

DRILLING • RIVETING • COUNTERSINKING • BUCKING



ATI® TOOLS

A Snap-on Specialty Tools Brand

**Snap-on**

Specialty Tools

AIRFRAME TOOLING FOR PRODUCTION & MAINTENANCE

## Equipment



ATI520JK



### ATI520JK Cable Swager - Portable Kit.

This kit includes ATI520J Swager, ATI520SG Swaging Gauge, Felco C7 hand cable cutters, SP1001 Turnbuckle Wrench, and 27 ATI520 family of dies. NSN #5130-00-712-4855



ATI520J

### ATI520J Cable Swager - Portable Unit.

This light weight unit is designed to precision-swage cable terminals. It can be used as a bench unit when mounted on the shock absorbing base, or taken directly to the scene of operation. The unit includes base plate, air hose and foot control. Dies must be ordered separately, see ATI520 family of dies. NSN #5130-01-212-9426



ATI520H

### ATI520H Hydraulic Swager With Enerpac®.

Unit accommodates cable sizes to 3/8" and operates on an air supply of 100-120 psi. Swaging is performed by applying a designated number of pressure increments while rotating the cable-terminal assembly. An adaptor is provided which allows the ATI520H to accept standard ATI520 family of swaging dies, used with both the ATI520J and ATI520D pneumatic swagers.

## Swaging Dies

ATI520CD-2



### ATI520CD-2 Cutter Die - 1/16" Cable.

Female side of the cutter die, packaged individually. Perfectly cuts and/or trims cable strands flush with ball end. Eliminates ragged ends. Used with ATI520CP-2 male punch die.

### ATI520CD-4 Cutter Die - 1/8" Cable.

Female side of the cutter die, packaged individually. Perfectly cuts and/or trims cable strands flush with ball end. Eliminates ragged ends. Used with ATI520CP-4 male punch die. NSN #5130-01-024-4011

### ATI520CD-5 Cutter Die - 5/32" Cable.

Female side of the cutter die, packaged individually. Perfectly cuts and/or trims cable strands flush with ball end. Eliminates ragged ends. Used with ATI520CP-5 male punch die.



ATI520CP-2

### ATI520CP-2 Punch Die - 1/16" Cable.

Male side of the cutter die, packaged individually. Perfectly cuts and/or trims cable strands flush with ball end. Eliminates ragged ends. Used with ATI520CD-2 female cutter die. Requires the use of spacer ATI520SP behind punch die.

### ATI520CP-5 Punch Die - 5/32" Cable.

Male side of the cutter die, packaged individually. Perfectly cuts and/or trims cable strands flush with ball end. Eliminates ragged ends. Used with ATI520CD-5 female cutter die. Requires the use of spacer ATI520SP behind punch die.

### ATI520CP-6 Punch Die - 3/16" Cable.

Male side of the cutter die, packaged individually. Perfectly cuts and/or trims cable strands flush with ball end. Eliminates ragged ends. Used with ATI520CD-6 female cutter die. Requires the use of spacer ATI520SP behind punch die.

ATI520CB-4



**ATI520CB-2 Swaging Dies - 1/16" Cable Diameter.**  
Swages 1/16" diameter plain ball end terminal to cable.  
Packaged as a matched pair.

**ATI520CB-3 Swaging Dies - 3/32" Cable Diameter.**  
Swages 3/32" diameter plain ball end terminal to cable.  
Packaged as a matched pair. NSN #5130-01-005-8884

**ATI520CB-4 Swaging Dies - 1/8" Cable Diameter.**  
Swages 1/8" diameter plain ball end terminal to cable.  
Packaged as a matched pair.

ATI520CDB-3



**ATI520CDB-2 Swaging Dies - 1/16" Cable Diameter.**  
Swages MS20663-2 terminal to cable. Packaged as a matched pair.

**ATI520CDB-3 Swaging Dies - 3/32" Cable Diameter.**  
Swages MS20663-3 terminal to cable. Packaged as a matched pair.

**ATI520CDB-4 Swaging Dies - 1/8" Cable Diameter.**  
Swages MS20663-4 terminal to cable. Packaged as a matched pair.



ATI520CS-5

**ATI520CS-2 Swaging Dies - 1/16" Cable Diameter.**  
Swages MS21259-2, MS20667-2, MS20668-2, MS21260-2 terminal to cable. Packaged as a matched pair.

**ATI520CS-3 Swaging Dies - 3/32" Cable Diameter.**  
Swages MS21259-3, MS20667-3, MS20668-3, MS21260-3 and Boeing stop terminal BACT14A-2 to cable. Packaged as a matched pair.  
NSN #5130-00-506-9964

**ATI520CS-4 Swaging Dies - 1/8" Cable Diameter.**  
Swages MS21259-4, MS20667-4, MS20668-4, MS21260-4 and Boeing stop terminal BACT14A-3 to cable. Packaged as a matched pair.  
NSN #5130-01-024-3054

**ATI520CS-5 Swaging Dies - 5/32" Cable Diameter.**  
Swages MS21259-5, MS20667-5, MS20668-5, MS21260-5 and Boeing stop terminal BACT14A-4 to cable. Packaged as a matched pair.

