

WARWOOD TOOL COMPANY

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CATALOG

(Forged Steel Tools)

ADZES

GARDEN TOOLS

MAULS

SLEDGES

BARS

HAMMERS

PICKS

TONGS

CHISELS

HOES

BULL PINS

WEDGES

DRIFT PINS

MATTOCKS

PUNCHES

WRENCHES

MANHOLE COVER LIFTERS

RAILROAD TRACK TOOLS

IMPORTANT NOTICE

Need help in quoting tools to any U.S. Government Agencies or
The General Service Administration from "CID's" 5110 or 5120 Numbers?

Need help in quoting Railroad Track Tools to A.R.E.M.A. (American
Railway Engineering and Maintenance of Way), formerly A.R.E.A.?

VISIT OUR WARWOOD TOOL COMPANY WEB PAGE

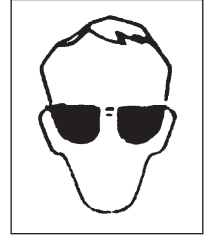
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Catalog
No. 2008

WARWOOD TOOL COMPANY

PROTECT YOUR EYES WEAR SAFETY GOGGLES

OSHA Regulations 29 CFR 1910.133 requires the use of eye protection not only to workers using striking tools, but to nearby workers in the immediate work area. Similar requirements are contained in OSHA Construction Standards 29 CFR 1926.102. Mine Safety and Health Administration requires eye protection in the Mining environment 30 CFR 55.14-4, 30 CFR 56-15-4, 30 CFR 57-15-4, 30 CFR 75.1720(a) and 30 CFR 77.1710(a).



GENERAL TERMS AND CONDITIONS

ALL PREVIOUS QUOTATIONS AND PRICE LISTS ARE HEREBY WITHDRAWN AND CONSIDERED NULL AND VOID.

Payment Terms: 2% discount, 15 days from date of invoice, net 30 days. Past due accounts will be subject to a service charge of 1 $\frac{1}{2}$ % per month.

Shipping Terms: Full freight will be allowed on shipments of 1,000 lbs. or more to any point in the Continental United States. Warwood Tool reserves the right to ship via the least expensive route.

Minimum Invoice Charge: Our minimum order and invoice charge is \$75.00 or a \$5.00 service fee is added to invoice.

Returned Goods: No merchandise is to be returned without Warwood Authorization. Returned goods, when authorized, must be returned prepaid freight. Credit will be issued at invoice price at time of shipment less 15% restocking charge, plus cost of initial outgoing freight. If it is necessary to recondition or repack returned goods, additional charges will be assessed. Credit for returned goods may be applied only toward the purchase of other Warwood products. Credits cannot be applied for cash rebates.

Shortage or Damage: In the event of any shortage or damages, notify at once the delivery transportation agent. File claim properly and be certain all shortage and damaged goods are signed and noted on the freight bill at the time of delivery.

Losses and damages which occur in transit are the carrier's responsibility, and such claims should be filed promptly with the carrier.

Packaging: We request that you purchase all items according to our catalog packaging schedule. Items not ordered according to our packaging schedule will be increased to the next higher package schedule.

Disclaimer: Warwood Tool Company makes no warranty, express, implied or statutory, including any implied warranty of merchantability and/or fitness for any particular purpose, with respect to any of its tools. In addition, Warwood Tool Company shall not be liable for any damages arising out of or occasioned by the selection, application, use or operation of its tools.

Specifications: Specifications and plans in this catalog include those published by the American National Standards Institute, Inc. (A.N.S.I.) and/or AREMA American Railway Engineering Maintenance of Way Association (A.R.E.A.) or AREMA and/or Federal Specifications and/or the United States Department of Commerce Simplified Practice Recommendations (heavy forged hand tools) unless otherwise specified. If ordering to American Railway Engineering Association Specifications designate AREA or AREMA Plan, Type and Grade of steel desired. Warwood Tool Company highly recommends using current AREMA Specifications when possible.

Warwood Finish: Most Warwood carbon steel tools, unless otherwise requested, are painted blue. Warwood regular alloy tools are stamped "Alloy" and painted blue. Railroad Track Tools will be furnished per designated AREA Specifications which could be painted or unpainted depending on the year and AREA Plan or AREMA specified. Made in the U.S.A.

HEAVY STRIKING TOOLS

INTRODUCTION. Striking and struck tools are made in various types and sizes with varying degrees of hardness and different configurations for specific purposes. They should be selected for their intended use and used only for those purposes. Proper use of practically all types involves certain basic rules:

- (1) Always wear safety goggles when using striking or struck tools, or when near someone else who is doing so.
- (2) A hammer blow should always be struck squarely with the hammer striking face parallel with the surface being struck. Always avoid glancing blows and over and under strikes.
- (3) The striking face of the hammer should have a diameter approximately 3/8" larger than the struck face of the tool.
- (4) Never use one hammer to strike another hammer.
- (5) Never use a striking or struck tool with loose or damaged handle.
- (6) Discard any striking or struck tool if tool shows dents, cracks, chips, mushrooming, or excessive wear.
- (7) Never redress striking tools. Cutting edges of struck tools may be returned to the original shape with a file or whetstone.

Blacksmiths' or Engineers' Hammers and Sledges, Double Face

DESCRIPTION. This is the most commonly used type of sledge hammer and is made in slightly different head configurations. All patterns have crowned striking faces with beveled edges.

PROPER USES. Sledges are designed for general sledging operations in striking wood, metal, concrete or stone. Common uses are drifting heavy timbers and striking spikes, cold chisels, rock drills and hardened nails, and wood splitting wedges.

ABUSE/MISUSE. NEVER use a sledge to strike a hammer, sledge, or maul. NEVER use a sledge with a loose or damaged handle.

Woodchoppers' Mauls

DESCRIPTION. Woodchoppers' mauls have a round, bevel-edged striking face with a splitting edge opposite.

PROPER USES. These tools are designed for splitting wood. Also, they are used in conjunction with wood splitting wedges by first making a notch with the splitting edge and then driving the wedge with the maul's striking face.

ABUSE/MISUSE. NEVER use this tool in striking concrete. NEVER drive one maul by striking it with another maul, sledge or other striking tool.

Hand Drilling Hammers

DESCRIPTION. These heavy, short-handled hammers are made in slightly varying configurations. The double-faced head has crowned and beveled striking faces.

PROPER USES. These hammers are designed for use with chisels, punches, star drills and hardened nails. Their design per-

mits heavy blows with limited swing – especially advantageous in restricted working areas.

ABUSE/MISUSE. NEVER use these tools for sledging or stone work.

Stone Sledges and Spalling Hammers

DESCRIPTION. These are stone masons' tools. The sledge usually has a crowned, oval striking face with a napping face opposite. The spalling hammer has a beveled striking face.

PROPER USES. Stone sledges are designed for breaking up stone and concrete. The spalling hammers are designed for cutting and shaping stone and concrete. The pein ends of stone sledges and spalling hammers are intended specifically for making score lines in stone and masonry.

ABUSE/MISUSE. NEVER use these tools for striking metal. NEVER use pein ends of stone sledges or spalling hammers for breaking up stone or masonry. They are for marking and scoring purposes only.

Blacksmiths' Hand Hammers and Cross Pein Sledges

DESCRIPTION. These heavy-duty hammers are designed for use in striking metal. Striking face is crowned with beveled edge.

PROPER USES. The striking face is designed for general blacksmith work in striking unhardened metal. The peins are used for shaping (fullering) and bending unhardened metal.

ABUSE/MISUSE. NEVER use a sledge to strike a hammer, sledge or maul.



PROTECT YOUR EYES ...

When using . . .
or in a striking tool zone

Wear Safety Goggles

STRUCK TOOLS

INTRODUCTION. The striking and struck faces of tools are designed to direct the force of blows toward the center or body of the tool. Blows struck off center are not directed toward the body of the tool where they can be absorbed, but rather travel directly along the sides of the tool where there is insufficient back-up material. The net effect is shearing rather than cushioning which is dangerous.

The angle and thickness of the cutting edges of tools are designed to give maximum cut and durability. When the cutting edge becomes dull, not only does the cutting ability decrease, but the durability is drastically reduced. Many failures are caused by dullness.

Wood Splitting Wedges

PROPER USES. Wood splitting wedges are designed for splitting logs, firewood, staves and other wood products. Always use a woodchoppers' maul or an axe to make a starting notch. Wedges should be struck with a sledge or woodchoppers' maul having a larger striking face than the struck face of the wedge.

Hot Chisels

PROPER USES. Hot chisels are designed for cutting hot steel. They are very similar to blacksmiths' cold chisels except that

the cutting edge or bit is wider and the blade is thinner.

ABUSE/MISUSE. NEVER use hot chisels for cutting cold metal, stone or concrete. NEVER use a dull chisel or one with a mushroomed head. If cutting edge is dull it may be redressed.

Cold Chisels

PROPER USES. Cold chisels have a cutting edge at one end for cutting, shaping and removing metal softer than the cutting edge itself and a struck face on the opposite end.

ABUSE/MISUSE. NEVER use cold chisels for cutting or splitting stone or concrete. NEVER use a dull chisel or one with a mushroomed head.

Blacksmiths' Punches – Round and Backing Out

DESCRIPTION. The punch end of the round punch is tapered from point to body, whereas the punch end of the backing out punch is the same diameter from point to body. Both types are fitted with handles.

PROPER USES. Blacksmiths' round punches are designed for drifting holes, aligning and driving pins. Blacksmiths' backing out punches are designed for backing out bolts, rivets and pins. Do not use for grouser pin installation or removal.

ABUSE/MISUSE. NEVER use a punch with a mushroomed struck face or a chipped or deformed point.

WHEN TO REPLACE. Discard any punch if it is bent or shows dents, cracks, chips, mushrooming or excessive wear. If point end is deformed, it may be redressed.

