16X2	2
PRESETER-JET16X2L	M16X2	1
PRESETER-JET18X1	M18X1.0	2
PRESETER-JET18X1.5	M18X1.5	2
PRESETER-JET18X1.5L	M18X1.5	1
PRESETER-JET22X1.5	M22X1.5	2
PRESETER-JET22X1.5L	M22X1.5	1
PRESETER-JET28X1.5	M28X1.5	2

TUNGMAX

Preset Screw

Preset screw for SC-SPR

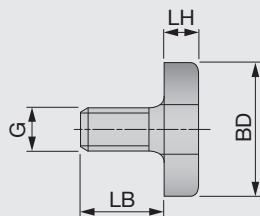


Metric	J	OAL	CND	K
PRESETMAXIN16X30	M16	30	8	8
PRESETMAXIN16X44	M16	44	8	8
PRESETMAXIN20X55	M20	55	12	12

TUNGHOLD

SCREW-SEM

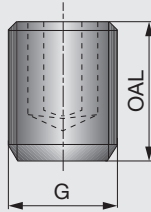
Lock screw for shell mill holders



Metric	G	BD	LH	LB
M8CLAMPSCREWSEM16	M8	20	6	16
M10CLAMPSCREWSEM22	M10	28	7	18
M12CLAMPSCREWSEM27	M12	35	8	22
M16CLAMPSCREWSEM32	M16	42	9	26
M20CLAMPSCREWSEM40	M20	52	10	30
M24CLAMPSCREWSEM50	M24	63	12	36

STANDARD CENTER BOLT

Inch	G	BD	LH	LB	Torque
SCREW1/4-28SEM1/2	1/4-28 UNF-2A	0.65	0.315	0.709	6
SCREW3/8-24SEM3/4	3/8-24 UNF-2A	0.886	0.394	0.709	25
SCREW1/2-20SEM1	1/2-20 UNF-2A	1.181	0.472	0.874	50
SCREW5/8-18SEM1-1/4	5/8-18 UNF-2A	1.496	0.512	1.000	75
SCREW3/4-16SEM1-1/2	3/4-16 UNF-2A	1.87	0.512	1.161	100
SCREW1-14SEM2	1-14 UNS-2A	2.48	0.512	1.25	110

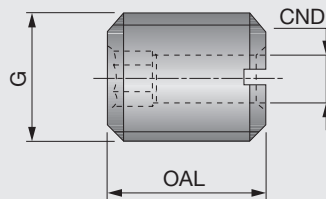


Metric	G	OAL	Applicable shank diameter
SRM6X10DIN1835B	M6	10	6
SRM8X10DIN1835-B	M8	10	8
SRM10X12DIN1835-B	M10	12	10
SRM12X16DIN1835-B	M12	16	12,14
SRM14X16DIN1835-B	M14	16	14,16
SRM16X16DIN1835-B	M16	16	20
SRM18X2X20DIN1835-B	M18X2	20	25,32
SRM20X2X20DIN1835-B	M20X2	20	40
SRM24X2X25DIN1835-B	M24X2	25	50
SRM16X10.3EMSHORT	M16	10.3	20
SRM18X2X10EMSHORT	M18X2	10	2

TUNG HOLD

PRESET SCREW

Preset screw with coolant hole for EME/SRKIN holders

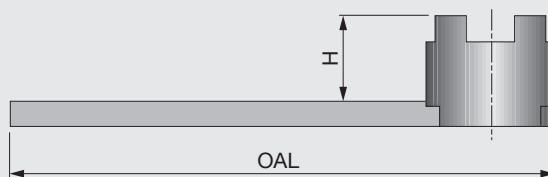


Metric	G	OAL	CND	Applicable shank	Wrench
PRESETSCREWM6X20B	M6X1	20	2.5	EME/SRKIN	3
PRESETSCREWM8X20B	M8X1.25	20	3.5	EME/SRKIN	4
PRESETSCREWM10X18B	M10X1.5	18	4.5	EME/SRKIN	5
PRESETSCREWM12X18B	M12X1.75	18	5.5	EME/SRKIN	6
PRESETSCREWM16X20B	M16X2	20	7.5	EME/SRKIN	6
PRESETSCREWM16X25B	M16X2	25	7.5	SRKIN	6

TUNGHOLD

WRENCH SEMC

Wrench for face mill and shell mill combination type holders (DIN6368)

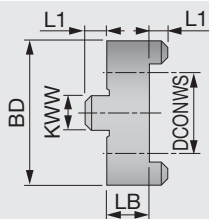


Metric	Clamping bore dia.	G	H	OAL
WRENCHM8SEMC16	16	M8	20	180
WRENCHM10SEMC22	22	M10	25	200
WRENCHM12SEMC27	25.4,27	M12	32	225
WRENCHM16SEMC32	31.75,32	M16	36	250
WRENCHM20SEMC40	38.1,40	M20	40	280
WRENCHM24SEMC50	50,50.8	M24	50	315

TUNGHOLD

DRIVING RING SEMC

Driving ring for face mill and shell mill combination type holders (DIN6366/1)



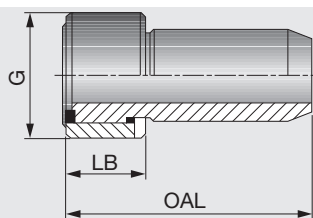
Metric	DCONWS	BD	LB	L1	KWW
16D.RINGSEMC	16	32	10	8	5
22D.RINGSEMC	22	40	12	10	6
27D.RINGSEMC	27	48	12	12	6.3
32D.RINGSEMC	32	58	14	14	7
40D.RINGSEMC	40	70	14	16	8
50D.RINGSEMC	50	90	16	18	9

Should be used with WRENCH SEMC.

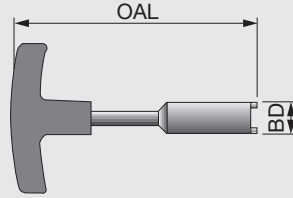
TUNGHOLD

COOLING TUBE-HSK

Cooling tube for HSK shank



Metric	HSK size	OAL	LB	G
COOLINGTUBEHСКА40	40	29.1	7.5	M12X1
COOLINGTUBEHСКА50	50	32.7	9.5	M16X1
COOLINGTUBEHСКА63	63	36	11.5	M18X1
COOLINGTUBEHСКА80	80	36.6	13.5	M20X1.5
COOLINGTUBEHСКА100	100	43.6	15.5	M24X1.5

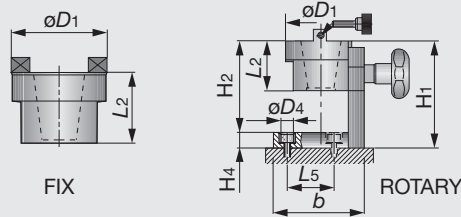


Metric	HSK size	BD	OAL
WRENCHCOOLTUBEHSK40	40	11	120
WRENCHCOOLTUBEHSK50	50	15	120
WRENCHCOOLTUBEHSK63	63	17	122
WRENCHCOOLTUBEHSK80	80	18.5	186
WRENCHCOOLTUBEHSK100	100	22	141