**ATI520CS-6 Swaging Dies - 3/16" Cable Diameter.**  
Swages MS21259-6, MS20667-6, MS20668-6, MS21260-6 and Boeing stop terminal BACT14A-5 to cable. Packaged as a matched pair.

**ATI520CS-7 Swaging Dies - 7/32" Cable Diameter.**  
Swages MS21259-7, MS20667-7, MS20668-7, MS21260-7 and Boeing stop terminal BACT14A-6 to cable. Packaged as a matched pair.

ATI520CSB-3



**ATI520CSB-2 Swaging Dies - 1/16" Cable Diameter.**  
Swages MS20664-2 terminal to cable. Packaged as a matched pair. NSN #5120-01-292-4516

**ATI520CSB-3 Swaging Dies - 3/32" Cable Diameter.**  
Swages MS20664-3 terminal to cable. Packaged as a matched pair. NSN #5120-01-362-3318

**ATI520CSB-4 Swaging Dies - 1/8" Cable Diameter.**  
Swages MS20664-4 terminal to cable. Packaged as a matched pair. NSN #5130-01-393-1283

**ATI520CSB-6 Swaging Dies - 3/16" Cable Diameter.**  
Swages MS20664-6 terminal to cable. Packaged as a matched pair.

ATI520SG



**ATI520SG Swaging Go - Limit Gauges.**  
Multiple gauges designed to check all swaged terminals within the designed range of the ATI520D and ATI520J swagers.

## Gauge, Swaged Terminal



**WARNING**

- Airframe tooling can cause flying chips.
- Wear safety goggles (user and bystanders).



## Pull Testers



**ATI520CT Pull Tester - Portable - Instrumentation Only.**  
Self-contained hydraulic unit in which the tensile load applied to the cable and terminal assembly is produced by developing pressure in a hydraulic cylinder. The pressure in the cylinder is related to the pounds tension applied to the terminal and cable assembly, and is indicated by a direct-reading pressure gage calibrated in pounds tension. The face of the gage is graduated and indicated by cable size, and the respective 60% rated tensile strength. This terminal tester has the capacity to pull-test sizes and types of terminals which can be swaged by the ATI520J or ATI520D

During testing, the cable is held between two soft copper blocks which have been designed to avoid damage to the cable. The basic unit weighs 24 3/4 lbs., is 5 3/4" wide, 10 1/4" high and 23 1/8" length. Allows proof-loading of swaged terminals after the cable has been installed. Note: Must be used with optional ATI adaptors and jaws sold separately.



**ATI520CTK Pull Tester Kit.**  
Kit includes ATI520CT self-contained hydraulic unit and all necessary pull tester hardware, adaptors and jaws required. Note: See ATI520CT for unit specifications. NSN #6635-00-864-3511



**ATI520HTK Hydraulic Pull Tester Kit.**  
The ATI520HTK Hydraulic Pull Tester Kit, provides pull-test capabilities for all swaged terminal assemblies listed in this section.

## Calibration Kit

**ATI520CGC Pull Tester Calibration Kit.**  
This exclusive kit includes adaptors required to certify ATI Pull Tester Equipment part number ATI520CT. Quality assurance tool recognized by the Boeing Company. This instrument will eliminate the necessity of costly outside calibration service. NSN #4920-00-949-9409



## Pull Tester Replacement Jaws



**ATI520CTD2 Pull Tester Cable Jaws - 1/16".**  
Jaws are made of dead soft copper and will not damage the braided steel cable. Use in conjunction with ATI520CT Pull Tester.

**ATI520CTD3 Pull Tester Cable Jaws - 3/32".**  
Jaws are made of dead soft copper and will not damage the braided steel cable. Use in conjunction with ATI520CT Pull Tester. NSN #5120-01-465-3706

**ATI520CTD4 Pull Tester Cable Jaws - 1/8".**  
Jaws are made of dead soft copper and will not damage the braided steel cable. Use in conjunction with ATI520CT Pull Tester.

ATI520CTD3

**ATI520CTD-5 Pull Tester Cable Jaws - 5/32".**  
Jaws are made of dead soft copper and will not damage the braided steel cable. Use in conjunction with ATI520CT Pull Tester.

**ATI520CTD6 Pull Tester Cable Jaws - 3/16".**  
Jaws are made of dead soft copper and will not damage the braided steel cable. Use in conjunction with ATI520CT Pull Tester.

**ATI520CTD-7 Pull Tester Cable Jaws - 7/32".**  
Jaws are made of dead soft copper and will not damage the braided steel cable. Use in conjunction with ATI520CT Pull Tester.

**ATI520CTD-8 Pull Tester Cable Jaws - 1/4".**  
Jaws are made of dead soft copper and will not damage the braided steel cable. Use in conjunction with ATI520CT Pull Tester.

**Disclaimer:**

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