

DRAFTING

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Bow Compasses & Drawing Sets

Alvin

Introductory 6" Bow Compass

Rugged pencil/divider with center wheel adjustment. For circles 1/8" to 9-1/2".

Includes needle & 2 leads.

Stk. **196632** Mfg. 201 \$ **9.00**



Academic Bow Pencil Compass

4-3/4" hoop spring pencil compass with fast center wheel adjustment. For circles up to 4".

Includes needle & 2 leads.

Stk. **196640** Mfg. 844B \$ **14.40**

Traditional 6" Master Bow Compass

Creates 1/8" to 11-1/2" circles. Smooth, center wheel adjustment and matte nickel finish. Capped spindle prevents over-extension.

Includes extra needle & leads.

Stk. **196041** Mfg. 604 \$ **12.10**



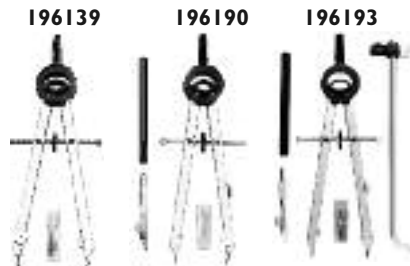
Combination Bow Compasses

Fiberglass ringhead and pivot design for smooth, firm adjustment. Center wheel adjusts quickly and easily for circles up to 10". Built-in spindle stop prevents overextension. Tarnish-free nickel finish.

6" Pencil Compass/Divider. **Includes** extra lead, needle point & T-bolt.
Stk. **196139** Mfg. 504 \$ **12.30**

Basic 6" Bow Combination Compass. **Includes** same as above, plus split leg design accepts pen, pencil & divider parts & slip handle for spare ruling pen.
Stk. **196190** Mfg. 505 \$ **19.70**

Basic 6" Bow Combination Compass w/Beam Bar. **Includes** same as 505, plus beam bar extension for circles up to 20" dia.
Stk. **196193** Mfg. 505V \$ **24.60**



Bow Compasses & Drawing Sets, cont.

Alvin

6" Master Bow Combination Compass

Rugged gearhead design and interchangeable pencil and divider parts. Rapid adjustment feature allows 1/8" to 11-1/2" circles.

- Easy-hold handle for comfortable adjustments
- Double break leg for precise perpendicular drawing

Includes extra lead & bolt, hinged plastic case.

Stk. **196171** Mfg. 805 \$ **19.70**



Compact Drawing Set

6" bow pencil compass and 6" friction divider. Fiberglass ringhead and pivot design for smooth, firm adjustment. Accurate center wheel adjusts easily for up to 9" dia. Capped spindle prevents overextension.

Includes compass, divider w/replaceable needle points, case.

Stk. **196164** Mfg. 608K \$ **19.30**



8-Piece Drawing Set

5-1/2" bow compass with slit leg for pencil, pen and divider parts. Durable matte nickel construction with black fiberglass crown and reinforcements.

Includes lead pointer, 5-1/2" divider, ruling pen, slip handle, eraser & case.

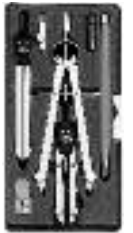
Stk. **196040** Mfg. 553G \$ **19.70**

Maverick Bow Compass Drawing Set

Two bow compass sizes for pencil drafting. 6" compass with center wheel and straight leg design. 4" compass with center wheel design. 5-1/2" gearhead divider with adjustable needle points. 5-3/4" mechanical pencil.

Includes 2 compasses, divider w/replaceable needle points, mechanical pencil & case.

Stk. **196642** Mfg. 895E \$ **40.20**



Basic Bow Repair Kit. A cross section of repair & replacement parts for all basic bow drawing instruments.

Sturdy case.

Stk. **196310** Mfg. 900D \$ **41.60**



Beam Compass Set

Alvin Efficient spring-loaded friction-control design enables precision drawing. The two 13" beam bars with coupling accommodate circles up to 48".

Includes interchangeable ruling pen, pencil, divider legs & velvet-lined case w/clear cover.

Stk. **196646** Mfg. 961B \$ **35.30**



Compass Lead Refills. For standard drawing instruments w/presharpened chisel points.

Stk.	Mfg.	Price/Gross (144)	•	Stk.	Mfg.	Price/Dz.
☛ PLEASE NOTE there are 2 columns, each with its own Stk., Mfg. & Price.						
196319	5144-HB.....	9.60		196312	5112-H.....	2.40
196320	5144-2H.....	9.60		196313	5112-HB.....	2.40
				196314	5112-2H.....	2.40
				196315	5112-4H.....	2.40



Friction Divider

Alvin 6" friction divider with self-centering gearhead design. Replaceable needle points. Tarnish-free nickel finish.

Stk. **196145** Mfg. 660 \$ **8.98**



Pantograph

Alvin Accurate instrument designed for use on inclined or horizontal boards and for tracing or dotting. Sturdy joint and arm construction ensures accuracy.

Bars are seasoned hardwood with clear gray lacquer finish and have die-sunk graduations, with holes carefully drilled for accuracy. Adjustable nylon ratio thumbscrews for smooth, easy movement.

- Nickered lead holder attachment & nylon tracer point
- Nickered anchor table clamps provide stability

Stk. **196141** Mfg. PA306 \$ **30.50**



Carrying Cases

Alvin

Mesh Bags

High-quality vinyl mesh webbing creates a strong, functional kit bag. 3/4" gusset, zippered top.

Stk. 196321 Mfg. NB1013.....	10" x 13"	\$ 3.08
Stk. 196105 Mfg. NB1216.....	12" x 16"	4.01
Stk. 196322 Mfg. NB1518.....	15" x 18"	4.12
Stk. 196323 Mfg. NB1621.....	16" x 21"	6.00
Stk. 196324 Mfg. NB1824.....	18" x 24"	6.84
Stk. 196325 Mfg. NB2026.....	20" x 26"	7.00



Expanding Folders

For student or office use. Handy expanding wallets are ideal for carrying loose notes, papers, books and etc. Made of 1-piece heavyweight red fiber. Velcro closure permits closing the wallet whether it is flat or full. Full 2" expansion.

Stk. 196104 Mfg. E15.....	10" x 15"	\$ 2.46
Stk. 196116 Mfg. E18.....	12" x 18"	3.60
Stk. 196121 Mfg. E20.....	14" x 20"	7.01
Stk. 196107 Mfg. E26.....	20" x 26"	13.20



Drawing Kits, Sets & Systems

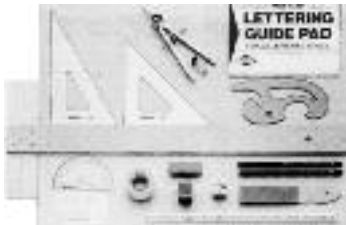
Alvin

Drawing Kit

Fits the needs of architectural, engineering and mechanical drawing.

Includes

- 6" bow pencil compass/divider
 - 24" transparent-edge T-square
 - 8" 45°/90° triangle
 - 10" 30°/60° triangle
 - 18" x 24" drawing board w/metal edges
 - 12" architect's triangular scale
 - sandpaper pointer pad
 - 12-1/2" irregular curve
 - art gum eraser
 - 3/4" x 10-yard roll of drafting tape
 - 2H & 4H pencils
 - 6" semicircular protractor
 - sharpener
 - erasing shield
 - soft pencil eraser
 - freehand lettering guide pad
- Stk. **196143** Mfg. SD505 \$ **85.40**



Drawing Kits, Sets & Systems, cont.

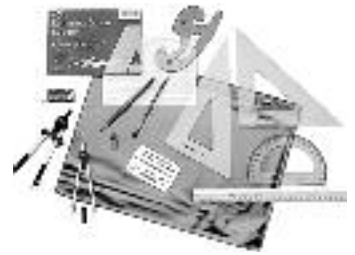
Alvin

Beginner's Drawing Kit

Kit eliminates student guess work, saves time and allows work with consistent equipment.

