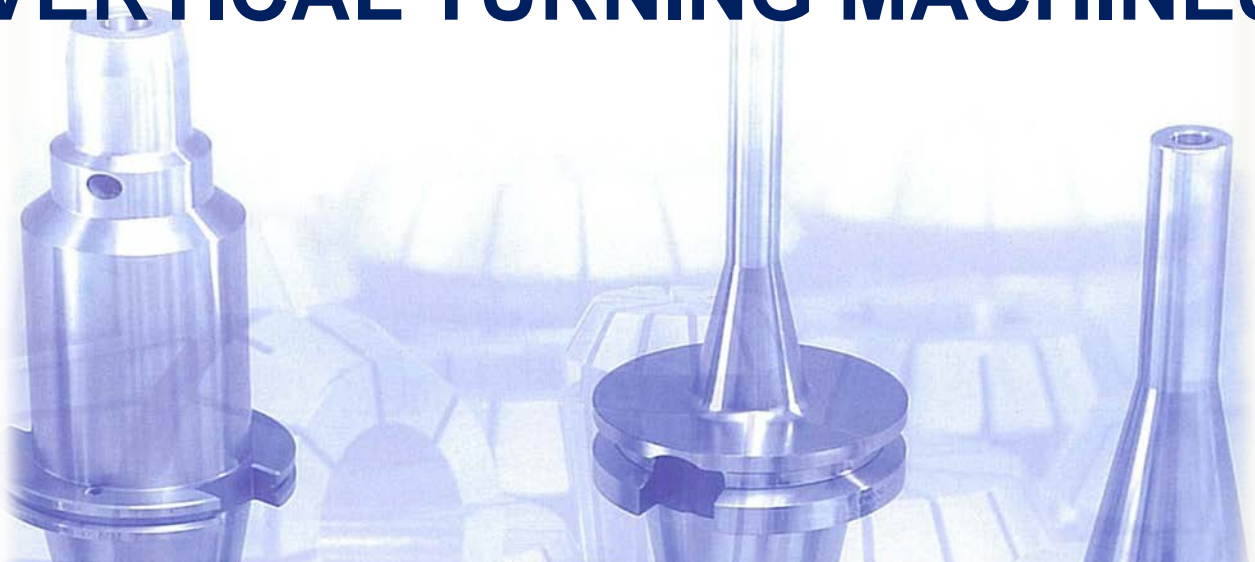


COVENTRY
TOOLHOLDERS
TOTAL TOOLING SOLUTIONS

TOOLHOLDING SYSTEMS FOR VERTICAL TURNING MACHINES



COVENTRY ENGINEERING GROUP



COVENTRY
ENGINEERING
GROUP

Coventry Toolholders Ltd, Units 7, 9&11 Paragon Way, Coventry CV7 9QS
T: +44 (0) 24 7664 5999 F +44 (0) 24 7664 4081
E: info@coventrytoolholders.com W: www.coveng.co.uk

Welcome to Coventry Toolholders

We supply a complete range of standard and bespoke tooling systems to cater for all your toolholding requirements



- Standard Products
- Special Products
- Complete – Consultancy, Design and Manufacturing service on site at Coventry

CONTACT DETAILS

Phone +44 (0) 2476 645999

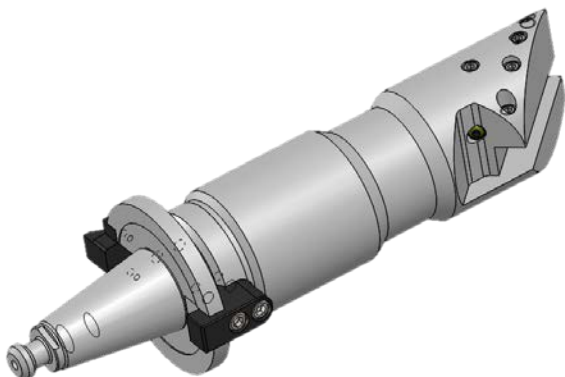
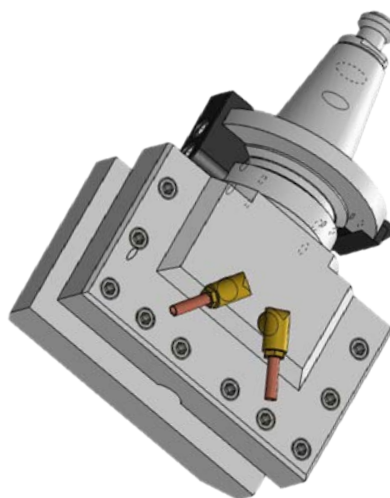
Fax +44 (0) 2476 644081

E-Mail info@coventrytoolholders.com

Web www.coveng.co.uk



TOOLHOLDING SYSTEMS FOR VERTICAL TURNING MACHINES



TOOLHOLDING SYSTEMS FOR VERTICAL TURNING MACHINES FOR MACHINES WITH STATIC AND ROTATING SPINDLES.

