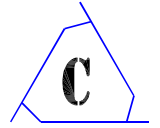


CENTURY TOOL & DESIGN INC.



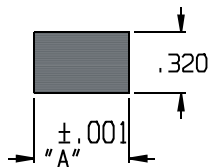
PATENT No. 7862261

WEDGE - LOC™

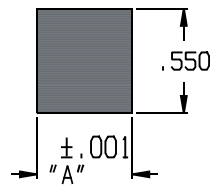
A REGRINDABLE INSERT TOOLING SYSTEM

INSERTS & TOOLHOLDERS

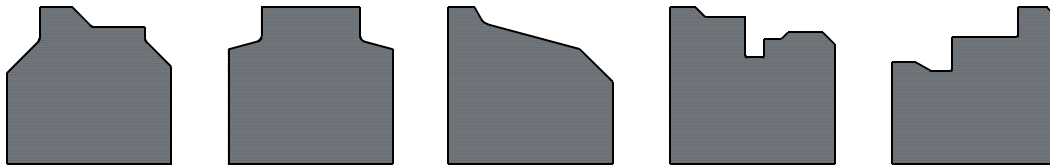
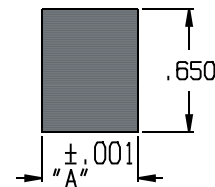
INSERT BLANK
STYLE #1



INSERT BLANK
STYLE #2



INSERT BLANK
STYLE #3

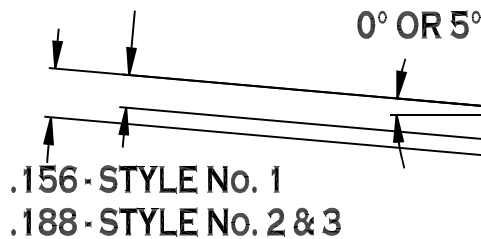


ENLARGED VIEWS OF A FEW SPECIAL INSERT FORMS

SUBMIT YOUR SPECIAL TOOLING REQUIREMENTS TO US TODAY FOR A QUOTATION USING THIS TYPE OF INSERT

THE INSERTS TOP SURFACE
.120 MIN. REGRIND

OUTLINE OF THE UNIVERSAL SIDE PLATE



INSERT LOCATING SURFACES

WEDGE

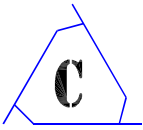
HEX SOCKET
BOTH ENDS

WEDGE LOCKING SCREW

HARDENED TOOL
STEEL - SHANK

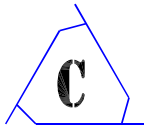
BENEFITS:

- 1) ALL INSERTS ARE REGRINDABLE.
- 2) THE INSERTS WILL ALWAYS RELOCATE BACK TO THE ORIGINAL POSITION.
- 3) THIS STYLE OF WEDGE-LOCKING SCREW AFFORDS EASY ACCESS FROM EITHER THE TOP OR THE FRONT.
- 4) MINIMUM DOWN TIME