Includes

- 6" bow compass w/parts tube
 - 5-1/2" plain divider w/replaceable needle points
 - 8" 45°/90° clear plastic triangle
 - freehand lettering guide pad
 - architect's open divided triangular scale
 - 6" semicircular protractor
 - 10" 30°/60° clear plastic triangle
 - mechanical lead holder
 - 12" x 16" vinyl carrying case
 - pencil eraser, erasing shield
 - tube of compass leads
 - 8-1/2" irregular curve
 - mini lead pointer
- Stk. **196270** Mfg. BDK-1A \$ **37.50**



Technical-grade Blueprint Kit

Designed to fit average needs, budget and class level requirements.

Includes

- 6" bow compass w/parts tube
 - architect's divided triangular scale
 - 10" 30°/60° clear plastic triangle
 - 8" 45°/90° clear plastic triangle
 - freehand lettering guide pad
 - 6" semicircular protractor
 - mechanical lead holder
 - tube of compass leads
 - mini lead pointer
 - pencil eraser
 - erasing shield
 - 8-1/2" irregular curve
 - 12" x 16" vinyl carrying case
- Stk. **196271** Mfg. BRK-1A \$ **36.80**



Ames Draft-Pak Portable Drafting Systems

Self-contained unit includes drawing board with parallel blade, tilting mechanism and storage area. Easily converts to a briefcase with carrying handle and cabinet hardware.

- Tilts for accurate table slope
- Sectioned storage compartment
- Reversible drafting surface safely stores parallel blade inside case & allows drawing to be left in place when unit is closed
- Cord mechanism keeping blade parallel is enclosed for trouble-free operation; device connecting blade & cord allows easy adjustment
- Acrylic parallel blade for highest clarity & dimensional stability

Stk. **196217** Mfg. 1218C for 12" x 18" paper \$ **166.00**
 Stk. **196273** Mfg. 1824C for 18" x 24" paper **187.00**



Drafting Machines

Chalkboard Drafting Machines

Vemco Useful in the classroom for drafting and geometric instruction, these machines are built to the same standards as Vemco's regular drafting machines. 24" wooden scale with scaled inches on 1 side and metric on the other.

Stk.	Mfg.	Board Coverage	Price
957530	4296-402	42" x 96"	\$ 1,404.00
957535	4896-402	48" x 96"	1,433.00



Drafting Machines, cont.

Drafting Machines & Scales



shown w/Drafting Machine Scales, sold separately

V-Track® Drafting Machines

Vemco Accurate and feature-packed drafting/layout machine includes a 32" x 42" board.

- **Easy-to-read protractor** is divided to single degrees

- double 5-min. vernier permits angular accuracy to 1/12°
- number is 0-90° in quadrants, numerals always perpendicular to any baseline
- **Double pivot joint design** compensates for lateral board warpage
 - locates 1 pivot joint at center of protractor head to provide increased board coverage
 - open design permits greater visibility of protractor
- **Vertical brake** controls movement of protractor & is Vemco-patented feature that puts user in control at all times w/choice of on, off or touch & go
- **Precision tracking** is possible w/Vemco's V-Track design using tapered Delrin® wheels which allow smooth, precise movement at any board angle
 - release of screws on vertical track allows user to "shorten" track for use on smaller size boards
- **Horizontal brake** allows touch & go control just like vertical brake
- **12" horizontal carriage** gives greater rigidity of vertical track
 - 10 sealed precision ball bearings in carriage assemblies counter balance pulleys
 - spring-loaded wheels in carriages automatically compensate for any possible wear & assure absolute repeatability
- **Horizontal clamps** move along entire track & attach in seconds
- **Support roller** adjusts along entire vertical track to compensate for varying board depths, roller adjusts height of vertical track

Stk.	Mfg.	Arm L.	Hand Usage Style	Price
V-Track Drafting Machines				
957309	3242-725RH	—	right.....	\$ 1,059.00
957308	3242-725LH	—	left.....	1,059.00
V-Track Drafting Scales. Antiflex scales feature an aluminum center core & clear acrylic edge.				
949608	AP-2/12"	12"	right.....	\$ 57.80
949675	AP-2/18"	18"	right.....	64.60
949609	AP-2R/12"	12"	left.....	\$ 57.80
949676	AP-2R/18"	18"	left.....	64.60

Made of Transparent Plastic Drafting Machine Scales

Vemco Acrylic scales offer a clear view of the drawing beneath. Graduations and numbers are on the underside of the scale to eliminate parallax distortion. A raised rib protects graduations and prevents capillary action when inking.



Stk.	Mfg.	Full Sz. Graduations	Half Sz. Graduations	Price
12" Drafting Machine Scales				
951015	P-2/12"	1/16"	1/16".....	\$ 51.00
951417	P-3/12"	1/32"	1/16", 1/4" to 1/8"...	51.00
952824	P-34/12"	1/4" = 1'	1/8" = 1'.....	51.00
954499	P-35/12"	1/8" & 1/4" = 1'	1/2" & 1" = 1'.....	51.00
954164	P-41/12"	1:1 to 1mm	1:2 to 1mm.....	51.00
955437	P-70/12"	non-graduated.....		44.20
18" Drafting Machine Scales				
951082	P-2/18"	1/16"	1/16", 1/4" to 1/8"...	\$ 54.40
951484	P-3/18"	1/32"	1/16", 1/4" to 1/8"...	54.40
952891	P-34/18"	1/4" = 1'	1/8" = 1'.....	54.40
954566	P-35/18"	1/8" & 1/4" = 1'	1/2" & 1" = 1'.....	54.40
954231	P-41/18"	1:1 to 1mm	1:2 to 1mm.....	54.40
955504	P-70/18"	non-graduated.....		47.60

shown w/Drafting Machine Scales, sold separately



Model 3500 Drafting Machine

Vemco Built with slightly smaller dimensions than many drafting machines, the Model 3500 will perform tasks and meet drawing size requirements of larger, more expensive machines. Vemco detail drafters are quality designed and manufactured.

- Single row of figures on protractor by quadrants
- Double vernier reads to 5 min.
- 3-3/4" dia. protractor
- Machine-divided to 1°

Stk.	Mfg.	Arm L.	Board Coverage	Price
Right-hand Machines				
957523	3500-116	16"	24" x 36".....	\$ 591.00
957525	3500-118	18"	28" x 40".....	594.00
957527	3500-120	20"	34" x 44".....	598.00
957529	3500-122	22"	38" x 50".....	601.00
Left-hand Machines				
957522	3500-116L	16"	24" x 36".....	\$ 591.00
957524	3500-118L	18"	28" x 40".....	594.00
957526	3500-120L	20"	34" x 44".....	598.00
957528	3500-122L	22"	38" x 50".....	601.00

Drawing Boards & Covers

A Studio-quality Surface in a Small, Portable Unit



Parallel Straightedge White Boards

Alvin Rugged, warp-free white Melamine® laminate offers a smooth clean drawing surface anywhere you work. Brushed aluminum finish on the straightedge enhances appearance and provides a stain-resistant pressure point.



Each board is equipped with spring-loaded hardware to accommodate paper, vellum or cardboard. Tractor feet for easy set-up on any flat surface. Raised reinforcing bar serves as convenient pencil ledge. Parallel straightedge eliminates the need for T-squares. Smooth-action pulley moves easily, yet is precise.

