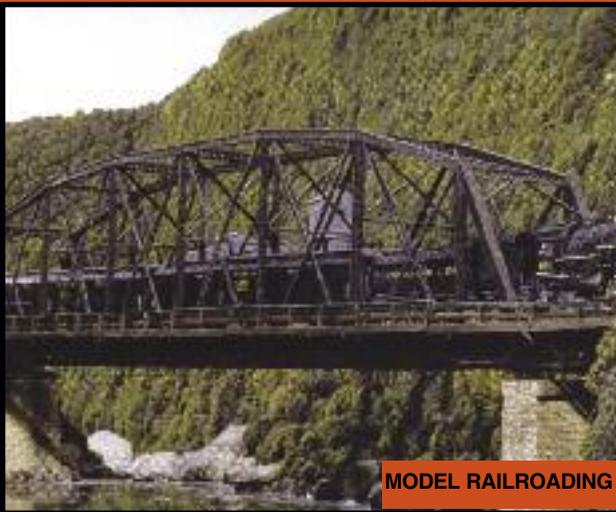




Plastruct

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**INTERNATIONAL SUPPLIER OF ARCHITECTURAL,
EDUCATIONAL AND HOBBY MODEL PARTS**



MODEL RAILROADING



EDUCATION/TECHNOLOGY



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- SCRATCH BUILDING
- SPECIAL EFFECTS
- TECHNOLOGY ED



DOLLHOUSE/MINIATURES



ARCHITECTURAL

WELCOME TO PLASTRUCT

Dear Customer:

This New PLASTRUCT Catalog contains the world's finest and most comprehensive selection of scratchbuilding hobby model parts. We are proud to offer over 4500 model products in this New, Volume 10 Universal Catalog directed specifically to the scratch modeling enthusiast.

If this is your first exposure to PLASTRUCT, we are confident you will find many products of interest. If you are already familiar with PLASTRUCT, thanks for your continued support. We know you will appreciate our improved graphics and product specifications, and the inclusion of metric dimensions for our international friends.

To obtain PLASTRUCT products, first see your local Hobby Dealer. If they cannot help you, use the handy Mail Order Form included with this Catalog or visit our online store at www.plastruct.com. You can also contact the PLASTRUCT Representative in your country listed on our website at www.plastruct.com.

Good Luck on your modeling projects.

THE HISTORY OF PLASTRUCT

PLASTRUCT was established in 1968 to serve the consumer hobbyist through mail order and retail stores. Beginning as a one man, 500 sq. ft. operation, PLASTRUCT grew into an international company with over 50 employees and corporate offices, warehouses and production facilities now totalling 30,000 sq. ft.

PLASTRUCT's original products were conveniently displayed in a colorful, rotating, counter-top display. The first 16-page PLASTRUCT Catalog contained approximately 250 products consisting of Gray ABS Structural Shapes and White Butyrate Tubing with some basic Fittings.

PLASTRUCT grew slowly but steadily during the first 20 years, adding a few new products or model railroading scratchbuilding Kits with each new Catalog printing. While PLASTRUCT's product range increased moderately, PLASTRUCT's worldwide expansion moved rapidly with nearly 5000 Displays worldwide and foreign subsidiary offices on four different continents.

PLASTRUCT's customer base also grew to include Architectural model builders, Graphic Artists, Miniaturists and Doll House enthusiasts, Special Effects companies, Schools and Educators. In 1985, PLASTRUCT merged with a sister company specializing in architectural model parts, which caused PLASTRUCT's product range to increase to more than 2000 different products.



With the addition of PLASTRUCT's FineLine White Styrene Structural Shapes, Sheet and Tubing, and the Design Technology (D&T) Educational product line in 1990, PLASTRUCT now manufactures and distributes over 4500 versatile products, directed toward every facet of model building and design. PLASTRUCT provides quality service and products to Architects, Art Designers, Craftsmen, Educators, Engineers, Graphic Artists, Industrial Designers, Kit-Bashers, Military Modelers, Miniaturists, Model Railroaders and Scratchbuilders of all types. PLASTRUCT parts can be used for model-building in scales ranging from very small (1:1200) to quite large (1:12) by professionals and hobbyists alike.

PLASTRUCT scratchbuilding products cover every part of a model, from foundation to landscaping to finishing. Presented in colorful, space-saving, sturdy, point-of-purchase floor and counter-top Displays, PLASTRUCT's well recognized rotating merchandisers are now located in 7500 Hobby, Graphic Art, Book, Craft, and other retail stores worldwide.

PLASTRUCT is also available by mail order from several different sources, including factory direct when necessary, and now offers its full range catalog online with easy ordering.

PLASTRUCT utilizes three major manufacturing processes. In-house facilities include five injection molding presses, five extrusion lines, one sheet line, one wire coating line and one vacuum former. The most accurate and quality efficient methods of production and the most suitable raw materials have been selected. For customer convenience, this fully illustrated PLASTRUCT Catalog lists the manufacturing process and material for each product.

We thank the following contributors for the front cover photographs: Kalmbach Publishing © 2006 used w/ permission of Model Railroader Magazine; E.M.A. Model Supplies, LTD., Shepperton, Middlesex, U.K.; Charles Purin, Lake, MI; Model Builders Supply, Ontario, Canada; Spencer Smith, Spencer Presentations; and for the rear cover photographs: Spencer Smith, Spencer Presentations; Dean Freytag, Ashland, OH; Verlinden, Letterman & Stok, Inc., O'Fallon, MO; John Ackerman, Bellflower, CA; Davy McKee, Cleveland, OH; Harvey Vandergriff, Cottonwood, CA; Jeff Crewe & Jane Corbus, Wind Machines, Littleton, MA; Universal Services Associates, Colwyn, PA; and Spencer Smith, Spencer Presentations.

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PRODUCT GROUP

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Photo courtesy of Dean Freytag, Ashland, OH

PLASTRUCT PLASTICS

The most commonly used plastic materials are:

1. **ABS** - known for its strength, durability and workability.
2. **BUTYRATE** - pliable, machinable and durable.
3. **STYRENE** - compatible, strong and workable.
4. **ACRYLIC** - rigid, strong and generally brittle.
5. **COPOLYESTER** - pliable, stress resistant and durable.

Plastic has been used whenever possible because it is easier and faster to work with than wood, metal or cardboard. Plastic can be sawed, blade cut, drilled, lathe-turned, carved, sanded and filled. Most standard woodworking tools may be used on plastic and it will not splinter. Plastic parts join in seconds with small amounts of liquid solvent cement. For bonding plastic sheet materials to foam, wood or Masonite, Contact Cement can be used. For large sheet stock, many professionals prefer to use counter sunk screws for attachment. A spray adhesive is sometimes easier for small jobs.

ABS

ABS has been hailed by professional modelmakers as "the best all-around construction material since wood". Stronger and more rigid than many metals; easier and more flexible to work with than any previous plastic; cleaner and more durable than wood, ABS structural shapes by PLASTRUCT have been used for engineering design models on an international scale since their introduction. ABS is also one of the best plastics for heat or vacuum forming and, of course, has excellent bonding characteristics, not only to itself but to other commonly used plastics.

PLASTRUCT Traditional Structural Shapes are all carefully molded and extruded to extremely close tolerance and in the colors to best represent the materials being simulated. The plastic we have selected (an ABS formulation) best meets our specifications for stability with just the desired amount of flexibility to minimize shock.

ABS is a thermoplastic terpolymer combining the best qualities of the Acrylics, Butyrates, and Styrenes. It is more than half again as rigid as its cousin, Styrene, and size for size, is nearly as rigid as brass. Extremely resistant to most acids and alkalis, the ABS lustrous surface is unaffected by most chemicals, even lacquer - a property unheard of in the early plastics.

Unlike wood and brass, PLASTRUCT ABS Traditional Structural Shapes require no priming, sanding, or sealing to enhance its hard finish. But like even the most primitive plastics, ABS bonds easily, quickly, and with a minimum of fuss.

BUTYRATE

The material used in our Traditional Round Tubing medium is Butyrate plastic. It has proven to be ideal because it is so convenient to work with. It can be cut, turned, drilled, painted and easily cemented. The Tubing and Tubing Fittings are manufactured to provide a good friction fit and maintain the outside diameter; splines on the male Fittings accomplish tight fit and prevent undesired rotation and still allow intentional turning. This feature permits cementing to be a final operation. The telescoping sizes of the pipe combined with the workability makes improvisation quite simple.

Butyrate can be lathe-turned in the same manner as brass or Cast Acrylic. Grind the cutting tool to provide chip clearance. The resultant turnings will have a polished surface. This material can also be drilled, tapped, carved or saw cut. Very slow speed is required for machine sanding.

Fittings can be more readily attached to Tubing, particularly in sizes 5/16" and over, if the pipe is screwed onto the Fitting. Always rotate the Tubing in the same direction whether attaching or removing the Fitting.

STYRENE

Styrene (also known as Hi-Impact PolyStyrene) is the most commonly used plastic in molded plastic kits (Model Railroad, Automobile, Airplane and Ship). For that reason, we have chosen Styrene as the medium in our New FineLine Structural model parts for compatibility in kit-bashing. It may be combined with wood, metal and other plastics using special glues or cements. Styrene has a tendency to be brittle, especially after lengthy U.V. exposure or painting. It is easily warped by solvents, so care must be taken when cementing flat sheets for walls, and reinforcement bracing is recommended. When constructing closed tanks or structures, venting is recommended to allow the inside and outside temperatures to equalize. Styrene has excellent forming characteristics and bonds rapidly and permanently. Styrene plastic cuts easily using the "scribe and break" method. Only use Enamel, Alkyd Oil, Latex or Acrylic paints specified for Styrene plastics.