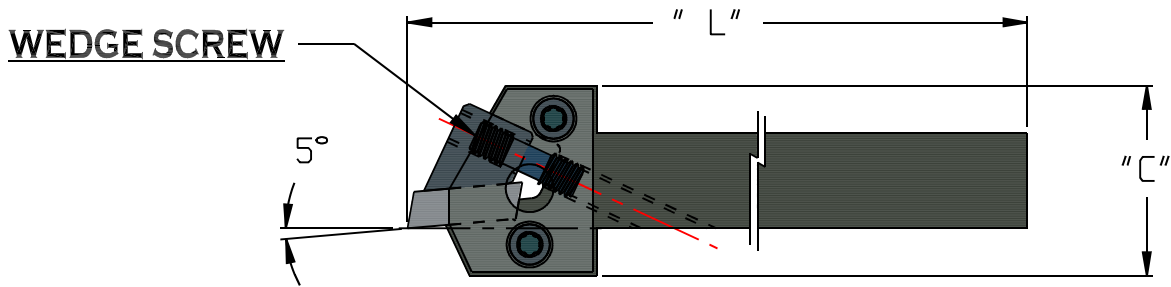


WEDGE - LOC™

CNC & SWISS TYPE TOOLHOLDERS



PATENT No. 7862261



ORDERING EXAMPLE CTD-9131-375-4
PAGE 29 AND 30

TORX SCREW (2) REQ'D
CTD-4110

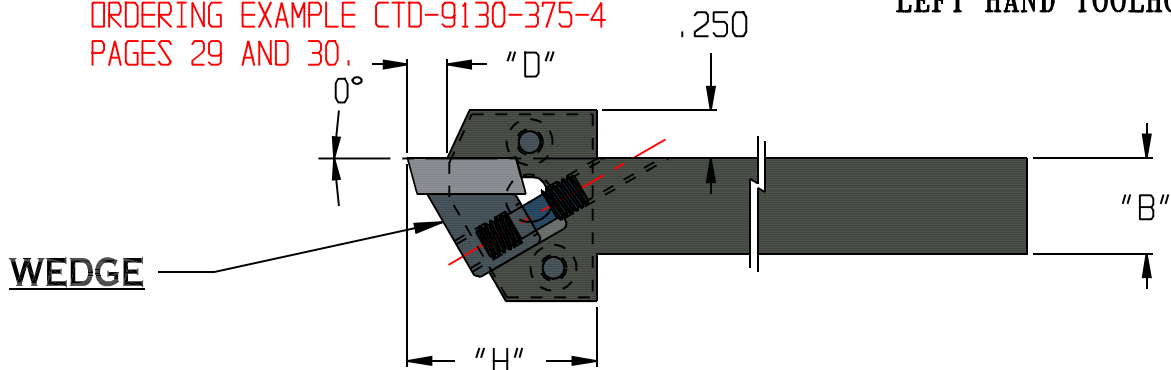
UNIVERSAL SIDE PLATE (1) REQ'D

ATTACHING THE SIDE PLATE
TO THIS SIDE OF THE
SHANK CREATES A
RIGHT HAND TOOLHOLDER

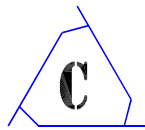
INSERT STYLE
No. 1 OR No. 2
PAGE #27

ATTACHING THE SIDE PLATE
TO THIS SIDE OF THE
SHANK CREATES A
LEFT HAND TOOLHOLDER

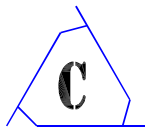
ORDERING EXAMPLE CTD-9130-375-4
PAGES 29 AND 30.



**FOR VARIATIONS OF THESE TOOLHOLDERS
PLEASE SUBMIT YOUR REQUEST FOR A QUOTE**



WEDGE - LOC™



CNC & SWISS TYPE TOOLHOLDERS

PATENT No. 7862261

TOOLHOLDER NUMBERS THAT USE STYLE No. 1 INSERTS

INSERTS ARE LOCATED ON PAGE #27

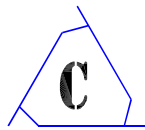
0° TOP RAKE TOOLHOLDERS	5° TOP RAKE TOOLHOLDERS	"A"	"B"	"C"	"D"	"H"	"L"	SIDE PLATE	WEDGE	WEDGE SCREW
CTD-9130-375-3	CTD-9131-375-3		.375					CTD-9130-SP	CTD-9128-375	CTD-9132
CTD-9130-375-4	CTD-9131-375-4		.500							
CTD-9130-375-5	CTD-9131-375-5	.375	.625	.875	.100	.75	4.0			
CTD-9130-375-10MM	CTD-9131-375-10MM		.394							
CTD-9130-375-12MM	CTD-9131-375-12MM		.472							
CTD-9130-375-14MM	CTD-9131-375-14MM		.551							