- Durable space-age plastic legs for greater stability, increased height
- Straightedge locking system provides a "brake" for drawing straight lines w/greater confidence and ease
- Rugged Melamine® lamination prevents warping & wipes clean w/damp cloth
- Precision optical-grade acrylic straightedge eliminates the need for a T-square, provides a strain-resistant pressure point & is undercut for use w/technical pens
- Molded plastic tuck-away comfort-fit carrying handle
- Non-slip, "Grip-Track" tractor feet overhang the table edge & hold the board at the perfect drawing angle
- All hardware is nickel-plated to resist stains & tarnishing

Stk.	Mfg.	Board Size	Each	24 or More!
196207	PXB21	16" x 21".....	\$ 69.00	\$ 59.00
196208	PXB24	18" x 24".....	75.80	64.50
196209	PXB26	20" x 26".....	78.00	66.00

Parallel Straightedge Replacement Knobs. Black, 6/pkg.
Stk. 196045 Mfg. KN6 fits all PXB board sizes \$ 7.38



Drawing Boards & Covers, cont.

Portable Sketch Boards

Alvin Made of strong, tempered masonite with cutout carry handle. Includes metal clip and rubber band to hold paper securely in place.

Stk.	Mfg.	Board Size	Price
196471	SBI516	15-1/2" x 16-1/2" ..	\$ 9.23
196474	SBI819	18-1/2" x 19-1/2" ..	11.10



Drawing Boards

Alvin Solid core construction.

Stk.	Mfg.	Board Size	Each	24 or More!
Natural Wood Surface. T-metal edges.				
196147	DB112	16" x 21"	\$ 19.70	\$ 16.70
196150	DB114	18" x 24"	24.00	20.50
196151	DB116	20" x 26"	29.00	25.00
White Melamine® Surface. Black PVC edges.				
196658	XB112	16" x 21"	\$ 20.50	\$ 17.70
196659	XB114	18" x 24"	24.90	20.90
196660	XB116	20" x 26"	29.50	24.90

Board Covers

Alvin Durable 5-ply VBC plastic protects heavily-used surfaces against mars, scars, cuts and dents. Pre-cut sheets feature a green side with the other side being cream.

Stk.	Mfg.	Size	Price
196478	VBC44-1	18" x 24"	\$ 19.20
196479	VBC44-2	20" x 26"	21.50
196480	VBC44-3	23" x 31"	25.90
196481	VBC44-4	24" x 36"	28.80
196482	VBC44-5	31" x 42"	36.90
196483	VBC44-6	36" x 48"	47.30
196472	VBC44/36	10 yd. x 36"	291.00
196473	VBC44/48	10 yd. x 48"	377.00

Light Tables

Forester Light Table

Mayline Maple 4-post table with removable, portable light box top (59 lbs.). Tilting light box with translucent 18" acrylic diffuser and 1/4" clear float glass. *Light table assembly required.*

- Full-range electronic dimming controls w/0 to 325 foot-candle range
- Illuminated by 4 cool white, rapid-start fluorescent bulbs (30W)
- Vented ballast sections keep glass surface cool (*even w/all day use*)
- Maple frame w/natural finish & brushed-steel box • UL listed

Overall size 36-3/8"L x 23-7/8"W x 32"H.

Includes 4 fluorescent bulbs.

Stk. 146090 Mfg. 7603LT 23-7/8" x 36-3/8" glass \$ 1,512.00



Porta-Trace® Light Box

Alvin Great for drawing, tracing, embossing, calligraphy, viewing and presentations. Durable unit features a tough stainless steel frame and thick Plexiglas top. Color-corrected lamps with bright, even light without hot spots. 3-20W lamp. UL listed.

Stk. 196023 Mfg. PT1824-3 18" x 24" glass \$ 511.00



Drawing Board Storage Cabinet

Shain Maple plywood cabinet offers ample horizontal storage space for 25 (20" x 26") drafting boards and T-squares. HDF dividers. Locking doors. Earth-friendly UV finish.

Overall size 32"W x 22"D x 84"H.

Stk. 155531 Mfg. DBC-1 \$ 1,205.00



Straightedges

Paral-Liner Mobile Parallel Straightedges

Alvin Frictionless operation is provided by floating action of blade-mounted nylon rollers that retract at touch, securing blade for accurate drawing.

- Rigid phenolic construction w/black satin finish
- Elevated plexiglass edges prevent ink smears
- Steel ball-bearing pulleys for smooth movement

Includes mounting hardware & instructions.

Stk. 196211	Mfg. 1101-30.....	30"	\$ 120.00
Stk. 196213	Mfg. 1101-36.....	36"	130.00
Stk. 196212	Mfg. 1101-42.....	42"	140.00
Stk. 196214	Mfg. 1101-48.....	48"	148.00
Stk. 196216	Mfg. 1101-60.....	60"	186.00

Paral-Liner Parallel Straightedge Replacement Parts

Rewiring Kit. Contains 30' nylon-covered stainless steel wire, spring, 2 eyelets & 2 front wire connectors. For models 1101, 1102 & 2201.

Stk. 196197 Mfg. PEP-2 fits board sizes 48" to 72" \$ 10.20

Hardware Pkg. Contains 2 cable attachments, 2 cable tie-offs, 2 tension guides & 5 screws.

Stk. 196198 Mfg. HD4 fits board sizes 30" to 72" \$ 16.20

Knobs. Black, 6/pkg.

Stk. 196045 Mfg. KN6 fits board sizes 30" to 72", incl. PXB models \$ 7.38



DRAFTING

Proportional Scales

Alvin For calculating percentage of enlargements & reduction of photos, artwork and layouts.

Includes 2 circular laminated vinyl discs in white & buff.

Stk. 196488 Mfg. PS69 5" \$ 5.54

Stk. 196489 Mfg. PS79 6" 7.32



No room for a Drawing Table?

Check out our solid maple

Art Horse on page 75.



T-Squares

Alvin

Acrylic

100% acrylic blade has relieved edges to prevent ink underflow and is bonded to the head for accuracy and strength.

Stk. 196039	Mfg. P18.....	18", each	\$ 12.70	24 or More!	\$ 10.80
Stk. 196131	Mfg. P24.....	24", each	13.50	24 or More!	11.50
Stk. 196123	Mfg. P30.....	30", each	15.00	24 or More!	12.75
Stk. 196229	Mfg. P36.....	36", each	18.90	24 or More!	16.10



Stainless Steel

Spring-tempered stainless steel blade with beveled edges for accurate line drawing and cutting. The fixed, cast aluminum head offers strength and durability. 1-1/2"W.

Stk. 196106	Mfg. S/S18.....	18", each	\$ 27.60	24 or More!	\$ 23.50
Stk. 196112	Mfg. S/S24.....	24", each	29.75	24 or More!	25.50
Stk. 196124	Mfg. S/S30.....	30", each	34.00	24 or More!	29.00

Wood

Hardwood blade with see-through acrylic edges that are elevated to prevent smudging and eliminate surface scratches.

Stk. 196605	Mfg. C18.....	18", each	\$ 10.50	24 or More!	\$ 8.90
Stk. 196110	Mfg. C24.....	24", each	11.90	24 or More!	10.00
Stk. 196114	Mfg. C30.....	30", each	13.50	24 or More!	11.50
Stk. 196606	Mfg. C36.....	36", each	16.00	24 or More!	14.00



Aluminum

Lightweight 1-1/2" wide rigid blade with deeply cut, highly visible graduations. Blade securely riveted to durable, high-impact plastic head. Graduation in 8ths and 16ths.

Stk. 196185	Mfg. L18.....	18", each	\$ 10.60	24 or More!	\$ 9.00
Stk. 196186	Mfg. L24.....	24", each	12.10	24 or More!	10.25
Stk. 196187	Mfg. L30.....	30", each	13.70	24 or More!	11.50
Stk. 196188	Mfg. L36.....	36", each	15.00	24 or More!	12.75



Protractors

Alvin

Circular. Clear .080" plastic w/center cut out for easy finger lifting. Graduations molded in.

