



Coolant Nozzles & CNC Machine Accessories

WWW.WINITTOOL.COM



2014-2015
Catalog



ABOUT WINIT TOOL...

WINIT TOOL A MANUFACTURE OF COOLANT NOZZLES ,WORKHOLDING DEVICES AND RELATED PRODUCTS FOR USE ON CNC LATHES, MACHINING CENTERS, GRINDERS, SCREW MACHINES, MANUAL MILLS AND ASSORTED PRODUCTION EQUIPMENT.

WINIT TOOL IS CONTINUALLY LISTENING TO AND WORKING WITH CUSTOMERS TO FIND SOLUTIONS TO THEIR MANUFACTURING PROBLEMS.

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ACCESSORIES

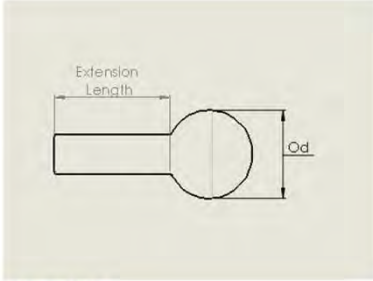
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CITIZEN ACCESSORIES

BAR CHAMFER TOOL/ BAR LOADER COLLETS

DISCOVER WINIT TOOL, THE RIGHT PARTNER, WHO JUST LIKE YOU,
IS IN IT TO WINIT.

ECO-JET LOW COST LOCK-SCREW COOLANT NOZZLES



Eco-Jets

Part Number	OD	Extension Length
ECO10750	10mm	.75"
ECO10125	10mm	1.25"
ECO10175	10mm	1.75"
ECO11750	11mm	.75"
ECO11125	11mm	1.25"
ECO11175	11mm	1.75"
ECO12750	12mm	.75"
ECO12125	12mm	1.25"
ECO12175	12mm	1.75"
ECO14750	14mm	.75"
ECO14125	14mm	1.25"
ECO15750	14mm	1.75"
ECO15125	15mm	.75"
ECO15125	15mm	1.25"
ECO15175	15mm	1.75"
ECO20750	20mm	.75"
ECO20125	20mm	1.25"
ECO20175	20mm	1.75"
ECO38750	3/8"	.75"
ECO38125	3/8"	1.25"
ECO38175	3/8"	1.75"
ECO50750	1/2"	.75"
ECO50125	1/2"	1.25"
ECO50175	1/2"	1.75"
ECO63750	5/8"	.75"
ECO63125	5/8"	1.25"
ECO63175	5/8"	1.75"
ECO56750	9/16"	.75"
ECO56125	9/16"	1.25"
ECO56175	9/16"	1.75"



**ADJUSTABLE COOLANT NOZZLES
FOR SCREW-LOCK STYLE
TOOL HOLDERS**

**LOW COST FIXED NOZZLE LENGTH
MADE FROM DURABLE ACETAL
PLASTIC CAPABLE OF STANDING
UP TO A RIGOROUS MACHINING
ENVIRONMENT.**

**RATED TO 300PSI
SIZES TO FIT MOST CONFIGURATIONS**

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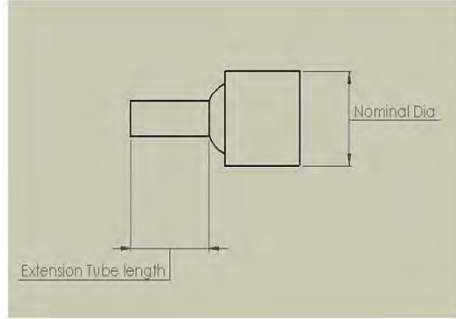


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FLUSH-JET PRESS IN COOLANT NOZZLES

