WEIL

INDUSTRIAL HARDWARE

INDUSTRIAL GRADE FASTENERS AND TOOLS

230 Merrick Rd, Oceanside, NY 11572 // Phone: 516.442.3811 or 800.638.0067 // Fax: 516.442.3813 // E-mail: Sales@Weilhardware.com

TERMS & CONDITIONS OF SALE

TERMS ..... NET 30 Days.

FREIGHT ..... FOB Oceanside, NY.

MINIMUM ..... No minimum required.

RETURNS ..... No goods to be returned without prior permission in writing.

CANCELATION..... Orders can be cancelled only with Weil's consent.

NON-STOCK ITEMS ..... All non-stock orders are non-cancellable and non-refundable.

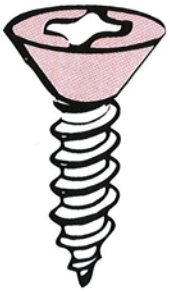
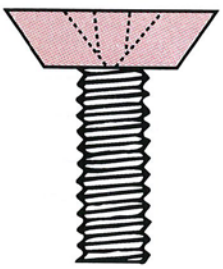
CLAIMS ..... Claims for shortages or incorrectly filled orders must be made within 10 days.

CREDIT ..... Concerns placing first order and not rated satisfacrily in Dunn & Bradstreet are requested to furnish three trade references and the name/address of their bank. Cash in advance or C.O.D. is suggested for first orders that are needed quickly.

WARRANTY INFORMATION

At Weil's discretion, we guarantee to replace or refund the purchase price of any products or parts which are found defective if notified within 30 days from the date of shipment. Weil's obligation with such products or parts shall be limited to replacement or repair, and in no event shall Weil be liable for consequential, incidental, or special damages, or for transportation, installation, adjustment, or other expenses that may arise in connectior with such products or parts. THIS WARRANTY IS EXPRESSLY MADE IN LIEU OF ANY AND ALL OTHER WARRANTIES EXPRESS OR IMPLIED INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

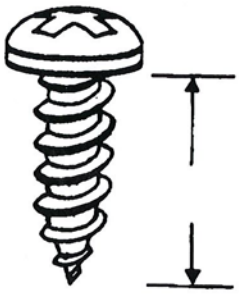
SCREW HEAD STYLES

PAN HEAD	FLAT HEAD 	TRUSS HEAD
HEX WASHER HEAD	OVAL HEAD	HEX HEAD
PH FLAT UNDERCUT 	★ All above available with painted heads. ★ We're specialists in 18-8 Stainless. ★ Steel, zinc-plated for protection. ★ 410 Stainless. *If you need something that you don't see here . . .* *CALL US*	

SCREW DIMENSIONS

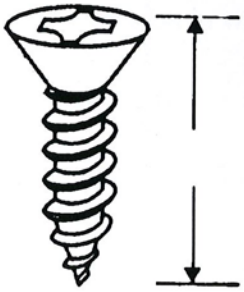
DETERMINING LENGTH

PAN TRUSS, HEX & FILLISTER



Length determined from under head to tip of screw. (This includes type B screws and thread cutters.)

FLAT, OVAL, UNDERCUT



Measure from edge of head to tip of screw.

DETERMINING DIAMETER & HEAD SIZE

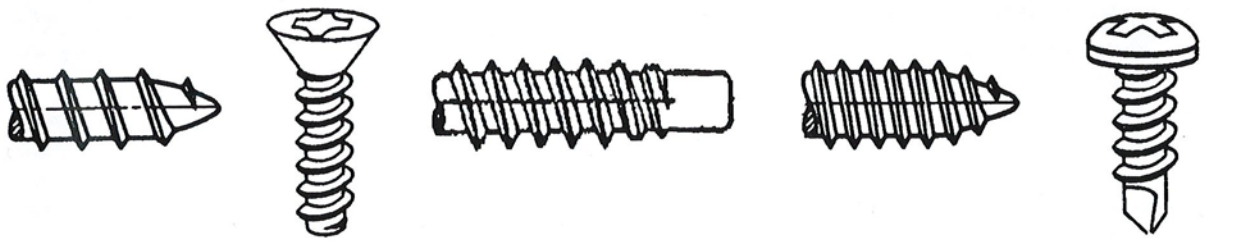
USE CALIPER

DIAMETETR Thickness of screw including the threads. For diameter on Thread Cutter use chart as approximate only (see chart below)

HEAD SIZE Chart approximate for checking Head Diameter. Chart important for Flat Head Screws in Window Industry. Due to variations in window accessories (i.e. the latches and locks), chart also good for head measurement for tight extrusion applications.

SCREW SIZE	DIAMETER OF SCREW			DIMENSION OF HEADS		
	Max.		Min	Pan.	Flat/Oval	Truss
4	.114	TO	.110	.219/.205	.225/.195	.257/.241
6	.116	TO	.135	.270/.256	.279/.244	.321/.303
7	.158	TO	.151	.296/.291	.305/.268	--
8	.168	TO	.161	.322/.306	.332/.292	.384/.364
10	.194	TO	.188	.374/.357	.385/.340	.448/.425

SCREW THREAD TYPES



TYPE A | **TYPE B** | **PILOT POINT** | **TYPE AB** | **TEK POINT** Self Drilling

THREAD CUTTERS / THREAD ROLLERS

TYPE F | **ROLOK Thread Rolling** | **TYPE 25**

WEIGHTS TAPPING SCREWS TYPE A

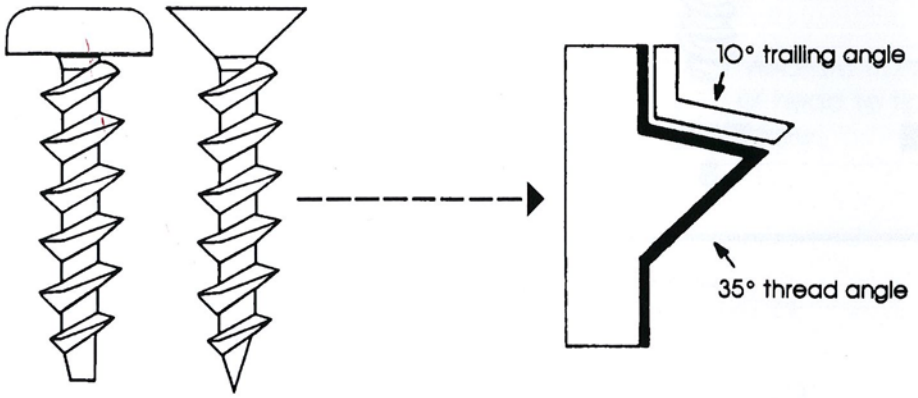
(WEIGHTS PER M PCS.)