Stk. 196160	Mfg. P234.....	4"	\$ 1.80
Stk. 196161	Mfg. P236.....	6"	1.83
Stk. 196162	Mfg. P238.....	8"	9.74



Semicircular

Clear vinyl w/easy lift cut-out. Graduations are clearly divided. 1° graduation.

Stk. 196199	Mfg. 3751.....	12/pkg., 3-1/2"	\$ 12.60
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Solid center design w/graduations sandwiched between 2 laminated sheets of clear plastic so they cannot rub off. 1/2° graduation.

Stk. 196166	Mfg. 376.....	6"	\$ 1.85
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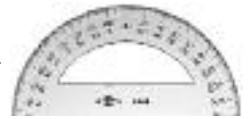
Protractors, cont.

Semicircular, cont.

Westcott Clear vinyl w/cut-out center & clearly divided graduations. 5° graduation.
Stk. **189150** Mfg. I1200 6" **\$ 1.05**



Alvin Clear .080" plastic w/center cut-out, finger lift & beveled edges. Black die-stamped graduations divided into 1/2" increments.
Stk. **196100** Mfg. P466 6" **\$ 1.99**



Alvin Heavy-duty .090" transparent laminated PVC w/beveled outer edge for accuracy. Features center cut-out for convenient finger lift & accurate die-stamped graduations.
Stk. **196101** Mfg. P476 6" **\$ 2.08**



Triangles

Alvin



Adjustable

Smoke-tint

Transparent



Adjustable. Features of an adjustable triangle, plus those of a protractor. 0° to 90° can be drawn from baseline (1/2° accuracy). Engraved graduations, aluminum thumbscrew. High impact 0.100" optically clear acrylic eliminates parallax, allows close pencil tolerance. W/out ink edge. 45°/90°.
Stk. **196330** Mfg. I08C..... 8" **\$ 22.30**

Smoke-tint. Made of .10" styrene w/non-glare smoke tint for easy visibility. Double-beveled edges w/fingerlifts for quick placement & removal.

30°/60°			
Stk. 196238	Mfg. SK360-6	6"	\$ 2.77
Stk. 196239	Mfg. SK360-8	8"	2.90
Stk. 196240	Mfg. SK360-10	10"	3.04
Stk. 196241	Mfg. SK360-12	12"	3.82

45°/90°			
Stk. 196242	Mfg. SK450-6	6"	\$ 3.39
Stk. 196243	Mfg. SK450-8	8"	3.22
Stk. 196244	Mfg. SK450-10	10"	3.82
Stk. 196245	Mfg. SK450-12	12"	5.70

Transparent. Molded .08" polystyrene w/built-in fingerlifts. 30°/60°.			
Stk. 196230	Mfg. S1390-6	6", each	\$ 1.46 24 or More! \$ 1.25
Stk. 196231	Mfg. S1390-8	8", each	1.89 24 or More! 1.60
Stk. 196232	Mfg. S1390-10	10", each	2.15 24 or More! 1.80
Stk. 196233	Mfg. S1390-12	12", each	3.03 24 or More! 2.60

45°/90°			
Stk. 196266	Mfg. S1450-6	6", each	\$ 1.62 24 or More! \$ 1.40
Stk. 196267	Mfg. S1450-8	8", each	2.15 24 or More! 1.80
Stk. 196268	Mfg. S1450-10	10", each	2.89 24 or More! 2.50
Stk. 196623	Mfg. S1450-12	12", each	3.77 24 or More! 3.25



Aluminum. Durable lightweight, satin-finish triangle resists stains, tarnishing. 90° angle (1/16" graduations). Use as circle template (1/16" to 1-3/8"). 45°/90°.
Stk. **196026** Mfg. AT245-6 6" **\$ 7.34**



Triangular Scales

Alvin

Student/vocational scales with easy-to-read black imprinted graduations. Made of satin finished impact plastic. 12"L with open divisions.



Architect Scale. Graduations: 3/32, 3/16, 1/8, 1/4, 3/8, 1/2, 3/4, 1, 1-1/2, 3" to the foot. One edge divided to 16ths.

Stk. **196400** Mfg. 110P..... white, each **\$ 3.46** 24 or More! **\$ 2.95**

Stk. **196401** Mfg. 110PY..... yellow, each **7.65** 24 or More! **6.50**

Mechanical Draftsman Scale. Graduations: 1/8, 1/4, 1/2, 1" to the foot; 1/4, 3/8, 1/2, 3/4"; 50ths & 16ths.

Stk. **196369** Mfg. 110PX..... white, each **\$ 3.46** 24 or More! **\$ 2.95**

Metric Scale. Graduations: 1:20, 1:33-1/3, 1:40, 1:50, 1:80, 1:100.

Stk. **196331** Mfg. 117PM..... white, each **\$ 3.46** 24 or More! **\$ 2.95**

Engineer Scale. Graduations: 10, 20, 30, 40, 50, 60 parts to the inch.

Stk. **196370** Mfg. 111P..... white, each **\$ 3.46** 24 or More! **\$ 2.95**

Architect Scale Tapered edges and color-coded furrows for quick scale identification. Engraved divisions on a non-glare matte plastic face, bonded over seasoned, laminated bamboo for durability. 12"L.



Includes case.

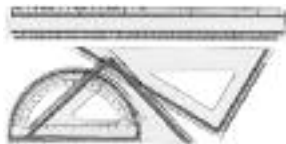
Graduations: 3/32, 3/16, 1/8, 1/4, 3/8, 1/2, 3/4, 1, 1-1/2, 3" to the foot.

One edge divided to 16ths.

Stk. **196636** Mfg. 240B..... white **\$ 21.20**

4-Piece Geometry Set

Alvin High tech set made of clear durable plastic with solid stripe accents. Features an easy-grip design.



Includes ruler, 45°/90° triangle, 30°/60° triangle & protractor.

Stk. **196130** Mfg. FL41..... **\$ 3.02**

Curves

Alvin



196169



196170



196172



196176



196179



196183

Transparent Curves

Acrylic plastic .060" thick. Smooth and uniform with accurate edges.

Stk. **196169** Mfg. 1010-6..... 5" **\$ 3.24**

Stk. **196170** Mfg. 1010-8..... 6" **4.15**

Stk. **196172** Mfg. 1010-13..... 8" **4.64**

Stk. **196176** Mfg. 1010-17B..... 8" **5.54**

Stk. **196179** Mfg. 1010-18B..... 8-1/2" **6.61**

Stk. **196183** Mfg. 1010-20..... 11" **6.42**

Sharpeners, Lead Pointers & Erasers, pg. 95.

Curves, cont.

French Curves

3-Piece Set

Made of .080" green-tint plastic with vinyl storage envelope.

Sizes: 5-1/2", 6-1/2", 12-1/2".

Stk. **196126** Mfg. FC33..... **\$ 5.38**

8-Piece Set

Full size curve set with double-beveled inking edges. Transparent smoke gray plastic.

Sizes: 5-1/4" to 10".

Stk. **196129** Mfg. FC88... **\$ 15.10**



Truflex II Flexible Curves



Alvin Lightweight aluminum core easily forms to hold any curve. Flat inking edges measure millimeters and inches. Metric graduations are red, fractional graduations are black. Lead and phthalate free.

Stk. **196093** Mfg. A1044-12..... 12" **\$ 7.16**

Stk. **196094** Mfg. A1044-24..... 24" **14.80**

Templates

Alvin

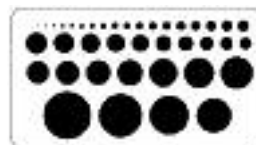
Small Circles

39 circle cutouts with centering lines, decimal and mm equivalents.

Size range: 1/16" to 1-3/8".

Size: 4" x 7-1/4" x .030".

Stk. **196612** Mfg. TD1200..... **\$ 7.16**



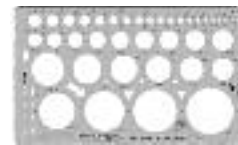
Circles

39 circles.