WITH TAPPED HOLE



Flush Jet Press in

Part Number	Press in hole		
	size	ID	Thread Size
FJ12P	12mm	Tapped	M5X.8
FJ12B	12mm	Tapped	M5X.8
FJ13P	13mm	Tapped	M5X.8
FJ13B	13mm	Tapped	M5X.8
FJ14B	14mm	Tapped	M5X.8
FJ15P	15mm	Tapped	M5X.8
FJ16B	16mm	Tapped	M5X.8
FJ16P	16mm	Tapped	M5X.8
FJ438B	7/16"	Tapped	M5X.8
FJ500G	1/2"	Tapped	M5X.8
FJ500B	1/2"	Tapped	M5X.8

MAX OPERATING PRESSURE-150PSI

MAX OPERATING TEMPERATURE-160F

EASY INSTALLATION SIMPLY DRILL,
REAM AND PRESS IN
COOLANT NOZZLE

IDEAL FOR CUSTOM TOOL HOLDERS
OR ADDING EXTRA
COOLANT PORTS.

COOLANT BALLS ARE TAPPED FOR
USE WITH AN EXTENSION
TUBE OR PLUG WITH A
SET SCREW

EACH SET OF FLUSH-JETS COME WITH
A SET OF RIGID EXTENSION
TUBES, PLEASE SPECIFY
LENGTH WHEN ORDERING

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MONKEY KNUCKLES

WINIT TOOL'S MONKEY KNUCKLES
PROVIDE AN ADDITIONAL 35 DEGREES
OF MOTION WHEN A STANDARD NOZZLE
WON'T QUITE WORK



Threaded Monkey Knuckles

Part Number	Nominal Dia
MK-1015MM	M10X1.50
MK-1012MM	M10xX1.25
MK-250NPT	1/4 NPT
MK-125NPT	1/8 NPT
MK-375NPT	3/8 NPT

Double Threaded Monkey Knuckles

Part Number	Nominal Dia
MKD-1015MM	M10X1.50
MKD-1012MM	M10xX1.25
MKD-250NPT	1/4 NPT
MKD-125NPT	1/8 NPT
MKD-375NPT	3/8 NPT

Double Press in Monkey Knuckles

Part Number	Nominal Dia
MKD-10MMP	10mm
MKD-11MMP	11mm
MKD-12MMP	12mm
MKD-13MMP	13mm
MKD-14MMP	14mm
MKD-15MMP	15mm
MKD-16MMP	16mm
MKD-437P	7/16"
MKD-500P	1/2"

Press in Monkey Knuckles

Part Number	Nominal Dia
MK-10MMP	10mm
MK-11MMP	11mm
MK-12MMP	12mm
MK-13MMP	13mm
MK-14MMP	14mm
MK-15MMP	15mm
MK-16MMP	16mm
MK-437P	7/16"
MK-500P	1/2"



THE CLOSEST PORT IN THIS APPLICATION
IS UTILIZING A FLUSH-JET WITH AN OPTIONAL
MONKEY KNUCKLE INSTALLED.

THE REAR PORT ON THIS APPLICATION IS
FLUSH-JET PLUGGED WITH A SOCKET HEAD
CAP SCREW.

MAX OPERATING PRESSURE-150PSI

MAX OPERATING TEMPERATURE-160F

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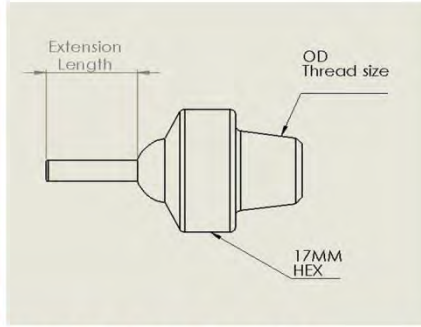
THREAD-JET SCREW IN COOLANT NOZZLES



EASY THREAD IN INSTALLATION, SCREWS INTO A THREADED PORT
 LARGE RANGE OF MOTION, 35 DEGREES OF ADJUSTMENT
 OFF CENTERLINE
 AVAILABLE FOR ALMOST ANY MACHINE.
 COOLANT BALLS ARE TAPPED FOR USE WITH AN EXTENSION
 TUBE OR PLUG WITH A SET SCREW
 EACH SET OF FLUSH-JETS COME WITH A RIGID
 EXTENSION TUBES, PLEASE SPECIFY LENGTH
 WHEN ORDERING



THREAD JET SHOWN ON VDI LIVE TOOL WITH
 44MM EXTENSION TUBE.