NOTE:

Copies of the booklet "Hand Tool Safety—Guide to Selection and Proper Use" can be obtained from Hand Tools Institute, 25 North Broadway, Tarrytown, NY 10591

Proper Use – Abuse/Misuse Of Railroad Track Tools

All railroad track tools, including Hot Cutters, Track Chisels, Crow Bars, Sledges, Picks, Spike Mauls, Spike Pullers and Wrenches have a specific use for a specific job.

Such tools are not to be abused and are not to be used for purposes other than their intended use. For example, railroad spike mauls are specifically intended to be used for driving railroad spikes only. Do not use a spike maul for grouser pin installation or removal. Uses of railroad track tools for other than their intended use can result in serious bodily injury.

Tools should be inspected before being used. Discard any striking or struck tool immediately at the first sign of chipping, mushrooming, or cracking. Never use a tool with a loose or damaged handle.

Safety goggles or equivalent eye protection conforming to American National Standard Practice for Occupational and Educational Eye and Face Protection, ANSI Z87.1-1979, should be worn by the user and all persons in the immediate area where any striking tool is being used, to avoid eye injury from flying objects.

A heavy striking-tool blow should always be struck squarely with the striking face parallel with the surface being struck. Always avoid glancing blows and over and under strikes.

No area, section, or portion of the striking tool shall be ground, welded, re-heat treated, or otherwise altered from the original condition as furnished by the manufacturer.

DO NOT EVER STRIKE THE HEEL OF A CLAW BAR WITH ANOTHER TOOL!

USE ONLY TO REMOVE SPIKE AFTER USING A SPIKE LIFTER FIRST TO FREE IT UP!

RECOMMENDED PUBLICATIONS ON THE USE OF RAILROAD TRACK TOOLS

If you are not familiar with the proper use of various railroad track tools, we urge you to read the latest edition of **The Track Cyclopedia**, which is compiled and edited in cooperation with the Association of American Railroads. Other recommended publications on the use of track tools are:

TRACK FOREMAN'S TRAINING PROGRAM — Lesson No. 3, "Track Tools and Basic Equipment"

TRACK FOREMAN'S TRAINING PROGRAM — Lesson No. 21, "Safety"

Meets Track Safety Standards Effective November 1, 1982.

The above and other important track educational material can be procured by writing:

The Railway Educational Bureau, 1809 Capitol Avenue, Omaha, NE 68102

The National Railroad Construction & Maintenance Association (NRC)
500 New Jersey Avenue NW, Suite 400, Washington, DC 20001 • website at www.nrcma.org

We also highly recommend **Safety Requirements for Heavy Striking Tools** published by A.N.S.I., which offers important safety instructions on the use of striking tools. This publication can be procured by writing:

American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018

Warwood Tool Company has a number of **DVD Safety Films** on the safe and proper use of railroad and other hand tools. These DVDs can be obtained upon request by our Distributors, for their own use and the use of consumers for a period of 14 days. If retained beyond that period, a replacement fee will be charged.

Hand Tool Reference Charts are also available for school classroom instruction; industry safety programs; do-it-yourself groups and/or for professional groups.



TRACK TOOLS



Warwood Tool manufactures to American National Standards Institute, Inc. (A.N.S.I.) and to various American Railway Engineering Association Track Tool Specifications, as well as to a number of International Track Tool Specifications. Most of these items can be found in our Catalog and Price List. If ordering to American Railway Engineering Association Specifications, please designate on your order the plan and year number. If ordering to current Track Tool Specifications Warwood Tool Company recommends the usage of track tools to these latest AREMA Specifications if possible.

Plan Number	Description	Grades of Steel	Page	How to Specify in Warwood Numbers
1-02	Clay Pick	Carbon	5	No. 30, Plan 1 Carbon
2-02	Tamping Pick	Carbon	5	No. 2-T, Plan 2 Carbon
3-02	Spike Maul	Grade B Alloy	8	No. 3-T-A-B Alloy B Plan-3
4-62	Track Wrenches	Carbon	20	No. 4-T-SE Single End Plan 4 No. 4-T-DE Double End Plan 4
5-02	Lining Bars	Carbon	12	Nos. 160, 161 or 162 Pinch Wedge, or Diamond Point Plan 5
6-02	Rail Tongs	Carbon	19	No. 6-T, Plan 6-02
7-93	Tie Tongs	Carbon	19	No. 7-T, Plan 7-93
8-93	Timber Tongs	Carbon	19	No. 8-T, Plan 8-93
9-94	Spike Puller	Carbon	20	No. 9-T, Plan 9-94
11-97	Claw Bar	Carbon	13	No. 163, Plan 11-39, 11-62, 11-97
12-62	Track Adze	Carbon or Alloy A	5	No. 12-T Carbon, Plan 12 or No. 12-T-A Alloy, Plan 12
12-A-62	Carpenter's Adze	Carbon	5	No. 12-T-C Carbon
13-02	Double Face Sledge	Grade B Alloy	11	No. 534-A-B Alloy B, Plan 13
14-02	Chisel End Tamping Bar	Carbon	16	No. 14-T Plan 14
17-02	Track Chisel	Grade B Alloy	18	No. 17-T-A-B Alloy B, Plan 17
19-02	Round Track Punch	Grade B Alloy	19	No. 19-T-A-B Alloy, Plan 19
35-02	Nut Cutter	Grade B Alloy	18	No. 17-T-A-B-S Alloy B, Plan 35
36-02	Hot Cutter	Grade B Alloy	17	No. 455-AB Alloy, Plan 36

HELP AVAILABLE


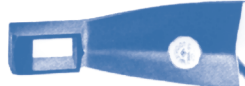
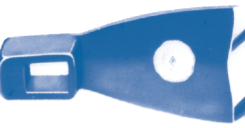



Warwood Tool Company has special inhouse people to help you interpret any and all of your railroad specifications. We can offer you special pricing on your inquiries for volume purchases as well as firm annual pricing to the desired specifications. Such arrangements can be promptly handled by faxing all such inquiries to us at (304) 277-1420 or by calling (304) 277-1414.

CAT. No.	PRODUCT	STOCK NO.	WT. EACH	LIST	RESALE	NET
	 <p>LIGHT CUTTER MATTOCK Heads and Handles Packed Separately</p> <p>High Carbon Steel</p>					
HLC LC	Complete with 36" long hickory handle—packed separately Head only—without handle Slip on handle only-#7 Eye.....	00021 3 00020 6 90022 3	4 1/4 lb. 4 1/4 lb.			
	 <p>FOREST ADZE HOE Heads and Handles Packed Separately</p> <p>High Carbon Steel</p>					
HFH FH	Complete with 34" long hickory handle—packed separately Head only—without handle (6 1/4" Blade) Slip on handle only-34" ADZE Handle	00061 9 00060 2 90015 5	4 3/4 lb. 4 3/4 lb.			

	ITEM	STOCK NO.	WT.	TOOL LGTH.	EYE No.	LIST	RESALE	NET
 <p>NO. 1 CUTTER MATTOCK</p>	<i>Catalog No. 1</i> CUTTER MATTOCK High Carbon Steel - Heat Treated Tool only with 36" Handle Tool only with 36" Handle Tool only with 36" Handle Packed 5 per carton Slip on 36" handle only	00110 4 00111 1 00120 3 00121 0 00130 2 00131 9 90020 9 & 90022 3*	3 lb.* 3 lb.* 5 lb. 5 lb. 6 lb. 6 lb.	13" 13" 15 3/4" 15 3/4" 16 1/2" 16 1/2"	7 7 6 6 6 6			
 <p>NO. 2 PICK MATTOCK</p>	<i>Catalog No. 2</i> PICK MATTOCK High Carbon Steel - Heat Treated Tool only with 36" Handle Tool only with 36" Handle Packed 5 per carton Slip on 36" handle only	00210 1 00211 8 00220 0 00221 7 90020 9	5 lb. 5 lb. 6 lb. 6 lb.	19" 19" 20" 20"	6 6 6 6			




WARWOOD TOOL COMPANY





FORGED STEEL
HAND TOOLS

		ITEM	STOCK NO.	WT.	TOOL LGTH.	EYE No.	LIST	RESALE	NET		
 NO. 12-T TRACK ADZE AREMA PLAN 12-62	<i>Catalog No. 12-T</i> TRACK ADZE (4"x 9" Blade) High Carbon Steel - Heat Treated Tool only with 34" Handle..... Packed 5 per carton Slip on 34" handle only		01200 1 01201 8 90015 5	6 lb. 6 lb.	12" 12"	11 11					
	 NO. 12-T-A TRACK ADZE ALLOY AREMA PLAN 12-62	<i>Catalog No. 12-T-A</i> TRACK ADZE (4"x 9" Blade) Alloy Steel Tool only with 34" Handle..... Packed 5 per carton Slip on handle only		21200 5 21201 2 90015 5	6 lb. 6 lb.	12" 12"	11 11				
		 NO. 12-T-C CARPENTER ADZE AREMA PLAN 12-A-62	<i>Catalog No. 12-T-C</i> CARPENTER ADZE (5"x 5 5/8" Blade) High Carbon Steel - Heat Treated Tool only with 34" Handle..... Packed 5 per carton Slip on 34" handle only		01220 9 01221 6 90015 5	5 lb. 5 lb.	9 1/4" 9 1/4"	11 11			
 NO. 30 RAILROAD CLAY PICK Point and Chisel Ends			<i>Catalog No. 30</i> RAILROAD CLAY PICK Point and Chisel Ends High Carbon Steel - Heat Treated Tool only with 36" Handle..... Tool only with 36" Handle..... Tool only AREMA PLAN 1-02 with 36" Handle..... Tool only with 36" Handle..... Tool only with 36" Handle..... Tool only with 36" Handle..... Packed 5 per carton Slip on 36" handle only		03010 4 03011 1 03020 3 03021 0 03030 2 03031 9 03040 1 03041 8 03050 0 03051 7 90020 9	5 lb. 5 lb. 6 lb. 6 lb. 7 lb. 7 lb. 8 lb. 8 lb. 9 lb. 9 lb.	21" 21" 23" 23" 25" 25" 26" 26" 27" 27"	6 6 6 6 6 6 6 6 6 6			
	 NO. 32 DOUBLE SQUARE POINT CLAY PICK		<i>Catalog No. 32</i> DOUBLE SQUARE POINT CLAY PICK High Carbon Steel - Heat Treated Tool only with 36" Handle..... Packed 5 per carton Slip on handle only		03220 7 03221 4 90020 9	7 lb. 7 lb.	25" 25"	6 6			
		 NO. 2-T TAMPING PICK "V"	<i>Catalog No. 2-T</i> TAMPING PICK "V" AREMA PLAN 2-02 High Carbon Steel - Heat Treated Tool only with 36" Handle..... Packed 5 per carton Slip on handle only		02000 6 02001 3 90020 9	8 lb. 8 lb.	24 1/2" 24 1/2"	6 6			
			NO. 2-T-A TAMPING PICK "V" ALLOY	<i>Catalog No. 2-T-A</i> ALLOY STEEL Tool only with 36" Handle..... Packed 5 per carton Slip on handle only		22000 0 22001 7 90020 9	8 lb. 8 lb.	24 1/2" 24 1/2"	6 6		