Size range: 1/16" to 1-5/8".

Size: 4-3/4" x 8" x .020".

Stk. **196098** Mfg. 85T..... **\$ 3.47**

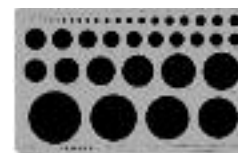


42 circles.

Size range: 1/32" to 2-1/4".

Size: 6-1/4" x 9-3/4" x .020".

Stk. **196339** Mfg. 88T..... **\$ 4.80**



Large Circles

11 large circles with fractional, decimal and mm designations, plus corner radii.

Size range: 1-1/2" to 3-1/2".

Size: 8-1/2" x 11" x .030".

Stk. **196220** Mfg. TD1201..... **\$ 9.23**



Templates, cont.

Alvin, cont.

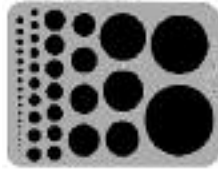
Circle Master

44 circles.

Size range: 1/16" to 3".

Size: 7" x 9-1/4" x .030".

Stk. **196351** Mfg. TD445 \$ 8.06



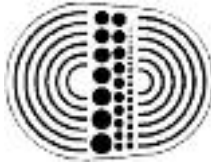
Radius Circles

62 circles.

Size range: 3/64" to 7-1/2".

Size: 7-1/2" x 10" x .030".

Stk. **196613** Mfg. TD1202 \$ 9.45



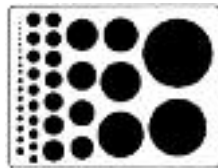
Combo Circles

45 circles in decimal, fractional, and mm designations.

Size range: 1/16" to 2-1/4".

Size: 7-1/4" x 8-1/4" x .030".

Stk. **196614** Mfg. TD1204 \$ 8.33



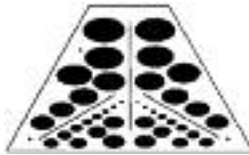
Isometric Ellipses

38 ellipses of 35°-16' projection.

Size range: 1/8" to 1-9/16".

Size: 6-5/8" x 11-1/4" x .030".

Stk. **196628** Mfg. 123R \$ 14.00

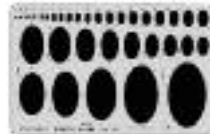


35 ellipses.

Size range: 1/16" to 2-1/2".

Size: 6-1/4" x 9-7/8" x .020".

Stk. **196060** Mfg. 97T \$ 6.30



40 ellipses.

Size range: 3/32" to 1-9/16".

Size: 6-1/2" x 10-1/2" x .020".

Stk. **196061** Mfg. 94T \$ 6.30



Large Isometric Ellipses

25 ellipses with isometric axes.

Size range: 1-1/2" to 7".

Size: 6" x 10" x .040".

Stk. **196629** Mfg. 124R \$ 20.60

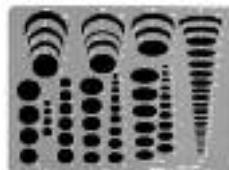


4-in-1 Ellipses

74 ellipses with projections of 15°, 30°, 45°, and 60°. Major axes of 5/16" to 2-1/4". Fractional and decimal designations included.

Size: 8-1/4" x 12" x .030".

Stk. **196227** Mfg. TD1262I \$ 18.40

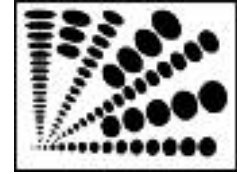


Combo Ellipses

79 ellipses with projections of 15°, 30°, 45°, and 60°; 15° from 3/16" to 1-5/8"; 30° from 1/8" to 1-1/2"; 45° from 1/8" to 1-3/4"; 60° from 1/8" to 1-5/8".

Size: 8-1/2" x 11" x .030".

Stk. **196638** Mfg. 479R \$ 19.10

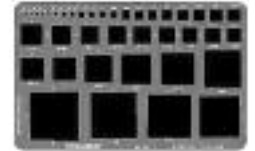


Squares

Forty squares from 1/16" to 2".

Size: 6-1/4" x 9-3/4" x .020".

Stk. **196520** Mfg. 47T \$ 7.29



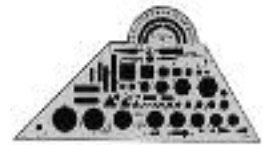
General Purpose

Circles, squares, hexagons, triangles, arrows, rectangles, and brackets. Edge scales in 10ths and 16ths, lettering guide, 3" protractor, and 30°, 60°, 90°, and 35° angles.

Size range: 1/16" to 1".

Size: 5-1/2" x 10-1/4" x .030".

Stk. **196118** Mfg. 18R \$ 13.20



Small Arrow Indicator

Nine sizes ea. of 5 different arrow shapes.

Size: 3-5/8" x 5-7/8" x .020".

Stk. **196350** Mfg. TD302 \$ 4.84



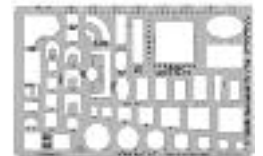
Home Furnishings

Furniture for living room, dining room, bedroom and office.

Scale: 1/4" = 1'.

Size: 6-1/4" x 9-7/8" x .020".

Stk. **196059** Mfg. 132T \$ 7.09



Furniture pieces for living and dining rooms, den, library, bedroom, and kitchen (36 symbols) with edge scale.

Scale: 1/4" = 1'.

Size: 5-1/2" x 8-5/8" x .030".

Stk. **196144** Mfg. TD714 \$ 8.98

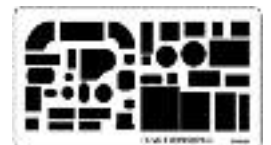


For kitchen, dining room, bedroom, library, family room, and living room.

Scale: 1/4" = 1'.

Size: 5-3/4" x 10" x .030".

Stk. **196610** Mfg. TD1155 \$ 8.78



Templates, cont.

Alvin, cont.

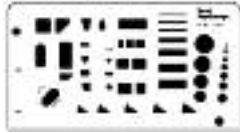
CBA Architectural

Edge scale, circles, door swings, kitchen and lavatory fixtures, shelves, cupboards, and roof pitch index.

Scale: 1/8" = 1'.

Size: 3-3/4" x 6-1/4" x .030".

Stk. **196135** Mfg. 33R..... \$ **14.40**



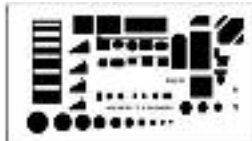
Architects & Builders

Circles, rectangles, lavatory and kitchen fixtures, roof pitch index, tile layout gauge, door swings, floor elevation indicator and electrical symbols.

Scale: 1/4" = 1'.

Size: 5-1/4" x 9-1/4" x .030".

Stk. **196609** Mfg. TD1151..... \$ **9.88**



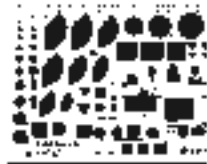
House Planning & Layout

Circles, squares, rectangles, triangles, hexagons, lavatory and kitchen fixtures, door swings, electrical symbols, and 16" O.C. spacing edge.

Scale: 1/4" = 1'.

Size: 5-3/8" x 7" x .030".

Stk. **196608** Mfg. TD1150..... \$ **6.26**



Professional House Plan

Circles, door swings, kitchen and lavatory fixtures. 6", 8", and 9" spacing notches, electric wiring symbols, tile layout indicator and lower edge strip.

Scale: 1/4" = 1'.

Size: 5-1/4" x 9-3/4" x .020".

Stk. **196637** Mfg. 35T..... \$ **6.30**



House Plan Fixtures

Door swings, kitchen and lavatory fixtures, ANSI symbols, circles, floor elevation indicator and roof pitch index.