Thread Jet Screw In Nozzles

Part Number	OD Thread size	ID Thread	ID Thread Size
TJ125NPT	1/8" npt/bst	Tapped	M5x.8
TJ250NPT	1/4" npt/bst	Tapped	M5x.8
TJ375NPT	3/8" npt/bst	Tapped	M5x.8
TJ10X125	M10x1.25	Tapped	M5x.8
TJ12X125	M12x1.25	Tapped	M5x.8



DUAL THREAD-JET ON CNC LATHE DRILLING
 OPERATION, WITH 32MM EXTENSION TUBES

MAX OPERATING PRESSURE-150PSI
 MAX OPERATING TEMPERATURE-160F

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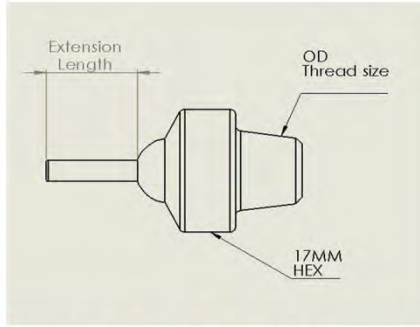
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Part Number	OD Thread size	ID	ID Thread Size
TJ125NPT	1/8" npt/bst	Tapped	M5x.8
TJ250NPT	1/4" npt/bst	Tapped	M5x.8
TJ375NPT	3/8" npt/bst	Tapped	M5x.8
TJ10X125	M10x1.25	Tapped	M5x.8
TJ12X125	M12x1.25	Tapped	M5x.8



DUAL THREAD-JET ON CNC LATHE DRILLING
 OPERATION, WITH 32MM EXTENSION TUBES

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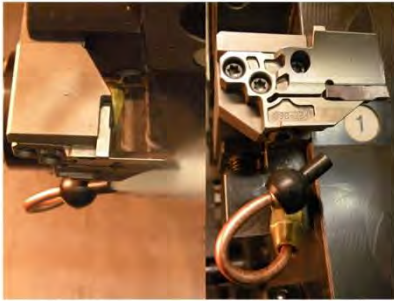


COPPER COOLANT PRODUCTS

**AVAILABLE
MID - JULY 2014**



SCREW LOCK COPPER LINE

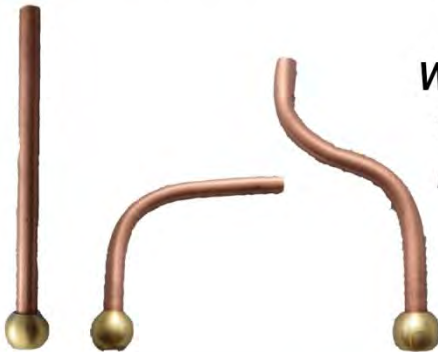


MONKEY JET SHOWN IN A FACE GROOVING APPLICATION

BENDABLE COPPER LINE HAS THE RIGIDITY FOR 500PSI

LIMITLESS ROUTING POSSIBILITIES

AIMING THE NOZZLE IS EASY WITH THE MONKEY JET NOZZLE



WILL BE AVAILIBLE WITH THREADED AND SCREW LOCK BALLS.

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BED CLAMPS FOR CNC VISES AND FIXTURE PLATES

WINIT TOOLS BED CLAMPS ARE AN IDEAL SOLUTION FOR CLAMPING VICES AND FIXTURE PLATES TO YOUR MACHINING CENTERS TABLE. THEY ARE SUITED EQUALLY WELL FOR BOTH VERTICAL, HORIZONTAL AND OTHER APPLICATION. OUR CLAMPS COVER THE MOUNTING BOLT WITH A SEALED REMOVABLE CAP. THIS HELPS REDUCE WEAR AND TEAR ON MOUNTING BOLTS WHICH AIDS IN REMOVAL OF WORK HOLDING DEVICES. A GREAT ALTERNATIVE TO OTHER BULKY CLAMPING SYSTEMS SUCH AS TOE CLAMPS.