TUNG HOLD

TOOL CLAMP

Tool clamp fixture for ISO, DIN69871, and BT MAS-403 BT shanks

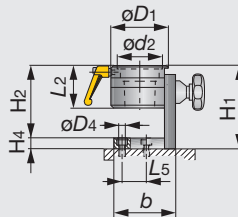


Metric	CSI	øD1	L2	H1	H2	H4	b	L5	øD4
TOOLCLAMP30ROTARY	ROTARY	70	56	128	109	19	104	40	12.5
TOOLCLAMP40ROTARY	ROTARY	82	56	128	109	19	104	40	12.5
TOOLCLAMP50ROTARY	ROTARY	103	71	170	151	19	144	85	12.5
TOOLCLAMP30FIX	FIX	82	58	-	-	-	-	-	-
TOOLCLAMP40FIX	FIX	82	58	-	-	-	-	-	-
TOOLCLAMP50FIX	FIX	103	71	-	-	-	-	-	-

TUNG HOLD

MULTI CLAMP (HSK)

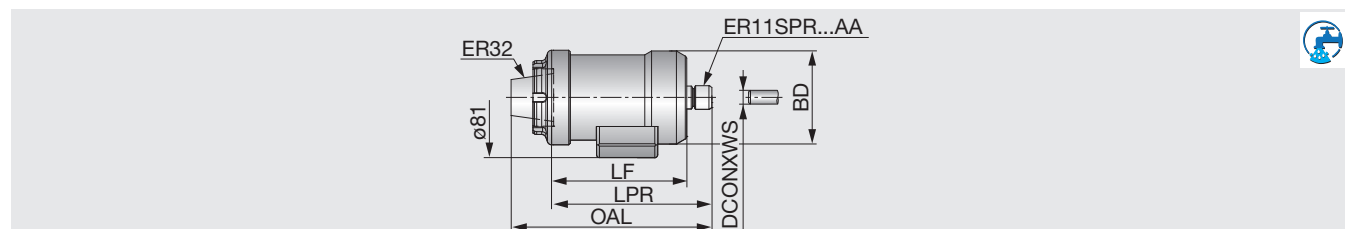
Multi-clamp rotary fixture for HSK shank



Metric	CSI	ød2	øD1	L2	H1	H2	H4	b	L5	øD4
MULTICLAMP32E/F	HSK A/C50	32	113.2	70	133	114	19	144	40	12.5
MULTICLAMP40E/F	HSK A/C63	40	113.2	70	133	114	19	144	40	12.5
MULTICLAMP63E/F	HSK E/F32	63	113.2	70	133	114	19	144	40	12.5
MULTICLAMP50A/C	HSK E/F40	50	82	72	142	123	19	104	40	12.5
MULTICLAMP63A/C	HSK E/F50	63	95	72	142	123	19	104	40	12.5
MULTICLAMP100A/C	HSK E/F63	100	130	90	178	159	19	144	85	12.5

SPINJET**TJS-ER32**

Coolant driven high speed compact spindle for ER32 collet chuck



Metric	LF	LPR	OAL	BD	DCONXWS ⁽¹⁾	WT(kg)
TJSGJETER32	92	109	136	63	7	1.3

Coolant pressure through machine spindle: Min. 2 MPa / Max. 4 MPa

Min. flow rate: 12 l/min

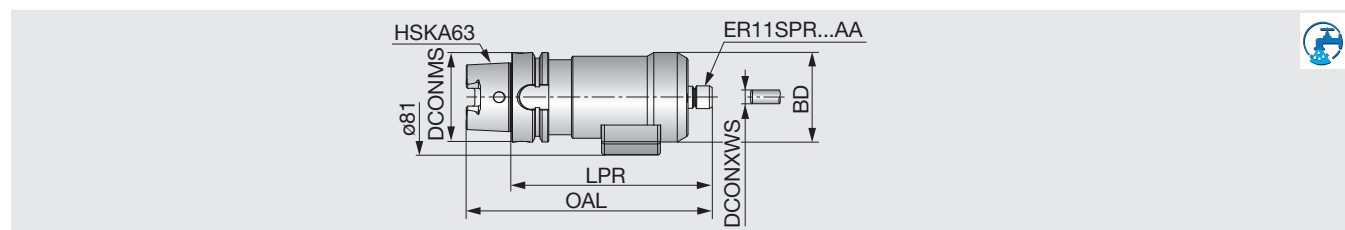
(1) Max. tool shank diameter: ø7 mm

SPARE PARTS

Designation	Nut	Wrench for nut	Shaft lock key	Display (Optional)
TJSGJETER32	NUTER11GHS	WRENCHER11SMS	TJSSHAFTLOCKKEYGJET	TJSTSDDISPLAY***

SPINJET**TJS-HSK A63**

Coolant driven high speed compact spindle with HSK A63 shank



Metric	DCONMS	LPR	OAL	BD	DCONXWS ⁽¹⁾	WT(kg)
TJSGJETHSKA63	63	141	173	63	7	1.8

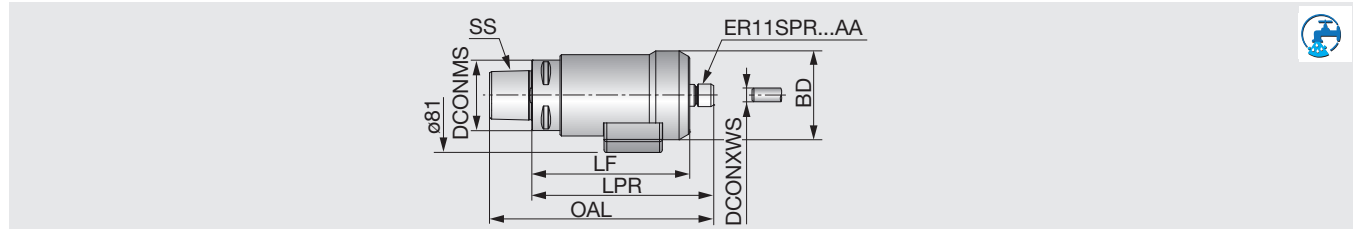
Coolant pressure through machine spindle: Min. 2 MPa / Max. 4 MPa

Min. flow rate: 12 l/min

(1) Max. tool shank diameter: ø7 mm

SPARE PARTS

Designation	Nut	Wrench for nut	Shaft lock key	Display (Optional)
TJSGJETHSKA63	NUTER11GHS	WRENCHER11SMS	TJSSHAFTLOCKKEYGJET	TJSTSDDISPLAY***



Metric	SS	DCONMS	LF	LPR	OAL	BD	DCONXWS ⁽¹⁾	WT(kg)
TJSGJETC5	C5	50	112	129	159	63	7	1.5
TJSGJETC6	C6	63	102	119	157	63	7	1.6