The Coventry Engineering Group offer a complete range of standard and bespoke toolholding systems specifically engineered for your Vertical Turning machine. Design, manufacture and support is centred in our Coventry facility utilising modern CAD/CAM, CNC machining and CNC grinding facilities.

Modular Type



Static Type



- Standard Turning and Boring Toolholders
- Bespoke Turning and Boring Toolholders
- Modular Turning and Boring Toolholders
- Driven Angle Heads
- Face and Taper Contact
- Rotating Toolholders



Driven Heads

INDEX TO SECTIONS

Section 1 - Taper Recognition

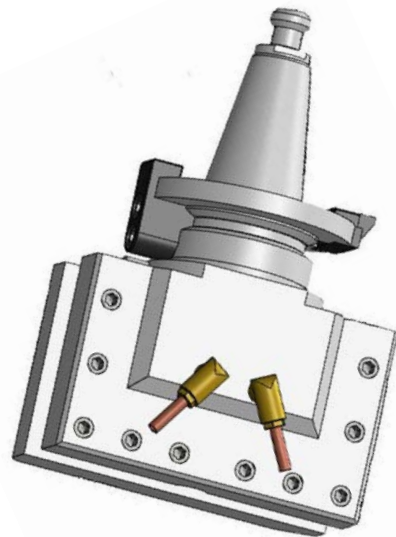
Section 2 - Tools for boring and Turning Operations

Section 3 - Modular systems for Capto®, KM®, HSK

Section 4 - Driven Angle Heads

Section 5 - Options

Section 6 - Standard Taper Toolholders

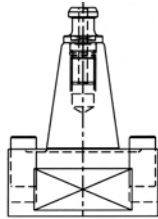


TOOLHOLDING SYSTEMS FOR VERTICAL TURNING MACHINES

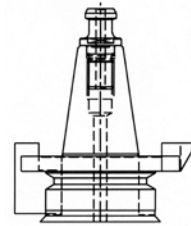
FOR MACHINES WITH STATIC AND ROTATING SPINDLES.

GUIDE TO MACHINE AND TAPER IDENTIFICATION .

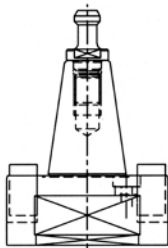
**Toshiba
AT**



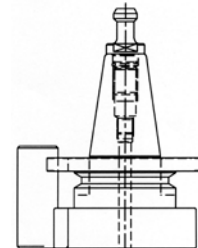
**Toshiba
AT+C**



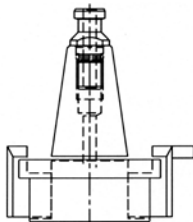
**You-Ji
AT**



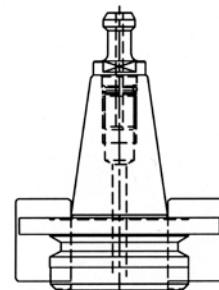
**You-Ji
AT+C**



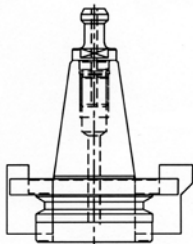
**Hankook
AT+C**



**Yu-Shine
AT**



**Massa
AT**

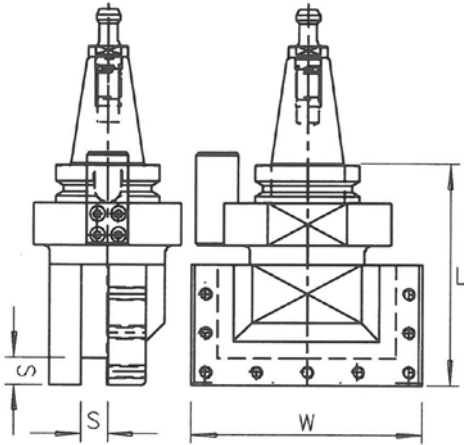


AT – non rotating spindle
 AT+C – Rotating Spindle

**NOTE – THE ABOVE IS FOR QUOTATION AND GUIDANCE PURPOSES ONLY.
 FULL MACHINE DETAILS WILL BE CONFIRMED AT THE DESIGN STAGE**