ACRYLIC

Acrylic is the most rigid and brittle of these plastics. Acrylic is processed in three methods; cast, extruded and molded. It is usually warp-free. When used for model making, Acrylic is usually used in tubing and thick sheet form, cubes and balls, and round, square and triangular rod. Acrylic accepts most paints, including lacquer.

COPOLYESTER

Copolyester (also known as P.E.T.G.) is tougher and less prone to split or shatter than Acrylic. It has excellent clarity in sheet form, and is resistant to stress whitening. It is easily formable and not prone to warp. Copolyester is quite stable and bonds well to itself, however with most other plastics, a special industrial grade Cyanoacrylate Glue is recommended. Accepts most paints, including lacquer.

WORKING WITH PLASTRUCT

PAINTING

While certain types of paint adhere better than others on various types of plastic, almost any type of paint may be used. Alkyd oils are probably the best all around paints and are available in flat or satin finishes. Use Floquil brushable paints for painting basswood. The pigment in this paint is specially ground to provide good coverage without hiding detail. Latex paints are only suitable when the surface offers some mechanical bond (matte finish). Water colors and poster paints are not recommended. Lacquers are ideal for ABS and Butyrate but are not compatible with Styrene. Minwax stain is excellent for Basswood. Be sure to pre-stain all parts before gluing as the glue seals the wood and prevents the stain from penetrating.

HEAT FORMING

Heat forming, shaping and bending plastics can be done easily in as simple a device as a kitchen oven, provided that the upper heat range can be controlled. The most widely used plastic sheet materials for forming are ABS, Butyrate and Styrene. A new material which also has excellent forming properties is Copolyester plastic sheet. The best temperature to work with these materials is approximately 200° - 250° F (120° C), and, unless you actually want to melt the material to a near liquid, don't exceed about 400° F (205° C) under any circumstances.

TOOLS

Possibly the single most useful tool for most model builders is a hobby knife (X-Acto style) with a #11 blade. Add to this a heavy steel rule or straight edge, a triangle or square, hobby saw, an assortment of small files, a mitre box, tweezers or hemostats, a sheet plastic cutting tool, dividers, hand drills, pin vise and bits and you have the contents of a basic toolbox. For most projects, small table top power equipment can be used for a more professional approach and quicker completion. These might include a disc sander, circular saw, drill press, belt sander, a mini drill and bit assortment, and possibly a lathe. Care should be taken when cutting, drilling or machining plastic material to avoid excessive speed or pressure by the tool to the materials, as melting and gumming will result.

PLASTIC WELD CEMENT

Instantly tacky. Sets in minutes - bonds permanently overnight. Economical to use. Special formulation dissolves a thin layer of each surface to be joined. It evaporates quickly and forms a welded joint; one as strong as the surrounding plastic. Apply with a small brush or blunted syringe-type applicator. Capillary action will spread it the length and breadth of the joint for a continuous solid weld. Plastic Weld works on most dissimilar Styrene, Butyrate, ABS and Acrylic applications.

BONDENE CEMENT

Bonds instantly. Sets in seconds - bonds permanently in minutes. Economical to use. Special formulation dissolves a thin layer of each surface to be joined. It evaporates quickly and forms a welded joint; one as strong as the surrounding plastic. Apply with a small brush or blunted syringe-type applicator. Capillary action will spread it the length and breadth of the joint for a continuous solid weld. Bondene works on all "alike" Styrene, Butyrate, ABS, Acrylic and Copolyester applications.

CEMENT GUIDE

For the various materials found in this Catalog, the following cements are recommended:

Styrene

Similar plastics - BOND-2 and PPC-2

Dissimilar plastics - PPC-2, EPX and CYC

Acrylic sheet, wood & foam - Contact Cement, EPX and CYC

Acrylic

Similar plastics - BOND-2, PPC-2 and WOC-3

Dissimilar plastics - PPC-2 and CYC

Acrylic sheet, wood & foam - Contact Cement, EPX and CYC

ABS

Similar plastics - BOND-2 and PPC-2

Dissimilar plastics - PPC-2 and CYC

Acrylic sheet, wood & foam - Contact Cement, EPX and CYC

Butyrate

Similar plastics - BOND-2 and PPC-2

Dissimilar plastics - PPC-2 and CYC

Acrylic sheet, wood & foam - Contact Cement and CYC

Copolyester

Similar plastics - BOND-2 and PPC-2

Dissimilar plastics - CYC-10

Acrylic sheet, wood & foam - CYC-10 and Contact Cement

Urethane Foam (Foam)

Foam - Hot Glue or Contact Cement

All others - Contact Cement

Expanded Polystyrene Foam (Foam)

Foam - Spray Adhesive and White Glue

All others - Spray Adhesive, White Glue and Contact Cement

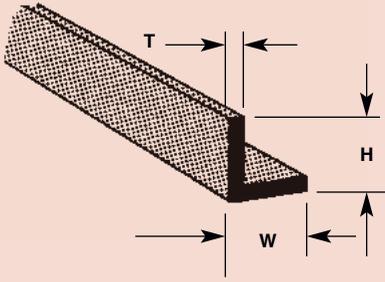
Basswood and Balsawood

Wood - Aliphatic Resin

Paper - White Glue

All others - Contact Cement

STRUCTURAL SHAPES



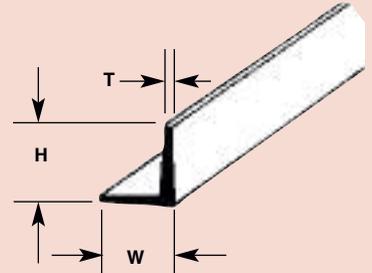
TRADITIONAL ABS ANGLES

Use for bracing in the construction of heavy steel structures, and vertical support legs in light structures. Precision Injection Molded in Dark Gray ABS Plastic. Ideal for all outdoor or professional model construction where model life is critical. High impact characteristics provide durability, flexibility and longevity of the model.

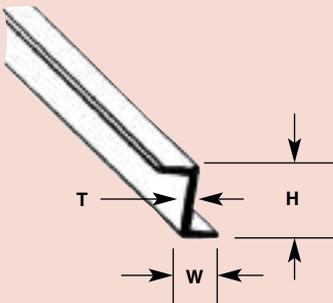
CODE	ACTUAL SIZE							
	'H'		'W'		'T'		LENGTH	
A-1	3/64"	1.2mm	3/64"	1.2mm	.015	0.4mm	10"	250mm
A-2	1/16"	1.6mm	1/16"	1.6mm	.020	0.5mm	10"	250mm
A-3	3/32"	2.4mm	3/32"	2.4mm	.025	0.6mm	15"	375mm
A-4	1/8"	3.2mm	1/8"	3.2mm	.030	0.8mm	15"	375mm
A-6	3/16"	4.8mm	3/16"	4.8mm	.065	1.7mm	24"	600mm
A-8	1/4"	6.4mm	1/4"	6.4mm	.065	1.7mm	24"	600mm
A-10	5/16"	7.9mm	5/16"	7.9mm	.065	1.7mm	24"	600mm
A-12	3/8"	9.5mm	3/8"	9.5mm	.065	1.7mm	24"	600mm

FINELINE STYRENE ANGLES

Use for bracing in the construction of heavy steel structures, and vertical support legs in light structures. Precision Extruded in White Styrene Plastic. Ideal for museum quality and smaller scale model construction where assembly speed, profile accuracy and cost are the determining factors.



CODE	ACTUAL SIZE							
	'H'		'W'		'T'		LENGTH	
AFS-1	3/64"	1.2mm	3/64"	1.2mm	.015	0.4mm	10"	250mm
AFS-2	1/16"	1.6mm	1/16"	1.6mm	.020	0.5mm	10"	250mm
AFS-3	3/32"	2.4mm	3/32"	2.4mm	.025	0.6mm	15"	375mm
AFS-4	1/8"	3.2mm	1/8"	3.2mm	.030	0.8mm	15"	375mm
AFS-6	3/16"	4.8mm	3/16"	4.8mm	.030	0.8mm	24"	600mm
AFS-8	1/4"	6.4mm	1/4"	6.4mm	.035	0.9mm	24"	600mm
AFS-10	5/16"	7.9mm	5/16"	7.9mm	.035	0.9mm	24"	600mm
AFS-12	3/8"	9.5mm	3/8"	9.5mm	.045	1.1mm	24"	600mm



FINELINE STYRENE ZEE BAR

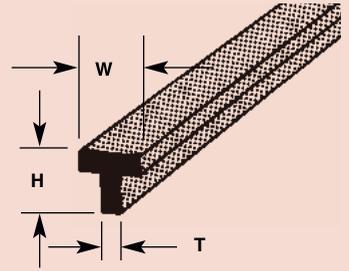
Use for bracing or brackets in the construction of most steel structures. Precision Extruded in White Styrene Plastic. Ideal for museum quality and smaller scale model construction where assembly speed, profile accuracy and cost are the determining factors.