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FORGED STEEL
HAND TOOLS



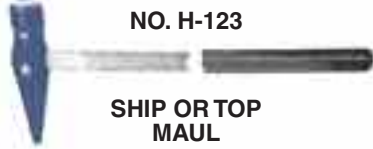
	ITEM	STOCK NO.	WT.	TOOL LGTH.	EYE No.	LIST	RESALE	NET
 NO. 40 CONTRACTOR'S PICK Double Round Point	<i>Catalog No. 40</i> CONTRACTOR'S PICK Double Round Point High Carbon Steel - Heat Treated	04010 3	8 lb.	30"	6			
	Tool only	04011 0	8 lb.	30"	6			
	with 36" Handle.....							
	Slip on 36" handle only	90020 9						
 NO. 49 DRIFTING PICK	<i>Catalog No. 49</i> DRIFTING PICK High Carbon Steel - Heat Treated	04910 6	4 lb.	21"	10			
	Tool only	04911 3	4 lb.	21"	10			
	with 36" Handle.....	04920 5	5 lb.	25"	10			
	Tool only	04921 2	5 lb.	25"	10			
	with 36" Handle.....							
 NO. 501 COAL PICK Cutting Pattern	<i>Catalog No. 501</i> COAL PICK Cutting Pattern High Carbon Steel - Heat Treated	50130 7	3 lb.	17"	10			
	Tool only	50131 4	3 lb.	17"	10			
	with 36" Handle.....	50140 6	3 1/2 lb.	18"	10			
	Tool only	50141 3	3 1/2 lb.	18"	10			
	with 36" Handle.....							
	36" Handle only.....	90013 1						

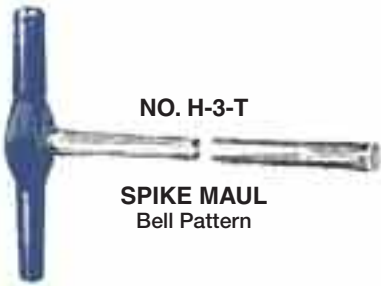
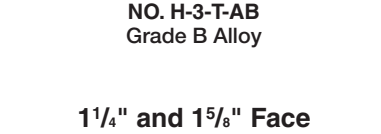
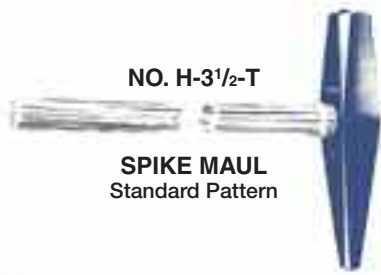

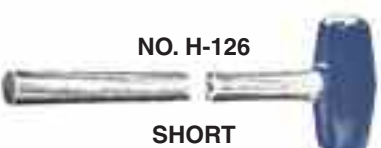
	ITEM	STOCK NO.	WT.	LGTH.	TOOL HEAD	LIST	RESALE	NET
 NO. 80 SQUARE HEAD WEDGE	<i>Catalog No. 80</i> SQUARE HEAD WEDGE High Carbon Steel	08010 9	3 lb.	7 1/2"	1 1/2" Sq.			
	Packed 5 per carton	08020 8	4 lb.	8 1/2"	1 5/8" Sq.			
		08030 7	5 lb.	9"	1 3/4" Sq.			
		08040 6	6 lb.	10"	1 7/8" Sq.			
		08050 5	8 lb.	11"	2" Sq.			
 NO. 95 EXPANSION WEDGE	<i>Catalog No. 95</i> EXPANSION WEDGE High Carbon Steel	09510 3	8 lb.	14"	1 1/2" x 1 1/4"			
	Packed 5 per carton							
 NO. 400 JIMMY WEDGE	<i>Catalog No. 400</i> JIMMY WEDGE High Carbon Steel	40010 5	1 1/2 lb.	10"	1/2" x 1 1/2"			
	Bulk packed	40020 4	3 lb.	14"	1/2" x 2"			
 NO. 702 FOUNDRY WEDGE	<i>Catalog No. 702</i> FOUNDRY WEDGE High Carbon Steel Unpainted	70210 0	3/4 lb.	6"	3/4" x 1 1/8"			
	Bulk packed							

WARWOOD TOOL COMPANY

FORGED STEEL
HAND TOOLS

	ITEM	STOCK NO.	WT.	LGTH.	TOOL HEAD	LIST	RESALE	NET	
 <p>NO. 703 JOINT BREAKING WEDGE</p>	<i>Catalog No. 703</i> JOINT BREAKING WEDGE High Carbon Steel 1/4 lb. to 3/4 lb. – Bulk packed 6 1/2 lb. – 5 per carton	70300 8 70310 7 70320 6 70330 5 70380 0	1/4 lb. 1/2 lb. 1/2 lb. 3/4 lb. 6 1/2 lb.	2" 3" 4" 6" 10"	1/4" x 3/4" 5/16" x 7/8" 5/16" x 1 1/4" 1/2" x 1 1/4" 2" x 2"				
	If you need sizes not listed above – let us quote your special requirements. Furnish us with length, width and thickness and quantity required.								

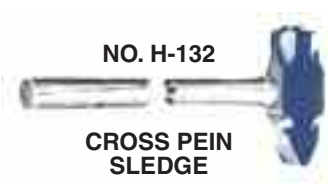

	ITEM	STOCK NO.	WT.	EYE Size	TOOL LGTH.	LIST	RESALE	NET
 <p>NO. H-121 WOOD CHOPPERS MAUL Oregon Oval Eye</p>	<i>Catalog No. H-121</i> WOOD CHOPPERS MAUL Oregon Oval Eye High Carbon Steel - Heat Treated Tool only with 32" Handle..... Tool only with 32" Handle..... Packed 5 per carton	12110 9 12111 6 12120 8 12121 5	6 lb. 6 lb. 8 lb. 8 lb.	1" x 1 3/8" 1" x 1 3/8" 1" x 1 3/8" 1" x 1 3/8"	8 1/2" 8 1/2" 9 1/8" 9 1/8"			
 <p>NO. H-122 WOOD CHOPPERS MAUL Oregon Axe Eye</p>	<i>Catalog No. H-122</i> WOOD CHOPPERS MAUL Double Bit Axe Eye High Carbon Steel - Heat Treated Tool only with 32" Handle..... Tool only with 32" Handle..... Packed 5 per carton	12210 6 12211 3 12220 5 12221 2	6 lb. 6 lb. 8 lb. 8 lb.	7/8" x 2 1/8" 7/8" x 2 1/8" 7/8" x 2 1/8" 7/8" x 2 1/8"	8 1/2" 8 1/2" 9 1/8" 9 1/8"			
 <p>NO. H-123 SHIP OR TOP MAUL</p>	<i>Catalog No. H-123</i> SHIP or TOP MAUL High Carbon Steel - Heat Treated Tool only with 32" Handle..... with 34" Fiberglass Handle.. Packed 5 per carton	12310 3 12311 0 12315 8	5 lb. 5 lb. 5 lb.	1" x 1 3/8" 1" x 1 3/8" 1" x 1 3/8"	8 3/4" 8 3/4" 8 3/4"			