	6's		8's		10's	
	PAN	FL	PAN	FL	PAN	FL
3/8	1.79	1.54	2.63	2.20	4.00	-
1/2	2.20	1.85	3.17	2.70	4.59	-
5/8	2.50	2.20	3.57	3.17	5.00	-
3/4	2.86	2.53	4.17	3.57	5.81	-
1	3.64	3.33	5.10	4.72	7.46	-
1 1/2			7.14	6.67		

All above weights are approximate to Wire Diamenter, Head Size, Vinyl grips ae lighter.

VINYL-GRIP® SCREWS

For a screw to really hold in vinyl, it is essential that it has the 10° trailing angle of our VINYL-GRIP® series. A 35° thread-leading edge, as seen in this diagram, is also necessary to form the "wedging-pressure" that provides maximum hold and minimal pull-out even with continued vibration and movement.



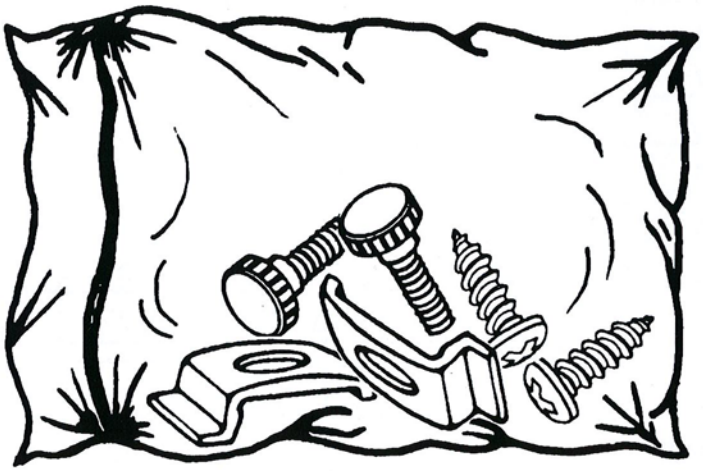
B Point A Point
Pilot points also available.

Easy to drive, hard to shake loose.

"Wedging-pressure" is formed by the initial "bite" of the thread angle, the relatively greater amount of material gripping area, now pressed tightly against the 10° trailing edge of the thread forming an actual wedge that jams the screw-shaft into the vinyl with great rigidity.

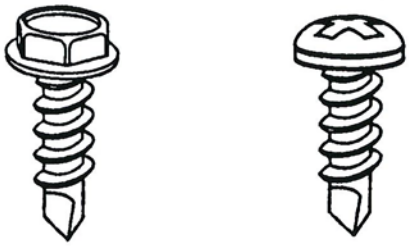
WEIL'S SCREW-BAGGING SERVICE

We will custom-bag your screw order . . . just tell us your needs when you place your order.



TEKS®

SELF-DRILLING SCREWS
Steel 2/P 410 Stainless

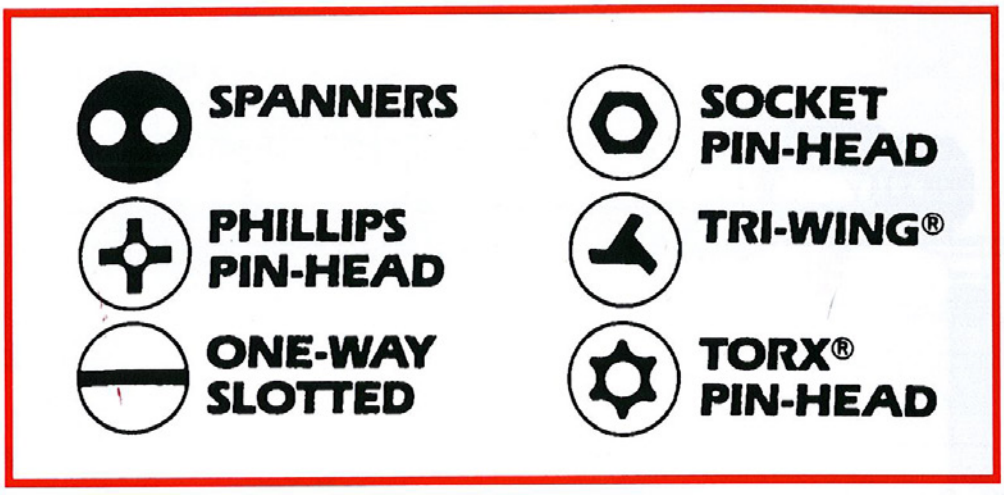


TEKS® for assembly of window and other metal fabrication.

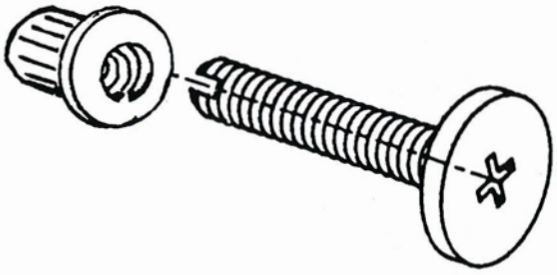
Special flat-head TEKS® to fix locks and keepers.

Please specify material and thickness.