BED CLAMP SECURELY HOLDING VISE IN VERTICAL MACHINING CENTER

NOW AVAILABLE
IN
DOUBLE CLAMPS

- CAP DESIGN PREVENTS CHIPS AND SWARF FROM ACCUMULATING IN SOCKET HEAD CAP SCREW.
- CLAMPS ARE HARDENED AND COATED FOR A LONG SERVICE LIFE.
- AVAILABLE FOR MOST VISES



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HYDRAMAX WORKHOLDING SYSTEMS

A **Winit** Tool Company



HYDRA-10ST HOLDING 10 PLASTIC PARTS



HYDRA-5ST HOLDING CYLINDRICAL PARTS



HYDRA-6ST WITH CUSTOM CONTACT PADS

THE HYDRAMAX WORKHOLDING SYSTEM IS DESIGNED TO ALLOW MULTIPLE PARTS, WITH VARIATIONS IN SIZE TO BE SECURED IN A KURT VISE SIMULTANEOUSLY. PROBLEMS USUALLY ASSOCIATED WITH ATTEMPTING TO HOLD MULTIPLE PARTS IN ONE VISE ARE VIRTUALLY ELIMINATED. SAVE TIME AND MONEY WITHOUT THE HASSLES OF BROKEN CUTTERS, SCRAPED PARTS, OR DAMAGED FIXTURES. ALSO FRAGILE PARTS CAN BE HELD SECURELY, WITHOUT CRUSHING PRESSURE.

THE SYSTEM INCLUDES TWO JAWS BOTH EQUIPPED WITH OUR FASTBACK WASHER MOUNTING PLATES. THE SOLID JAW IS REPLACED BY A SIMPLE MACHINABLE ALUMINUM SOFT JAW, WHILE THE MOVEABLE JAW IS REPLACED BY THE HYDRAMAX JAW. THE HYDRAMAX JAW INCORPORATES SEVERAL INDEPENDENTLY ACTING CLAMPING PISTONS. THESE PISTONS COMPENSATE FOR VARIATIONS IN THE PARTS BEING HELD. THE SELF-CONTAINED HYDRAULIC CHAMBER WITHIN THE JAW EQUALIZES THE PRESSURE OF THE INDIVIDUAL PISTONS, ALLOWING THE JAW TO ADAPT TO THE PARTS BEING HELD FOR MACHINING. MULTIPLE SYSTEMS ARE AVAILABLE WITH VARIATIONS IN THE SIZE AND NUMBER OF HYDRAULIC PISTONS WITHIN THE SELF-CONTAINED JAW UNIT.

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HYDRAMAX

A **Winit** Tool Company



BRIDGES

A SOFT JAW THAT LINKS TWO ADJACENT PISTONS. THE SOFT JAW CAN BE MACHINED UP TO $5/16$ DEEP ON BOTH SIDES. THE ADDED BENEFIT OF THE MACHINABLE BRIDGES IS THAT IRREGULAR PARTS CAN NOW EASILY BE HELD WITH THE HYDRAMAX WORKHOLDING SYSTEM. THE BRIDGES ARE EASILY SECURED TO THE HYDRAMAX PISTONS AND CAN BE MACHINED IN PLACE LIKE A STANDARD SOFT JAW.



CONTACT PADS

BRASS AND PLASTIC CONTACT PADS ARE AVAILABLE FOR ALL HYDRAMAX WORK HOLDING SYSTEMS. THE CONTACT PADS PREVENT THE HARD PISTON IN THE HYDRAMAX FROM CONTACTING AND DAMAGING YOUR PARTS.