	ITEM	STOCK NO.	WT.	EYE Size	TOOL LGTH.	LIST	RESALE	NET
 <p>NO. H-3-T SPIKE MAUL Bell Pattern</p>	<i>Catalog No. H-3-T</i> SPIKE MAUL Bell Pattern High Carbon Steel - Heat Treated Tool only 00300 9 with 36" Handle..... 00301 6 with 34" Fiberglass Handle.. 00305 4							
	FOR SPIKING ONLY 1"×1 ³ / ₈ " 15" 1"×1 ³ / ₈ " 15" 1"×1 ³ / ₈ " 15"							
 <p>NO. H-3-T-AB Grade B Alloy</p> <p>1¹/₄" and 1⁵/₈" Face</p>	<i>Catalog No. H-3-T-AB</i> Grade B Alloy Steel Tool only 50360 8 with 36" Handle..... 50361 5 with 34" Fiberglass Handle.. 50365 3 Packed 4 per carton AREMA PLAN 3-02							
	FOR SPIKING ONLY 1"×1 ³ / ₈ " 15" 1"×1 ³ / ₈ " 15" 1"×1 ³ / ₈ " 15"							
 <p>NO. H-3¹/₂-T SPIKE MAUL Standard Pattern</p>	<i>Catalog No. H-3¹/₂-T</i> SPIKE MAUL Standard Pattern High Carbon Steel - Heat Treated Tool only 00380 1 with 36" Handle..... 00381 8 with 34" Fiberglass Handle.. 00385 6 Tool only 00390 0 with 36" Handle..... 00391 7 with 34" Fiberglass Handle.. 00395 5 Packed 4 per carton							
	FOR SPIKING ONLY 1"×1 ³ / ₈ " 12" 1"×1 ³ / ₈ " 12" 1"×1 ³ / ₈ " 12" 1"×1 ³ / ₈ " 13" 1"×1 ³ / ₈ " 13" 1"×1 ³ / ₈ " 13" Also available in Grade B Alloy Steel							
 <p>NO. H-124 SHORT HAND DRILLING HAMMER</p>	<i>Catalog No. H-124</i> SHORT HAND DRILLING HAMMER High Carbon Steel - Heat Treated Tool only 12410 0 with 10 ¹ / ₂ " Handle 12411 7 Tool only 12420 9 with 10 ¹ / ₂ " Handle 12421 6 Tool only 12430 8 with 10 ¹ / ₂ " Handle 12431 5 Packed 5 per carton Replacement Handle 90010 0							
	5/8"×7/8" 3 ¹ / ₂ " 5/8"×7/8" 3 ¹ / ₂ " 3/4"×1" 4" 3/4"×1" 4" 3/4"×1" 4 ¹ / ₂ " 3/4"×1" 4 ¹ / ₂ "							
 <p>NO. H-126 SHORT STRIKING HAMMER Oregon Pattern</p>	<i>Catalog No. H-126</i> SHORT STRIKING HAMMER High Carbon Steel - Heat Treated Tool only 12620 3 with 16" Handle..... 12621 0 Tool only 12630 2 with 32" Handle..... 12631 9 Tool only 12640 1 with 32" Handle..... 12641 8 Tool only 12660 9 with 36" Handle..... 12661 6							
	3/4"×1" 5" 3/4"×1" 5" 1"×1 ³ / ₈ " 5 ⁵ / ₈ " 1"×1 ³ / ₈ " 5 ⁵ / ₈ " 1"×1 ³ / ₈ " 6 ¹ / ₄ " 1"×1 ³ / ₈ " 6 ¹ / ₄ " 1"×1 ³ / ₈ " 7 ¹ / ₄ " 1"×1 ³ / ₈ " 7 ¹ / ₄ " 1"×1 ³ / ₈ " 7 ¹ / ₄ " 1"×1 ³ / ₈ " 7 ¹ / ₄ " with 32" Fiberglass Handle.. 12645 6 with 35" Fiberglass Handle.. 12665 4 Packed 5 per carton							

	ITEM	STOCK NO.	WT.	EYE Size	TOOL LGTH.	LIST	RESALE	NET
 <p>NO. H-127 LONG STRIKING HAMMER Nevada Pattern</p>	<i>Catalog No. H-127</i> LONG STRIKING HAMMER High Carbon Steel - Heat Treated							
	Tool only	12720 0	4 lb.	3/4"×1"	5 3/4"			
	with 16" Handle.....	12721 7	4 lb.	3/4"×1"	5 3/4"			
	Tool only	12730 9	6 lb.	1"×1 3/8"	6 1/2"			
	with 32" Handle.....	12731 6	6 lb.	1"×1 3/8"	6 1/2"			
	Tool only	12740 8	8 lb.	1"×1 3/8"	7 1/4"			
	with 32" Handle.....	12741 5	8 lb.	1"×1 3/8"	7 1/4"			
	Tool only	12760 6	12 lb.	1"×1 3/8"	8"			
	with 36" Handle.....	12761 3	12 lb.	1"×1 3/8"	8"			
	Tool only	12770 5	16 lb.	1"×1 3/8"	8 1/2"			
	with 36" Handle.....	12771 2	16 lb.	1"×1 3/8"	8 1/2"			
	with 32" Fiberglass Handle ..	12735 4	6 lb.	1"×1 3/8"	6 1/2"			
	with 32" Fiberglass Handle ..	12745 3	8 lb.	1"×1 3/8"	7 1/4"			
	with 35" Fiberglass Handle ..	12765 1	12 lb.	1"×1 3/8"	8"			
 <p>NO. H-128 MASON HAMMER</p>	<i>Catalog No. H-128</i> MASON HAMMER High Carbon Steel - Heat Treated							
	Tool only	12810 8	3 lb.	5/8"×1 1/8"	6 1/4"			
	with 16" Handle.....	12811 5	3 lb.	5/8"×1 1/8"	6 1/4"			
	Tool only	12820 7	4 lb.	5/8"×1 1/8"	6 3/4"			
	with 16" Handle.....	12821 4	4 lb.	5/8"×1 1/8"	6 3/4"			
	Tool only	12830 6	6 lb.	5/8"×1 1/8"	7 3/4"			
	with 16" Handle.....	12831 3	6 lb.	5/8"×1 1/8"	7 3/4"			
Packed 5 per carton								
Replacement Handle	90008 7							
 <p>NO. H-129 SPALLING HAMMER</p>	<i>Catalog No. H-129</i> SINGLE FACE SPALLING HAMMER High Carbon Steel - Heat Treated							
	Tool only	12910 8	4 lb.	3/4"×1"	6"			
	with 16" Handle.....	12911 2	4 lb.	3/4"×1"	6"			
	Tool only	12930 3	8 lb.	1"×1 3/8"	7 3/4"			
	with 36" Handle.....	12931 0	8 lb.	1"×1 3/8"	7 3/4"			
Packed 5 per carton								
 <p>NO. H-131 STONE SLEDGE</p>	<i>Catalog No. H-131</i> STONE SLEDGE High Carbon Steel - Heat Treated							
	Tool only	13110 8	6 lb.	1"×1 3/8"	6 1/4"			
	with 32" Handle.....	13111 5	6 lb.	1"×1 3/8"	6 1/4"			
	Tool only	13120 7	8 lb.	1"×1 3/8"	7 1/4"			
	with 36" Handle.....	13121 4	8 lb.	1"×1 3/8"	7 1/4"			
	Tool only	13140 5	12 lb.	1"×1 3/8"	8 1/4"			
	with 36" Handle.....	13141 2	12 lb.	1"×1 3/8"	8 1/4"			
	Tool only	13150 4	16 lb.	1"×1 3/8"	9 1/4"			
	with 36" Handle.....	13151 1	16 lb.	1"×1 3/8"	9 1/4"			
	with 34" Fiberglass Handle ..	13125 3	8 lb.	1"×1 3/8"	7 1/4"			
	with 34" Fiberglass Handle ..	13145 1	12 lb.	1"×1 3/8"	8 1/4"			
with 34" Fiberglass Handle ..	13155 0	16 lb.	1"×1 3/8"	9 1/4"				
Packed 5 per carton								

WARWOOD TOOL COMPANY

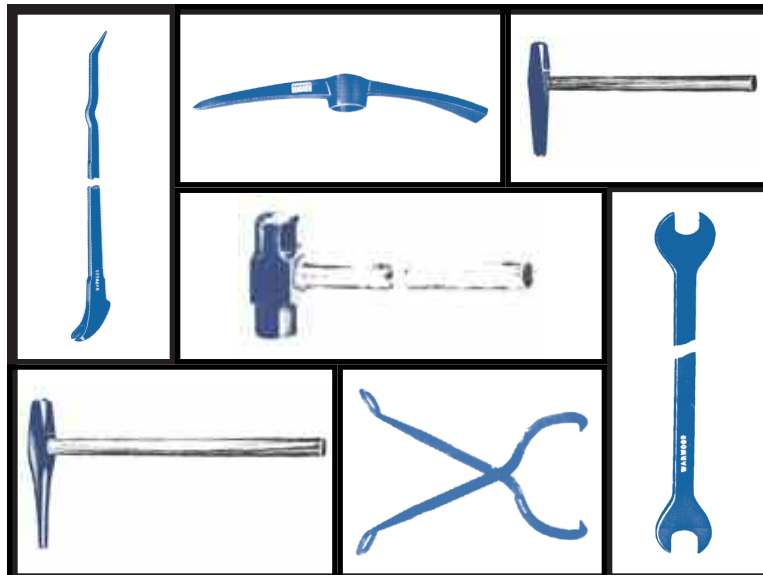
FORGED STEEL
HAND TOOLS

	ITEM	STOCK NO.	WT.	EYE Size	TOOL LGTH.	LIST	RESALE	NET	
 <p>NO. H-132 CROSS PEIN SLEDGE</p>	<i>Catalog No. H-132</i>								
	CROSS PEIN SLEDGE								
	High Carbon Steel - Heat Treated								
	Tool only	13210 5	2 lb.	3/4"×1"	4 ⁵ / ₈ "				
	with 16" Handle.....	13211 2	2 lb.	3/4"×1"	4 ⁵ / ₈ "				
	Tool only	13220 4	2 ¹ / ₂ lb.	3/4"×1"	5"				
	with 16" Handle.....	13221 1	2 ¹ / ₂ lb.	3/4"×1"	5"				
	Tool only	13230 3	3 lb.	3/4"×1"	5 ¹ / ₄ "				
	with 16" Handle.....	13231 0	3 lb.	3/4"×1"	5 ¹ / ₄ "				
	Tool only	13240 2	4 lb.	3/4"×1"	6"				
	with 16" Handle.....	13241 9	4 lb.	3/4"×1"	6"				
	Tool only	13250 1	6 lb.	1"×1 ³ / ₈ "	6 ¹ / ₂ "				
	with 32" Handle.....	13251 8	6 lb.	1"×1 ³ / ₈ "	6 ¹ / ₂ "				
	Tool only	13260 0	8 lb.	1"×1 ³ / ₈ "	7"				
	with 32" Handle.....	13261 7	8 lb.	1"×1 ³ / ₈ "	7"				
	Tool only	13270 9	12 lb.	1"×1 ³ / ₈ "	8"				
	with 36" Handle.....	13271 6	12 lb.	1"×1 ³ / ₈ "	8"				
		with 16" Fiberglass Handle ..	13215 0	2 lb.	3/4"×1"	4 ⁵ / ₈ "			
		with 16" Fiberglass Handle ..	13225 9	2 ¹ / ₂ lb.	3/4"×1"	5"			
		with 16" Fiberglass Handle ..	13235 8	3 lb.	3/4"×1"	5 ¹ / ₄ "			
	with 16" Fiberglass Handle ..	13245 7	4 lb.	3/4"×1"	6"				
	with 32" Fiberglass Handle ..	13255 6	6 lb.	1"×1 ³ / ₈ "	6 ¹ / ₂ "				
	with 32" Fiberglass Handle ..	13265 5	8 lb.	1"×1 ³ / ₈ "	7"				
	with 34" Fiberglass Handle ..	13275 4	12 lb.	1"×1 ³ / ₈ "	8"				
	Packed 5 per carton								
 <p>NO. H-133 STRAIGHT PEIN SLEDGE</p>	<i>Catalog No. H-133</i>								
	STRAIGHT PEIN SLEDGE								
	High Carbon Steel - Heat Treated								
	Tool only	13310 2	8 lb.	1"×1 ³ / ₈ "	6"				
	with 32" Handle.....	13311 9	8 lb.	1"×1 ³ / ₈ "	6"				
Tool only	13340 9	12 lb.	1"×1 ³ / ₈ "	8"					
	with 32" Handle.....	13341 6	12 lb.	1"×1 ³ / ₈ "	8"				
	Packed 5 per carton								