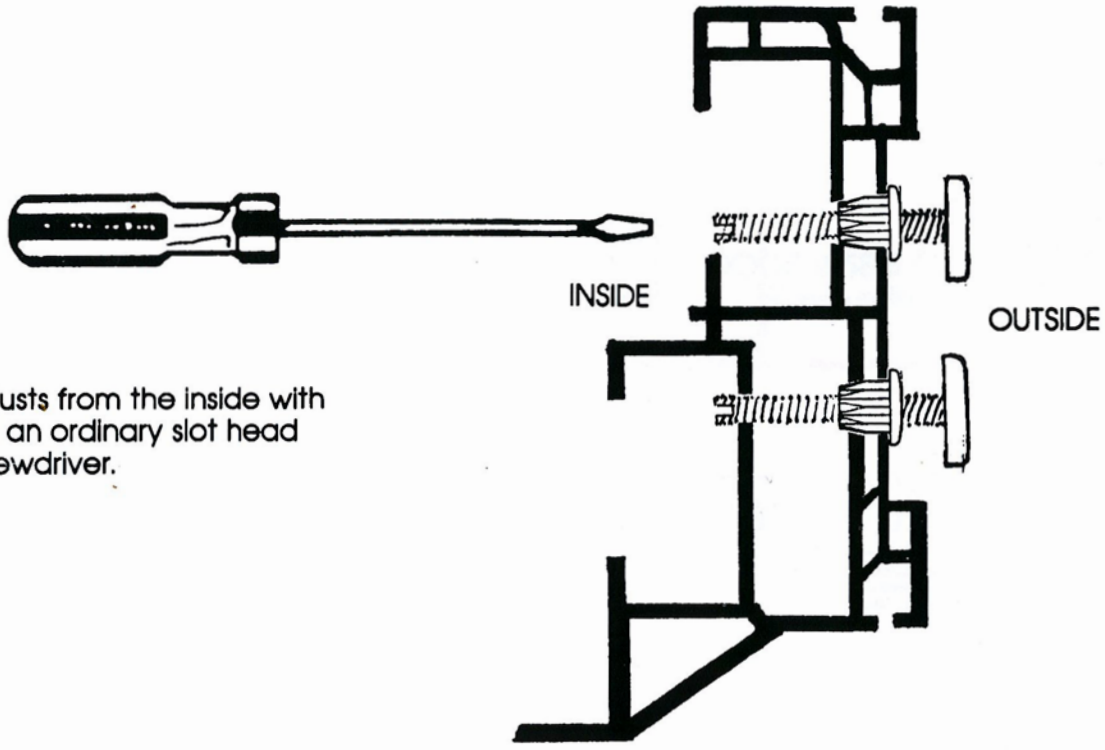
TAMPERPROOF SCREWS & BITS



WEIL'S ADVANCED ALIGNMENT ADJUSTMENT SYSTEM



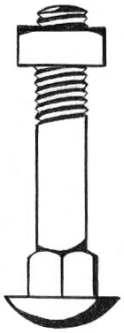
Consists of an oversized phillips wafer head screw with Lexan(TM) polycarbonate bushing. This Allows you to align the jamb for a perfect installation.



The special oversized flat head of the screw functions like the "leveling" screw that is found on a washing machine or dryer, keeping the window jamb square in the opening to reduce air infiltration and provide a tight fit.

These and other devices make up our full line of anchors that are available from stock.

Carriage Bolt



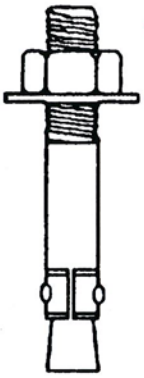
Straight

Plastic

Hammer Drive

Zinc plated steel
Aluminum
Nylon

Lag Screw



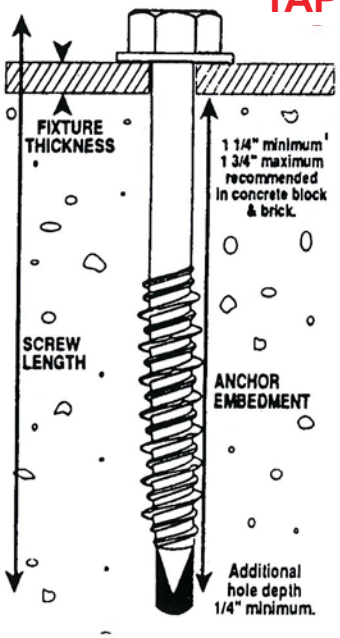
Wedge Anchors

Carbon steel
Zinc plated

Sleeve Anchors

Hex nut

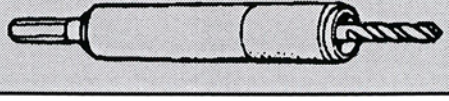
TAPCON™ CONCRETE SCREW ANCHORS

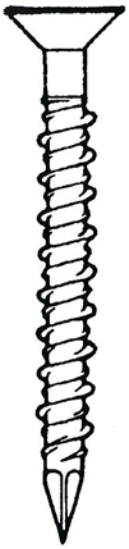


SPECIAL DESIGN SCREW THREAD FOR ANCHORING IN CONCRETE.

HARDENED STEEL

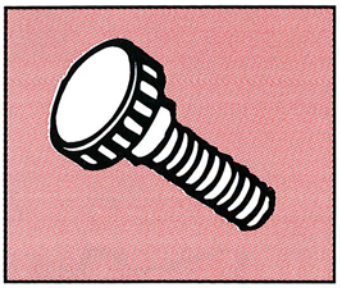
SPECIAL TOOL FOR INSTALLING ANCHOR IN CONCRETE





KNURLED KNOB THUMB SCREWS

Made to exact specifications to fit RIVNUTS. Weather-resistant. Long life strength and finish.