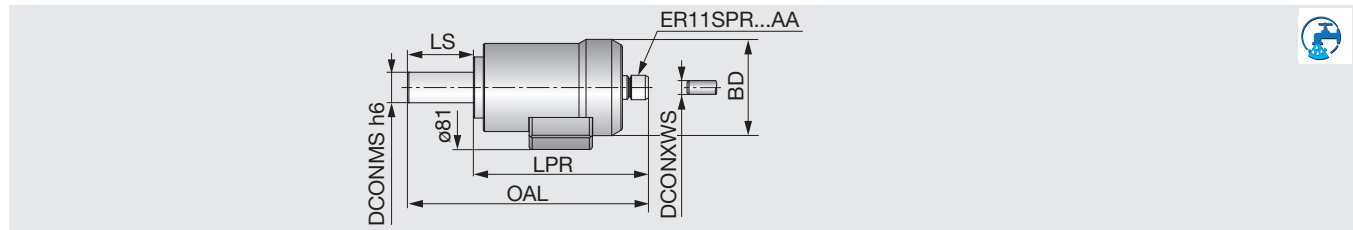
Coolant pressure through machine spindle: Min. 2 MPa / Max. 4 MPa

Min. flow rate: 12 l/min

(1) Max. tool shank diameter: ø7 mm

SPARE PARTS

Designation	Nut	Wrench for nut	Shaft lock key	Display (Optional)
TJSGJETC...	NUTER11GHS	WRENCHER11SMS	TJSSHAFTLOCKKEYGJET	TJSTSDDISPLAY***



Metric	DCONMS	LS	LPR	OAL	BD	DCONXWS ⁽¹⁾	WT(kg)
TJSGJETST20	20	43	115	158	63	7	1.2

Coolant pressure through machine spindle: Min. 2 MPa / Max. 4 MPa

Min. flow rate: 12 l/min

(1) Max. tool shank diameter: ø7 mm

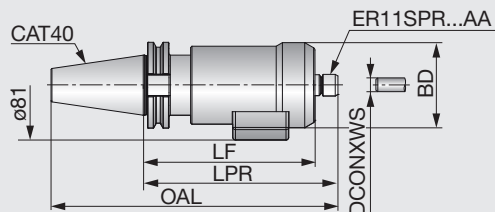
SPARE PARTS

Designation	Nut	Wrench for nut	Shaft lock key	Display (Optional)
TJSGJETST20	NUTER11GHS	WRENCHER11SMS	TJSSHAFTLOCKKEYGJET	TJSTSDDISPLAY***

SPINJET

TJS-CAT

Coolant driven high speed compact spindle with CAT shank



Metric	LF	LPR	OAL	BD	DCONXWS ⁽¹⁾	WT(kg)
TJSGJETCAT40	127	144	212	63	7	2

Coolant pressure through machine spindle: Min. 2 MPa / Max. 4 MPa

Min. flow rate: 12 l/min

(1) Max. tool shank diameter: ø7 mm

SPARE PARTS

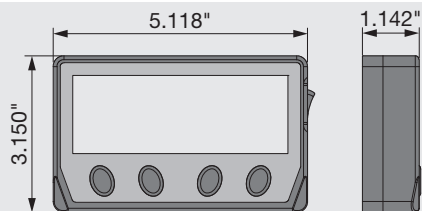


Designation	Nut	Wrench for nut	Shaft lock key	Display (Optional)
TJSGJETCAT40	NUTER11GHS	WRENCHER11SMS	TJSSHAFTLOCKKEYGJET	TJSTSDDISPLAY***

SPINJET

Wireless RPM speed display

RPM speed display (SpinJet)



Inch	Adaptive product
TJSTSDDISPLAYUSA (for the United States and Japan)	TJS spindles

Including plug adapter

• Plug adapter for wireless RPM speed display

Type	TJSTSDDISPLAYUSA
Designation	TJSDISP.POWERSUPP-USA
Appearance	 Plug adapter for the United States and Japan

Plug adapter is also sold separately.



New
models

Discontinued
models



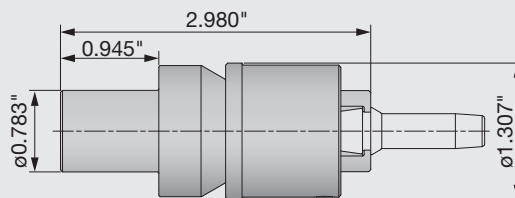
Alternative designation	Discontinued designation
-	TJS20KBT30L
TJSGJETBT30	TJS20KBT30R
-	TJS30KBT30L
TJSGJETBT30	TJS30KBT30R
-	TJS40KBT30L
TJSGJETBT30	TJS40KBT30R
-	TJS20KBT40L
TJSGJETBT40	TJS20KBT40R
-	TJS30KBT40L
TJSGJETBT40	TJS30KBT40R
-	TJS40KBT40L
TJSGJETBT40	TJS40KBT40R
-	TJS20KCAT40L
TJSGJETCAT40	TJS20KCAT40R
-	TJS30KCAT40L
TJSGJETCAT40	TJS30KCAT40R
-	TJS40KCAT40L
TJSGJETCAT40	TJS40KCAT40R
-	TJS20KC5L
TJSGJETC5	TJS20KC5R
-	TJS30KC5L
TJSGJETC5	TJS30KC5R
-	TJS40KC5L
TJSGJETC5	TJS40KC5R
-	TJS20KC6L
TJSGJETC6	TJS20KC6R
-	TJS30KC6L
TJSGJETC6	TJS30KC6R

Alternative designation	Discontinued designation
-	TJS40KC6L
TJSGJETC6	TJS40KC6R
-	TJS20KER32L
TJSGJETER32	TJS20KER32R
-	TJS30KER32L
TJSGJETER32	TJS30KER32R
-	TJS40KER32L
TJSGJETER32	TJS40KER32R
-	TJS20KHSKA63L
TJSGJETHSKA63	TJS20KHSKA63R
-	TJS30KHSKA63L
TJSGJETHSKA63	TJS30KHSKA63R
-	TJS40KHSKA63L
TJSGJETHSKA63	TJS40KHSKA63R
-	TJS20KDIN698714
-	TJS20KDIN6987140R
-	TJS30KDIN698714
-	TJS30KDIN6987140R
-	TJS40KDIN698714
-	TJS40KDIN6987140R
-	TJS20KST20L
TJSGJETST20	TJS20KST20R
-	TJS30KST20L
TJSGJETST20	TJS30KST20R
-	TJS40KST20L
TJSGJETST20	TJS40KST20R

As of December 28, 2018, all orders for discontinued models are not accepted. As of December 31, 2020, all services and support including repairs and spare part sales will end.