WARWOOD TOOL COMPANY RAILROAD TRACK MAINTENANCE TOOLS

Specifications: Railroad track tools are manufactured to AREMA or A.R.E.A. (American Railway Engineering and Maintenance of-way Association) specifications. These tools are manufactured out of high carbon steel or alloy steel in accordance with AREMA or A.R.E.A. designated plan specifications. Always be sure to designate the plan and the year.

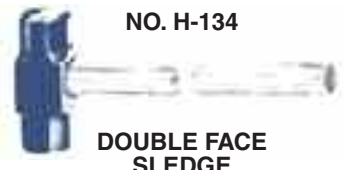


We also manufacture many other hand tools that you will find in our current catalog/price list, available upon request.



Payment Terms: 2% discount, 15 days from date of Invoice or net 30 days.

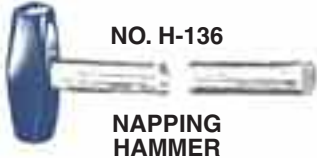
Shipping Terms: F.O.B. Wheeling, W.V. or full freight will be allowed on shipment of 1,000 lbs. or more to any point in the Continental U.S. per Warwood Tool Co. designated carriers.







Minimum Order \$75.00

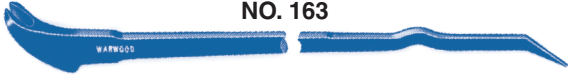




	ITEM	STOCK NO.	WT.	EYE Size	TOOL LGTH.	LIST	RESALE	NET	
 <p>NO. H-134 DOUBLE FACE SLEDGE</p>	<i>Catalog No. H-134</i>		HIGH CARBON STEEL						
	DOUBLE FACE SLEDGE High Carbon Steel - Heat Treated								
	Tool only	13410 9	2 lb.	3/4"×1"	4 1/4"				
	with 16" Handle.....	13411 6	2 lb.	3/4"×1"	4 1/4"				
	Tool only	13420 8	2 1/2 lb.	3/4"×1"	4 1/2"				
	with 16" Handle.....	13421 5	2 1/2 lb.	3/4"×1"	4 1/2"				
	Tool only	13430 7	3 lb.	3/4"×1"	4 3/4"				
	with 16" Handle.....	13431 4	3 lb.	3/4"×1"	4 3/4"				
	Tool only	13440 6	4 lb.	3/4"×1"	5 1/4"				
	with 16" Handle.....	13441 3	4 lb.	3/4"×1"	5 1/4"				
	Tool only	13450 5	6 lb.	1"×1 3/8"	6"				
	with 32" Handle.....	13451 2	6 lb.	1"×1 3/8"	6"				
	Tool only	13460 4	8 lb.	1"×1 3/8"	6 1/2"				
	with 32" Handle.....	13461 1	8 lb.	1"×1 3/8"	6 1/2"				
	Tool only	13470 3	10 lb.	1"×1 3/8"	7"				
	with 36" Handle.....	13471 0	10 lb.	1"×1 3/8"	7"				
	Tool only	13480 2	12 lb.	1"×1 3/8"	7 1/2"				
	with 36" Handle.....	13481 9	12 lb.	1"×1 3/8"	7 1/2"				
	Tool only	13490 1	16 lb.	1"×1 3/8"	8 1/4"				
	with 36" Handle.....	13491 8	16 lb.	1"×1 3/8"	8 1/4"				
Tool only	13400 0	20 lb.	1 1/4"×1 1/2"	8 3/4"					
with 36" Handle.....	13401 7	20 lb.	1 1/4"×1 1/2"	8 3/4"					
	with 16" Fiberglass Handle ..	13415 4	2 lb.	3/4"×1"	4 1/4"				
	with 16" Fiberglass Handle ..	13425 3	2 1/2 lb.	3/4"×1"	4 1/2"				
	with 16" Fiberglass Handle ..	13435 2	3 lb.	3/4"×1"	4 3/4"				
	with 16" Fiberglass Handle ..	13445 1	4 lb.	3/4"×1"	5 1/4"				
	with 34" Fiberglass Handle ..	13455 0	6 lb.	1"×1 3/8"	6"				
	with 34" Fiberglass Handle ..	13465 9	8 lb.	1"×1 3/8"	6 1/2"				
	with 34" Fiberglass Handle ..	13475 8	10 lb.	1"×1 3/8"	7"				
	with 34" Fiberglass Handle ..	13485 7	12 lb.	1"×1 3/8"	8"				
	with 34" Fiberglass Handle ..	13495 6	16 lb.	1"×1 3/8"	8 1/4"				
 <p>NO. H-534-AB Grade B Alloy</p> <p>American Railway Assn. Grade B Alloy Steel AREMA PLAN 13-02 with Contour Ground Faces</p>	<i>Catalog No. H-534-AB</i>		GRADE B ALLOY STEEL AREMA PLAN 13-02						
	Grade B Alloy Steel - Heat Treated								
	Tool only	53310 0	2 lb.	3/4"×1"	4 1/4"				
	with 16" Handle.....	53311 7	2 lb.	3/4"×1"	4 1/4"				
	Tool only	53320 9	2 1/2 lb.	3/4"×1"	4 1/2"				
	with 16" Handle.....	53321 6	2 1/2 lb.	3/4"×1"	4 1/2"				
	Tool only	53400 8	3 lb.	3/4"×1"	4 3/4"				
	with 16" Handle.....	53401 5	3 lb.	3/4"×1"	4 3/4"				
	Tool only	53410 7	4 lb.	3/4"×1"	5 1/4"				
	with 16" Handle.....	53411 4	4 lb.	3/4"×1"	5 1/4"				
	Tool only	53420 6	6 lb.	1"×1 3/8"	6"				
	with 32" Handle.....	53421 3	6 lb.	1"×1 3/8"	6"				
	Tool only	53430 5	8 lb.	1"×1 3/8"	6 1/2"				
	with 32" Handle.....	53431 2	8 lb.	1"×1 3/8"	6 1/2"				
	Tool only	53440 4	10 lb.	1"×1 3/8"	7"				
	with 36" Handle.....	53441 1	10 lb.	1"×1 3/8"	7"				
	Tool only	53450 3	12 lb.	1"×1 3/8"	7 1/2"				
with 36" Handle.....	53451 0	12 lb.	1"×1 3/8"	7 1/2"					
Tool only	53460 2	16 lb.	1"×1 3/8"	8 1/4"					
with 36" Handle.....	53461 9	16 lb.	1"×1 3/8"	8 1/4"					
 <p>NO. H-534-AB Grade B Alloy</p> <p>DOUBLE FACE SLEDGE</p>	<i>Catalog No. H-534-AB</i>		GRADE B ALLOY STEEL AREMA PLAN 13-02						
	Grade B Alloy Steel - Heat Treated								
	with 16" Fiberglass Handle ..	53315 5	2 lb.	3/4"×1"	4 1/4"				
	with 16" Fiberglass Handle ..	53325 4	2 1/2 lb.	3/4"×1"	4 1/2"				
	with 16" Fiberglass Handle ..	53405 3	3 lb.	3/4"×1"	4 3/4"				
	with 16" Fiberglass Handle ..	53415 2	4 lb.	3/4"×1"	5 1/4"				
	with 32" Fiberglass Handle ..	53425 1	6 lb.	1"×1 3/8"	6"				
	with 32" Fiberglass Handle ..	53435 0	8 lb.	1"×1 3/8"	6 1/2"				
	with 34" Fiberglass Handle ..	53445 9	10 lb.	1"×1 3/8"	7"				
	with 34" Fiberglass Handle ..	53455 8	12 lb.	1"×1 3/8"	7 1/2"				
	with 34" Fiberglass Handle ..	53465 7	16 lb.	1"×1 3/8"	8 1/4"				
	Packed 5 per carton								

WARWOOD TOOL COMPANY

FORGED STEEL
HAND TOOLS







	ITEM	STOCK NO.	WT.	EYE Size	TOOL LGTH.	LIST	RESALE	NET
 <p>NO. H-136 NAPPING HAMMER</p>	<i>Catalog No. H-136</i> NAPPING HAMMER High Carbon Steel - Heat Treated							
	Tool only	13610 3	3 lb.	3/4"×1"	5 3/4"			
	with 16" Handle.....	13611 0	3 lb.	3/4"×1"	5 3/4"			
	Tool only	13620 2	4 lb.	3/4"×1"	6 1/4"			
	with 16" Handle.....	13621 9	4 lb.	3/4"×1"	6 1/4"			
	Tool only	13630 1	6 lb.	1"×1 3/8"	6 3/4"			
	with 32" Handle.....	13631 8	6 lb.	1"×1 3/8"	6 3/4"			
	Packed 5 per carton							