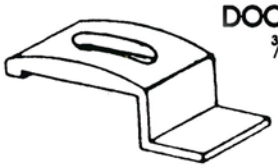
Available in Aluminum or Steel (with Protecto Finish). Comes with painted heads in brown or white. Can also be color matched to your project

8/32 x 9/16" - w/Knurls & shoulder – Steel or Aluminum
8/32 x 3/4" - " "

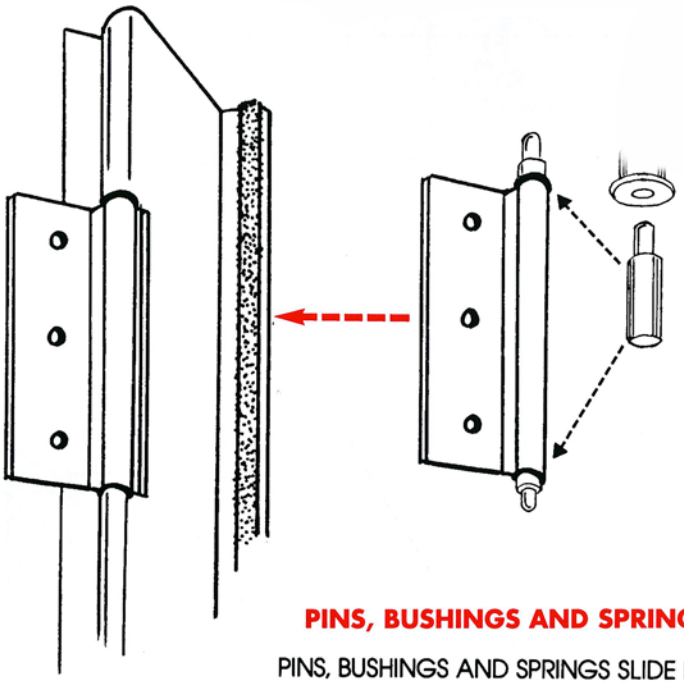
STORM PANEL CLIPS

DOOR INSERT CLIPS
¼ inch offset

DOOR INSERT CLIPS
⅜ inch offset



DOOR BUCK PARTS



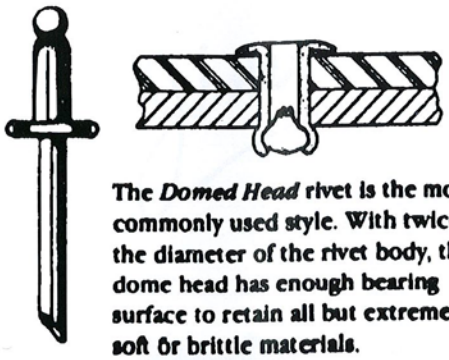
Pins are steel, heavily zinc plated. Bushings are "Oilite" bronze alloy that is permanent lubricant.

Springs are hi-tensile spring-steel wire.

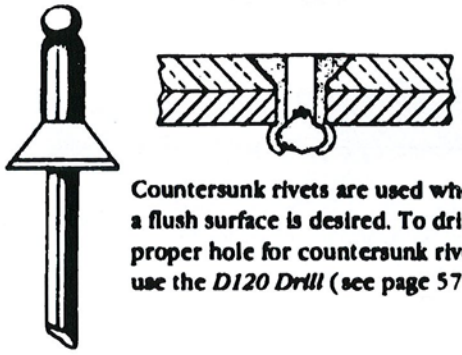
PINS, BUSHINGS AND SPRINGS

PINS, BUSHINGS AND SPRINGS SLIDE INTO HINGE BARREL OF STANDARD Z-BAR.

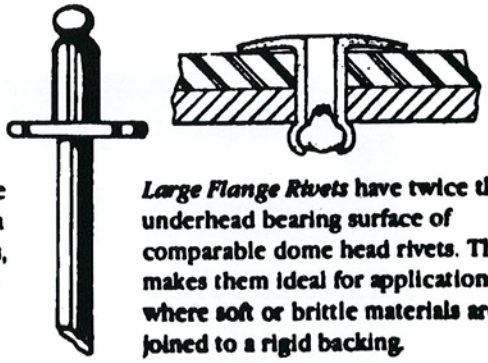
RIVET TYPES



The *Domed Head* rivet is the most commonly used style. With twice the diameter of the rivet body, the dome head has enough bearing surface to retain all but extremely soft or brittle materials.



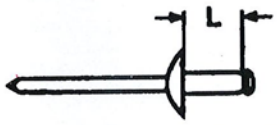
Countersunk rivets are used where a flush surface is desired. To drill a proper hole for countersunk rivets, use the *D120 Drill* (see page 575).



Large Flange Rivets have twice the underhead bearing surface of comparable dome head rivets. This makes them ideal for applications where soft or brittle materials are joined to a rigid backing.

ACTUAL SIZE

NOTE: Put your pop-rivet against its picture to learn size no.



Rivet Number	Grip Range	L Barrel Length
41	.020-.062	.212
42	.063-.125	.275
43	.126-.187	.337
44	.188-.250	.400
44L	.188-.250	.400
45	.251-.312	.462
46	.313-.375	.525
48	.376-.500	.650

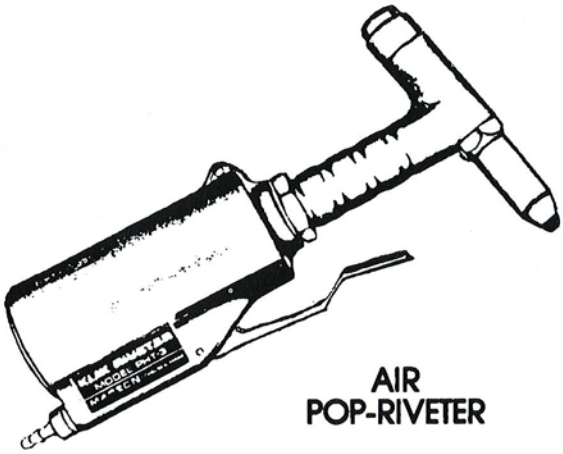
POP RIVETS

ALUMINUM ALWAYS IN STOCK

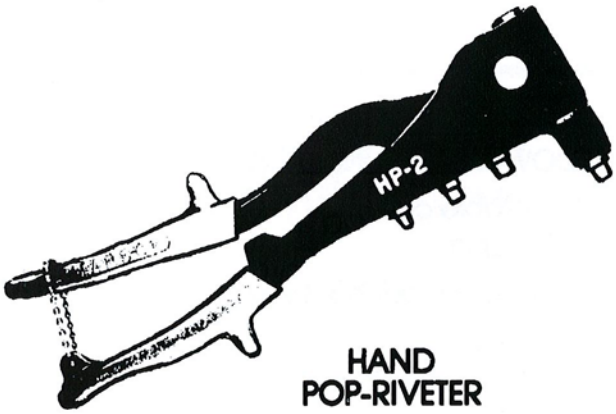
Painted also available from stock.