ER-SRK Shrink collet adapter

ER11 shrink collet adapter for induction heating device



Inch

INDER11TOOLADAPTER

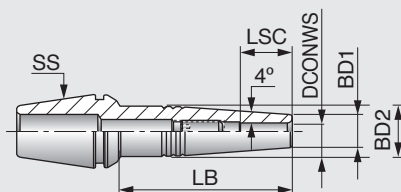
Adaptive product

TJS spindles

SPINJET

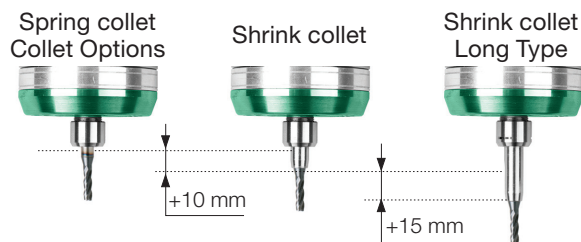
ER-SRK Shrink collet

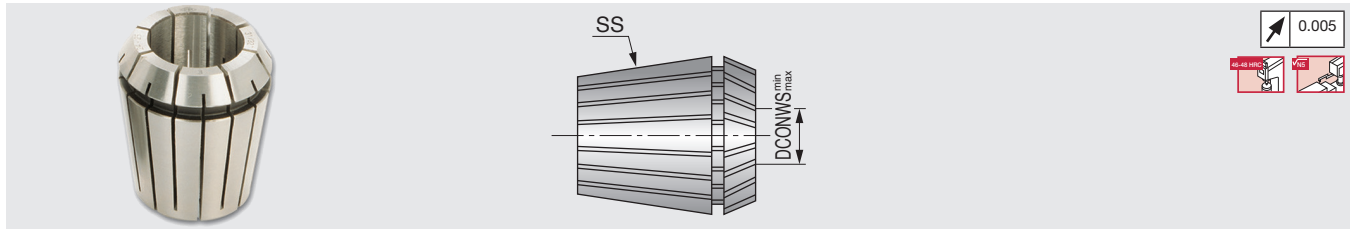
ER11 shrink collet for induction heating device



Metric	SS	DCONWS	LB	LSC	BD2	BD1
ER11SRK3X10	ER11	3	10	9.5	8.5	7.6
ER11SRK3X25	ER11	3	25	11.5	8.5	7.6
ER11SRK4X10	ER11	4	10	9.5	8.5	7.6
ER11SRK4X25	ER11	4	25	11.5	8.5	7.6

For carbide tools only

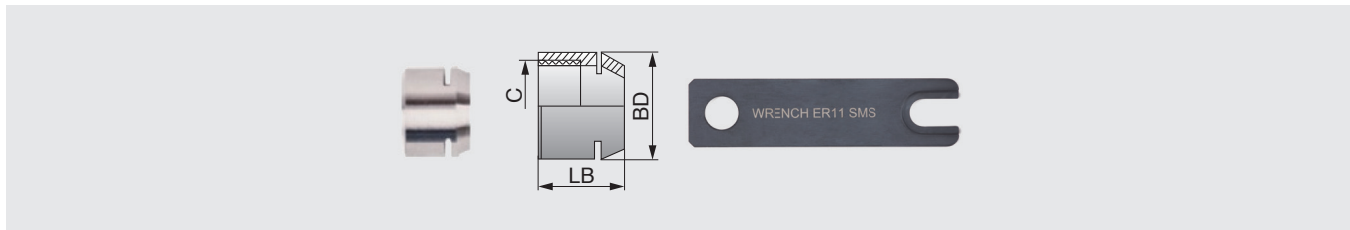




Metric	SS	DCONWS min	DCONWS max
ER11SPR0.5-1AA	ER11	0.5	1
ER11SPR1-2AA	ER11	1	2
ER11SPR2-3AA	ER11	2	3
ER11SPR3-4AA	ER11	3	4
ER11SPR4-5AA	ER11	4	5
ER11SPR5-6AA	ER11	5	6
ER11SPR6-7AA	ER11	6	7

AA collet run-out: 0.005 mm

Nut and wrench for collets



Metric	BD	LB	C	Wrench for nut
NUTER11GHS	16	11.5	M13X0.75	WRENCHER11SMS

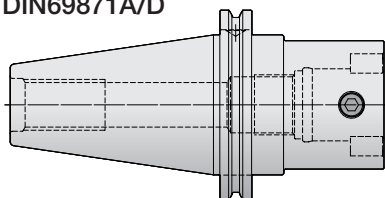
Shaft lock key



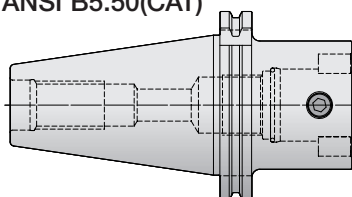
Metric
TJSSHAFTLOCKKEYGJET

Wide range of variation quick change system

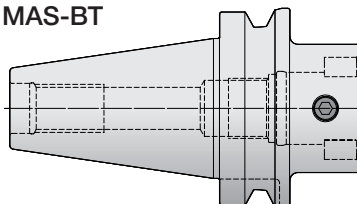
DIN69871A/D



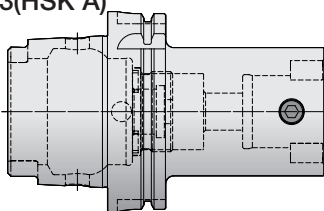
ANSI B5.50(CAT)



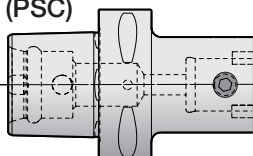
MAS-BT



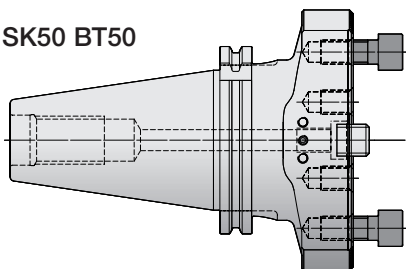
DIN69893(HSK A)



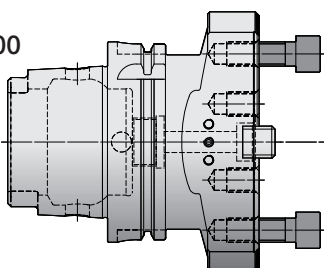
ISO26623-1(PSC)



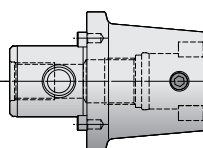
SK50 BT50



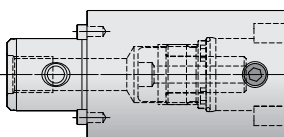
HSK-A100



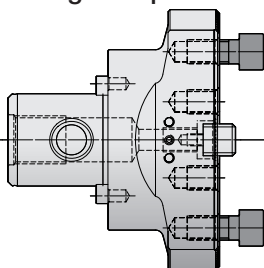
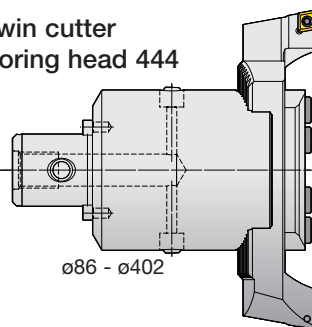
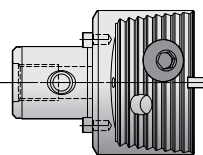
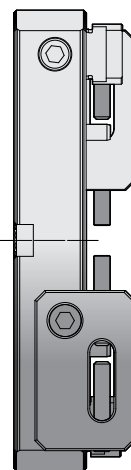
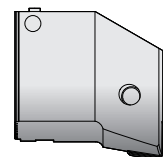
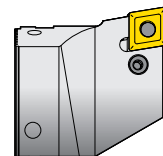
Reduction