	ITEM	STOCK NO.	WT.	TOOL LGTH.	LIST	RESALE	NET
 <p>NO. 160 PINCH POINT CROW BAR</p>	<i>Catalog No. 160</i> PINCH POINT CROW BAR High Carbon Steel	16010 8	3 lb.	29"			
		16020 7	6 lb.	36"			
		16030 6	10 lb.	48"			
		16040 5	12 lb.	51"			
		16050 4	14 lb.	54"			
		16060 3	16 lb.	57"			
		16070 2	18 lb.	60"			
		16080 1	22 lb.	63"			
		16090 0	26 lb.	66"			
	 <p>NO. 161 WEDGE POINT CROW BAR</p>	<i>Catalog No. 161</i> WEDGE POINT CROW BAR High Carbon Steel	16110 5	3 lb.	29"		
		16120 4	6 lb.	36"			
		16130 3	10 lb.	48"			
		16140 2	12 lb.	51"			
		16150 1	14 lb.	54"			
		16160 0	16 lb.	57"			
		16170 9	18 lb.	60"			
		16180 8	22 lb.	63"			
		16190 7	26 lb.	66"			
 <p>NO. 162 DIAMOND POINT LINING BAR</p>	<i>Catalog No. 162</i> DIAMOND POINT LINING BAR High Carbon Steel	16210 2	18 lb.	60"			
		16220 1	22 lb.	63"			
		16230 0	26 lb.	66"			
 <p>NO. 164 TELEGRAPH LINING BAR</p>	<i>Catalog No. 164</i> TELEGRAPH LINING BAR High Carbon Steel	16400 7	21 lb.	1 1/8"×6'			
		16410 6	28 lb.	1 1/8"×8'			
		16430 4	24 lb.	1 1/8"×7'			
		16460 1	19 lb.	1 1/8"×5'			
 <p>NO. SP-164 SAN ANGELO DIGGING BAR</p>	<i>Catalog No. SP-164</i> SAN ANGELO DIGGING BAR High Carbon Steel	26410 3	11 lb.	7/8"×5'			
		26420 2	13 lb.	7/8"×6'			
		26440 0	14 lb.	1"×5'			
		26450 9	17 lb.	1"×6'			
		26460 8	20 lb.	1"×7'			
 <p>NO. 165 POST HOLE DIGGER & TAMPING BAR</p>	<i>Catalog No. 165</i> POST HOLE DIGGER High Carbon Steel	16500 4	13 lb.				
		16510 3	17 lb.				

	ITEM	STOCK NO.	WT.	TOOL LGTH.	AREA OR AREMA PLAN	LIST	RESALE	NET
 <p>NO. 163</p> <p>CLAW BAR</p>  <p>AREA PLAN 11-39 PLAN-A</p>  <p>AREA PLAN 11-62 PLAN-B</p>  <p>AREMA PLAN 11-97 PLAN-C</p>	<i>Catalog No. 163</i> CLAW BAR High Carbon Steel Heat Treated	16310 9 16320 8 16330 7	27 lb. 27 lb. 27 lb.	60" 60" 60"	11-39 11-62 11-97			
	<i>Catalog No. 263</i> CLAW BAR FOR MINI RAILROAD SPIKES High Carbon Steel Heat Treated	26360 1 26375 8	24 lb. 24 lb.	57" 57"	Slot size 3/8" x 2 1/2" or larger Slot Size 1/2" x 4" Spikes			
 <p>WARWOOD STANDARD WRECKING BAR</p> <p>NO. 166</p>	<i>Catalog No. 166</i> WARWOOD STANDARD WRECKING BAR High Carbon Steel Packed 10 per carton	16610 0 16620 9 16630 8 16640 7 16650 6 16660 5 16670 4 16690 2	1 lb. 2 lb. 3 1/2 lb. 4 1/4 lb. 5 1/4 lb. 7 1/2 lb. 12 1/2 lb. 14 lb.	12" 18" 24" 30" 36" 36" 48" 60"	1/2" Hex 5/8" Hex 3/4" Hex 3/4" Hex 3/4" Hex 7/8" Hex 1" Hex 1" Hex			
	<i>Catalog No. 166-C2</i> GOOSENECK WRECKING BAR DOUBLE CLAW High Carbon Steel Packed 10 per carton	16632 2 16642 1 16652 0	3 1/2 lb. 4 1/4 lb. 5 1/4 lb.	24" 30" 36"	3/4" Hex 3/4" Hex 3/4" Hex			
	<i>Catalog No. 167</i> ANCHOR EXTRACTOR With Rubber Grip	16750 3	1 lb.	9"	5/8" Rnd.			
	<i>Catalog No. 168</i> WARWOOD HEAT TREATED WRECKING BAR High Carbon Steel Heat Treated Packed 10 per carton	16820 3 16830 2 16840 1 16850 0 16860 9 16890 6	3 1/2 lb. 4 1/4 lb. 5 1/4 lb. 7 1/2 lb. 12 1/2 lb. 14 lb.	24" 30" 36" 36" 48" 60"	3/4" Hex 3/4" Hex 3/4" Hex 7/8" Hex 1" Hex 1" Hex			








WARWOOD TOOL COMPANY








FORGED STEEL
HAND TOOLS

	ITEM	STOCK NO.	WT.	TOOL LGTH.	STOCK	LIST	RESALE	NET	
 <p>NO. 158 OFFSET PINCH BAR</p>	<i>Catalog No. 158</i> OFFSET PINCH BAR	15810 5	3/4 lb.	13 1/2"	1/2" Rnd.				
		15820 4	1 1/2 lb.	16"	5/8" Hex				
		15830 3	3 lb.	24"	3/4" Hex				
		15840 2	3 1/4 lb.	26"	3/4" Hex				
		15850 1	5 1/2 lb.	30"	7/8" Hex				
		15860 0	6 1/2 lb.	36"	7/8" Hex				
		15870 9	8 lb.	36"	1" Hex				
		15880 8	10 3/4 lb.	48"	1" Hex				
		13 1/2" to 26" Packed 10 per carton							
		30" to 48" Packed 5 per carton							
 <p>NO. 159 STRAIGHT FIT-UP PINCH BAR</p>	<i>Catalog No. 159</i> STRAIGHT FIT-UP PINCH BAR	15910 2	3/4 lb.	14"	1/2" Rnd.				
		15920 1	1 1/2 lb.	16"	5/8" Hex				
		15930 0	3 lb.	24"	3/4" Hex				
		15940 9	3 1/4 lb.	26"	3/4" Hex				
		15950 8	5 1/2 lb.	30"	7/8" Hex				
		15960 7	6 1/2 lb.	36"	7/8" Hex				
		15970 6	8 lb.	36"	1" Hex				
		15980 5	10 3/4 lb.	48"	1" Hex				
		14" to 24" Packed 10 per carton							
		26" to 48" Packed 5 per carton							
 <p>NO. 169 TIMBER BAR</p>	<i>Catalog No. 169</i> TIMBER BAR	16910 1	18 lb.	60"	1 1/8" Hex				
	High Carbon Steel								
 <p>NO. 170 PINCH BAR with HEEL</p>	<i>Catalog No. 170</i> PINCH BAR with HEEL	17010 7	26 lb.	66"	1 1/2" RCS				
	High Carbon Steel								
 <p>NO. 171 ROLLING HEAD PRY BAR</p>	<i>Catalog No. 171</i> ROLLING HEAD PRY BAR	17100 5	1 lb.	16"	1/2" Hex				
	High Carbon Steel Packed 10 per carton								
 <p>NO. 172 STRIPPING BAR</p>	<i>Catalog No. 172</i> STRIPPING BAR	17210 1	5 1/4 lb.	36"	3/4" Hex				
		17220 0	8 1/2 lb.	42"	7/8" Hex				
		17230 9	12 1/2 lb.	48"	1" Hex				
		17240 8	12 1/2 lb.	48"	7/8" Hex				
		17250 7	18 lb.	72"	1" Hex				
	High Carbon Steel Packed 5 per carton								

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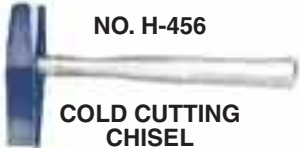
	ITEM	STOCK NO.	WT.	TOOL LGTH.	STOCK	LIST	RESALE	NET
 <p>NO. 173 STRIPPING BAR</p>	<i>Catalog No. 173</i> STRIPPING BAR Double Chisel Ends High Carbon Steel	17310 8 17320 7 17330 6 17350 4 17360 1	5 1/4 lb. 8 1/2 lb. 12 1/2 lb. 12 1/2 lb. 18 lb.	36" 42" 48" 48" 72"	3/4" Hex 7/8" Hex 1" Hex 7/8" Hex 1" Hex			
 <p>NO. 174 RAIL ANCHOR APPLICATION BAR</p>	<i>Catalog No. 174</i> RAIL ANCHOR APPLICATION BAR High Carbon Steel	17410 5	29 lb.	66 1/2"	2" Sq.			
 <p>NO. 175 STRAIGHT PINCH BAR</p>	<i>Catalog No. 175</i> STRAIGHT PINCH BAR High Carbon Steel Packed 20 per carton	17510 2	3/4 lb.	11 7/8"	9/16" Rnd.			
 <p>NO. 176 WAREHOUSE LOADING or JIMMY BAR</p>	<i>Catalog No. 176</i> WAREHOUSE LOADING or JIMMY BAR High Carbon Steel	17610 9 17620 8 17625 3 17630 7	14 lb. 18 lb. 22 lb. 26 lb.	54" 60" 63" 66"	1 1/8" Sq. 1 1/4" Sq. 1 3/8" Sq. 1 1/2" Sq.			
 <p>NO. 510 SLATE BAR</p>	<i>Catalog No. 510</i> SLATE BAR High Carbon Steel	51005 7 51010 1 51020 0 51030 9 51045 3	8 lb. 11 lb. 12 1/2 lb. 14 lb. 17 lb.	3' 4' 4 1/2' 5' 6'	1" Hex 1" Hex 1" Hex 1" Hex 1" Hex			
 <p>NO. 511 MINE PINCH BAR</p>	<i>Catalog No. 511</i> MINE PINCH BAR High Carbon Steel	51110 8	14 lb.	4 1/2'	1 1/8" Sq.			
 <p>NO. 513 SHIP SCRAPER / DOUBLE END SCRAPERS</p>	<i>Catalog No. 513</i> SHIP SCRAPER / DOUBLE END SCRAPERS High Carbon Steel Paint & Scale Removing Packed 10 per carton	51310 2	1 lb.	15"	1/4" x 1"			