CODE	ACTUAL SIZE							
	'H'		'W'		'T'		LENGTH	
ZFS-2	1/16"	1.6mm	.039	1.0mm	.015	0.4mm	10"	250mm
ZFS-3	3/32"	2.4mm	.057	1.4mm	.020	0.5mm	10"	250mm
ZFS-4	1/8"	3.2mm	.077	2.0mm	.030	0.8mm	15"	375mm
ZFS-6	3/16"	4.8mm	.108	2.7mm	.030	0.8mm	15"	375mm
ZFS-8	1/4"	6.4mm	.145	3.7mm	.040	1.0mm	24"	600mm

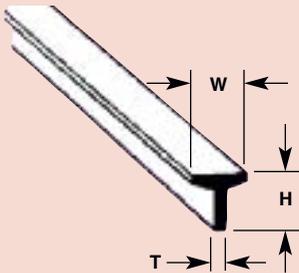
STRUCTURAL SHAPES

TRADITIONAL ABS TEES

Use for bracing in the construction of most steel structures. Precision Injection Molded in Dark Gray ABS Plastic. Ideal for all outdoor or professional model construction where model life is critical. High impact characteristics provide durability, flexibility and longevity of the model.



CODE	ACTUAL SIZE						LENGTH	
	'H'		'W'		'T'			
T-1	3/64"	1.2mm	3/64"	1.2mm	.015	0.4mm	10"	250mm
T-2	1/16"	1.6mm	1/16"	1.6mm	.020	0.5mm	10"	250mm
T-3	3/32"	2.4mm	3/32"	2.4mm	.030	0.8mm	15"	375mm
T-4	1/8"	3.2mm	1/8"	3.2mm	.040	1.0mm	15"	375mm
T-6	3/16"	4.8mm	3/16"	4.8mm	.060	1.5mm	24"	600mm
T-8	1/4"	6.4mm	1/4"	6.4mm	.060	1.5mm	24"	600mm



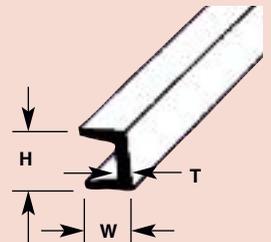
FINELINE STYRENE TEES

Use for bracing in the construction of most steel structures. Precision Extruded in White Styrene Plastic. Ideal for museum quality and smaller scale model construction where assembly speed, profile accuracy and cost are the determining factors.

CODE	ACTUAL SIZE						LENGTH	
	'H'		'W'		'T'			
TFS-1	3/64"	1.2mm	3/64"	1.2mm	.015	0.4mm	10"	250mm
TFS-2	1/16"	1.6mm	1/16"	1.6mm	.020	0.5mm	10"	250mm
TFS-3	3/32"	2.4mm	3/32"	2.4mm	.030	0.8mm	15"	375mm
TFS-4	1/8"	3.2mm	1/8"	3.2mm	.040	1.0mm	15"	375mm
TFS-6	3/16"	4.8mm	3/16"	4.8mm	.030	0.8mm	24"	600mm
TFS-8	1/4"	6.4mm	1/4"	6.4mm	.035	0.9mm	24"	600mm

FINELINE STYRENE DEEP CHANNELS

Use for bracing or medium weight horizontal and vertical support members in the construction of most steel structures. Precision Extruded in White Styrene Plastic. Ideal for museum quality and smaller scale model construction where assembly speed, profile accuracy and cost are the determining factors.



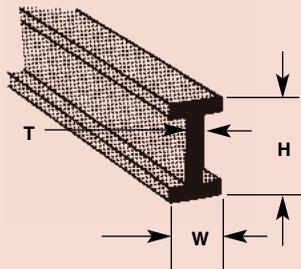
CODE	ACTUAL SIZE						LENGTH	
	'H'		'W'		'T'			
UFS-2	1/16"	1.6mm	.043	1.1mm	.015	0.4mm	10"	250mm
UFS-3	3/32"	2.4mm	.065	1.7mm	.025	0.6mm	10"	250mm
UFS-4	1/8"	3.2mm	.089	2.3mm	.030	0.8mm	15"	375mm
UFS-6	3/16"	4.8mm	.135	3.4mm	.030	0.8mm	15"	375mm
UFS-8	1/4"	6.4mm	.180	4.6mm	.040	1.0mm	24"	600mm

TIP:

For fast, clean, accurate cutting of Styrene Shapes, Tubing, Strip and Rod, simply scribe with a hobby knife and snap. When cutting Sheet Styrene, make all scribes first and then bend downward one side at a time until it snaps clean.

STRUCTURAL SHAPES

TRADITIONAL ABS I-BEAMS



Use for horizontal or diagonal members in the construction of most steel structures. Precision Injection Molded in Dark Gray ABS Plastic. Ideal for all outdoor or professional model construction where model life is critical. High impact characteristics provide durability, flexibility and longevity of the model.

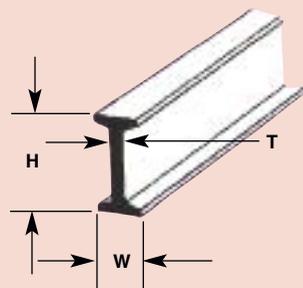
CODE	ACTUAL SIZE						LENGTH	
	'H'		'W'		'T'			
B-2	1/16"	1.6mm	1/32"	0.8mm	.015	0.4mm	10"	250mm
B-3	3/32"	2.4mm	3/64"	1.2mm	.020	0.5mm	10"	250mm
B-4	1/8"	3.2mm	1/16"	1.6mm	.025	0.6mm	15"	375mm
B-6	3/16"	4.8mm	3/32"	2.4mm	.050	1.3mm	24"	600mm
B-8	1/4"	6.4mm	1/8"	3.2mm	.050	1.3mm	24"	600mm
B-10	5/16"	7.9mm	5/32"	4.0mm	.060	1.5mm	24"	600mm
B-12	3/8"	9.5mm	3/16"	4.8mm	.060	1.5mm	15"	375mm
B-14	7/16"	11.1mm	7/32"	5.6mm	.060	1.5mm	15"	375mm
B-16	1/2"	12.7mm	1/4"	6.4mm	.080	2.0mm	15"	375mm
B-18	9/16"	14.3mm	1/4"	6.4mm	.080	2.0mm	15"	375mm
B-20	5/8"	15.9mm	1/4"	6.4mm	.080	2.0mm	15"	375mm
B-24	3/4"	19.1mm	5/16"	7.9mm	.080	2.0mm	15"	375mm
B-28	7/8"	22.2mm	3/8"	9.5mm	.085	2.2mm	15"	375mm
B-32	1"	25.4mm	3/8"	9.5mm	.085	2.2mm	15"	375mm
B-36	1-1/8"	28.6mm	1/2"	12.7mm	.090	2.3mm	15"	375mm

NOTE:

- These Products are also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code. Example: B-18L

FINELINE STYRENE I-BEAMS

Use for horizontal or diagonal members in the construction of most steel structures. Precision Extruded in White Styrene Plastic. Ideal for museum quality and smaller scale model construction where assembly speed, profile accuracy and cost are the determining factors.



CODE	ACTUAL SIZE						LENGTH	
	'H'		'W'		'T'			
BFS-2	1/16"	1.6mm	1/32"	0.8mm	.015	0.4mm	10"	250mm
BFS-3	3/32"	2.4mm	3/64"	1.2mm	.020	0.5mm	10"	250mm
BFS-4	1/8"	3.2mm	1/16"	1.6mm	.025	0.6mm	15"	375mm
BFS-5	5/32"	4.0mm	5/64"	2.0mm	.030	0.8mm	15"	375mm
BFS-6	3/16"	4.8mm	3/32"	2.4mm	.035	0.9mm	24"	600mm
BFS-8	1/4"	6.4mm	1/8"	3.2mm	.035	0.9mm	24"	600mm
BFS-10	5/16"	7.9mm	5/32"	4.0mm	.045	1.1mm	24"	600mm
BFS-12	3/8"	9.5mm	3/16"	4.8mm	.045	1.1mm	15"	375mm
BFS-14	7/16"	11.1mm	7/32"	5.6mm	.055	1.4mm	15"	375mm
BFS-16	1/2"	12.7mm	1/4"	6.4mm	.060	1.5mm	15"	375mm
BFS-18	9/16"	14.3mm	9/32"	7.1mm	.060	1.5mm	15"	375mm
BFS-20	5/8"	15.9mm	5/16"	7.9mm	.060	1.5mm	15"	375mm

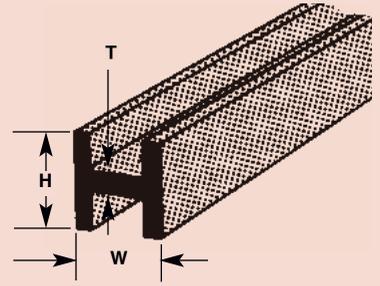
TIP:

For professional quality painting of structures, it is recommended that, when possible, construction of the main components be completed and painted assembled. Paint sub-assemblies and other detail parts before attaching to the main structure. Use solvent cement sparingly during final assembly so paint will not run.

STRUCTURAL SHAPES

TRADITIONAL ABS H-COLUMNS

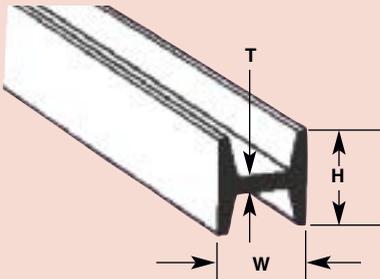
Use for vertical or diagonal members in the construction of most steel structures. Precision Injection Molded in Dark Gray ABS Plastic. Ideal for all outdoor or professional model construction where model life is critical. High impact characteristics provide durability, flexibility and longevity of the model.