1/8" diameter pop-rivets shown are most-used size.

RIVETING TOOLS



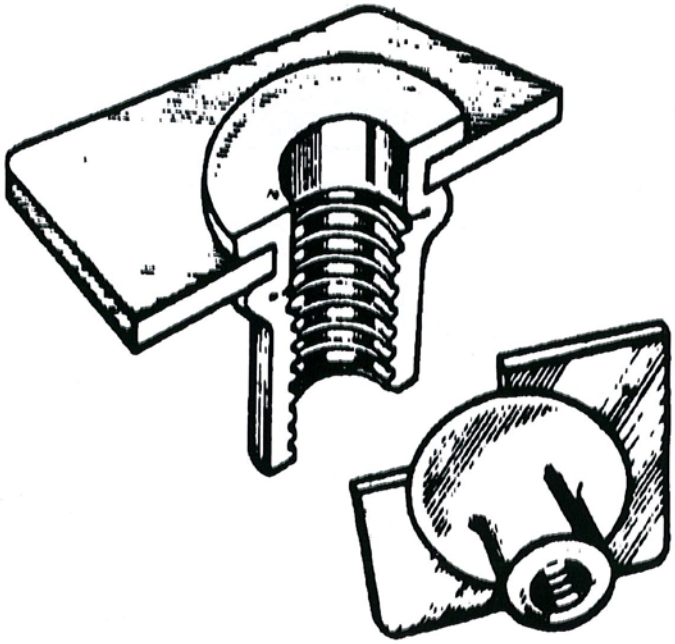
AIR POP-RIVETER



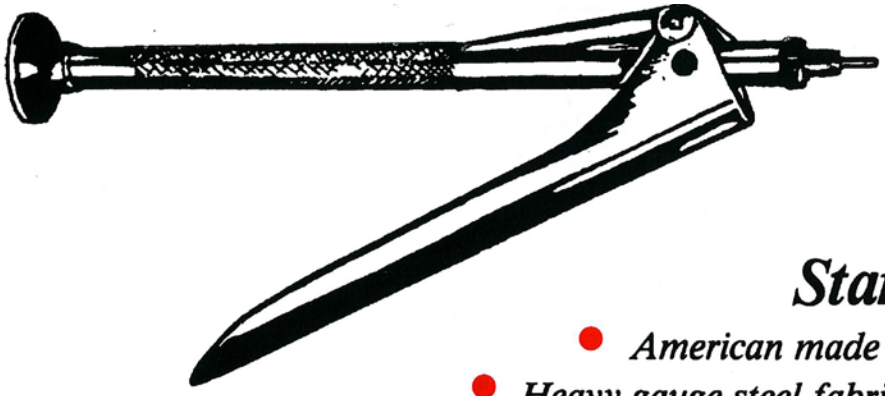
HAND POP-RIVETER

#8 – 32 ALUMINUM RIVNUTS IN STOCK

Other inserts available upon request



RIVNUT INSTALLATION TOOLS



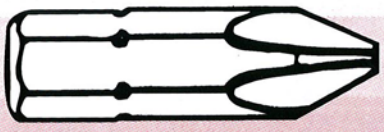
Standard Model

- *American made professional standard.*
- *Heavy gauge steel fabricated for long, tough use.*

Weil Industrial Hardware is a proud distributor of:
Champion(R) industrial quality bits
Fractional, Metric, Wire Gauge, & Letter Sizes

- Drill Bits
- Masonry Bits
- Coutersinks
- Taps
- End Mills
- And More

APEX®

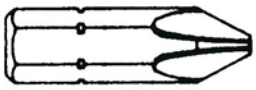


INSERT BITS
ALWAYS IN STOCK

If you need something that is not shown on this and the next 2 pages . . .

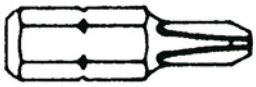
Please Call

STANDARD 440 STYLE



	SCREW	LENGTH
440-1	4, 5, 6	1"
440-2	6, 8, 10	1"
440-3	12, 14	1"
440-22	6, 8, 10	2"
440-215	6, 8, 10	1 1/2"

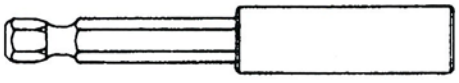
446 STYLE



	SCREW	LENGTH
446-2	6, 8, 10	1"
446-22	6, 8, 10	2"
OTHER LENGTHS AVAILABLE		

- Helps with clearance.
- Better fit for certain screws
- Same size as 440 bits.

MAGNETIC INSERT BIT STEMS



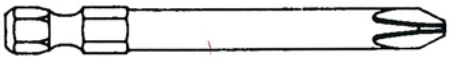
STANDARD - 3" OVERALL
BODY DIAMETER - 7/16"

More APEX on next page ▶

APEX®

POWER BITS

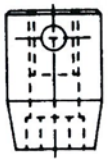
INSERT DIRECTLY INTO GUN



No. 492

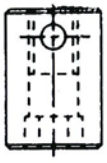
Available with #1, #2, #3 points
Overall length – 2", 2¾", 3½"

SOCKETS FOR HEX SCREWS



Tapered

Srews #6, 8 Dia.	Standard 1/4" " Hex
10	5/16"
12	5/16"
14	3/8"
14 awning	7/16"

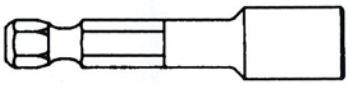


Straight

POWER EXTENSIONS for SOCKETS for HEX SCREWS

¼" insert standard
Overall length – 2", 3", 4" 5", 6"