	ITEM	STOCK NO.	WT.	TOOL LGTH.	STOCK	LIST	RESALE	NET
 <p>NO. 514 TRUCKMANS BENT CHISEL SLATE BAR</p>	<p><i>Catalog No. 514</i> TRUCKMANS BENT CHISEL SLATE BAR High Carbon Steel Diamond Point</p>	51410 9	11 lb.	48"	1" Hex			
		51420 8	12 1/2 lb.	54"	1" Hex			
		51430 7	14 lb.	60"	1" Hex			
		51440 6	18 lb.	60"	1 1/4" Hex			
		51450 5	21 lb.	72"	1 1/4" Hex			
 <p>NO. 515 CONNECTING BAR</p>	<p><i>Catalog No. 515</i> CONNECTING BAR High Carbon Steel Round Point</p>	51510 6	4 lb.	30"	3/4" Hex			
		51520 5	5 lb.	30"	7/8" Hex			
		51530 4	7 lb.	36"	7/8" Hex			
		51540 3	11 lb.	48"	1" Hex			
		51560 1	18 lb.	60"	1" Hex			
 <p>NO. 516 CONSTRUCTION STRAIGHT CHISEL SLATE BAR</p>	<p><i>Catalog No. 516</i> CONSTRUCTION STRAIGHT CHISEL SLATE BAR High Carbon Steel Diamond Point</p>	51610 3	12 1/2 lb.	52 1/2"	1" Hex			
		51620 2	14 lb.	60"	1" Hex			
		51630 1	18 lb.	60"	1 1/8" Hex			
		51640 0	19 lb.	60"	1 1/4" Hex			
		51650 9	21 lb.	72"	1" Hex			
		51655 4	21 lb.	72"	1 1/4" Hex			
		51660 8	21 lb.	72"	1 1/8" Hex			
 <p>NO. 550 PEERLESS or PENCIL POINT BAR</p>	<p><i>Catalog No. 550</i> PEERLESS or PENCIL POINT BAR High Carbon Steel</p>		A=3" Point B=6" Point					
		55010 7	14 lb. A	60"	1" Hex			
		55020 6	14 lb. B	60"	1" Hex			
		55030 5	17 lb. A	72"	1" Hex			
		55040 4	17 lb. B	72"	1" Hex			
		55050 3	11 lb. A	60"	7/8" Hex			
		55060 2	11 lb. B	60"	7/8" Hex			
 <p>NO. 561 WAREHOUSE BAR OFFSET STRAIGHT SMALL CHISEL</p>	<p><i>Catalog No. 561</i> WAREHOUSE BAR OFFSET STRAIGHT SM. CHISEL High Carbon Steel</p>	56110 3	11 lb.	4'	1"			
		56120 2	14 lb.	5'	1"			
		56130 1	17 lb.	6'	1"			
 <p>NO. 661 DIE SETTING UP U-SHAPED PRY BAR</p>	<p><i>Catalog No. 661</i> DIE SETTING UP U-SHAPED PRY BAR High Carbon Steel Packed 10 per carton</p>	66110 0	1 3/4 lb.	18"	5/8" Hex			
		66120 9	4 lb.	30"	3/4" Hex			
 <p>NO. 14-T CHISEL END TAMPING BAR</p>	<p><i>Catalog No. 14-T</i> CHISEL END TAMPING BAR High Carbon Steel AREMA PLAN 14-02</p>	01400 5	15 lb.	61"	Shaft 7/8" Dia. Rnd.			
						35° ANGLE OFF SET ROUND		

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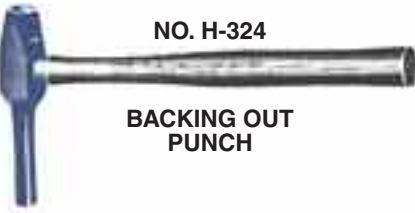
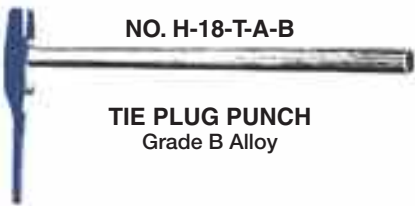
FORGED STEEL
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	ITEM	STOCK NO.	TOOL LGTH.	WT.	LIST	RESALE	NET
 <p>NO. 444 PULLER HOOK BAR</p>	<i>Catalog No. 444</i> PULLER HOOK BAR High Carbon Steel Packed 10 per carton	44410 9	5/8"×18"	2 3/4 lb.			
		44420 8	5/8"×26"	3 lb.			
		44425 3	5/8"×30"	3 1/2 lb.			
		44430 7	5/8"×36"	4 lb.			
		44440 6	3/4"×26"	4 1/2 lb.			
		44450 5	3/4"×30"	4 3/4 lb.			
		44460 4	3/4"×36"	5 1/4 lb.			
 <p>NO. 454 MANHOLE COVER LIFTERS</p>	<i>Catalog No. 454</i> MANHOLE COVER LIFTERS High Carbon Steel Packed 10 per carton	45410 8	5/8"×18"	2 3/4 lb.			
		45420 7	5/8"×26"	3 lb.			
		45425 2	5/8"×30"	3 1/2 lb.			
		45430 6	5/8"×36"	4 lb.			
		45440 5	3/4"×26"	4 1/2 lb.			
		45450 4	3/4"×30"	4 3/4 lb.			
		45460 3	3/4"×36"	5 1/4 lb.			

	ITEM	STOCK NO.	SIZE	WT.	LIST	RESALE	NET
 <p>NO. H-455 HOT CUTTING CHISEL</p>	<i>Catalog No. H-455</i> HOT CUTTING CHISEL Heat Treated						
	Tool only	45510 5	Bit 1 1/2"	2 lb.			
	with 16" Handle	45511 2	Bit 1 1/2"	2 lb.			
	Tool only	45520 4	Bit 2"	3 lb.			
	with 16" Handle	45521 1	Bit 2"	3 lb.			
	Tool only	45530 3	Bit 2 1/4"	5 lb.			
	with 24" Handle	45531 0	Bit 2 1/4"	5 lb.			
	Packed 5 per carton						
 <p>NO. H-456 COLD CUTTING CHISEL</p>	<i>Catalog No. H-456</i> COLD CUTTING CHISEL Heat Treated						
	Tool only	45610 2	Bit 1 1/4"	2 lb.			
	with 16" Handle	45611 9	Bit 1 1/4"	2 lb.			
	Tool only	45620 1	Bit 1 1/2"	3 lb.			
	with 16" Handle	45621 8	Bit 1 1/2"	3 lb.			
	Tool only	45630 0	Bit 1 3/4"	5 lb.			
	with 24" Handle	45631 7	Bit 1 3/4"	5 lb.			
	Packed 5 per carton						

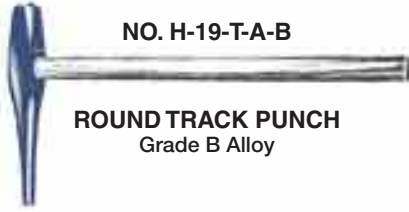
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	ITEM	STOCK NO.	SIZE	WT.	LIST	RESALE	NET
 <p>NO. H-17-T-A-B</p> <p>TRACK CHISEL Slim Pattern Grade B Alloy</p>	<i>Catalog No. H-17-T-A-B</i> TRACK CHISEL Slim Pattern Grade B Alloy Steel AREMA PLAN 17-02 Tool only 51700 1 with 24" Handle 51701 8 Non Slip Grip 36" Handle 51702 7						
	<i>Catalog No. H-17-T-A-S-B</i> NUT CUTTER Grade B Alloy Steel AREMA PLAN 35-02 Tool only 51710 0 with 24" Handle 51711 7 Packed 5 per carton						
 <p>NO. H-324</p> <p>BACKING OUT PUNCH</p>	<i>Catalog No. H-324</i> BACKING OUT PUNCH Heat Treated Tool only 32410 4 with 16" Handle 32411 1 Tool only 32420 3 with 16" Handle 32421 0 Tool only 32430 2 with 16" Handle 32431 9 Tool only 32440 1 with 16" Handle 32441 8 Tool only 32450 0 with 16" Handle 32451 7 Tool only 32460 9 with 16" Handle 32461 6 with 16" Fiberglass Handle 32415 9 with 16" Fiberglass Handle 32425 8 with 16" Fiberglass Handle 32435 7 with 16" Fiberglass Handle 32445 6 with 16" Fiberglass Handle 32455 5 with 16" Fiberglass Handle 32465 4 Packed 5 per carton						
	<i>Catalog No. H-467</i> ROUND PUNCH Heat Treated Tool only 46730 6 with 16" Handle 46731 3 Tool only 46740 5 with 16" Handle 46741 2 Tool only 46750 4 with 16" Handle 46751 1 Tool only 46760 3 with 16" Handle 46761 0 Tool only 46770 2 with 16" Handle 46771 9 Packed 5 per carton						
 <p>NO. H-18-T-A-B</p> <p>TIE PLUG PUNCH Grade B Alloy</p>	<i>Catalog No. H-18-T-A-B</i> TIE PLUG PUNCH Grade B Alloy Steel Tool only 21800 7 with 24" Handle 21801 4 with 36" Handle 21802 3 Packed 5 per carton						

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FORGED STEEL
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	ITEM	STOCK NO.	SIZE	WT.	LIST	RESALE	NET
 <p>NO. H-19-T-A-B ROUND TRACK PUNCH Grade B Alloy</p>	<i>Catalog No. H-19-T-A-B</i> ROUND TRACK PUNCH Grade B Alloy Steel AREMA PLAN 19-02 Tool only 21900 4 with 24" Handle 21901 1 with 36" Handle 21902 3 Packed 5 per carton						
			1 1/16" Dia.	5 1/2 lb.			
			1 1/16" Dia.	5 1/2 lb.			
			1 1/16" Dia.	5 1/2 lb.			