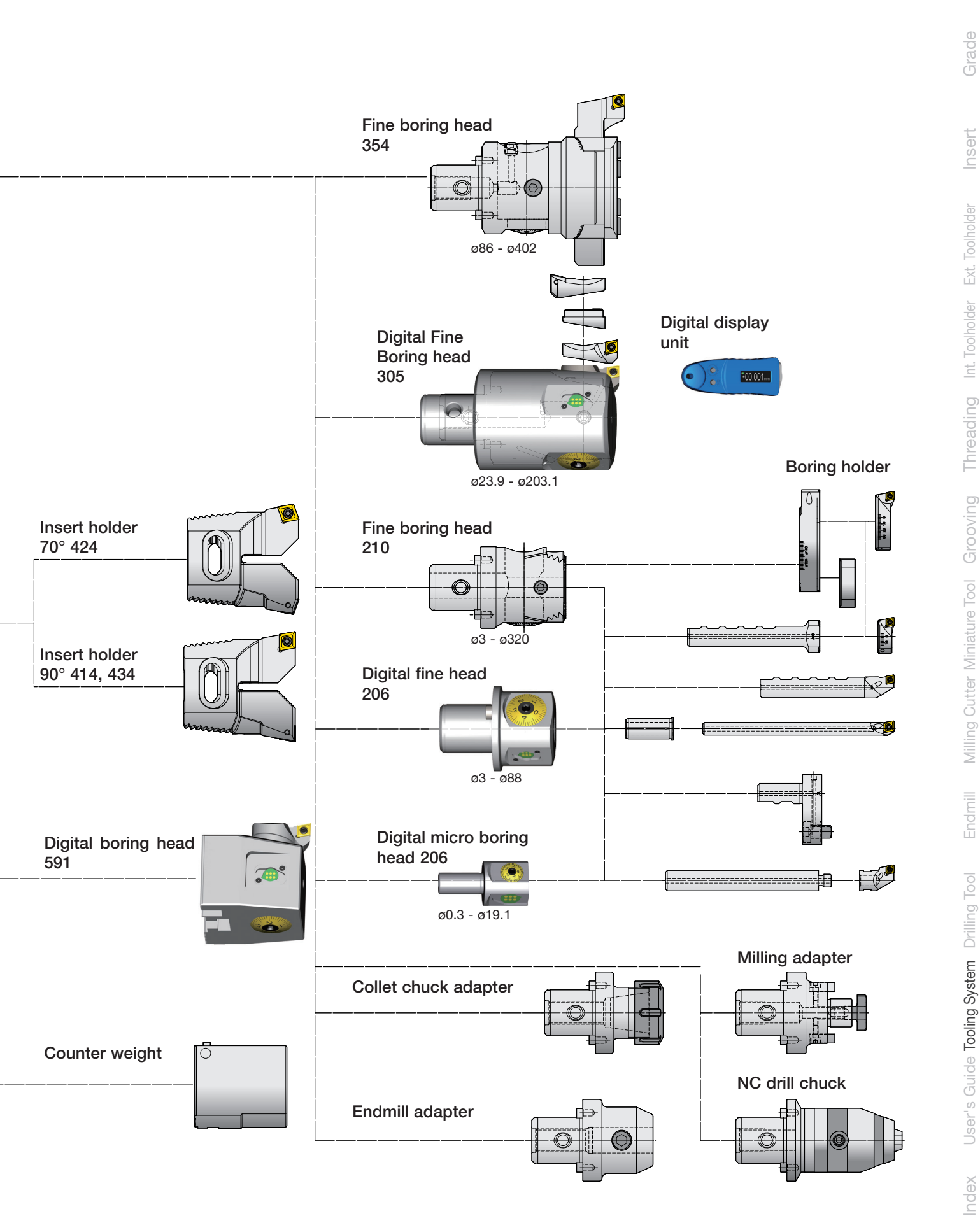


Extension



Bridge adapter

Twin cutter
Boring head 444
 $\varnothing 86 - \varnothing 402$
Twin cutter
Boring head 404
 $\varnothing 23.5 - \varnothing 153$
Extension
Bridge
 $\varnothing 150 - \varnothing 2205$
Boring head
570, 575, 580



SWISSBORE

GH1-DA

Digital display unit



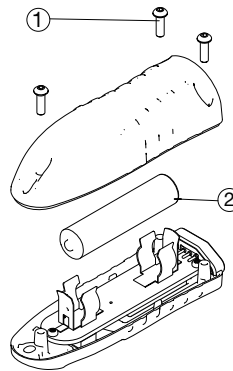
Metric

GH1-DA2.BG0.077

- High precision display unit with accuracy of 0.001 mm in diameter.
- Display unit features direct measurement system with no backlash.
- The illuminated display can be rotated 180 degrees to apply any measuring situation.
- Option: mm or inch
- Standard AAA battery installed.
- Magnet attachment

SPARE PARTS

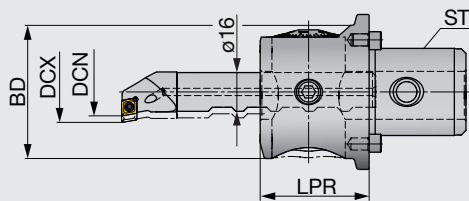
Designation	Clamping screw ①	Screw wrench	Battery ②
GH1-DA2.BG0.077	900.309.022.008	900.308.011.045	AAA



SWISSBORE

SwissBore206

Digital fine boring head $\varnothing 9.75$ - $\varnothing 88.1$

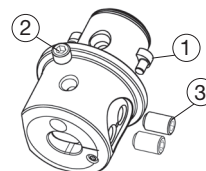


Radius adjustment range: 2.7 mm

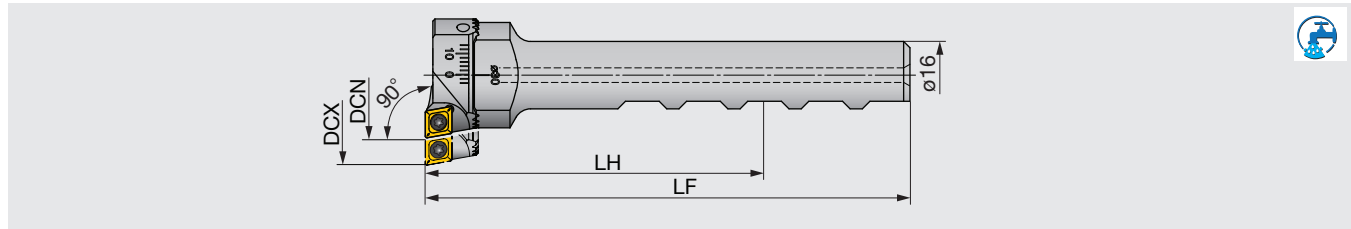
Metric	ST	BD	DCN	DCX	LPR
206.064.025.045	ST6	55	9.75	88.1	45

SPARE PARTS

Designation	Drive pin ①	Clamping screw ②	Fastening screw ③
206.***.025.***	900.102.064.000	900.204.010.008	900.204.010.008