CODE	ACTUAL SIZE							
	'H'		'W'		'T'		LENGTH	
H-2	1/16"	1.6mm	1/16"	1.6mm	.020	0.5mm	10"	250mm
H-3	3/32"	2.4mm	3/32"	2.4mm	.025	0.6mm	15"	375mm
H-4	1/8"	3.2mm	1/8"	3.2mm	.035	0.9mm	15"	375mm
H-6	3/16"	4.8mm	3/16"	4.8mm	.055	1.4mm	24"	600mm
H-8	1/4"	6.4mm	1/4"	6.4mm	.060	1.5mm	15"	375mm
H-10	5/16"	7.9mm	5/16"	7.9mm	.065	1.7mm	15"	375mm
H-12	3/8"	9.5mm	3/8"	9.5mm	.070	1.8mm	15"	375mm
H-14	7/16"	11.1mm	7/16"	11.1mm	.075	1.9mm	15"	375mm
H-16	1/2"	12.7mm	1/2"	12.7mm	.085	2.2mm	15"	375mm
H-18	9/16"	14.3mm	9/16"	14.3mm	.085	2.2mm	15"	375mm
H-20	5/8"	15.9mm	5/8"	15.9mm	.085	2.2mm	15"	375mm
H-24	3/4"	19.1mm	3/4"	19.1mm	.090	2.3mm	15"	375mm

NOTE:

- These Products are also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code. Example: H-12L



FINELINE STYRENE H-COLUMNS

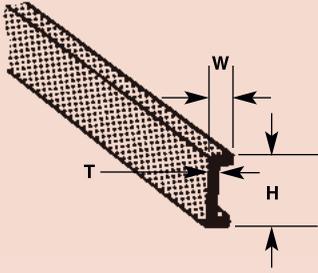
Use for vertical or horizontal members in the construction of most steel structures. Precision Extruded in White Styrene Plastic. Ideal for museum quality and smaller scale model construction where assembly speed, profile accuracy and cost are the determining factors.

CODE	ACTUAL SIZE							
	'H'		'W'		'T'		LENGTH	
HFS-2	1/16"	1.6mm	1/16"	1.6mm	.020	0.5mm	10"	250mm
HFS-3	3/32"	2.4mm	3/32"	2.4mm	.025	0.6mm	15"	375mm
HFS-4	1/8"	3.2mm	1/8"	3.2mm	.035	0.9mm	15"	375mm
HFS-5	5/32"	4.0mm	5/32"	4.0mm	.030	0.8mm	15"	375mm
HFS-6	3/16"	4.8mm	3/16"	4.8mm	.035	0.9mm	24"	600mm
HFS-8	1/4"	6.4mm	1/4"	6.4mm	.040	1.0mm	15"	375mm
HFS-10	5/16"	7.9mm	5/16"	7.9mm	.045	1.1mm	15"	375mm
HFS-12	3/8"	9.5mm	3/8"	9.5mm	.055	1.4mm	15"	375mm



Photo courtesy of Paul Gesso, Denver, CO

TRADITIONAL ABS CHANNELS



Use for bracing or lightweight vertical support members in the construction of most steel structures. Precision Injection Molded in Dark Gray ABS Plastic. Ideal for all outdoor or professional model construction where model life is critical. High impact characteristics provide durability, flexibility and longevity of the model.

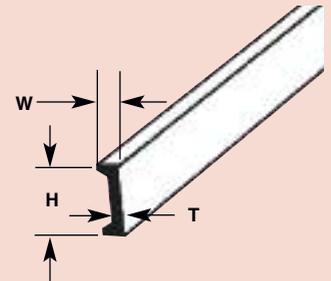
CODE	ACTUAL SIZE						LENGTH	
	'H'		'W'		'T'			
C-2	1/16"	1.6mm	.035	0.9mm	.015	0.4mm	10"	250mm
C-3	3/32"	2.4mm	.040	1.0mm	.020	0.5mm	10"	250mm
C-4	1/8"	3.2mm	.050	1.3mm	.025	0.6mm	15"	375mm
C-6	3/16"	4.8mm	1/16"	1.6mm	.040	1.0mm	15"	375mm
C-8	1/4"	6.4mm	5/64"	2.0mm	.050	1.3mm	24"	600mm
C-10	5/16"	7.9mm	3/32"	2.4mm	.050	1.3mm	24"	600mm
C-12	3/8"	9.5mm	3/32"	2.4mm	.055	1.4mm	15"	• 375mm
C-14	7/16"	11.1mm	1/8"	3.2mm	.060	1.5mm	15"	• 375mm
C-16	1/2"	12.7mm	1/8"	3.2mm	.065	1.7mm	15"	• 375mm
C-18	9/16"	14.3mm	1/8"	3.2mm	.065	1.7mm	15"	• 375mm
C-20	5/8"	15.9mm	3/16"	4.8mm	.075	1.9mm	15"	• 375mm
C-24	3/4"	19.0mm	3/16"	4.8mm	.075	1.9mm	15"	• 375mm

NOTE:

- These Products are also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code. Example: C-16L

FINELINE STYRENE CHANNELS

Use for bracing or lightweight vertical support members in the construction of most steel structures. Precision Extruded in White Styrene Plastic. Ideal for museum quality and smaller scale model construction where assembly speed, profile accuracy and cost are the determining factors.



CODE	ACTUAL SIZE						LENGTH	
	'H'		'W'		'T'			
CFS-2	1/16"	1.6mm	.035	0.9mm	.015	0.4mm	10"	250mm
CFS-3	3/32"	2.4mm	.040	1.0mm	.020	0.5mm	10"	250mm
CFS-4	1/8"	3.2mm	.050	1.3mm	.025	0.6mm	15"	375mm
CFS-5	5/32"	4.0mm	.055	1.4mm	.030	0.8mm	15"	375mm
CFS-6	3/16"	4.8mm	1/16"	1.6mm	.035	0.9mm	15"	375mm
CFS-8	1/4"	6.4mm	5/64"	2.0mm	.035	0.9mm	24"	600mm
CFS-10	5/16"	7.9mm	3/32"	2.4mm	.045	1.1mm	24"	600mm



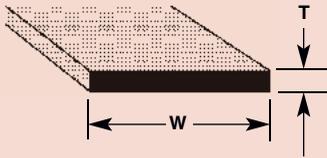
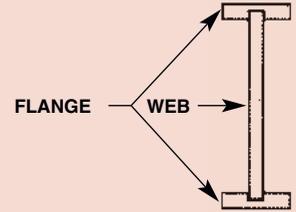
Photo courtesy of Alan Graziano, South Plainfield, NJ

STRUCTURAL SHAPES

ABS LARGE STRUCTURAL ASSEMBLIES

A quick and simple method for assembly of **LARGE** structural I-Beams and H-Columns using the components below. Flange includes a 1/8" (3.2mm) wide by 1/16" (1.6mm) deep slot providing a snug fit for the Web. For best results, assemble parts dry before applying cement. Using a sloping V-block jig will help ensure 90° angles and allow rapid and complete solvent bonding by capillary action.

When determining the correct components, be sure to subtract 1/8" (3.2mm) from the required Web dimension. Example: 3/4" (19.1mm) W x 2" (50.8mm) H Finished Size = two SAF-24 plus one SAW-60.



ABS STRUCTURAL WEBS

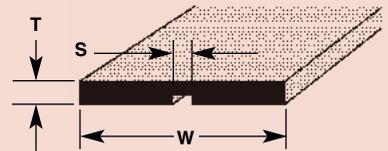
Use for custom fabrication of structural I-Beams and H-Columns. Precision Extruded in Dark Gray ABS Plastic. Ideal for all large scale and outdoor model construction where strength and size is critical. High impact characteristics provide durability, flexibility and longevity of the model.

CODE	ACTUAL SIZE			
	'W'		'T'	
SAW-24L	3/4"	19.1mm	1/8"	3.2mm
SAW-28L	7/8"	22.2mm	1/8"	3.2mm
SAW-32L	1"	25.4mm	1/8"	3.2mm
SAW-36L	1-1/8"	28.6mm	1/8"	3.2mm
SAW-40L	1-1/4"	31.8mm	1/8"	3.2mm
SAW-44L	1-3/8"	34.9mm	1/8"	3.2mm
SAW-48L	1-1/2"	38.1mm	1/8"	3.2mm
SAW-52L	1-5/8"	41.3mm	1/8"	3.2mm
SAW-56L	1-3/4"	44.4mm	1/8"	3.2mm
SAW-60L	1-7/8"	47.6mm	1/8"	3.2mm
SAW-64L	2"	50.8mm	1/8"	3.2mm

NOTE: 30" (750mm) Length.

ABS STRUCTURAL FLANGES

Use for custom fabrication of structural I-Beams and H-Columns. Precision Injection Molded in Dark Gray ABS Plastic. Ideal for all large scale and outdoor model construction where strength and size is critical. High impact characteristics provide durability, flexibility and longevity of the model. Slot is 1/16" (1.6mm) deep.