Scale: 1/4" = 1'.

Size: 4-1/4" x 9-1/2" x .030".

Stk. **196352** Mfg. TD1538..... \$ **9.86**

Scale: 1/4" = 1'.

Size: 4-3/8" x 9-1/2" x .030".

Stk. **196062** Mfg. 22R..... \$ **12.00**



House Plan

Stairs, doors, plumbing fixtures, kitchen equipment, appliances and roof pitch index.

Scale: 1/4" = 1'.

Size: 5-1/4" x 6-7/8" x .020".

Stk. **196063** Mfg. 30T..... \$ **5.27**



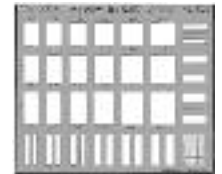
Double-hung Sash Window

N.D.M.A.-approved modular designs for 18 standard size windows.

Scale: 1/4" = 1'.

Size: 6" x 7" x .020".

Stk. **196263** Mfg. 20T..... \$ **4.80**



Plumbing

Front & side elevations of plumbing fixtures in 1/8" = 1'; 1/4" = 1' & 1/2" = 1'.

Size: 5-1/2" x 9-3/4" x .020".

Stk. **196127** Mfg. 37T..... \$ **6.30**



Electrical

Electronic tubes, capacitors, circuit breakers, resistors, relays, switches, logic symbols, etc. Conforms to ANSI Y32.2 and IEEE No. 315. Designed for .200" grid.

Size: 5" x 7" x .030".

Stk. **196616** Mfg. TD1279..... \$ **9.86**



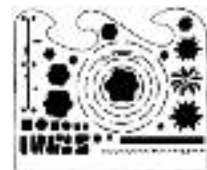
Landscaping

Tree and shrub contours, hedges, fences, rails, flagstone, and lower edge scale.

Scale: 1/4" = 1'.

Size: 7" x 8-1/4" x .030".

Stk. **196611** Mfg. TD1178..... \$ **9.86**



Alphabet

Upper case block letters and numerals.

Size range: 3/8".

Size: 3-3/4" x 6-1/4" x .060".

Stk. **196047** Mfg. 135R..... \$ **11.10**



Alphabet, Modern Bold

Upper case letters, numerals & edge strip.

Size range: 1/8", 3/16" and 1/4".

Size: 2" x 10" x .030".

Stk. **196619** Mfg. TD260V..... \$ **6.52**



Ames Lettering Guide

Clear plastic guide with rotating disc and indexed rim saves time for engineers, architects, draftsmen, etc. Tool allows drawing guide lines and slope lines for lettering from 1/16" H to 2" H.

Holes in disc provide 3 lettering guide ratios (3/5:2/5, 2/3:1/3 & 1:1). Sides of frame provide 68° and 75° angles for slant lettering.

Stk. **196165** Mfg. L666..... \$ **4.50**



Drafting & Drawing Pencils

Alvin

Draftsman Lead Holders

Four-way vise-grip jaw holds 2mm or 3mm lead securely in the lightweight barrel. The push-button control instantly releases lead to any desired length.

Stk. **196008** Mfg. DA. \$ **6.83**



Economical, lightweight design with silver cap, transparent plastic barrel, pocket clip and push button lead advance. 4-way vise-grip jaw holds 2mm lead securely.

Stk. **196285** Mfg. B/2. \$ **4.54**



Refill Leads. Round drawing leads for any standard lead holder. Supplied in a dispenser. 12/tube.

Stk.	Mfg.	Hardness	Size	Price/Tube
196556	5018-HB	HB	2mm	\$ 8.45
196557	5018-H	H	2mm	8.45
196558	5018-2H	2H	2mm	8.45
196559	5018-4H	4H	2mm	8.45
196560	5018-6H	6H	2mm	8.45

Draft-Line Mechanical Pencils

Shock-absorbing reflex point minimizes lead breakage. 0.4mm stainless steel stylus tube is ideal for both drafting and writing. Includes fixed sleeve for writing and built-in eraser under cap with cleaning needle.

Stk.	Mfg.	Size	Color	Price
196577	XA03	0.3mm	yellow	\$ 5.36
196578	XA05	0.5mm	black	5.36
196579	XA07	0.7mm	blue	5.36
196580	XA09	0.9mm	maroon	5.36



3-Piece Sets

Stk. **196662** Mfg. XA357C. 0.3, 0.5, 0.7mm \$ **18.10**
 Stk. **196663** Mfg. XA579C. 0.5, 0.7, 0.9mm **18.10**

Eraser Refills

Stk. **196661** Mfg. EZR. 3/pkg. \$ **1.68**

Refill Leads. High-quality, high-strength Pentel polymer refill leads provide intense black lines for perfect reproduction. 12/tube.

Stk.	Mfg.	Hardness	Price/Dz.
0.3mm			
196581	300-3-HB	HB	\$ 1.89
196582	300-3-H	H	1.89
196583	300-3-2H	2H	1.89
196584	300-3-4H	4H	1.89
0.5mm			
196585	C505-HB	HB	\$ 1.13
196586	C505-H	H	1.13
196587	C505-2H	2H	1.13
196588	C505-4H	4H	1.13
196668	C505-6H	6H	1.13
0.7mm			
196589	50-7-HB	HB	\$ 1.13
196590	50-7-H	H	1.13
196591	50-7-2H	2H	1.13
196669	50-7-4H	4H	1.13
0.9mm			
196592	50-9-HB	HB	\$ 1.13
196593	50-9-H	H	1.13
196594	50-9-2H	2H	1.13

Sharplet-2® Pencils

Pentel Automatic pencil with push-button lead advance, plastic clutch mechanism, removable pocket clip and built-in eraser.

Stk.	Mfg.	Size	Color	Price
196054	A125-A	0.5mm	black	\$ 2.57
196055	A127-C	0.7mm	dark blue	2.57
196056	A129-E	0.9mm	brown	2.57



For Marking Artwork, Drawings, Mechanicals

Non-photo Blue Pencils

High quality eraser-tipped pencil creates a fine blue line that will not smear and does not reproduce by most photographic processes.

Stk. **196290** Mfg. 1824T. 12/box \$ **11.30**



Drawing Pencils

Circle drawing pencils have casing of selected cedar with comfortable semi-hex shape. 12/sleeve.

Stk.	Mfg.	Hardness	Price/Dz.
196665	5054-F	F	\$ 5.64
196666	5054-H	H	5.64
196667	5054-3H	3H	5.64
196561	5054-HB	HB	5.64
196562	5054-2H	2H	5.64
196563	5054-4H	4H	5.64
196564	5054-6H	6H	5.64



Kimberly® drawing

pencils have all-wood casing of western cedar, specially treated for easy sharpening. Nonporous leads for extra long durable points and dense lines of high opacity. 12/box.

Stk.	Mfg.	Hardness	Price/Dz.
196565	525G-HB	HB	\$ 8.37
196566	525G-H	H	8.37
196567	525G-2H	2H	8.37
196568	525G-4H	4H	8.37
196569	525G-6H	6H	8.37



Penstix Technical Markers

Alvin Produces sharp lines for drawing or use with a straightedge. India Ink-quality black ink won't bleed through most papers. For technical drawing, sketching, fine art, lettering and illustration. Durable plastic fiber nib won't clog. Pocket clip and cap.

Stk.	Mfg.	Size	Color	Price
196027	3013-EEF	0.3mm	black	\$ 1.60
196028	3015-EF	0.5mm	black	1.60
196029	3017-F	0.7mm	black	1.60

Stk. **196031** Mfg. 3033. 3-Marker Set (listed above) \$ **5.79**



Locking Drafting Tool Cabinets
 Order them with or without the tools & supplies!
Page 71.



Pencil Sharpeners

Manual

Boston Positive-lock pencil guide for 8 different sizes. Pencil stop prevents over sharpening. Includes screws for mounting on desktop or wall.