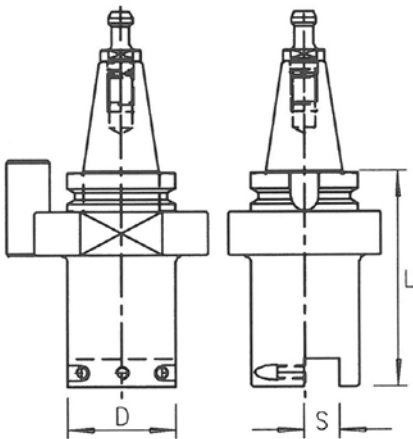
TOOLHOLDING SYSTEMS FOR VERTICAL TURNING MACHINES

FOR MACHINES WITH STATIC AND ROTATING SPINDLES.



Item	Gauge (L mm)	Tool Shank (S)	Tool Width (W mm)
50-SQB-32-210	210	32	220
50-SQB-40-210	210	40	220
50-SQB-40-260	260	40	220

PULL STUD INCLUDED
 THROUGH CENTRE COOLANT FEATURE
 EXTERNAL COOLANT NOZZLES
 FOR NORMAL COOLANT FEED PRESSURE
 PLEASE CONTACT US FOR HIGH PRESSURE APPLICATIONS

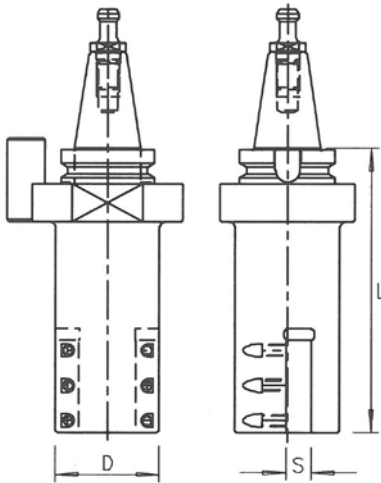


Item	Gauge (L mm)	Tool Shank (S)	Tool Dia (D mm)
50-BBH-25-200	200	25	100
50-BBH-25-300	300	25	110
50-BBH-25-400	400	25	110

PULL STUD INCLUDED
 THROUGH CENTRE COOLANT FEATURE
 EXTERNAL COOLANT NOZZLES
 SPECIFY CLOCKWISE OR ANTI CLOCKWISE CUTTING
 FOR NORMAL COOLANT FEED PRESSURE
 PLEASE CONTACT US FOR HIGH PRESSURE APPLICATIONS

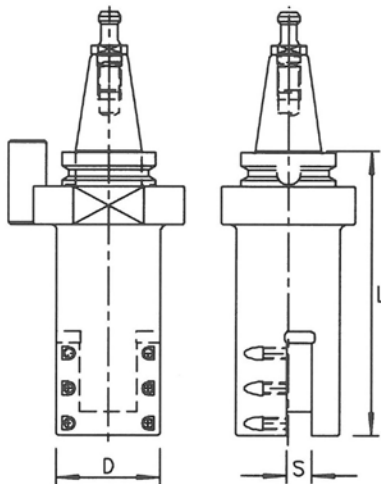
TOOLHOLDING SYSTEMS FOR VERTICAL TURNING MACHINES

FOR MACHINES WITH STATIC AND ROTATING SPINDLES.



Item	Gauge (L mm)	Tool Shank (S)	Tool Dia (D mm)
50-BBT-25-200	200	25	100
50-BBT-25-300	300	25	110
50-BBT-25-400	400	25	110

PULL STUD INCLUDED
 THROUGH CENTRE COOLANT FEATURE
 EXTERNAL COOLANT NOZZLES
 FOR NORMAL COOLANT FEED PRESSURE
 PLEASE CONTACT US FOR HIGH PRESSURE APPLICATIONS

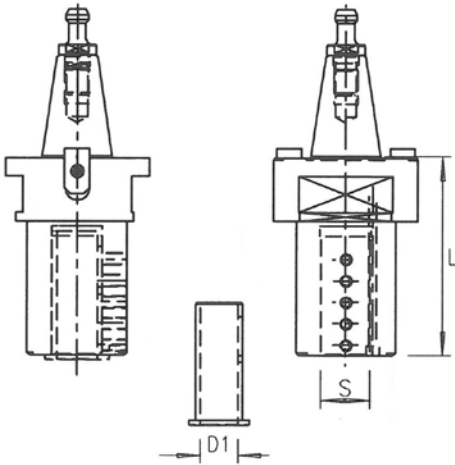


Item	Gauge (L mm)	Tool Shank (S)	Tool Dia (D mm)
50-BHT-25-200	200	25	100
50-BHT-25-300	300	25	110
50-BHT-25-400	400	25	110