	ITEM	STOCK NO.	WT.	LIST	RESALE	NET
 <p>NO. 6-T RAIL TONG</p>	<i>Catalog No. 6-T</i> RAIL TONGS AREMA PLAN 6-02 Distance across handles 44"		00600 0	18 lb.		
				Max jaw opening 3 3/4"		
 <p>NO. 7-T TIE TONG</p>	<i>Catalog No. 7-T</i> TIE TONGS One-Man Type AREMA PLAN 7-93		00700 7	10 lb.		
				Max jaw opening 15 1/2" 29" Length		
 <p>NO. 8-T TIMBER TONG</p>	<i>Catalog No. 8-T</i> TIMBER TONGS Two-Man Type AREMA PLAN 8-93 Distance across handles 41 3/4"		00800 4	12 lb.		
				Max jaw opening 15 1/2"		

	ITEM	STOCK NO.	SIZE SWELL	TOOL LGTH.	HOLE SIZE	LIST	RESALE	NET
 <p>NO. 334 DRIFT PIN</p>	<i>Catalog No. 334</i> DRIFT PIN Short Barrel Type High Carbon Steel Bulk Packed		33420 2 9/16" Dia.	6 1/2"	1/2" Dia.			
			33430 1 1 1/16" Dia.	7"	5/8" Dia.			
			33440 0 1 3/16" Dia.	7 1/2"	3/4" Dia.			
			33450 9 1 5/16" Dia.	8"	7/8" Dia.			
			33460 8 1 1/16" Dia.	8 1/2"	1" Dia.			
			33470 7 1 3/16" Dia.	10"	1 1/8" Dia.			
			33480 6 1 5/16" Dia.	11"	1 1/4" Dia.			
 <p>NO. 336 BULL PIN</p>	<i>Catalog No. 336</i> BULL PIN High Carbon Steel Bulk Packed		33600 8 1 5/16" Dia.	15"	POINT SIZE 5/16" Dia.			
			33610 7 1 1/16" Dia.	12"	3/8" Dia.			
			33620 6 1 1/16" Dia.	15"	3/8" Dia.			
			33630 5 1 3/16" Dia.	15"	7/16" Dia.			
			33640 4 1 1/4" Dia.	12"	7/16" Dia.			
			33650 3 1 5/16" Dia.	12"	7/16" Dia.			
 <p>NO. 338 BROAD HEAD BULL PIN</p>	<i>Catalog No. 338</i> BROAD HEAD BULL PIN Bulk Packed		33810 1 1 1/16" Dia.	10"	POINT SIZE 1/4" Dia.			
			33820 0 1 1/4" Dia.	13"	5/16" Dia.			

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	ITEM	STOCK NO.	BOLT SIZE	JAW OPENING	LIST	RESALE	NET
 <p>NO. 301</p> <p>CONSTRUCTION WRENCH</p> <p>NO. 302 HEAVY</p>	<i>Catalog No. 301</i> CONSTRUCTION ERECTION WRENCH U.S. Regular Alloy	30120 4 30130 3 30140 2 30150 1 30160 0	1/2" 5/8" 3/4" 7/8" 1"	13/16" 1" 1 1/8" 1 5/16" 1 1/2"			
	<i>Catalog No. 302-H</i> Heavy U.S. Special Alloy	30230 0 30240 9 30250 8 30260 7	5/8" 3/4" 7/8" 1"	1 1/16" 1 1/4" 1 7/16" 1 5/8"			

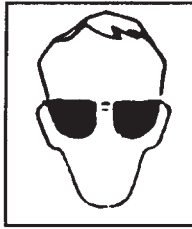
	ITEM	STOCK NO.	BOLT SIZE	JAW OPENING	LIST	RESALE	NET	
 <p>NO. 4-T-DE</p> <p>DOUBLE END TRACK WRENCH</p>	<i>Catalog No. 4-T-DE</i> DOUBLE END TRACK WRENCH High Carbon Steel AREMA PLAN 4-62	41010 4 41020 3 41030 2 41040 1 41050 0	3/4" & 7/8" 7/8" & 1" 1" & 1 1/8" 1 1/8" & 1 1/4" 1 1/4" & 1 3/8"	1 5/16" & 1 1/2" 1 1/2" & 1 11/16" 1 11/16" & 1 7/8" 1 7/8" & 2 1/16" 2 1/16" & 2 1/4"				
	<i>Catalog No. 4-T-SE</i> SINGLE END TRACK WRENCH High Carbon Steel AREMA PLAN 4-62	42010 3 42020 2 42030 1 42040 0 42050 9 42060 8	3/4" 7/8" 1" 1 1/8" 1 1/4" 1 3/8"	1 5/16" 1 1/2" 1 11/16" 1 7/8" 2 1/16" 2 1/4"				
	<i>Catalog No. 9-T</i> SPIKE PULLER 4 Ball High Carbon Steel AREMA PLAN 9-94 Packed 10 per carton	09000 9	2 1/2 lb.	3/4"	12" Length			

THE FOLLOWING PROCEDURE SHOULD BE USED TO REPLACE TOOL HANDLES.

- (1) Always wear eye protection.
- (2) Remove old handle by sawing close to the tool. Be sure the replacement handle has proper safety warnings.
- (3) Place the tool on a proper support and drive out the part of handle remaining in the eye from the side opposite the wedges.
- (4) Clean the eye. Check inside the eye for pieces of the old handle and for any damage to the tool.
- (5) Select the correct replacement handle. Do not use a handle if it is not the right size or shape.
- (6) Partially insert the handle into the eye to check for proper fit. Check to see if the handle and tool come into contact on the entire circumference of the eye.
- (7) Lubricate the eye portion of the handle. Waterless hand cleaner or a wax crayon may be used.
- (8) Place tool on a proper support so eye portion of handle can be driven through the tool to ensure a tight fit. Drive the handle on tight. Be careful not to drive the handle to the point where the back side of the tool cuts deeply into the handle. This will damage the handle and could lead to the handle failing. The collar of the handle should be approximately 3/4 to 1 inch from the tool.
- (9) After the handle has been seated properly, cut off the excess of the handle sticking out from the eye flush with the tool.
- (10) Open the slot in the tool handle in the eye of the tool with a chisel or similar tool.
- (11) Drive a wood wedge into slot as deeply as is possible. Trim or file off wedge flush with tool.
- (12) Drive a steel wedge in center of eye. The steel wedge may be either circular or flat. If flat, it is to be driven at a right angle to wood wedge. Drive wedge flush with the tool. Be careful of glancing blows that might cause the steel wedge to chip or mushroom.
- (13) The above instructions apply to drive on handles. For slip on handles used with tools such as picks and adzes, drive out the old handle, slip head onto new handle, and tap firmly on a solid base until a tight fit is achieved.

Unless otherwise specified – all Warwood HANDLED Tools are furnished in Hickory Grade Handles. We can also furnish handled tools with Hickory Non-Slip Handles for a nominal extra charge. We can also furnish most of our products with Fiberglass Handles. If not indicated in this price list please let us know and we will quote your requirement.

HANDLES ONLY		ITEM REPLACEMENT HANDLES	STOCK NO.	LIST	RESALE	NET
		REPLACEMENT HICKORY HANDLES				
ENGINEERS / HAND DRILLING		10 1/2" Hand Drilling Handle	090010 0			
		16" Driving Hammer Handle	090011 7			
		16" Engineer, Blacksmith, Backing Out Punch Handle . . .	090007 0			
		16" Mason Hammer Handle	090008 7			
		32" Sledge Handle	090002 5			
		36" Sledge & Maul Handle	090003 2			
		36" Sledge Handle (20 lb.)	090005 6			
		24" Track Chisel & Track Punch Handle	090009 4			
		36" Spike Mauls Handle	090041 1			
		36" Track Chisel & Track Punch Handle	090031 5			
		34" Forest & Track Adze Handle	090015 5			
		#6 Eye Pick or Mattock Handle (36")	090020 9			
		#7 Eye Pick or Mattock Handle (36")	090022 3			
	#8 Eye Grub Hoe Handle (36")	090027 8				
	#10 Eye Coal & Drift Pick Handle (36")	090013 1				
		SAFETY GRIP HANDLES				
	16" Engineer, Blacksmith & Backing Out Punch Handle	090025 4				
	36" Sledge & Maul Handle	090026 1				
	36" Track Chisel & Track Punch Handle	090030 8				
	36" Spike Maul Handle	090040 9				
		FIBERGLASS HANDLES				
	16" Mason Hammer Handle	090014 4				
	16" Sledge, Engineer, Blacksmith, Backing Out Punch Handle	090023 2				
	34" Sledge Maul Handle	090024 3				



PROTECT YOUR EYES

When using...
or in a striking tool zone

Wear Safety Goggles

Eye Specifications

The shapes of the eyes of the different tools listed and described in the preceding pages are designated by numbers corresponding to those of the U.S. Dept. of Commerce Heavy Forged Hand Tools, Simplified Practice Recommendation—R17-47, effective October 15, 1947.

Eye formula:

- A—Size of stock.
- B—40 percent of A.
- C—125 percent of B approximate.
- D—5/6 of B.
- E—To suit dimensions B, C, and D.

Note—Warwood Tools have a tolerance limit of 1/16 in. above and 3/16 in. under all eyes to allow for punch wear.

On eyes #2, 3, 4—
3° taper on cross section.
4° taper on long section.