Stk. **477000** Mfg. 1031 \$ **14.70**



Boston Heavy-duty unit has solid steel gear and 30 cutting edges. Adjustable pencil guide for 8 different sizes. Beige metal stand. Mounts on desktop or on wall. Mounting screws included.

Stk. **476980** Mfg. 1001 \$ **33.00**

X-Acto Heavy-duty, traditional Model L sharpener mounts easily onto any horizontal surface. Single entry slot fits most standard pencils. Large chrome receptacle for shavings. Black handle and base.

Stk. **477050** Mfg. 1041 \$ **15.80**



Acme Kleencut® pencil/crayon sharpener. Dual-hole metal sharpener with plastic container for shavings.

Stk. **189220** Mfg. 12202 \$ **3.18**

Electric



Boston All-steel cutter features a pencil stop to prevent over sharpening. Putty beige finish with woodgrain accent panel.

Stk. **477495** Mfg. 1800 \$ **27.70**

X-Acto Designed for young students, the SchoolPro® sharpener produces a safe, rounded pencil point. Adjustable 6-position guide. Pencil stop prevents over-sharpening. Heavy-duty, quiet-running motor. Durable plastic case with see-through shavings receptacle.

Stk. **477400** Mfg. 1670 \$ **48.40**



X-Acto Heavy-duty model sharpens standard size pencils with a genuine case-hardened solid steel cutter. True automatic pencil stop prevents over sharpening. Sturdy construction, high-impact plastic case. Extra large see-through shavings receptacle. Woodgrain finish.

Stk. **477485** Mfg. 1716 \$ **58.30**



Electric Stapler

X-Acto Compact, energy-efficient stapler with 20-sheet capacity. Engineered for jam-free operation. Large staple capacity. Front-load design. Black finish.

Stk. **477520** Mfg. 73101 \$ **45.00**

Stk. **477525** Mfg. 73785B 1/4" staples, 5,000/box **1.59**



Adjustable 3-Hole Punch

X-Acto All-steel punch can drill 12 sheets at a time (20 lb. paper). 2- or 3-hole punch with removable chip tray and non-skid base.

Stk. **477300** Mfg. 1518 \$ **16.70**

Lead Pointers

Alvin

Lead Pointers

Mini-rotary

Lightweight lead pointer has removable top with built-in point cleaner. Made of high-impact plastic.

Stk. **196546** Mfg. 42 \$ **11.10**

Stk. **196570** Mfg. EP15... 10 Refill Point-cleaning Pads **4.72**



Desk Clamp-on Style

Alvin Compact pointer makes smooth, precise points. 4 interchangeable collars accommodate various-sized lead holder diameters. Extra-large dust receptacle. 3-point cleaning pads and built-in storage for spare collars and pads. 2-point gauges in the turret measure lead extension for blunt or sharp points.

Includes 3 point cleaning pads, 4 collars & clamp (fits table up to 2").

Stk. **196053** Mfg. EP17 \$ **19.90**

Stk. **196052** Mfg. EP14 12 Refill Point-cleaning Pads **1.62**

Sandpaper Pointer

Ideal for pointing pencils, leads, charcoal and crayons by hand.



Includes 12 sheets of sandpaper mounted on a wooden handle.

Stk. **196596** Mfg. 3435 12/pkg. \$ **8.86**

Erasers & Supplies

Art Gum Erasers

Alvin General purpose eraser. Also ideal for removing charcoal lines.

Stk. Mfg. Size Qty./Pkg. Price

196551 1220AE 1" x 1" x 7/8" 24 \$ **8.86**

196552 1223AE 2" x 1" x 7/8" 12 **8.41**



Red Cap Erasers

Alvin Traditional chisel-shape eraser is designed to fit all standard-sized pencils.

Stk. Mfg. Size Qty./Pkg. Price

196595 73015FC — 144 \$ **12.00**



Magic Rub Drafting Erasers

Alvin Specially-designed for removing marks from drafting film and tracing paper. White vinyl will not mark, smudge drafting surface.

Stk. Mfg. Size Qty./Pkg. Price

196553 1954FC — 12 \$ **11.00**



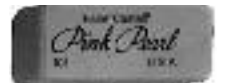
Pink Pearl Erasers

Alvin Soft, pliable for smudge-free erasing on most surfaces. Beveled at both ends.

Stk. Mfg. Size Qty./Pkg. Price

196547 100FC 2-1/2" x 3/4" 24 \$ **16.30**

196548 101FC 2-1/2" x 1" 12 **9.48**



Erasers & Supplies, cont.

Rub-Lite White Rose Eraser

Alvin Soft, pliable natural rubber eraser, beveled at both ends. Won't smudge or tear drafting surface.



Stk.	Mfg.	Size	Qty./Pkg.	Price
196475	2303AE	2-1/2" x 3/4"	40	\$ 17.80

White Vinyl Pencil Erasers

Alvin Non-abrasive, self-cleaning eraser removes graphite from paper, vellum and film without ghosting. Protective sleeve keeps hands and eraser clean. Phthalate- and latex-free.



Stk.	Mfg.	Size	Qty./Pkg.	Price
196228	1410AE	2-3/8" x 7/8" x 1/2"	20	\$ 14.80

Clic Eraser

Pentel Nonabrasive white vinyl eraser in pen-style holder can be advanced easily as it wears.

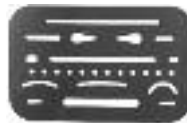


Stk.	Mfg.	Size	Qty./Pkg.	Price
196597	ZE22-B	—	each	\$ 2.22

Stk. 196598 Mfg. ZER. Refill Eraser Strips, 2/pkg. \$ 1.91

Erasing Shield

Alvin Quality stainless steel shield protects surrounding artwork when erasing. 26 precision tooled openings. Polished, tarnish-resistant finish.



Stk. 196652 Mfg. 3298 \$.74

Professional Draftsman's Cleaning Pads

Alvin Powdered gum eraser in a mesh fabric pad that gently removes smudges and dirt from drafting media without abrading the surface. Nothing cleans so easily or so thoroughly.



Stk. 196225	Mfg. 1238	1.5 oz.	\$ 3.08
Stk. 196222	Mfg. 1248	3 oz.	4.72

QuicKleen Drafting Powder

Alvin Finely-ground, white cleaning compound prevents dust, dirt and smudges from being ground into the drafting media. Use for cleaning smudged drawings.



Stk. 196221	Mfg. 1246	2 oz. shaker	\$ 4.88
Stk. 196044	Mfg. 1247	16 oz. dispenser	15.60

Dusting Brushes

Alvin Comfortable curved handle holds sterilized mixed horsehair in a single row of tufts to provide a stiff brushing action.



Stk. 196286	Mfg. 2340	10" L	\$ 2.92
Stk. 196278	Mfg. 2342	15-1/2" L	3.61

Tape

Ideal for Affixing Board Covers

Double-sided Tape

Alvin VYCO-Strip double-sided tape. Special, thin, double-coated tissue paper tape has adhesive on both sides, protected by silicone paper. Interlined for quick, easy application.

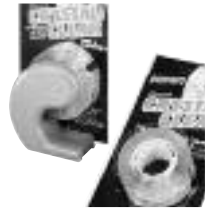


Stk.	Mfg.	Roll Size	Core Size	Price
196260	2400-A	3/4" x 36 yd.	3/4"	\$ 10.40
196279	2400-B	3/4" x 36 yd.	1"	13.40
196287	2400-C	1" x 8.3 yd.	1-1/2"	6.08

Strong & Versatile

Invisible Tape

Alvin Disappears completely on all papers, and won't create shadowy ghosts on photocopies or diazo copies. Long-lasting, moisture-resistant tape won't curl, crack or yellow and has strong holding power. For blueprinters, architects and engineers. Will also mend torn vellum sheets.