ONE PIECE HEX SOCKETS & STEM

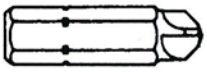


For Construction, all sizes available
Overall length - 1¾", 2 9/16"

Tri-Wing® INSERT BITS

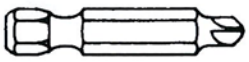
INSERT	POWER	SCREW SIZE
TW20	TW2	4,6
TW30	TW3	6,8
TW40	TW4	8,10

¼" hex shank

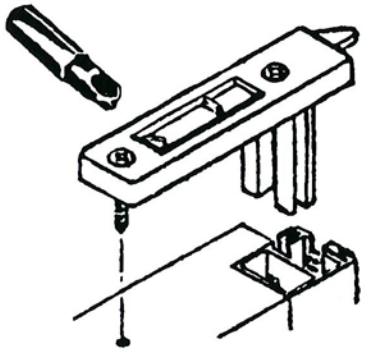


Tri-Wing® POWER BITS

¼" hex shank



Tri-Wing® BITS always in stock

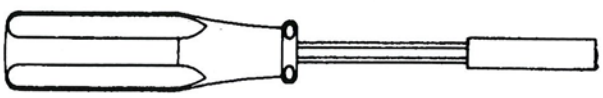


For tilt-latch mechanism on commercial windows.

Tri-Wing®

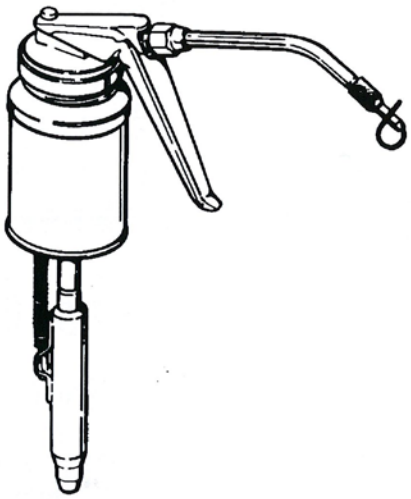
The screw of choice for commercial tamper-proof assembly and installations.

MAGNETIC & NON-MAGNETIC SCREWDRIVERS



With solid handle or hollow bit holder.

FOR SEAM SEALERS & GLUES



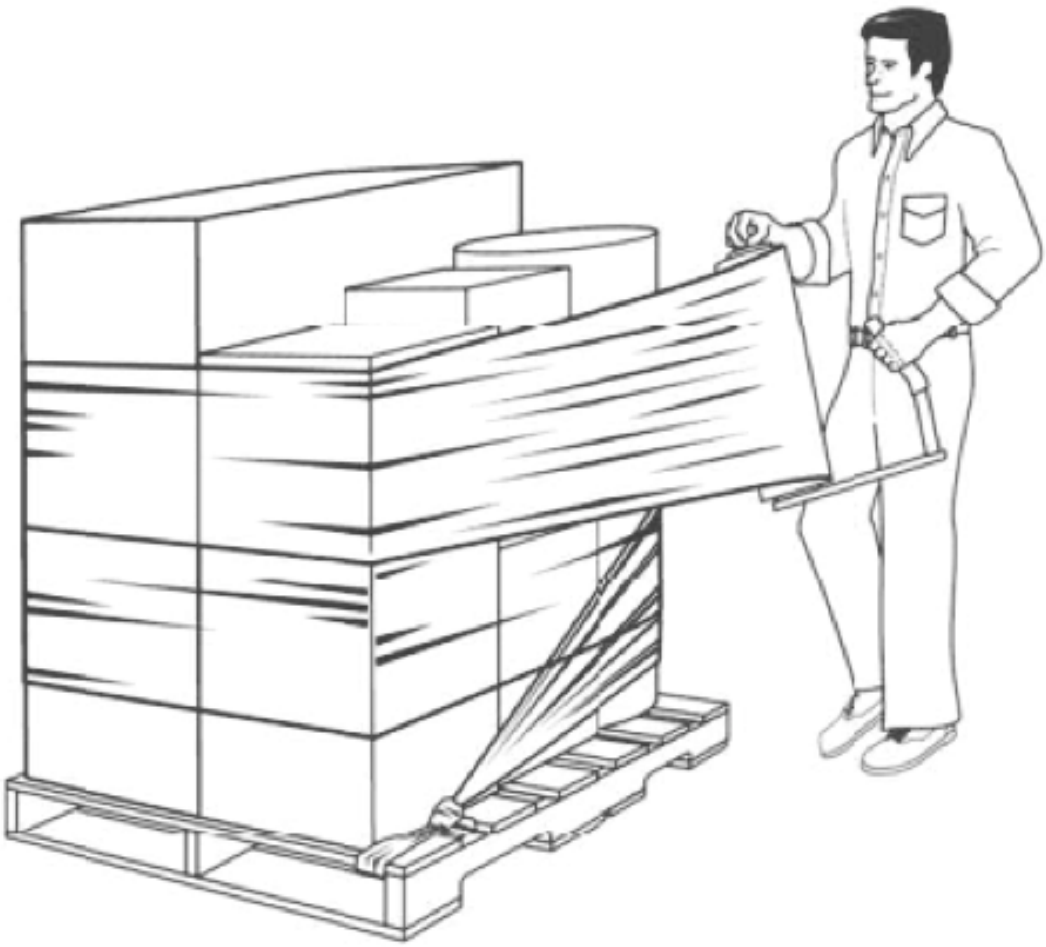
Will fit cans of seam sealer supplied by manufacturer.

1 pint can for use when filling from large bulk container.

Economical plastic dispenser bottle. 8 oz. capacity.

We stock Sigma® Stretch Wrap.

Made in USA



3”, 5”, 18” Lengths
All Gauges
Machine Sizes Available

The ideal cutter is one that requires a minimum of force to produce a non-flaky

FLETCHER®

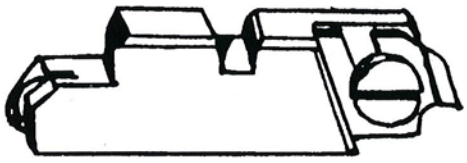
score that permits a break on the score line that is square and free of fractures.