Boring bars 254,256
Option : Display unit GH1-DA2.BG0.077

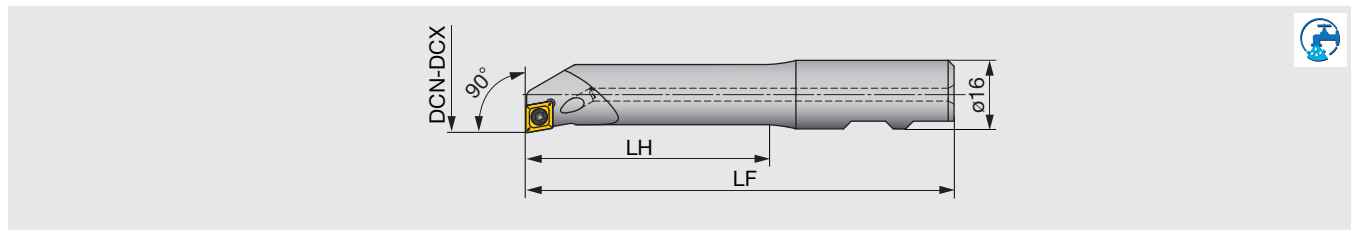
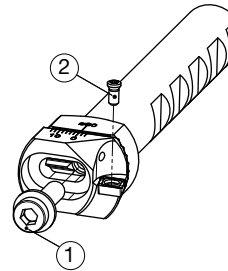


Metric (Shank)	Metric (Insert holder)	DCN	DCX	LH	LF	Insert
256.030.048.115	256.030.006.012	29.75	48.1	85	115	CC**0602...
256.048.088.115	256.048.006.014	47.75	88.1	85	115	CC**0602...

Applicable for 7 MPa pressure coolant

SPARE PARTS

Designation	Clamping screw ①	Clamping screw ②	Wrench
256.0**.0**.***	900.256.005.016	CSTB-2.5S	T-8F

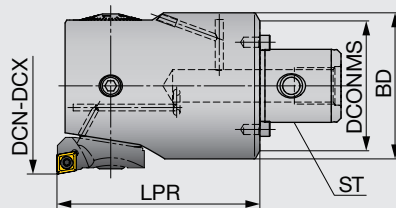


Metric	DCN	DCX	LH	LF	Insert
254.010.006.075	9.75	15.1	30	75	CC**0602...
254.015.006.090	14.75	20.1	51	90	CC**0602...
254.020.006.105	19.75	25.1	72	105	CC**0602...
254.025.006.115	24.75	30.1	82	115	CC**0602...

Applicable for 7 MPa pressure coolant

SPARE PARTS

Designation	Clamping screw	Screw wrench
254.0**.006.***	CSTB-2.5S	T-8F

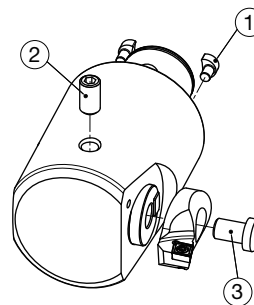


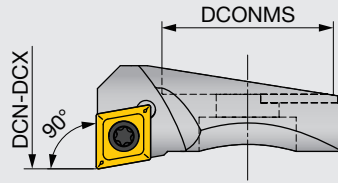
Metric	ST	DCN	DCX	DCONMS	BD	LPR	Insert holder
305.020.024.035	ST1	23.9	31.1	19.6	22.5	35.5	314.011.024.006/007
305.020.024.035	ST1	29.9	37.1	19.6	22.5	35.5	314.011.030.006/007
305.025.031.040	ST2	30.9	40.1	25	29	40	314.013.031.006/007
305.025.031.040	ST2	37.9	47.1	25	29	40	314.013.038.006/007
305.032.040.047	ST3	39.9	51.1	31.4	37	47	314.017.040.006/007
305.032.040.047	ST3	47.9	59.1	31.4	37	47	314.017.048.006/007
305.039.051.057	ST4	50.9	67.1	39	47	57	314.022.051.006/007
305.039.051.057	ST4	64.9	81.1	39	47	57	314.022.065.006/007
305.050.067.080	ST5	66.9	87.1	50	59	80	314.030.067.009/011
305.050.067.080	ST5	84.9	105.1	50	59	80	314.030.085.009/011
305.064.087.100	ST6+	86.9	116.1	64	72	100	314.030.067.009/011
305.064.087.100	ST6+	104.9	134.1	64	72	100	314.030.085.009/011
305.090.116.130	ST7+	115.9	153.1	90	94	130	314.030.067.009/011
305.090.116.130	ST7+	133.9	171.1	90	94	130	314.030.085.009/011
305.090.116.130	ST7+	153.9	191.1	90	94	130	314.726.003.009/011
305.090.116.130	ST7+	165.9*	203.1*	90	94	130	-

*Option : insert holder (314.726.003.009 or 314.726.003.011) & adapter (900.803.001.006)
Applicable for 7 MPa pressure coolant

SPARE PARTS

Designation	Drive pin ①	Clamping screw ②	Fastening screw ③
305.020.024.035	900.102.020.000	900.304.004.003	900.314.004.006
305.025.031.040	900.102.025.000	900.304.005.004	900.314.005.008
305.032.040.047	900.102.032.000	900.304.006.005	900.314.006.010
305.039.051.057	900.102.039.000	900.304.008.006	900.314.008.012
305.050.067.080	900.102.050.000	900.304.010.010	900.314.010.016
305.064.087.100	900.102.064.000	900.304.010.018	900.314.010.016
305.090.116.130	900.102.090.000	900.304.010.030	900.314.010.016



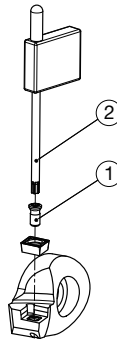


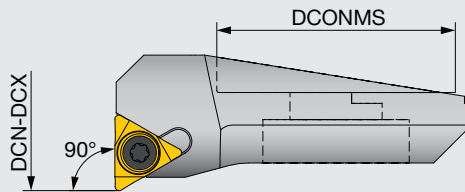
Metric	DCN	DCX	DCONMS	Insert	Boring head
314.011.024.006	23.9	31.1	11	CC**0602**	305.020.024.035
314.011.030.006	29.9	37.1	11	CC**0602**	305.020.024.035
314.013.031.006	30.9	40.1	13	CC**0602**	305.025.031.040
314.013.038.006	37.9	47.1	13	CC**0602**	305.025.031.040
314.017.040.006	39.9	51.1	17	CC**0602**	305.032.040.047
314.017.048.006	47.9	59.1	17	CC**0602**	305.032.040.047
314.022.051.006	50.9	67.1	22	CC**0602**	305.039.051.057
314.022.065.006	64.9	81.1	22	CC**0602**	305.039.051.057
314.030.067.009	66.9	87.1	30	CC**09T3**	305.050.067.080
314.030.085.009	84.9	105.1	30	CC**09T3**	305.050.067.080
314.030.067.009	86.9	116.1	30	CC**09T3**	305.064.087.100
314.030.085.009	104.9	134.1	30	CC**09T3**	305.064.087.100
314.030.067.009	115.9	153.1	30	CC**09T3**	305.090.116.130
314.030.085.009	133.9	171.1	30	CC**09T3**	305.090.116.130
314.726.003.009	153.9	191.1	30	CC**09T3**	305.090.116.130