PULL STUD INCLUDED
 THROUGH CENTRE COOLANT FEATURE
 EXTERNAL COOLANT NOZZLES
 SPECIFY CLOCKWISE OR ANTI CLOCKWISE CUTTING
 FOR NORMAL COOLANT FEED PRESSURE
 PLEASE CONTACT US FOR HIGH PRESSURE APPLICATIONS

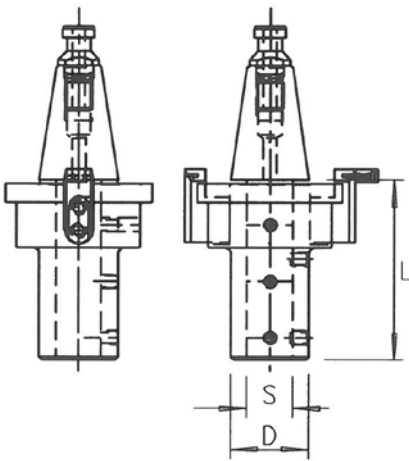
TOOLHOLDING SYSTEMS FOR VERTICAL TURNING MACHINES

FOR MACHINES WITH STATIC AND ROTATING SPINDLES.



Item	Gauge (L mm)	Tool Shank (S)
50-BBS-50-154	154	50
50-BBS-50-200	200	50
REDUCING BUSH	Bore Sizes D1 = 40, 32, 25, 20, 16, 12	

PULL STUD INCLUDED
 THROUGH CENTRE COOLANT FEATURE
 EXTERNAL COOLANT NOZZLES
 FOR NORMAL COOLANT FEED PRESSURE
 PLEASE CONTACT US FOR HIGH PRESSURE APPLICATIONS



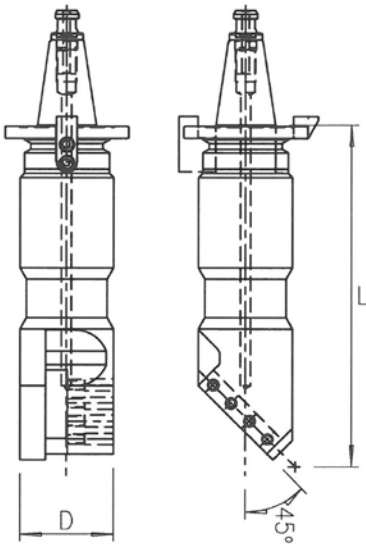
BORING BAR HOLDER

Item	Gauge (L mm)	Tool Shank (S)	Tool Dia (D mm)
50-BB-25-150	150	25	50
50-BB-25-300	300	25	50
50-BB-32-180	180	32	62
50-BB-32-300	300	32	62
50-BB-40-200	200	40	70
50-BB-50-250	250	50	80
50-BB-60-280	280	60	98

PULL STUD INCLUDED
 THROUGH CENTRE COOLANT FEATURE
 FOR NORMAL COOLANT FEED PRESSURE
 PLEASE CONTACT US FOR HIGH PRESSURE APPLICATIONS

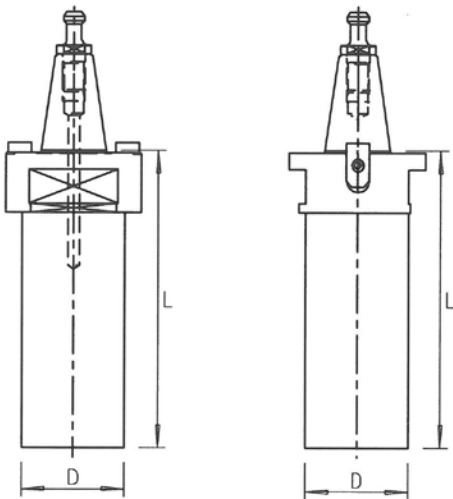
TOOLHOLDING SYSTEMS FOR VERTICAL TURNING MACHINES

FOR MACHINES WITH STATIC AND ROTATING SPINDLES.