0° TOP RAKE TOOLHOLDERS	5° TOP RAKE TOOLHOLDERS	"A"	"B"	"C"	"D"	"H"	"L"	SIDE PLATE	WEDGE	WEDGE SCREW
CTD-9130-500-3	CTD-9131-500-3		.375					CTD-9130-SP	CTD-9128-500	CTD-9132
CTD-9130-500-4	CTD-9131-500-4		.500							
CTD-9130-500-5	CTD-9131-500-5	.500	.625	.875	.100	.75	4.0			
CTD-9130-500-10MM	CTD-9131-500-10MM		.394							
CTD-9130-500-12MM	CTD-9131-500-12MM		.472							
CTD-9130-500-14MM	CTD-9131-500-14MM		.551							

0° TOP RAKE TOOLHOLDERS	5° TOP RAKE TOOLHOLDERS	"A"	"B"	"C"	"D"	"H"	"L"	SIDE PLATE	WEDGE	WEDGE SCREW
CTD-9130-625-3	CTD-9131-625-3		.375					CTD-9130-SP	CTD-9128-625	CTD-9132
CTD-9130-625-4	CTD-9131-625-4		.500							
CTD-9130-625-5	CTD-9131-625-5	.625	.625	.875	.100	.75	4.0			
CTD-9130-625-10MM	CTD-9131-625-10MM		.394							
CTD-9130-625-12MM	CTD-9131-625-12MM		.472							
CTD-9130-625-14MM	CTD-9131-625-14MM		.551							

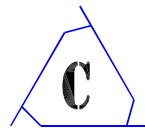
**HOLDERS LISTED ON PAGES 29, 30 AND 31 ARE COMMON SIZES.
IF YOU DON'T SEE WHAT YOU REQUIRE, CALL, AND WE WILL
DESIGN ONE FOR YOU.**

**HOLDERS THAT ARE DESIGNED FOR YOUR SPECIFIC APPLICATIONS
WILL BE ISSUED ITS OWN CTD-NUMBER.**



WEDGE - LOC™

CNC & SWISS TYPE TOOLHOLDERS

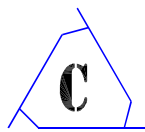


PATENT No. 7862261

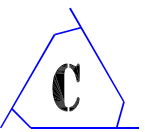
TOOLHOLDER NUMBERS THAT USE STYLE No. 2 INSERTS

INSERTS ARE LOCATED ON PAGE #27

0° TOP RAKE TOOLHOLDERS	5° TOP RAKE TOOLHOLDERS	"A"	"B"	"C"	"D"	"H"	"L"	SIDE PLATE	WEDGE	WEDGE SCREW
CTD-8790-375-3	CTD-8791-375-3		.375					<i>CTD-8790-SP</i>	<i>CTD-8766-375</i>	<i>CTD-8792</i>
CTD-8790-375-4	CTD-8791-375-4		.500							
CTD-8790-375-5	CTD-8791-375-5		.625							
CTD-8790-375-6	CTD-8791-375-6		.750							
CTD-8790-375-10MM	CTD-8791-375-10MM	.375	.394	1.000	.200	.990	5.0			
CTD-8790-375-12MM	CTD-8791-375-12MM		.472							
CTD-8790-375-14MM	CTD-8791-375-14MM		.551							
CTD-8790-375-16MM	CTD-8791-375-16MM		.630							
CTD-8790-500-3	CTD-8791-500-3		.375					<i>CTD-8790-SP</i>	<i>CTD-8766-500</i>	<i>CTD-8792</i>
CTD-8790-500-4	CTD-8791-500-4		.500							
CTD-8790-500-5	CTD-8791-500-5		.625							
CTD-8790-500-6	CTD-8791-500-6		.750							
CTD-8790-500-10MM	CTD-8791-500-10MM	.500	.394	1.000	.200	.990	5.0			
CTD-8790-500-12MM	CTD-8791-500-12MM		.472							
CTD-8790-500-14MM	CTD-8791-500-14MM		.551							
CTD-8790-500-16MM	CTD-8791-500-16MM		.630							
CTD-8790-625-3	CTD-8791-625-3		.375					<i>CTD-8790-SP</i>	<i>CTD-8766-625</i>	<i>CTD-8792</i>
CTD-8790-625-4	CTD-8791-625-4		.500							
CTD-8790-625-5	CTD-8791-625-5		.625							
CTD-8790-625-6	CTD-8791-625-6		.750							
CTD-8790-625-10MM	CTD-8791-625-10MM	.625	.394	1.000	.200	.990	5.0			
CTD-8790-625-12MM	CTD-8791-625-12MM		.472							
CTD-8790-625-14MM	CTD-8791-625-14MM		.551							
CTD-8790-625-16MM	CTD-8791-625-16MM		.630							
CTD-8790-750-3	CTD-8791-750-3		.375					<i>CTD-8790-SP</i>	<i>CTD-8766-750</i>	<i>CTD-8792</i>
CTD-8790-750-4	CTD-8791-750-4		.500							
CTD-8790-750-5	CTD-8791-750-5		.625							
CTD-8790-750-6	CTD-8791-750-6		.750							
CTD-8790-750-10MM	CTD-8791-750-10MM	.750	.394	1.000	.200	.990	5.0			
CTD-8790-750-12MM	CTD-8791-750-12MM		.472							
CTD-8790-750-14MM	CTD-8791-750-14MM		.551							
CTD-8790-750-16MM	CTD-8791-750-16MM		.630							