FASTBACK INTERCHANGE SYSTEM



THE JAWS CHANGE EASILY WITHOUT OPENING THE VISE OR FASTENING BOLTS MORE THAN A SINGLE TURN. A PAIR OF VISE JAWS CHANGES OUT IN UNDER A MINUTE WITH THE VISE OPEN OR CLOSED. USING A SUPPLIED 6-INCH HEX WRENCH TO REACH THROUGH THE VISE BODY, THE FASTBACK BOLT IS LOOSENED, OR TIGHTENED FROM THE REVERSE SIDES OF THE VISE. THE SYSTEM SAVES VALUABLE SET-UP TIME ON RETURN JOBS BECAUSE IT ALLOWS THE JAWS TO BE FASTENED WHILE THE PARTS ARE ALREADY HELD IN THE VISE.

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HYDRAMAX X-PANDER SYSTEM

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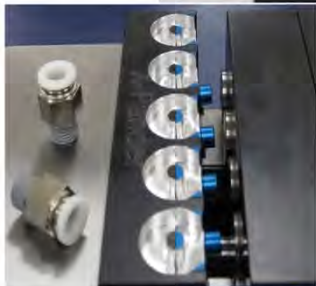


THE X-PANDER WORKS WITH THE HYDRAMAX WORKHOLDING SYSTEM TO HOLD SMALL PARTS ON THEIR ID.

THE VISE IS TIGHTENED AND THE X-PANDER IS MACHINED TO THE SIZE OF YOUR PARTS



THE VISE IS LOOSENED AND THE LOCKING SET SCREWS ARE RELEASED.



THE PARTS ARE LOADED ONTO THE X-PANDER AND THE VISE IS TIGHTENED. YOUR PARTS ARE READY TO BE MACHINED



THE X-PANDER SYSTEM DRAMATICALLY INCREASES PRODUCTION OF SMALL INTERNALLY HELD PARTS, ON MANUAL OR CNC MILLING MACHINES. THE SELF CONTAINED, MODULAR SYSTEM HOLDS 5 PARTS AT A TIME ON THE ID OF EACH PART.

THE SOLID JAW OF THE MILLING MACHINE VISE IS REPLACED BY THE X-PANDER JAW THAT IS MACHINED IN PLACE TO HOLD MULTIPLE PARTS. THE SLIDING JAW IS REPLACED WITH THE HYDRAMAX 5ST WHICH USES 5 INDEPENDENTLY ACTING PISTONS JOINED TOGETHER BY A COMMON FLUID FILLED CHANNEL.

THE X-PANDER SYSTEM WORKS TOGETHER WITH THE HYDRAMAX WORKHOLDING JAW TO COMPENSATE FOR ANY VARIATION IN THE SIZE OF THE INDIVIDUAL PARTS. THIS ALLOWS MULTI-PART MACHINING WITHOUT BROKEN CUTTERS, SCRAP PARTS, OR DAMAGED FIXTURES DUE TO ONE OR MORE PARTS NOT BEING HELD SECURELY.

THE PATENTED SYSTEM IS FAST AND EASY TO USE SINCE IT HAS NO EXTERNAL HYDRAULIC LINES AND IS TOTALLY SELF CONTAINED

SECOND OPERATION SUCH AS SLOTTING AND DRILLING ARE HANDLED QUICKLY AND EFFICIENTLY, SINCE FIVE PARTS ARE HELD FOR EACH MACHINING CYCLE.



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Accessories for Citizen screw machines

Knock-out Jigs

Winit Tools knock out jig for Citizen Machines with a M8 ejector rod. this design is a significant improvement over its OEM counter part. Coolant ports are located at 90 degrees to centerline. The location and orientation of the coolant ports effectively clear chips and debris from the counter spindle. The kit is manufactured from 300 series stainless steel to ensure a long service life.



Collet Fingers

Winit Tools replacement collet closer feed fingers for a citizen L20 /A20. These are manufactured to the OEM specification to ensure the longest possible service life and the reliability you've come to count on from your Citizen. This is a direct replacment for your worn out collet closer fingers, in stock and ready to ship.