Item	Gauge (L mm)	Tool Dia (D mm)
50-BB45-100-150	150	120
50-BB45-110-315	315	120
50-BB45-110-400	400	116

PULL STUD INCLUDED
 THROUGH CENTRE COOLANT FEATURE
 EXTERNAL COOLANT NOZZLES
 FOR NORMAL COOLANT FEED PRESSURE
 PLEASE CONTACT US FOR HIGH PRESSURE APPLICATIONS

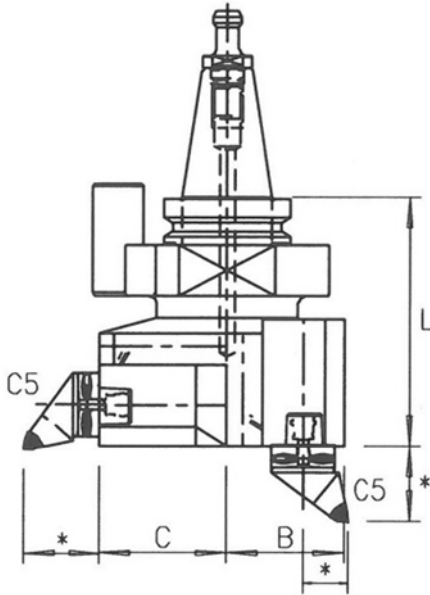


Item	Gauge (L mm)	Tool Dia (D mm)
50-BB-100-150	200	110
50-BB-110-315	300	110
50-BB-110-400	400	110

PULL STUD INCLUDED
 FRONT IS LEFT SOFT FOR CUSTOMER SPECIFIC APPLICATIONS

TOOLHOLDING SYSTEMS FOR VERTICAL TURNING MACHINES

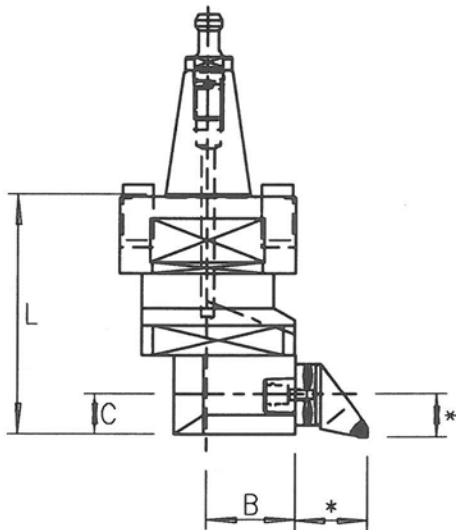
FOR MACHINES WITH STATIC AND ROTATING SPINDLES.
 MODULAR TYPE FOR CAPTO SYSTEMS (KM and HSK also available)



Item	Gauge (L mm)	Capto Fitting	B (mm)	C (mm)
BT50-C5-196XR	196	C5	92	100
BT50-C6-218XR	218	C6	102	122
BT50-C8-242XR	242	C8	128	146

PULL STUD INCLUDED
 THROUGH CENTRE COOLANT FEATURE
 NO EXTERNAL COOLANT NOZZLES
 PULL BACK MECHANISM INCLUDED IN CAPTO ADAPTER

- DIMENSION DEPENDENT ON CAPTO TOOL TYPE
 SPECIFY CLOCKWISE OR ANTI CLOCKWISE CUTTING
 FOR NORMAL COOLANT FEED PRESSURE
 PLEASE CONTACT US FOR HIGH PRESSURE APPLICATIONS



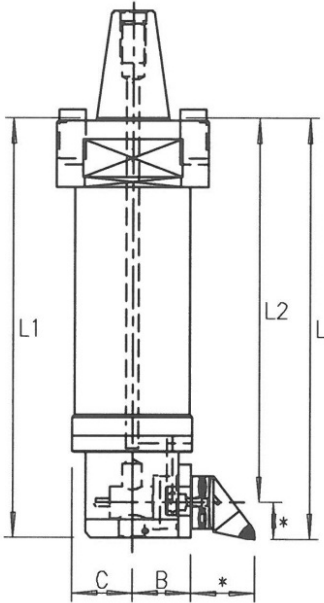
Item	Gauge (L mm)	Capto Fitting	B (mm)	C (mm)
BT50-C5-196LR	196	C5	100.5	32
BT50-C6-216LR	216	C6	122	42
BT50-C8-232LR	232	C8	146	50

PULL STUD INCLUDED
 THROUGH CENTRE COOLANT FEATURE
 NO EXTERNAL COOLANT NOZZLES
 PULL BACK MECHANISM INCLUDED IN CAPTO ADAPTER