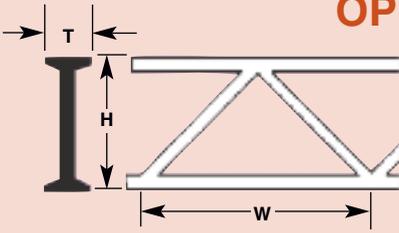


CODE	ACTUAL SIZE					
	'W'		'T'		'S'	
SAF-12L	3/8"	9.5mm	1/8"	3.2mm	1/8"	3.2mm
SAF-14L	7/16"	11.1mm	1/8"	3.2mm	1/8"	3.2mm
SAF-16L	1/2"	12.7mm	1/8"	3.2mm	1/8"	3.2mm
SAF-18L	9/16"	14.3mm	1/8"	3.2mm	1/8"	3.2mm
SAF-20L	5/8"	15.9mm	1/8"	3.2mm	1/8"	3.2mm
SAF-22L	11/16"	17.5mm	1/8"	3.2mm	1/8"	3.2mm
SAF-24L	3/4"	19.1mm	1/8"	3.2mm	1/8"	3.2mm
SAF-28L	7/8"	22.2mm	1/8"	3.2mm	1/8"	3.2mm
SAF-30L	15/16"	23.8mm	1/8"	3.2mm	1/8"	3.2mm
SAF-32L	1"	25.4mm	1/8"	3.2mm	1/8"	3.2mm
SAF-36L	1-1/8"	28.6mm	1/8"	3.2mm	1/8"	3.2mm
SAF-40L	1-1/4"	31.8mm	1/8"	3.2mm	1/8"	3.2mm

NOTE: 30" (750mm) Length.

STRUCTURAL SHAPES

OPEN WEB TRUSS - WARREN STYLE 2



Use for roof trusses, bridges, conveyors, space frames and other steel structures. Precision Injection Molded in Dark Gray ABS Plastic. Ideal for all outdoor or professional model construction where model life is critical. High impact characteristics provide durability, flexibility and longevity of the model.

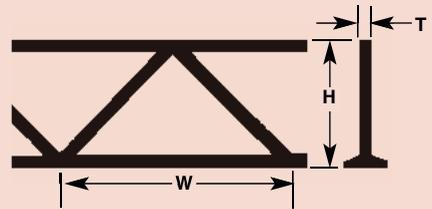
CODE	ACTUAL SIZE							
	'H'		'W'		'T'		LENGTH	
OWTA-4	1/8"	3.2mm	3/16"	4.8mm	1/16"	1.6mm	6"	150mm
OWTA-6	3/16"	4.8mm	1/4"	6.4mm	3/32"	2.4mm	6"	150mm
OWTA-8	1/4"	6.4mm	3/8"	9.5mm	1/8"	3.2mm	6"	150mm
OWTA-12	3/8"	9.5mm	5/8"	15.9mm	11/64"	4.4mm	6"	150mm
OWTA-16	1/2"	12.7mm	27/32"	21.4mm	3/16"	4.8mm	12"	300mm
OWTA-20	5/8"	15.9mm	1-3/32"	27.8mm	1/4"	6.4mm	12"	300mm
OWTA-24	3/4"	19.1mm	1-21/64"	33.7mm	1/4"	6.4mm	12"	300mm
OWTA-32	1"	25.4mm	1-27/32"	46.8mm	5/16"	7.9mm	12"	300mm

Same as above, except Precision Injection Molded in White Styrene Plastic. Ideal when assembly speed and cost are the determining factor.

CODE	ACTUAL SIZE							
	'H'		'W'		'T'		LENGTH	
OWTS-4	1/8"	3.2mm	3/16"	4.8mm	1/16"	1.6mm	6"	150mm
OWTS-6	3/16"	4.8mm	1/4"	6.4mm	3/32"	2.4mm	6"	150mm
OWTS-8	1/4"	6.4mm	3/8"	9.5mm	1/8"	3.2mm	6"	150mm
OWTS-12	3/8"	9.5mm	5/8"	15.9mm	11/64"	4.4mm	6"	150mm
OWTS-16	1/2"	12.7mm	27/32"	21.4mm	3/16"	4.8mm	12"	300mm
OWTS-20	5/8"	15.9mm	1-3/32"	27.8mm	1/4"	6.4mm	12"	300mm
OWTS-24	3/4"	19.1mm	1-21/64"	33.7mm	1/4"	6.4mm	12"	300mm
OWTS-32	1"	25.4mm	1-27/32"	46.8mm	5/16"	7.9mm	12"	300mm

OPEN WEB TRUSS - WARREN STYLE 1

Excellent for towers and booms. Also good for roof trusses, bridges, conveyors, and space frames. Precision Injection Molded in Dark Gray ABS Plastic. Ideal for all outdoor or professional model construction where model life is critical. High impact characteristics provide durability, flexibility and longevity of the model.



CODE	ACTUAL SIZE							
	'H'		'W'		'T'		LENGTH	
OTS-4	1/8"	3.2mm	3/16"	4.8mm	.015	0.4mm	3-1/4"	80mm
OTS-6	13/64"	5.2mm	11/32"	8.7mm	3/32"	2.4mm	3-1/2"	90mm
OTS-8	9/32"	7.1mm	31/64"	12.3mm	7/64"	2.8mm	5"	125mm
OTS-12	13/32"	10.3mm	11/16"	17.5mm	9/64"	3.6mm	7"	175mm
OTS-16	1/2"	12.7mm	29/32"	23.0mm	11/64"	4.4mm	9"	225mm
OTS-20	5/8"	15.9mm	1-3/32"	27.8mm	11/64"	4.4mm	11"	275mm
OTS-24	3/4"	19.1mm	1-23/64"	34.5mm	11/64"	4.4mm	11"	275mm
OTS-32	1"	25.4mm	1-13/16"	46.0mm	3/16"	4.8mm	11"	275mm

TIP:

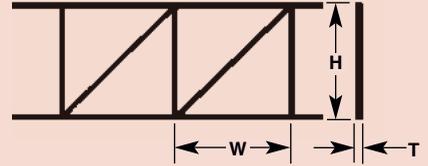


Tee flange on one edge only allows easy registered assembly for triangular and square sections as pictured at left. Protruding side of flange may be removed if desired.

STRUCTURAL SHAPES

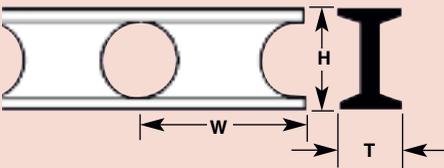
OPEN WEB TRUSS - PRATT STYLE

Use for roof trusses, bridges, conveyors, space frames and other steel structures. Precision Injection Molded in Silver Styrene Plastic. Manufactured with detail on one side only. If structure will be visible from both sides, it may be desirable to cement two pieces back-to-back for realism.



CODE	ACTUAL SIZE							
	'H'		'W'		'T'		LENGTH	
OWT-101	1/4"	6.4mm	3/16"	4.8mm	.027	0.7mm	4"	100mm
OWT-102	5/16"	7.9mm	1/4"	6.4mm	.040	1.0mm	4"	100mm
OWT-103	7/16"	11.1mm	3/8"	9.5mm	.045	1.1mm	7"	175mm
OWT-104	43/64"	17.1mm	9/16"	14.3mm	.050	1.3mm	7"	175mm
OWT-105	27/32"	21.4mm	3/4"	19.1mm	.050	1.3mm	8"	200mm
OWT-106	1-1/4"	31.8mm	1-1/8"	28.6mm	.065	1.7mm	7"	175mm
OWT-107	1-5/8"	41.3mm	1-5/8"	41.3mm	.065	1.7mm	8"	200mm

OPEN WEB TRUSS - CELLFORM STYLE



Use for roof trusses, space frames and other modern and/or futuristic steel structures. Precision Injection Molded in Styrene Plastic. Manufactured with a special tongue and groove connection feature to quickly and accurately attain the desired length.

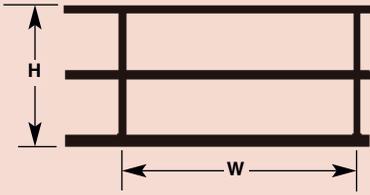
CODE	ACTUAL SIZE							
	'H'		'W'		'T'		LENGTH	
OWT-201	1/8"	3.2mm	5/32"	4.0mm	1/16"	1.6mm	4-1/16"	100mm
OWT-202	7/32"	5.6mm	1/4"	6.4mm	3/32"	2.4mm	4-1/16"	100mm
OWT-203	5/16"	7.9mm	13/32"	10.3mm	7/64"	2.8mm	4-1/16"	100mm
OWT-204	13/32"	10.3mm	9/16"	14.3mm	1/8"	3.2mm	4-3/8"	110mm



Photo courtesy of John Wilkes, Winterhaven, FL ; photo by Bill Schaumburg, Railroad Model Craftsman

STRUCTURAL SHAPES

HAND RAILS

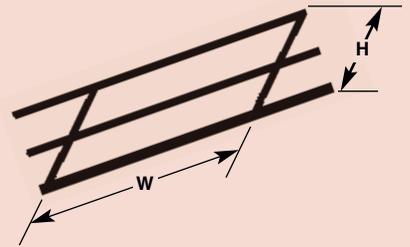


Use for hand rails on platforms, walkways, balconies and any other elevated structures with public access. Precision Injection Molded in Gray ABS or White Styrene Plastic (as noted). Ideal for all outdoor or professional model construction where model life is critical. High impact characteristics provide durability, flexibility and longevity of the model.