Stk.	Mfg.	Roll Size	Core Size	Price
196255	CC134	3/4" x 36 yd.	1" . . . tape w/dispenser	\$ 11.10
196256	CC340	3/4" x 36 yd.	1" tape refill	7.82

Opaque Drafting Tape

Alvin Smooth "low tack" surface. Leaves no stain, sticky particles or abraded surface.



Stk.	Mfg.	Roll Size	Core Size	Price
196276	2300-A	1/2" x 60 yd.	3"	\$ 5.13
196275	2300	3/4" x 10 yd.	1"	3.82
196277	2300-B	3/4" x 60 yd.	3"	6.77



Drafting Strips

Alvin 3/8" x 1-1/2" strips stored in a pull-tab dispenser that supplies 2 strips simultaneously.

Stk. 196136 Mfg. DS125. 500 strips/dispenser \$ 8.98

Alternative to Masking Tape

Drafting Dots

Alvin 7/8" Dia. dots secure work on drawing surfaces to prevent paper curl and tear. Good tack, but easily removed without damage to artwork. Stored in a pull-tab dispenser.



Stk. 196134 Mfg. DM123. 500 dots/dispenser \$ 8.16

Call for a Free copy of our full-line Drafting Catalog.

CAD / Drafting Furniture

Art Horse	75
CAD / Drafting Tables	53
Chairs & Stools	75
Mobile Art Center	59

Drafting Room Shears

Alvin Oversized shears designed to cut blueprints and drafting film cleanly. Nickel-plated blades with black enamel handles.



Stk. **196033** Mfg. 1095-10..... 10" L **\$ 30.00**



Perfectly Straight Cuts Every Time Guillotine Paper Trimmer

X-Acto Hardened steel blade provides consistent precision cutting through multiple sheets of various materials (*all paper types, photographs, fabrics & film*). Perpetual edge self-sharpening system.

Square platform and reduced-edge profile eases cutting of long or odd-shaped materials. Platform's multi-square design assists user in lining up materials to cut.

- Safety latch on arm & safety guard keep fingers from blade
- Heavy-weight solid wood base (3/4" T) • For high use in schools

Stk.	Mfg.	Size	Price
476970	26615	15" x 15".....	\$ 89.40
476971	26618	18" x 18".....	115.00
476972	26624	24" x 24".....	218.00
476973	26630	30" x 30".....	307.00

Drawing & Layout Paper

Cross Section Drawing Paper

Alvin Non-reproducible blue grid on 1 side with inch squares accentuated. Good erasing qualities and easy-to-read markings. Convenient pad form. 20 lb. paper.



Stk.	Mfg.	Size	Grid Size	Sheets/Pad	Price
196250	1422-2	8-1/2" x 11"	4 sq./in.	50 sheets ...	\$ 7.34
196252	1422-4	8-1/2" x 11"	8 sq./in.	50 sheets ...	7.34
196253	1422-5	8-1/2" x 11"	10 sq./in.	50 sheets ...	7.34
196402	1422-7	11" x 17"	4 sq./in.	50 sheets ...	\$ 11.90
196403	1422-9	11" x 17"	8 sq./in.	50 sheets ...	11.90
196404	1422-10	11" x 17"	10 sq./in.	50 sheets ...	11.90
196405	1422-12	17" x 22"	4 sq./in.	50 sheets ...	\$ 22.60
196406	1422-14	17" x 22"	8 sq./in.	50 sheets ...	22.60
196407	1422-15	17" x 22"	10 sq./in.	50 sheets ...	22.60
196653	1420-2	8-1/2" x 11"	4 sq./in.	100/pad ...	\$ 12.30
196654	1420-4	8-1/2" x 11"	8 sq./in.	100/pad ...	12.30
196655	1420-7	11" x 17"	4 sq./in.	100/pad ...	\$ 24.20
196656	1420-9	11" x 17"	8 sq./in.	100/pad ...	24.20
196657	1420-12	17" x 22"	4 sq./in.	100/pad ...	\$ 39.00

You may also need:

Chairs & Stools.....	75
Monitor Arm.....	53
Drafting Tables.....	54
Flat Storage Cabinets.....	57

Drawing & Layout Paper, cont.

Premium Heavyweight Mechanical Drawing Paper

Alvin Premium quality for drafting and drawing. Tough sulphite paper has a fine tooth finish and exceptionally good erasing qualities. 45% recycled fiber content. 80 lb. paper.

Stk.	Mfg.	Size	Color	Sheets/Pkg.	Price
196380	9040-1	9" x 12"	cream	500.....	\$ 44.50
196384	9040-3	12" x 18"	cream	500.....	89.60
196385	9040-6	18" x 24"	cream	250.....	92.80
196420	9430-1	9" x 12"	green	500.....	\$ 44.50
196426	9430-3	12" x 18"	green	500.....	89.60
196383	9430-6	18" x 24"	green	250.....	92.80
196340	8050-1	9" x 12"	white	500.....	\$ 44.50
196344	8050-3	12" x 18"	white	500.....	89.60
196347	8050-6	18" x 24"	white	250.....	92.80

Isometric Sketching Paper

Alvin White sulphite paper with non-reproducible blue grid for mechanical drawing or design. Scale drawings in 3 directions (*the axes are 120° apart, one at vertical, the other at 30°*). 60 lb. paper.



Stk.	Mfg.	Size	Sheets/Pkg.	Price
196332	1242-5	8-1/2" x 11"	100.....	\$ 13.80
196333	1242-6	11" x 17"	100.....	28.10
196334	1242-3	8-1/2" x 11"	500.....	\$ 53.60
196335	1242-4	11" x 17"	500.....	104.00

Tracing Paper

Alva-Line Professional Tracing Paper

Alvin Medium-weight vellum made of 100% new cotton rag fibers, imparting high resistance to wear and tear. Non-fading blue-white paper has finely-grained surface with excellent pencil/ink receptivity, non-ghosting erasure traits. Pencil lines don't become embedded. 16 lb. paper (.00275 thickness).

Stk.	Mfg.	Size	Sheets/Pad	Price
196453	6855-S-1	8-1/2" x 11"	100 sheets.....	\$ 17.80
196454	6855-S-3	9" x 12"	100 sheets.....	23.10
196455	6855-S-5	11" x 17"	100 sheets.....	35.60
196456	6855-S-6	12" x 18"	100 sheets.....	45.70
196457	6855-S-7	17" x 22"	100 sheets.....	67.60
196458	6855-S-8	18" x 24"	100 sheets.....	72.90
196443	6855-A	30" x 20 yds.	roll.....	\$ 54.10
196444	6855-B	36" x 20 yds.	roll.....	51.50

Alva-Line w/ Title Block & Border

196446	6855-B-1	8-1/2" x 11"	100/pad.....	\$ 34.40
196447	6855-B-2	9" x 12"	100/pad.....	35.10
196448	6855-B-3	11" x 17"	100/pad.....	68.70
196449	6855-B-4	12" x 18"	100/pad.....	64.20
196451	6855-B-5	17" x 22"	100/pad.....	121.00
196452	6855-B-6	18" x 24"	100/pad.....	121.00

Opaque Bond Plotter Paper

Alvin Extremely durable, yet economical, snow white finish provides excellent contrast. Great for pen or ink jet use. Use when diazo production is not intended. Recommended pen type: felt tip or ballwriter.

Stk.	Mfg.	Size	Sheets/Pkg.	Price
196408	5811-1	8-1/2" x 11"	100.....	\$ 8.47
196409	5811-5	11" x 17"	100.....	13.40
196410	5811-7	17" x 22"	100.....	25.90
196311	5811-8	18" x 24"	100.....	27.90
196411	5811-9	22" x 34"	50.....	\$ 29.40
196412	5811-10	24" x 36"	50.....	33.30