- DIMENSION DEPENDENT ON CAPTO TOOL TYPE
 SPECIFY CLOCKWISE OR ANTI CLOCKWISE CUTTING
 FOR NORMAL COOLANT FEED PRESSURE
 PLEASE CONTACT US FOR HIGH PRESSURE APPLICATIONS

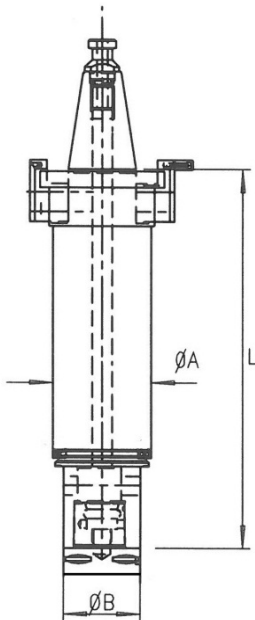
TOOLHOLDING SYSTEMS FOR VERTICAL TURNING MACHINES

FOR MACHINES WITH STATIC AND ROTATING SPINDLES.
 MODULAR TYPE FOR CAPTO SYSTEMS (KM and HSK also available)



Item	Length (L1 mm)	Capto Fitting	B (mm)	C (mm)
BT50-C5-400XR	400	C5	57	57

PULL STUD INCLUDED
 THROUGH CENTRE COOLANT FEATURE
 NO EXTERNAL COOLANT NOZZLES
 PULL BACK MECHANISM INCLUDED IN CAPTO ADAPTER
 • DIMENSION DEPENDENT ON CAPTO TOOL TYPE
 SPECIFY CLOCKWISE OR ANTI CLOCKWISE CUTTING
 FOR NORMAL COOLANT FEED PRESSURE
 PLEASE CONTACT US FOR HIGH PRESSURE APPLICATIONS



Item	Gauge (L mm)	Capto Fitting	A (mm)	B (mm)
BT50-C8-400XR	400	C8	103	80

PULL STUD INCLUDED
 THROUGH CENTRE COOLANT FEATURE
 NO EXTERNAL COOLANT NOZZLES
 ONE CLAMPING ADAPTER INCLUDED FOR C8 TOOL
 SPECIFY CLOCKWISE OR ANTI CLOCKWISE CUTTING
 FOR NORMAL COOLANT FEED PRESSURE
 PLEASE CONTACT US FOR HIGH PRESSURE APPLICATIONS

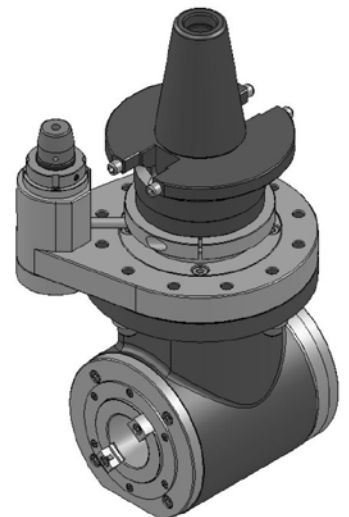
TOOLHOLDING SYSTEMS FOR VERTICAL TURNING MACHINES

**DRIVEN ANGLE HEADS FOR
VERTICAL TURNING LATHES:**

Eliminates the time and cost of taking components off the machine for second operation work.



- 40ISO, 50ISO or Capto/EPS, KM Output
- Various length options
- Both 90 degree and adjustable angle available.
- Custom fit to machine spindle
- Cowl mount for rigidity
- Auto tool change capability
- Through Coolant option



Full details and technical specifications available on request

TOOLHOLDING SYSTEMS FOR VERTICAL TURNING MACHINES

OPTIONAL FEATURES FOR MACHINES WITH STATIC AND ROTATING SPINDLES.

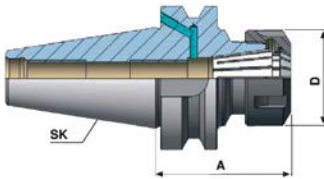
ADDITIONAL OPTIONAL FEATURES

FACE AND TAPER CONTACT	FLANGE FACE GROUND TO GIVE CONTACT WITH THE SPINDLE FACE. PROVIDES ADDITIONAL SUPPORT DURING MACHINING OPERATIONS
HIGH PRESSURE COOLANT	CHANGE ALL COOLANT NOZZLES TO SUIT HIGH PRESSURE COOLANT. NOTE VARIOUS TYPES OF NOZZLE CAN BE SUPPLIED TO GIVE EXTENDED REACH AND ADJUSTABLE COOLANT DIRECTION.