Extended Holder

Winit Tools Extended holder for citizen machines. This holder attaches to the dog leg and provides an additional two locations for id tooling both front and back. Gives you the ability to hold a tool that is 1.5in longer than the standard dog leg. Will accept 1in tooling with 30MM hole spacing.



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BAR CHAMFER TOOL

THE BAR CHAMFER TOOL REDUCES THE LABOR AND COST ASSOCIATED WITH TRADITIONAL BAR CHAMFER MACHINES, INCLUDING SETUP AND TEAR DOWN. THE TOOL CAN BE POWERED BY A HAND DRILL TO EFFECTIVELY CUT A 45-DEGREE CHAMFER ON LIGHT METALS AND PLASTICS. DESIGNED AS A FLEXIBLE LOW COST ALTERNATIVE TO FIXED CHAMFER MACHINES.



Bar Chamfer Tool

Part Number	Max Bar Size
BRCT10	1"
BRCT75	3/4"
BRCT50	1/2"
BRCT25	1/4"
BRCT12	1/8"

BAR LOADER COLLETS

D-STYLE BAR LOADER COLLET FOR ANY LOADER USING THIS STYLE OF COLLET SOME OF THE BAR LOADER MANUFACTURES USING A D-STYLE COLLETS ARE EDGE TECHNOLOGY , LNS, FMB AND ROBOBAR. WINIT TOOL MANUFACTURES ALL COLLETS FROM A HIGH QUALITY ALLOY STEEL IN THE PRE HARD STATE TO ENSURE CONSISTENT RESULTS AND A LONG SERVICE LIFE. UNLIKE OUR COMPETITOR WINIT TOOL PRODUCES ALL OUR LOADER COLLETS TO THE SAME GAGE LENGTH SO BAR LOADER ADJUSTMENT DURING CHANGE OVER CAN BE KEPT TO A MINIMUM.



D Style for Bar Loaders

Part Number	ID
BLC-250	.25"
BLC-375	.375"
BLC-438	.4375"
BLC-500	.5"
BLC-506	.5625"
BLC-625	.625"
BLC-750	.750"

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TERMS AND CONDITIONS OF SALE

PRICES

ALL THE PRICES ARE IN US DOLLARS AND SUBJECT TO CHANGE WITHOUT NOTICE. UNLESS OTHERWISE STATED ALL QUOTATIONS WILL EXPIRE THIRTY DAYS FROM THE DATE OF ISSUE.

SHIPPING

ALL FREIGHT AND PACKAGING COST WILL BE PAID BY THE CUSTOMER AND SHOWN SEPARATELY ON THE INVOICE. SHIPMENTS WILL BE INSURED AT VALUE AND INCLUDE IN THE SHIPPING COST. A 15% SHIPPING FEE MAY BE ADDED AT THE DISCRETION OF WINIT TOOL LLC

CANCELLATIONS

CANCELLED ORDERS AND ITEMS RETURNED FOR CREDIT MAY INCURE A \$15.00 PROCESSING CHARGE OR UP TO A 20% CANCELLATION OR RESTOCKING FEE. SPECIAL ORDERS AND CUSTOMS CANNOT BE RETURNED

RETURNS

WE WILL REPLACE OR ACCEPT RETURN ITEMS THAT ARE NOT WHAT WAS ORDERED OR FOUND TO BE DEFECTIVE. CLAIMS MUST BE SUBMITTED WITHIN 30 DAYS AND WILL NOT BE ACCEPTED WITHOUT A RETURN AUTHORIZATION FORM. ITEMS MUST BE RETURNED IN NEW CONDITION AND PROPERLY PACKAGED. RETURNED ITEMS THAT ARE DAMAGED, USED OR ARE MISSING PARTS MAY BE REFUSED FOR RETURN OR SUBJECT TO REPAIR CHARGES AND RESTOCKING CHARGE. ANY CREDIT DUE WILL BE ISSUED AS MERCHANDISE CREDIT AND APPLIED TOWARDS FUTURE PURCHASES

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Multi Part Workholding Solutions

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