SPARE PARTS



Designation	Clamping screw ①	Wrench ②
314.***.***006	CSTB-2.5S	T-8F
314.***.***009	CSTB-4S	T-15F



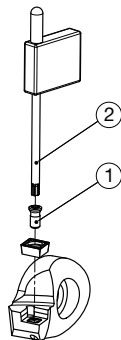


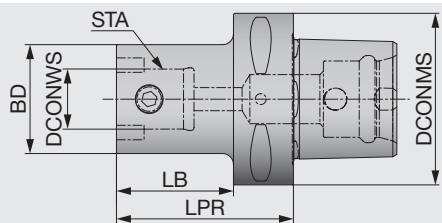
Metric	DCN	DCX	DCONMS	Insert	Boring head
314.011.024.007	23.9	31.1	11	TP**0701**	305.020.024.035
314.011.030.007	29.9	37.1	11	TP**0701**	305.020.024.035
314.013.031.007	30.9	40.1	13	TP**0701**	305.025.031.040
314.013.038.007	37.9	47.1	13	TP**0701**	305.025.031.040
314.017.040.007	39.9	51.1	17	TP**0701**	305.032.040.047
314.017.048.007	47.9	59.1	17	TP**0701**	305.032.040.047
314.022.051.007	50.9	67.1	22	TP**0701**	305.039.051.057
314.022.065.007	64.9	81.1	22	TP**0701**	305.039.051.057
314.030.067.011	66.9	87.1	30	TP**1102**	305.050.067.080
314.030.085.011	84.9	105.1	30	TP**1102**	305.050.067.080
314.030.067.011	86.9	116.1	30	TP**1102**	305.064.087.100
314.030.085.011	104.9	134.1	30	TP**1102**	305.064.087.100
314.030.067.011	115.9	153.1	30	TP**1102**	305.090.116.130
314.030.085.011	133.9	171.1	30	TP**1102**	305.090.116.130
314.726.003.011	153.9	191.1	30	TP**1102**	305.090.116.130

SPARE PARTS



Designation	Clamping screw ①	Wrench ②
314.***.***007	CSTB-2.2L038	T-7F
314.***.***011	CSTB-2.5S	T-8F

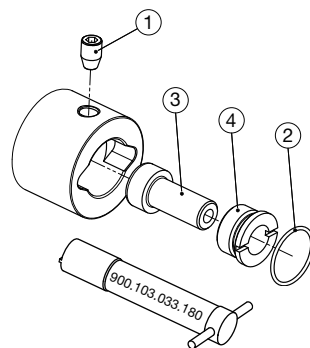


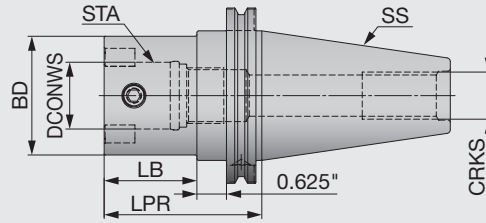


Inch	DCONMS	STA	BD	DCONWS	LPR	LB
154.806.020.065	2.480	ST1	0.787	0.433	2.559	1.693
154.806.025.065	2.480	ST2	0.984	0.551	2.559	1.693
154.806.032.065	2.480	ST3	1.260	0.709	2.559	1.693
154.806.039.058	2.480	ST4	1.535	0.866	2.283	1.417
154.806.050.048	2.480	ST5	1.969	1.102	1.890	1.024
154.806.064.059	2.480	ST6	2.520	1.417	2.323	1.457
154.806.064.094	2.480	ST6+	2.520	1.417	3.701	2.835

SPARE PARTS

Clamping size	Clamping screw ①	O-ring ②	Tension screw ③	Threaded ring ④
ST1	900.100.004.005	900.101.008.002	-	-
ST2	900.100.005.006	900.101.011.002	-	-
ST3	900.100.006.008	900.101.015.002	-	-
ST4	900.100.008.011	900.101.019.002	-	-
ST5	900.100.010.012	900.101.025.002	-	-
ST6	900.100.012.018	900.101.032.002	-	-
ST6+	900.100.012.018	900.101.032.002	900.102.018.040	900.103.030.020



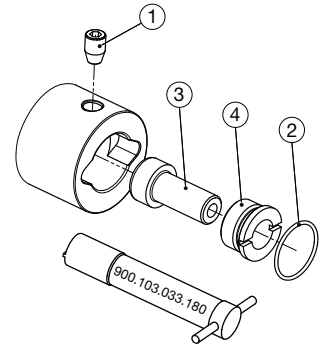


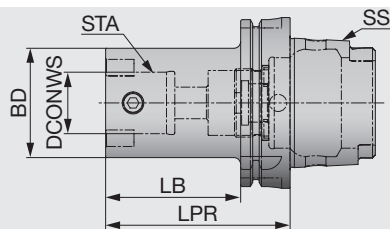
Inch	SS	STA	BD	DCONWS	LPR	LB	CRKS
104.340.020.051	CAT40	ST1	0.787	0.433	2.008	0.630	5/8"-11
104.340.025.056	CAT40	ST2	0.984	0.551	2.205	0.827	5/8"-11
104.340.032.056	CAT40	ST3	1.260	0.709	2.205	0.827	5/8"-11
104.340.039.059	CAT40	ST4	1.535	0.866	2.323	0.945	5/8"-11
104.340.050.059	CAT40	ST5	1.969	1.102	2.323	0.945	5/8"-11
104.340.064.075	CAT40	ST6+	2.520	1.417	2.953	1.575	5/8"-11
104.350.020.061	CAT50	ST1	0.787	0.433	2.402	1.024	1"-8
104.350.025.066	CAT50	ST2	0.984	0.551	2.598	1.220	1"-8
104.350.032.066	CAT50	ST3	1.260	0.709	2.598	1.220	1"-8
104.350.039.069	CAT50	ST4	1.535	0.866	2.717	1.339	1"-8
104.350.050.069	CAT50	ST5	1.969	1.102	2.717	1.339	1"-8
104.350.064.085	CAT50	ST6+	2.520	1.417	3.346	1.969	1"-8
104.350.090.085	CAT50	ST7+	3.543	1.811	3.346	1.969	1"-8

SPARE PARTS



Clamping size	Clamping screw ①	O-ring ②	Tension screw ③	Threaded ring ④
ST1	900.100.004.005	900.101.008.002	-	-
ST2	900.100.005.006	900.101.011.002	-	-
ST3	900.100.006.008	900.101.015.002	-	-
ST4	900.100.008.011	900.101.019.002	-	-
ST5	900.100.010.012	900.101.025.002	-	-
ST6	900.100.012.018	900.101.032.002	-	-
ST6+	900.100.012.018	900.101.032.002	900.102.018.040	900.103.030.020
ST7+	900.100.020.029	900.101.043.002	900.102.024.045	900.103.040.020