WEDGE - LOC™



B & S AND DAVENPORT TOOLHOLDERS

SPECIAL ORDER #00 B & S TOOLHOLDERS

PATENT No. 7862261

INSERT STYLE #2
LOCATED ON PAGE #27

CTD-8237 TORX SCREW (4) REQ'D

CTD-8770-SP UNIVERSAL SIDE PLATE (1) REQ'D

CTD-8792 WEDGE SCREW

R.H. POSITION

L.H. POSITION

WE ALSO SUPPLY HOLDERS AND INSERTS FOR #0 AND #2 BROWN & SHARPS

TOOLHOLDERS	"A"	WEDGE No.
CTD-8770-375	.375	CTD-8766-375
CTD-8770-500	.500	CTD-8766-500
CTD-8770-625	.625	CTD-8766-625
CTD-8770-750	.750	CTD-8766-750

DAVENPORT TOOLHOLDERS

PATENT No. 7862261

INSERT STYLE #3
LOCATED ON PAGE #27

CTD-8646 WEDGE SCREW

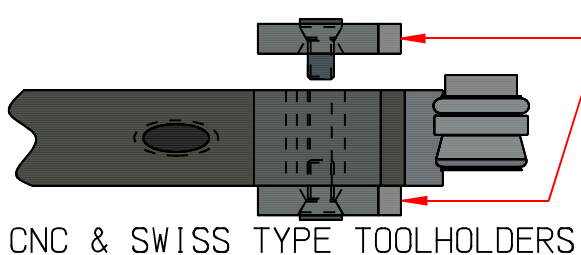
CTD-8780-SP SIDE PLATE

CTD-8237 TORX SCREW (4) REQ'D

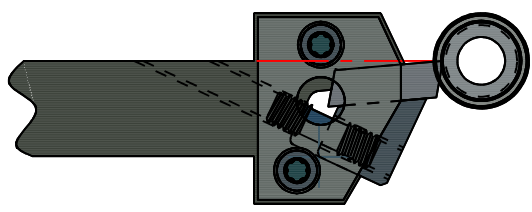
STANDARD HOLDER	"A"	WEDGE No.
CTD-8780-500	.500	CTD-8767-500
SPECIAL ORDER HOLDERS		WEDGE No.
CTD-8780-375	.375	CTD-8767-375
CTD-8780-625	.625	CTD-8767-625
CTD-8780-750	.750	CTD-8767-750