TOTAL TOOLING SOLUTIONS

A comprehensive range of both standard (from stock) and special rotating toolholders are available, along with associated accessories. An extract from the range is detailed below.

ER – DIN6499 Collet Chucks



ER RANGE	ER16,25,32,40
Clamping Diameters	From 1mm to 26mm
Gauge Lengths (A)	From 70, 100, 160, 200mm as standard
Coolant	Available with through coolant. Sealed collet systems available
Specials	Available on Request

ER – DIN6499 Collets



ER RANGE	ER16,25,32,40
Accuracy	Available as Precision (.010mm) or High Precision (.005mm)
Systems	<ul style="list-style-type: none"> • Standard • Tapping Collet • Tension Tapping Collet • Sealed or Jet

ER Collet Tool Extensions

ER Series

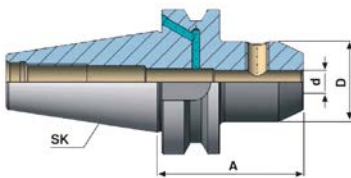


MINI ER Series



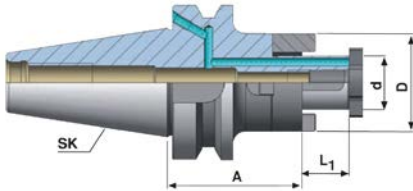
ER RANGE	ER16,25,32,40 and MINI series ER11,16,25
Clamping Diameters	From 1mm to 26mm
Overall Lengths	From 70 - 200mm as standard

End Mill (Weldon) Toolholders



Bore Range (Dia.)	6,8,10,12,14,16,18,20, 25,32,40mm
Gauge Lengths (A)	63 - 200mm as standard
Coolant	Available with through coolant and front coolant channels
Specials	Available on Request

**Face Mill, Shell Mill and Combi
 Shell Mill Toolholders**



Spigot Range (d)	22,27,32,40,60mm (40 and 60mm are bolt on type)
Gauge Lengths (A)	55 - 200mm as standard
Coolant	Available with through coolant with optional coolant type clamp screws
Specials	Available on Request



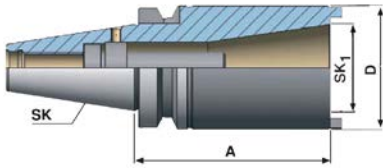
Through Coolant
 Type Clamp screw

Pull Studs / Retention Knobs



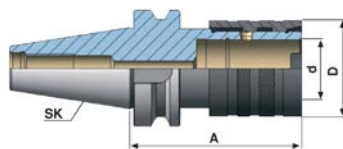
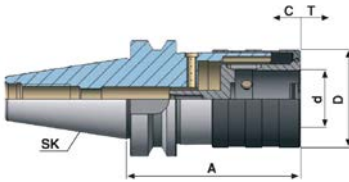
Range	<ul style="list-style-type: none"> • Solid • Through Coolant • Metric or Imperial • Special Sizes
-------	---

Taper Extensions and Reducers



50 Taper	50 – 50 Extensions A = 120 50 – 40 Reducers A = 70
----------	---

Tapping Toolholders – Quick Change



Range	Size 1 – M3-M14 Size 2 – M5-M22 Size 3 – M14-M36
Type	Both Solid Type and Tension and Compression
	Adapters for both DIN and ISO Tap sizes available. Contact us for larger tapping sizes.

Solid Type

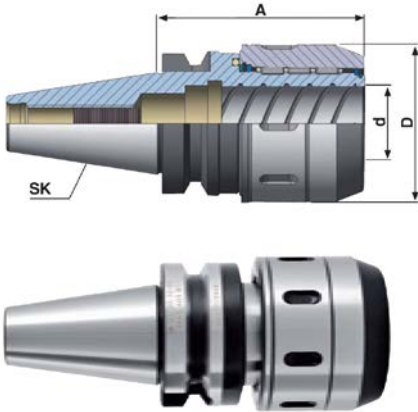


Clutch Type



Quick Change Tap Adapters

High Grip Milling Chucks



Bore Sizes	32mm and 20mm
Type	High Grip roller bearing type clamping
Reducing Sleeves	32 to 25,20,16,12,10,8,6 20 to 16,12,10,8,6