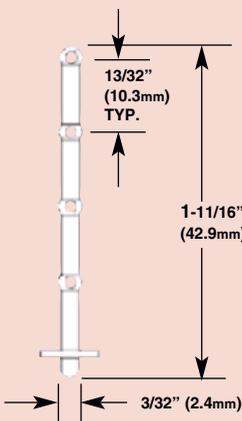
CODE	SCALE	ACTUAL SIZE				MATERIAL	
		'H'		'W'			LENGTH
HR-2	N 1:200	17/64"	6.7mm	7/16"	11.1mm	3-5/8" 90mm	ABS
HR-4	HO 1:100	7/16"	11.1mm	3/4"	19.1mm	6" 150mm	ABS
HR-8	O 1:48	29/32"	23.0mm	1-1/2"	38.1mm	24" 600mm	ABS
HR-12	1:32	1-11/32"	34.1mm	2-1/4"	57.2mm	24" 600mm	ABS
HR-16	G 1:24	1-3/4"	44.5mm	3"	76.2mm	24" 600mm	ABS
HR-24	1:16	2-43/64"	67.9mm	4-1/2"	114.3mm	24" 600mm	ABS
HRS-2	N 1:200	17/64"	6.7mm	7/16"	11.1mm	3-5/8" 90mm	Styrene
HRS-4	HO 1:100	7/16"	11.1mm	3/4"	19.1mm	6" 150mm	Styrene
HRS-8	O 1:48	29/32"	23.0mm	1-1/2"	38.1mm	24" 600mm	Styrene
HRS-12	1:32	1-11/32"	34.1mm	2-1/4"	57.2mm	24" 600mm	Styrene
HRS-16	G 1:24	1-3/4"	44.5mm	3"	76.2mm	24" 600mm	Styrene

STAIR RAILS

Use for hand rails on stairways. Precision Injection Molded in Gray ABS or White Styrene Plastic (as noted). Ideal for all outdoor or professional model construction where model life is critical. High impact characteristics provide durability, flexibility and longevity of the model.



CODE	SCALE	ACTUAL SIZE				MATERIAL	
		'H'		'W'			LENGTH
SR-2	N 1:200	1/4"	6.4mm	7/16"	11.1mm	3-5/8" 90mm	ABS
SR-4	HO 1:100	27/64"	10.7mm	3/4"	19.1mm	6" 150mm	ABS
SR-8	O 1:48	7/8"	22.2mm	1-1/2"	38.1mm	24" 600mm	ABS
SR-12	1:32	1-5/16"	33.3mm	2-1/4"	57.2mm	24" 600mm	ABS
SR-16	G 1:24	1-3/4"	44.5mm	3"	76.2mm	24" 600mm	ABS
SR-24	1:16	2-21/32"	67.5mm	4-1/2"	114.3mm	24" 600mm	ABS
SRS-2	N 1:200	1/4"	6.4mm	7/16"	11.1mm	3-5/8" 90mm	Styrene
SRS-4	HO 1:100	27/64"	10.7mm	3/4"	19.1mm	6" 150mm	Styrene
SRS-8	O 1:48	7/8"	22.2mm	1-1/2"	38.1mm	24" 600mm	Styrene
SRS-12	1:32	1-5/16"	33.3mm	2-1/4"	57.2mm	24" 600mm	Styrene
SRS-16	G 1:24	1-3/4"	44.5mm	3"	76.2mm	24" 600mm	Styrene



1:16 HANDRAIL STANCHIONS

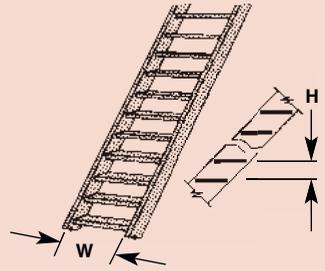
Independent hand rail stanchions for circular and non-standard or angled applications. Trimming one or two horizontal junctions allows use in other scales. Designed for use with our MIW-1 or TB-1. 3/32" (2.4mm) O.D. Precision Injection Molded in White ABS Plastic. Sold in bags of 10 pcs. ONLY.

CODE: HRS-24

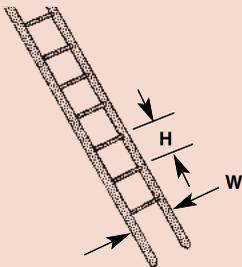
STRUCTURAL SHAPES

STAIRWAYS

Use for open stairways commonly found in industrial complexes, high-rise fire stairs, parking structures, tanks, platforms and other unfinished or open structures. Precision Injection Molded in Gray ABS or White Styrene Plastic (as noted). Ideal for all outdoor or professional model construction where model life is critical.



CODE	SCALE	ACTUAL SIZE						SCALE		MATERIAL
		'H'		'W'		LENGTH		WIDTH		
STA-2	N 1:200	3/32"	2.4mm	7/32"	5.6mm	3"	75mm	2'-6"	760mm	ABS
STA-4	HO 1:100	9/64"	3.6mm	25/64"	9.9mm	5"	125mm	2'-6"	760mm	ABS
STA-6	O 1:48	17/64"	6.7mm	3/4"	19.1mm	12"	300mm	2'-6"	760mm	ABS
STA-8	O 1:48	17/64"	6.7mm	7/8"	22.2mm	12"	300mm	3'-0"	910mm	ABS
STA-12	1:32	13/32"	10.3mm	1-1/8"	28.6mm	12"	300mm	2'-6"	760mm	ABS
STA-14	1:32	13/32"	10.3mm	1-5/16"	33.3mm	12"	300mm	3'-0"	910mm	ABS
STA-16	G 1:24	17/32"	13.5mm	1-7/16"	36.5mm	12"	300mm	2'-6"	760mm	ABS
STA-18	G 1:24	17/32"	13.5mm	1-11/16"	42.9mm	12"	300mm	3'-0"	910mm	ABS
STA-20	1:16	13/16"	20.6mm	2-3/32"	53.2mm	12"	300mm	2'-6"	760mm	ABS
STA-22	1:16	13/16"	20.6mm	2-15/32"	62.7mm	12"	300mm	3'-0"	910mm	ABS
STAS-2	N 1:200	3/32"	2.4mm	7/32"	5.6mm	3"	75mm	2'-6"	760mm	Styrene
STAS-4	HO 1:100	9/64"	3.6mm	25/64"	9.9mm	5"	125mm	2'-6"	760mm	Styrene
STAS-6	O 1:48	17/64"	6.7mm	3/4"	19.1mm	12"	300mm	2'-6"	760mm	Styrene
STAS-8	O 1:48	17/64"	6.7mm	7/8"	22.2mm	12"	300mm	3'-0"	910mm	Styrene
STAS-16	G 1:24	17/32"	13.5mm	1-7/16"	36.5mm	12"	300mm	2'-6"	760mm	Styrene
STAS-18	G 1:24	17/32"	13.5mm	1-11/16"	42.9mm	12"	300mm	3'-0"	910mm	Styrene



LADDERS

Use as straight ladders commonly found in numerous industrial, commercial, and residential applications. Note, in most industrial applications using a fixed ladder, a cage is also desirable. Precision Injection Molded in Gray ABS or White Styrene Plastic (as noted). Ideal for all outdoor or professional model construction where model life is critical.

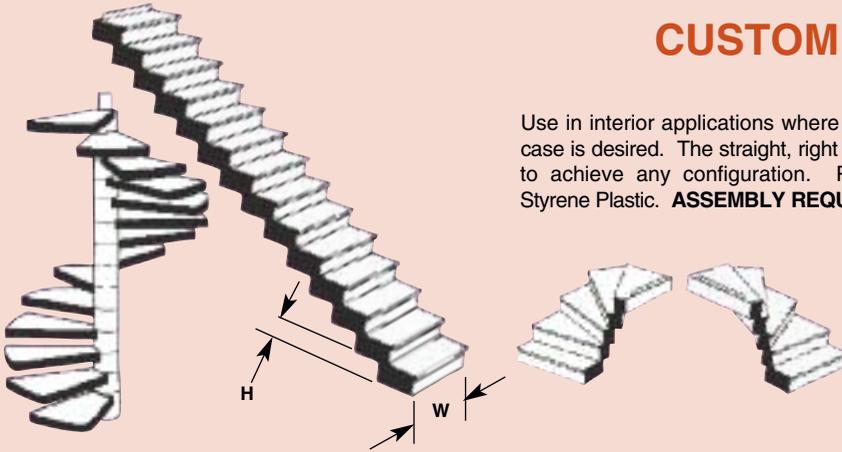
CODE	SCALE	ACTUAL SIZE						MATERIAL
		'H'		'W'		LENGTH		
KL-2	N 1:200	5/64"	2.0mm	5/32"	4.0mm	3"	75mm	ABS
KL-4	HO 1:100	1/8"	3.2mm	1/4"	6.4mm	5"	125mm	ABS
KL-8	O 1:48	1/4"	6.4mm	13/32"	10.3mm	15"	375mm	ABS
KL-12	1:32	3/8"	9.5mm	39/64"	15.5mm	15"	375mm	ABS
KL-16	G 1:24	1/2"	12.7mm	3/4"	19.1mm	15"	375mm	ABS
KL-24	1:16	3/4"	19.1mm	1-3/32"	27.8mm	15"	375mm	ABS
LS-2	N 1:200	5/64"	2.0mm	5/32"	4.0mm	3"	75mm	Styrene
LS-4	HO 1:100	1/8"	3.2mm	1/4"	6.4mm	5"	125mm	Styrene
LS-8	O 1:48	1/4"	6.4mm	13/32"	10.3mm	15"	375mm	Styrene
LS-12	1:32	3/8"	9.5mm	39/64"	15.5mm	15"	375mm	Styrene
LS-16	G 1:24	1/2"	12.7mm	3/4"	19.1mm	15"	375mm	Styrene
LS-24	1:16	3/4"	19.1mm	1-3/32"	27.8mm	15"	375mm	Styrene

TIP:

ABS hand rails and stair rails may be curved to fit circular applications by softening them in warm water or heating with a hair dryer. Stairs may be modified to fit the circumference of a tank or other curved surface by cutting off the stair stringer from the side to be cemented. Tape the stair in place. Attach each stair step separately.