**FOR VARIATIONS OF THESE TOOLHOLDERS
PLEASE SUBMIT YOUR REQUEST FOR A QUOTE**

C WEDGE-LocTM INSERTS & TOOLHOLDERS C



CNC & SWISS TYPE TOOLHOLDERS



SEE PAGES 28,29 AND 30

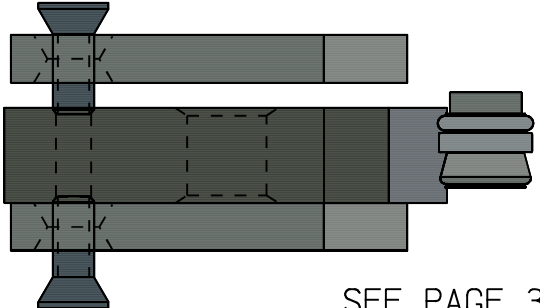
SIDE PLATE CAN BE USED ON BOTH SIDES FOR MOST TOOLHOLDERS.

OUR PATENTED TECHNOLOGY CAN BE APPLIED TO ANY TOOLHOLDER.

ONCE THE TOOLHOLDER IS SET UP, MAKING DIFFERENT PARTS IS AS EASY AS CHANGING THE INSERT.

INSERT IS LOCKED IN BY THE WEDGE, WHICH CAN BE ACCESSED FROM FRONT OR BACK. THIS AIDS IN CHANGING INSERT.

BROWN & SHARP AND DAVENPORT TOOLHOLDERS



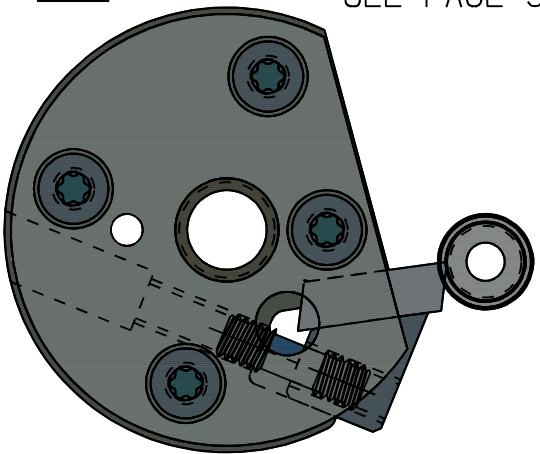
SEE PAGE 31.

OUR DESIGN STAFF WILL WORK CLOSELY WITH YOU TO PRODUCE INSERTS FOR YOUR PARTS.

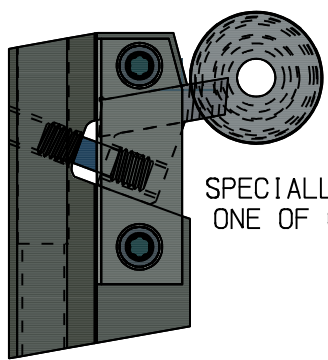
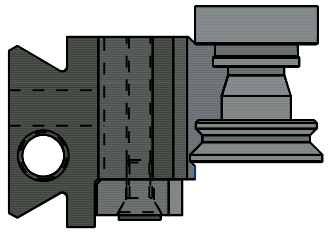
WE WILL WORK TO MINIMIZE THE NUMBER OF OPERATIONS, HELPING WITH PRODUCTION.

ALL INSERTS HAVE A SPECIAL TOP FINISH FOR IMPROVED PART FINISH.

INSERTS ARE OFFERED IN DIFFERENT GRADES OF CARBIDE OR HIGH SPEED STEEL. INSERT COATINGS AND GRADE IS DEPENDENT ON YOUR PART MATERIAL AND TURNING SPEED.



DOVETAILED TOOLHOLDER



SPECIALLY DESIGNED FOR ONE OF OUR CUSTOMERS.

FOR A FRACTION OF THE COST OF NEW, OUR REGRIND SERVICE REMOVES ANY WEAR AND REAPPLIES SPECIAL FINISH. THE INSERT IS THEN RECOATED.

DUE TO OUR PATENTED DESIGN, INSERTS NEW OR REGROUND WILL LOCATE BACK TO CENTER HEIGHT AND LENGTH.

PATENT No. 7862261