STEEL CUTTING WHEELS

For very thin–.030 to .090 inches, through .090 to .125 up to over ½ inch.
TUNGSTEN CARBIDE ALSO AVAILABLE

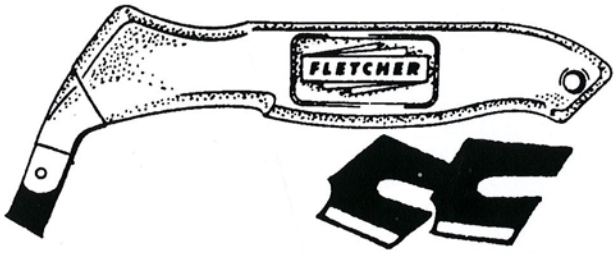
STEEL WHEEL CUTTERS

Quick-tip steel handle cutters allow you to change the cutting wheel when it is worn.



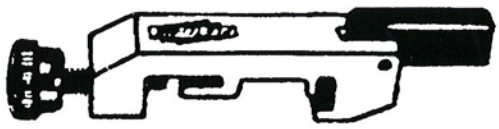
PILLAR POST CUTTER

To hold cutting wheels.
REPLACEMENT PART... ALWAYS IN STOCK



PLEXIGLASS CUTTERS & BLADES

Professional heavy duty cutter for most fracturesensitive plastics. Comfortable pistol grip. Quick blade replacement.



MEASURING STOPS

Valuable for preventing over-cuts and for cutting many mats exactly the same size.

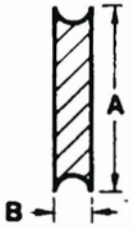
Many machine parts available. Call for Fletcher catalog.

EVERHARD (R) SCREEN/SPLINE ROLLERS

Steel or Nylon Wheels. Made in USA.

CONCAVE EDGE

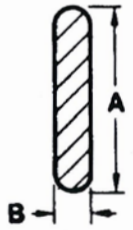
SPINE ROLLERS-STEEL OR NYLON
STEEL WHEELS WITH ENCLOSED BEARINGS



OLD MODEL NO.	WHEEL DIAMETER A	EDGE THICKNESS B	FOR SPLINE SIZES	UNIT PER CTN.
K-1	1 1/2"	3/32"	.115 - .145	6

ROUND EDGE

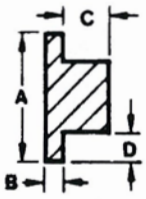
SCREEN CLOTH ROLLERS
STEEL WHEELS WITH ENCLOSED BEARINGS



NEW MODEL NO.	OLD MODEL NO.	WHEEL DIAMETER A	EDGE THICKNESS B	UNIT PER CTN.
MR08500	S-1	2	2"	6

STEP EDGE

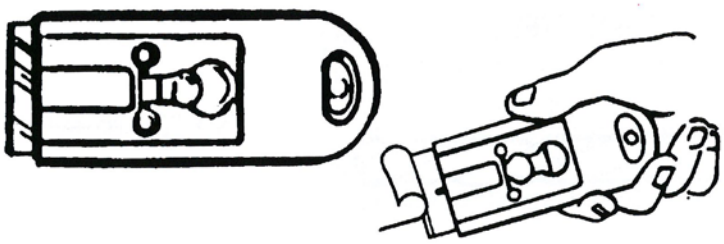
SCREEN CLOTH ATEP ROLLERS
STEEL WHEELS WITH ENCLOSED BEARINGS



NEW MODEL NO.	WHEEL DIAMETER A	EDGE THICKNESS B	FLAT AREA C	DROP D	UNIT PER CTN.
S-3A	2'	1/16"	7/16"	3/16"	6

SCRAPERS & KNIVES (MADE IN USA)

SINGLE EDGE BLADE WINDOW SCRAPER



All metal handle. Blade retracts. Common single-edge blade replaced easily. Push-button operation.

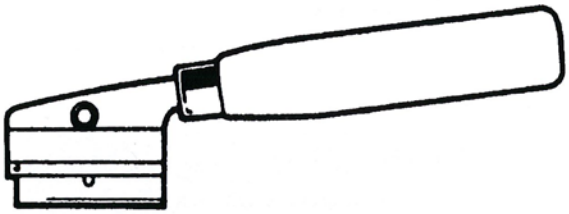
ALL-PURPOSE UTILITY KNIFE

All metal, professional quality. Knurled thumb-push controls length of blade. Easy blade replacement.

SINGLE EDGE BLADE GENERAL KNIFE

All metal handle. Inexpensive convenience. Uses ordinary single edge blades.

SINGLE EDGE BLADE ANGLE HEAD, WOOD HANDLE KNIFE

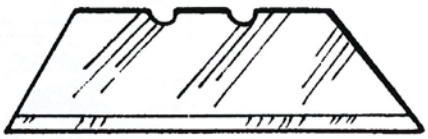


Wood grip, angled head ideal for use on vertical or flat surfaces. Single edge blade replaced easily.

SINGLE -EDGE BLADES

100/box - Precision honed for sharpest possible edge. Steel back.

UTILITY KNIFE BLADES



100/box - Double points reverse easily. Professional service steel.

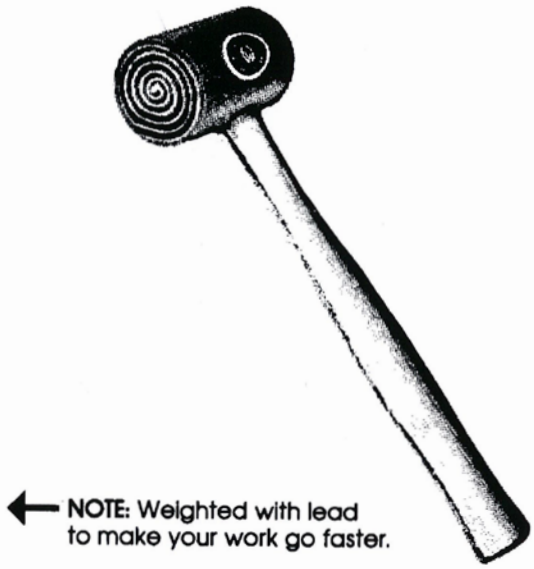
GARLAND RAWHIDE MALLETS

FOR SASH ASSEMBLY AND GENERAL USE

RAWHIDE MALLETS

Used by the industry to hammer on sash members without marring the material.