Reducing Sleeves



Sets also available



**FOR ALL YOUR STANDARD AND SPECIAL
 TOOLHOLDER REQUIREMENTS**

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Fax - +44 (0)2476 644081

E-Mail – info@coventrytoolholders.com

See us on Facebook and Twitter

COVENTRY ENGINEERING GROUP

COVENTRY TOOLHOLDERS

**COVENTRY
TOOLHOLDERS** PRECISION TOOLHOLDING SYSTEMS.
A COMPLETE PRODUCT RANGE FROM
A SINGLE SOURCE



HSK
Sizes from HSK32 to HSK100
Forms A to F
Standards and Specials



STEEP TAPER
M45403 BT, DIN49871 DV
CV - CAT ANSI - ISO
Metric and Imperial available



STRAIGHT SHANK
Cylindrical shaft to:
ER - Standard and Mini
DA - Standard, Slim, and Mini
TG - Full range



SPECIAL TOOLHOLDERS
A complete service: Technical
Advice - Design - Manufacture
- Test. All on one site.



STANDARD HYDRAULIC
Full range of bore sizes on a
range of tapers.
Hydraulic system uses patented
gel technology



SPECIAL HYDRAULIC
A wide variety of designed
to suit both toolholding and
workholding applications



HEAT SHRINK
Full range of Toolholders, Heat
Shrink Units and Accessories -
Special and extended length
toolholders available.



OTHER TOOLHOLDERS
Rotary Coolant Adapters
- achieve through coolant
supply. Pull Studs - full range
available. Spanners / Wipers



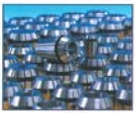
VDI STATIC TOOLING
Range of static VDI tooling
Range covers VDI 16mm to
VDI 80 shank sizes.



VDI DRIVEN TOOLING
Designed to suit a range of
turret configurations.
Standard In-Line and Angle
types along with special designs.



EASY CHANGE
Quick Change toolholding
system for Manual Machines.
Achieve tool change in 3
seconds



COLLETS
ER - Standard and High
Precision, also rigid and tension
tapping collets.
DA - Standard range and Mini
TG - Full range of collets.



TURN - MILL TOOLING
A range of standard
toolholders designed for
integrated turn / milling
machines



TURN - MILL TOOLING
A range of custom designs for
high precision and heavy duty
cutting requirements.



VERTICAL TURNING - SPECIAL
Specially designed tools for
custom applications. Tools
shown have Capto® adapters
for quick change tooling



**VERTICAL TURNING -
STANDARD**
Square block and boring bar
type holders for large capacity
vertical turning machines.

CENTRELINE

CENTRELINE DRIVEN TOOLHOLDING SYSTEMS.
A COMPLETE PRODUCT RANGE FROM
A SINGLE SOURCE

STANDARD APPLICATIONS



RIGHT ANGLE HEADS
To suit any type of machine



FIXED ANGLE HEADS
The rigid answer to
complex angles



UNIVERSAL ANGLE HEADS
Ultimate flexibility



SPEED INCREASERS
Allows the ultimate feedrate



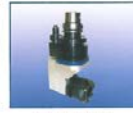
ROTARY COOLANT ADAPTERS
For all types of machine tool



ATC MULTIHEADS
For drilling, tapping, reaming etc.



'CENTINEL' ADJUSTABLE
Multi-drilling &
tapping heads



'SET BACK' HEAD
Limited space applications

SPECIAL APPLICATIONS



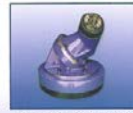
VERTICAL BORING HEADS
A hydraulically operated A.T.C.
900 unit to accept
Cormant Capto® Tooling



SPECIAL DRIVEN TOOLS
For all types of turning centres



**SPECIAL & EXTENDED
APPLICATIONS**
To suit any type of
prismatic machine



UNIVERSAL ANGLE HEADS
Universal heads can be
designed to suit all
types of machine



TITAN STEEL WHEEL
3 off 120° angle drives of 90°
to the machine axis



**EXTENDED REACH FOR
SMALL BORES**
A solution for small diameter
deep milling applications



BESPOKE APPLICATIONS
For confined
machining conditions



STANDARD UNITS
Special interfaces to
customary machine tools

COVENTRY ENGINEERING SERVICES

Equipped to offer "turnkey" manufacturing solutions with 2D & 3D design and a full range of specialised precision machining services.



**COVENTRY
ENGINEERING
GROUP**

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E: info@coventrytoolholders.com W: www.coveng.co.uk

COVENTRY TOOLHOLDERS

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Exhall, Coventry, CV7 9QS

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Fax +44 (0) 2476 644081

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Web www.coveng.co.uk



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ENGINEERING SERVICES

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TOOLHOLDERS

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PM 569421

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