STRUCTURAL SHAPES

CUSTOM STAIRCASES

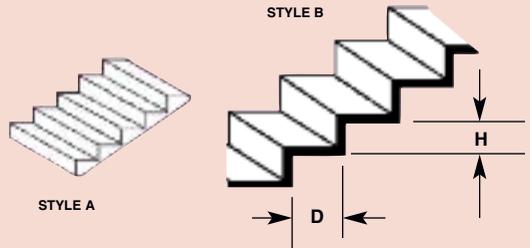


Use in interior applications where a closed casing or spiral stair case is desired. The straight, right and left sets may be combined to achieve any configuration. Precision Injection Molded in Styrene Plastic. **ASSEMBLY REQUIRED.**

CODE	SCALE	ACTUAL SIZE						STYLE
		'H'		'W'		LENGTH		
STAA-24	G 1:24	19/64"	7.5mm	1-9/16"	39.7mm	7-1/2"	190mm	Straight
STAA-48	O 1:48	9/64"	3.6mm	57/64"	22.6mm	3-3/4"	95mm	Straight
STAL-24	G 1:24	19/64"	7.5mm	1-9/16"	39.7mm	2-3/8"	60mm	Left Turn
STAL-48	O 1:48	9/64"	3.6mm	57/64"	22.6mm	1"	25mm	Left Turn
STAR-24	G 1:24	19/64"	7.5mm	1-9/16"	39.7mm	2-3/8"	60mm	Right Turn
STAR-48	O 1:48	9/64"	3.6mm	57/64"	22.6mm	1"	25mm	Right Turn
STAS-24	G 1:24	19/64"	7.5mm	1-35/64"	39.3mm	4-5/32"	100mm	Spiral
STAS-48	O 1:48	1/8"	3.2mm	63/64"	25.0mm	1-7/8"	50mm	Spiral
STAS-100	HO 1:100	5/32"	4.0mm	7/16"	11.1mm	2-5/16"	58mm	Spiral
STAS-102	HO 1:100	5/64"	2.0mm	13/32"	10.3mm	2-1/4"	57mm	Spiral
STAS-200	N 1:200	5/64"	2.0mm	7/32"	5.6mm	13/16"	20mm	Spiral
STAS-202	N 1:200	3/64"	1.2mm	7/32"	5.6mm	35/64"	14mm	Spiral

STEPS & LOUVRES

Use for steps found in front of commercial or civic buildings where wide or dramatic entrances are common. Two different grades (slopes), 17° and 34°, allow for variety and realism. May also be used for window louvres in larger scale applications. Precision Injection Molded or Vacuum Formed in White Styrene Plastic.



CODE	SCALE	ACTUAL SIZE						STEP GRADE	STYLE		
		'H'		'D'		LENGTH					
STEP-1	1:400	.020	0.5mm	.030	0.8mm	1"	25mm	2-1/2"	70mm	34°	A
STEP-101	1:400	.020	0.5mm	.050	1.3mm	2-1/16"	52mm	3-7/8"	100mm	17°	A
STEP-2	N 1:200	.040	1.0mm	.060	1.5mm	2-1/8"	54mm	3-7/8"	100mm	34°	A
STEP-201	N 1:200	.040	1.0mm	.130	3.3mm	2-1/8"	54mm	3-7/8"	100mm	17°	A
STEP-4	HO 1:100	1/16"	1.6mm	.100	2.5mm	2-1/8"	54mm	3-7/8"	100mm	34°	A
STEP-401	HO 1:100	1/16"	1.6mm	1/4"	6.4mm	2-1/8"	54mm	3-7/8"	100mm	17°	A
STEP-8	O 1:48	.100	2.5mm	.200	5.1mm	12"	300mm	7"	175mm	34°	B
STEP-801	O 1:48	1/8"	3.2mm	1/2"	12.7mm	2-1/8"	54mm	3-7/8"	100mm	17°	A
STEP-12	#1 1:32	.200	5.1mm	.350	8.9mm	12"	300mm	7"	175mm	34°	B

TIP:

To avoid gluing your model to your work surface, especially when working with a fast acting solvent cement like Bondene, we recommend you do all cementing on a sheet of polypropylene. Even better, purchase a few serving trays (cafeteria style) and cut the polypropylene sheet to snugly fit inside. This way, the sides will capture any spilled solvent cement before it spoils furniture, and you can use different trays for different in-progress projects.

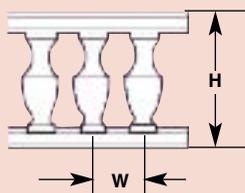
SAFETY CAGE AND LADDER SET

Use on towers, tanks, buildings and other tall structures where a ladder is perpendicular (or 90°) to the ground. Precision Injection Molded in Gray ABS or White Styrene. Ideal for all outdoor or professional model construction where model life is critical. High impact characteristics provide durability, flexibility and longevity of the model.



CODE	SCALE	ACTUAL SIZE				FITS	
		DIAMETER		LENGTH		LADDER	MATERIAL
CL-4	HO 1:100	27/64"	10.7mm	4-7/8"	125mm	KL-4	ABS
CL-8	O 1:48	23/32"	18.3mm	12"	300mm	KL-8	ABS
CL-12	1:32	1"	25.4mm	12"	300mm	KL-12	ABS
CL-16	G 1:24	1-19/64"	32.9mm	12"	300mm	KL-16	ABS
CLS-4	HO 1:100	27/64"	10.7mm	4-7/8"	125mm	LS-4	Styrene
CLS-8	O 1:48	23/32"	18.3mm	12"	300mm	LS-8	Styrene
CLS-12	1:32	1"	25.4mm	12"	300mm	LS-12	Styrene
CLS-16	G 1:24	1-19/64"	32.9mm	12"	300mm	LS-16	Styrene

BALCONY RAILINGS



Use for balcony railings or bannisters in residential, commercial or civic buildings where fancy handrailing is desired. Precision Injection Molded in Brown Styrene Plastic.

CODE	SCALE	ACTUAL SIZE				
		'H'		'W'		LENGTH
BALC-48	O 1:48	23/32"	18.3mm	9/32"	7.1mm	6-1/2" 165mm
BALC-100	HO 1:100	25/64"	9.9mm	9/64"	3.6mm	6-1/2" 165mm
BALC-200	N 1:200	7/32"	5.6mm	3/32"	2.4mm	6-1/2" 165mm

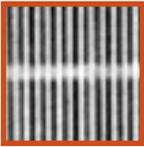
VICTORIAN RAILING TRIM

Use for Victorian Trim or fancy balcony railings. Precision Injection Molded in white Styrene Plastic.

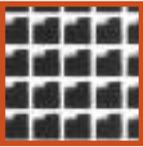


CODE	ACTUAL SIZE			
	HEIGHT		LENGTH	
TRIM-8	1/4"	6.3mm	3-1/2"	88.9mm

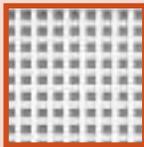
STRUCTURAL SHAPES



STYLE A



STYLE B



STYLE C



STYLE D



STYLE E



STYLE F

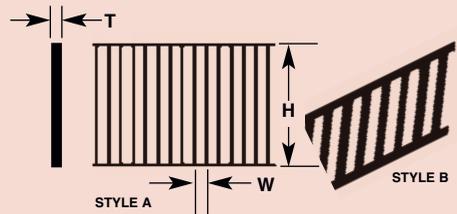
LATTICE/TRELLIS PANELS

Use for latticework or trelliswork screens or ornamental structures. LAT-70 has notches to permit modification using Styrene Strips. Precision Injection Molded in Styrene (10,30, 60, 70, 80 & 90) or Polyethylene Plastic (20, 40 & 50). Ideal for architectural or dollhouse miniature models.

CODE	ACTUAL SIZE								STYLE
	'H'		'W'		'T'		PATTERN		
LAT-10	2-1/8"	54.0mm	15/16"	23.8mm	1/32"	0.8mm	.039	1.0mm	A
LAT-20	4"	101.6mm	1-1/4"	31.8mm	1/16"	1.6mm	.040	1.0mm	B
LAT-30	2"	50.8mm	3-5/8"	92.0mm	3/32"	2.4mm	3/32"	2.4mm	C
LAT-40	4-1/8"	104.8mm	2"	50.8mm	3/32"	2.4mm	.040	1.0mm	D
LAT-50	3-15/16"	100.0mm	2-7/16"	61.9mm	5/64"	2.0mm	.075	1.9mm	B
LAT-60	1-7/8"	47.6mm	1-7/16"	36.5mm	3/32"	2.4mm	15/64"	6.0mm	B
LAT-80	2-1/2"	63.5mm	4-1/2"	114.3mm	3/16"	4.8mm	3/8"	9.5mm	E
LAT-90	2"	50.8mm	3-5/8"	92.0mm	3/32"	2.4mm	1/8"	3.2mm	F

RAILINGS/TRELLIS/FENCING

Use for hand rails, stair rails, roof trusses, grating and other steel structures. Precision Injection Molded in Styrene Plastic. May also be used for trellises, fencing, window bars, etc.