SIZE NO.	HEAD LENGTH (Inches)	HEAD DIAMETER (Inches)	WEIGHT (OZS.)
RAWHIDE			
0	2 1/4	1	2
1	3	1 1/4	4
2	3 1/4	1 1/2	6
3	3 1/4	1 3/4	8
4	3 1/2	2	12
5	4 1/4	2 3/4	24
6	4 3/4	2 3/4	26
RAWHIDE-LEAD WEIGHTED			
7	3	1 1/4	8
8	3 1/4	1 1/2	12
9	3 1/4	1 3/4	16
10	3 1/2	2	20
11	4 1/4	2 3/4	40



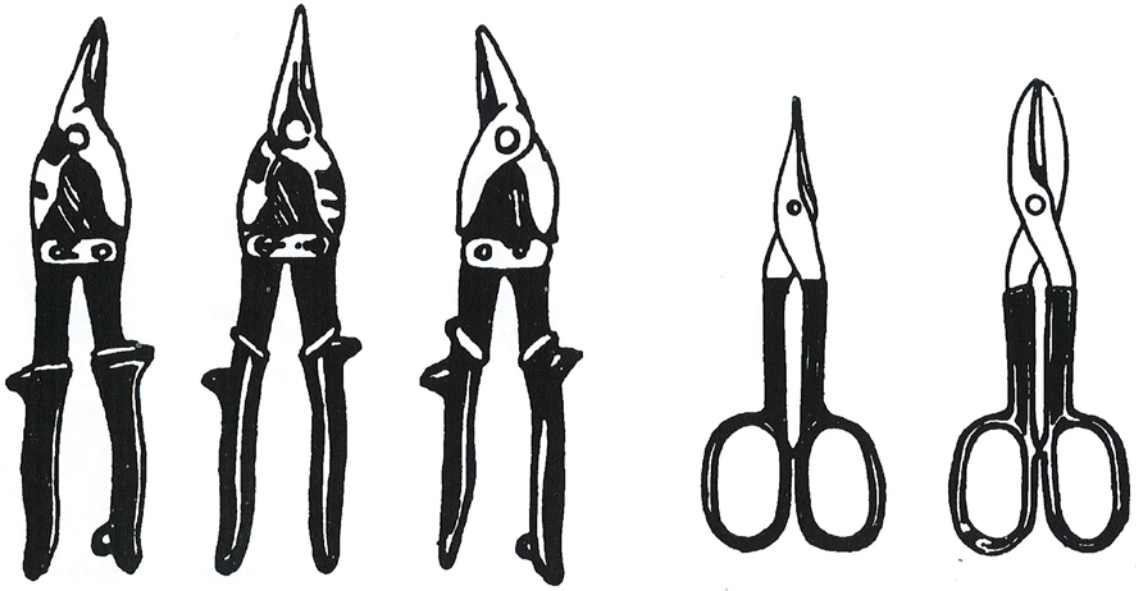
← NOTE: Weighted with lead to make your work go faster.

SPLINE AND GLAZING CUTTER

GILMOUR 18T

6 1/2" OveralL Length, 1/2" Cutting blade Used Industry wide. Solid brass anvil for perfect snap-cuts. Ergonomic, vinyl cushioned handles. Other sizes also available.

METAL SNIPS



1R 3R 2R DUCK-BILL STRAIGHT

AVIATION SNIPS

WISS BRAND - Made in America

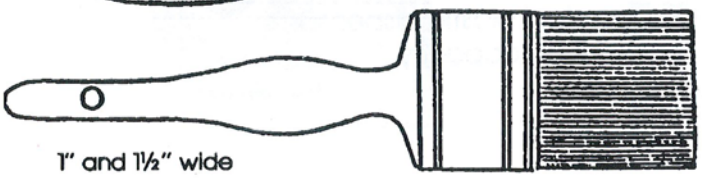
WINDOW LUBRICANT

Applied with a brush

Gives windows a lubricating finish. Helps in installation.

Available in 1 and 5 gal. pails.

SLIPIT SLIDING COMPOUND

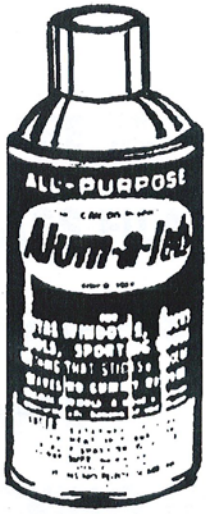


1" and 1½" wide

Disposable brushes for applying lubricant.

SPRAY-ON LUBRICANT

Alum-a-Lube



Specially formulated silicone spray for Aluminum frames.

KRYLON

Cleans and lubricates all metal moving parts.

Matt & Daniel Achstatter

Jim & Tony Achstatter

Jim & Matt Achstatter

Weil Industrial Hardware has been a family owned and operated business for over 80 years, and that kind of longevity only comes from the steadfast commitment to your customers and taking great pride in what you do.

After returning from his service in World War II, our grandfather, Anthony Achstatter, partnered with Mr. Fred Weil to provide the highest quality fasteners and tools to the rapidly burgeoning manufacturing industry. In 1972, Anthony's son Jimmy started his career at Weil and would take the growth of the company into the new millennium. The 3rd generation of Achstatters, Matthew and Daniel, would take the reins in 2010 and continue the family tradition.

With a massive invenvtory, same day shipping, and competitive pricing, you will be hard pressed to find a superior solution to your fastener and tool needs. We would love the opportunity to build a long lasting business relationship with your company, and save you time and money along the way.

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