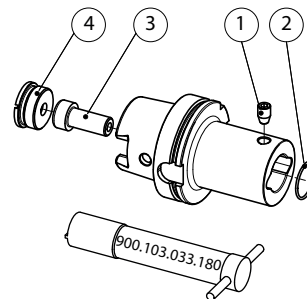


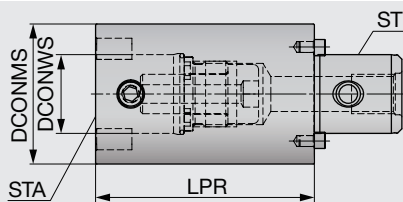
Inch	SS	STA	BD	DCONWS	LPR	LB
144.806.020.042	HSK A 63	ST1	0.787	0.433	1.654	0.630
144.806.025.042	HSK A 63	ST2	0.984	0.551	1.654	0.630
144.806.032.044	HSK A 63	ST3	1.260	0.709	1.732	0.709
144.806.039.048	HSK A 63	ST4	1.535	0.866	1.890	0.866
144.806.050.059	HSK A 63	ST5	1.969	1.102	2.323	1.299
144.806.064.070	HSK A 63	ST6	2.520	1.417	2.756	1.732
144.806.064.100	HSK A 63	ST6+	2.520	1.417	3.937	2.913
144.810.020.055	HSK A 100	ST1	0.787	0.433	2.165	1.024
144.810.025.055	HSK A 100	ST2	0.984	0.551	2.165	1.024
144.810.032.057	HSK A 100	ST3	1.260	0.709	2.244	1.102
144.810.039.061	HSK A 100	ST4	1.535	0.866	2.402	1.260
144.810.050.072	HSK A 100	ST5	1.969	1.102	2.835	1.693
144.810.064.078	HSK A 100	ST6	2.520	1.417	3.071	1.929
144.810.064.108	HSK A 100	ST6+	2.520	1.417	4.252	3.110
144.810.090.127	HSK A 100	ST7+	3.543	1.811	5.000	3.858

Option : Tension screw & Threading ring of ST+ type

SPARE PARTS

Clamping size	Clamping screw ①	O-ring ②	Tension screw ③	Threaded ring ④
ST1	900.100.004.005	900.101.008.002	-	-
ST2	900.100.005.006	900.101.011.002	-	-
ST3	900.100.006.008	900.101.015.002	-	-
ST4	900.100.008.011	900.101.019.002	-	-
ST5	900.100.010.012	900.101.025.002	-	-
ST6	900.100.012.018	900.101.032.002	-	-
ST6+	900.100.012.018	900.101.032.002	900.102.018.040	-
ST7+	900.100.020.029	900.101.043.002	900.102.024.045	-
HSK A 63	-	-	-	900.104.030.014
HSK A 100	-	-	-	900.104.040.020





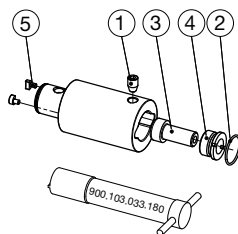
Metric	ST	STA	DCONMS	DCONWS	LPR
164.020.020.020	ST1	ST1	20	11	20
164.020.020.030	ST1	ST1	20	11	30
164.025.025.030	ST2	ST2	25	14	30
164.025.025.045	ST2	ST2	25	14	45
164.032.032.030	ST3	ST3	32	18	30
164.032.032.045	ST3	ST3	32	18	45
164.039.039.040	ST4	ST4	39	22	40
164.039.039.060	ST4	ST4	39	22	60
164.050.050.060	ST5	ST5	50	28	60
164.050.050.090	ST5	ST5	50	28	90
164.064.064.060	ST6+	ST6+	64	36	60
164.064.064.100	ST6+	ST6+	64	36	100
164.090.090.100	ST7+	ST7+	90	46	100
164.090.090.160	ST7+	ST7+	90	46	160

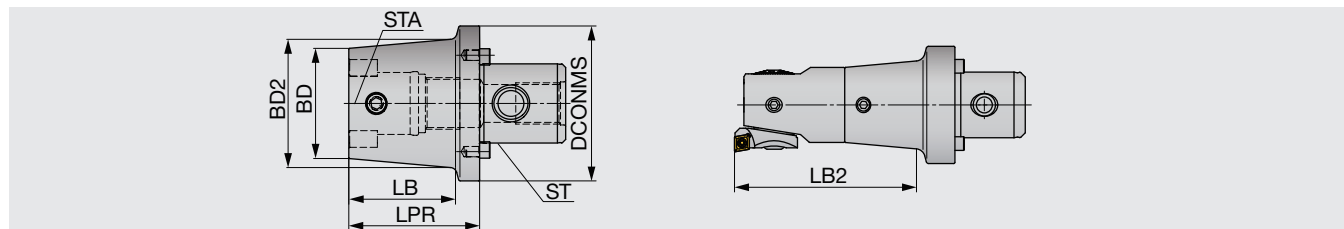
Option : Tension screw & Threading ring of ST+ type

SPARE PARTS



Clamping size	Clamping screw ①	O-ring ②	Tension screw ③	Threaded ring ④	Drive pin ⑤
ST1	900.100.004.005	900.101.008.002	-	-	900.102.020.000
ST2	900.100.005.006	900.101.011.002	-	-	900.102.025.000
ST3	900.100.006.008	900.101.015.002	-	-	900.102.032.000
ST4	900.100.008.011	900.101.019.002	-	-	900.102.039.000
ST5	900.100.010.012	900.101.025.002	-	-	900.102.050.000
ST6	900.100.012.018	900.101.032.002	-	-	900.102.064.000
ST6+	900.100.012.018	900.101.032.002	900.102.018.040	900.103.030.020	900.102.064.000
ST7+	900.100.020.029	900.101.043.002	900.102.024.045	900.103.040.020	900.102.090.000





Metric	ST	STA	DCONMS	BD	BD2	LPR	LB	LB2
184.025.020.036	ST2	ST1	25	20	23	36	25	60.5
184.032.025.034	ST3	ST2	32	25	29	34.5	20	60
184.039.032.047	ST4	ST3	39	32	38	47	35	82
184.050.039.040	ST5	ST4	50	39	48	40	25.5	82.5
184.064.050.039	ST6+	ST5	64	50	60	39	24	104

LB2 : Max boring depth with twin cutter or fine boring head
Option : Tension screw & Threading ring of ST+ type

SPARE PARTS

Clamping size	Clamping screw ①	O-ring ②	Tension screw ③	Threaded ring ④	Drive pin ⑤
ST1	900.100.004.005	900.101.008.002	-	-	900.102.020.000
ST2	900.100.005.006	900.101.011.002	-	-	900.102.025.000
ST3	900.100.006.008	900.101.015.002	-	-	900.102.032.000
ST4	900.100.008.011	900.101.019.002	-	-	900.102.039.000
ST5	900.100.010.012	900.101.025.002	-	-	900.102.050.000
ST6	900.100.012.018	900.101.032.002	-	-	900.102.064.000
ST6+	900.100.012.018	900.101.032.002	900.102.018.040	900.103.030.020	900.102.090.000