CODE	ACTUAL SIZE								STYLE
	'H'		'W'		'T'		LENGTH		
RR-2	1/4"	6.4mm	3/32"	2.4mm	.040	1.0mm	7"	175mm	A
RR-3	9/32"	7.1mm	3/32"	2.4mm	.030	0.8mm	6-5/8"	165mm	B
RR-4	13/32"	10.3mm	3/32"	2.4mm	.050	1.3mm	6-7/8"	175mm	A
RR-6	19/32"	15.1mm	3/32"	2.4mm	.055	1.4mm	6-7/8"	175mm	A
RR-7	5/8"	15.9mm	1/8"	3.2mm	.045	1.1mm	7"	175mm	B
RR-8	25/32"	19.8mm	1/8"	3.2mm	.055	1.4mm	7"	175mm	A
RR-10	1"	25.4mm	1/8"	3.2mm	.055	1.4mm	5"	127mm	A
RR-12	1-7/32"	31.0mm	3/16"	4.8mm	.055	1.4mm	6-1/2"	165mm	A
RR-16	1-39/64"	40.9mm	3/16"	4.8mm	.055	1.4mm	6-1/4"	160mm	A
RR-20	2-11/32"	59.5mm	1/4"	6.4mm	.085	2.2mm	5"	127mm	A

DECK RAILING WITH STAIRS

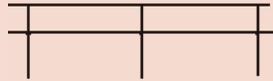


Use for decking hand rails with stairs included. For matching railing see code: RR-10.

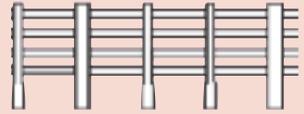
CODE	ACTUAL SIZE			
	RAIL HEIGHT		STAIR WIDTH	
SRST-8	1"	25.4mm	7/8"	22.2mm

STRUCTURAL SHAPES

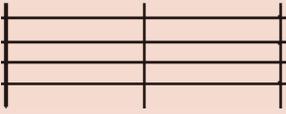
FENCES & RAILINGS



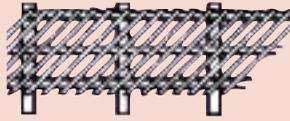
STYLE A



STYLE B



STYLE C



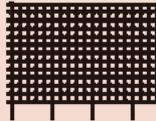
STYLE D



STYLE E



STYLE F



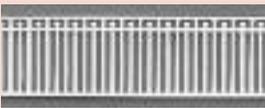
STYLE G



STYLE H



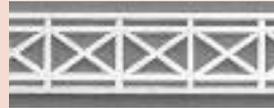
STYLE I



STYLE J



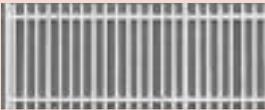
STYLE K



STYLE L



STYLE GATE



STYLE M

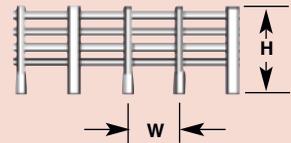


STYLE N



STYLE O

Use for fences commonly found in agricultural, residential, industrial, commercial and many other settings. Some styles may also be used for railings or trellises. Precision Injection Molded in White Styrene Plastic or acid etched in Brass (as noted). Ideal for all model construction.



For Custom Chain Link Fence, Code FEN-4, see page 107.

CODE	SCALE	ACTUAL SIZE				STYLE	MATERIAL		
		'H'		'W'				LENGTH	
FEN-12	N 1:200	1/4"	6.4mm	25/64"	9.9mm	9-1/2"	240mm	A Ranch Post	Brass
FEN-14	HO 1:100	11/32"	8.7mm	1/4"	6.4mm	20"	500mm	B Ranch Post	Styrene
FEN-15	HO 1:100	17/32"	13.5mm	9/16"	14.3mm	9-1/2"	240mm	C Ranch Post	Brass
FEN-18	O 1:48	1-11/64"	29.8mm	57/64"	22.6mm	30"	750mm	B Ranch Post	Styrene
FEN-24	HO 1:100	11/32"	8.7mm	11/32"	8.7mm	20"	500mm	D Diag. Picket	Styrene
FEN-28	O 1:48	45/64"	17.9mm	45/64"	17.9mm	30"	750mm	D Diag. Picket	Styrene
FEN-31	1:500	11/64"	4.4mm	1/4"	6.4mm	75"	1900mm	E Picket	Brass
FEN-32	N 1:200	15/64"	6.0mm	15/64"	6.0mm	52"	1300mm	E Picket	Brass
FEN-34	HO 1:100	23/64"	9.1mm	41/64"	16.3mm	20"	500mm	F Picket	Styrene
FEN-38	O 1:48	43/64"	17.1mm	1-1/4"	31.8mm	30"	750mm	F Picket	Styrene
FEN-42	N 1:200	1/2"	12.7mm	3/16"	4.8mm	26"	650mm	G Chain Link	Brass
FEN-44	HO 1:100	1"	25.4mm	1/8"	3.2mm	8" **	203mm	H Vert. Lattice	Styrene
FEN-48	O 1:48	1-3/4"	44.5mm	1/4"	6.4mm	8" **	203mm	H Vert. Lattice	Styrene
FEN-52	N 1:200	1/4"	6.4mm	1/16"	1.6mm	26"	650mm	I Picket	Styrene
FEN-54	HO 1:100	29/64"	11.5mm	3/32"	2.4mm	28"	700mm	I Picket	Styrene
FEN-58	O 1:48	59/64"	23.4mm	13/64"	5.2mm	28"	700mm	I Picket	Styrene
FEN-64	HO 1:100	5/16"	7.9mm	1/16"	1.6mm	20"	500mm	I Picket	Styrene
FEN-68	O 1:48	5/8"	15.9mm	3/32"	2.4mm	20"	500mm	I Picket	Styrene
FEN-74	HO 1:100	5/8"	15.9mm	1/16"	1.6mm	8" **	203mm	J Vert. Knob	Styrene
FEN-78	O 1:48	1-3/8"	34.9mm	1/8"	3.2mm	8" **	203mm	K Vert. Circle	Styrene
FEN-84	HO 1:100	1/2"	12.7mm	3/8"	9.5mm	8" **	203mm	L Cross Bar	Styrene
FEN-88	O 1:48	1-1/16"	27.0mm	1/8"	3.2mm	6-1/2"	165mm	M Low Bar	Styrene
FEN-94	HO 1:100	5/8"	15.9mm	1/16"	1.6mm	8" **	203mm	N Picket	Styrene
FEN-98	O 1:48	1-1/2"	38.1mm	1/8"	3.2mm	10"	254mm	M High Bar	Styrene
GATE-98	O 1:48	2"	50.8mm	1-3/4"	44.5mm	(one piece)		Gate High Bar	Styrene
FEN-108	O 1:48	1-1/4"	31.8mm	1/8"	3.2mm	8" **	203mm	N Picket	Styrene
FEN-118	O 1:48	1-3/8"	34.9mm	1/16"	1.6mm	8" **	203mm	O Square Trim	Styrene

** Two 4" Pieces

STRUCTURAL FITTINGS

LADDER CLIPS



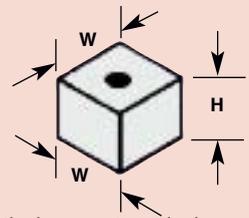
Use for securing Ladders against structures and other towers. Designed for adjustable clearance from the mounting surface by simply trimming the stem length. Use SX as mounting device or drill 1/16" hole (1.6mm) Precision Injection Molded in Clear Acrylic Plastic.

CODE	TO FIT	SX	STEM	
	LADDER	SIZE	O.D.	
LC-8	8	SX-2	1/16"	1.6mm
LC-12	12	SX-3	3/32"	2.4mm
LC-16	16	SX-3	3/32"	2.4mm
LC-24	24	SX-3	3/32"	2.4mm

ABS COLUMN BASE MOUNTS / COLUMN BLOCKS



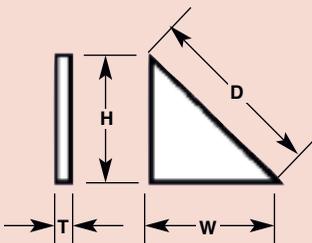
Use to quickly and effectively mount vertical columns (codes H-4 through H-24) to your model base. Precision Injection Molded in Dark Gray ABS Plastic.



Use to quickly and effectively mount vertical square tubing (codes ST-12 through ST-24) to your model base. Also used for concrete blocks, lamp bases, etc. Precision Injection Molded in Light Gray ABS Plastic.

CODE	TO FIT COLUMN
BM-4	4
BM-6	6
BM-8	8
BM-10	10
BM-12	12 & 14
BM-16	16 & 18
BM-20	20 & 24

CODE	ACTUAL SIZE				TO FIT
	'H'		'W'		TUBE
CB-12	3/8"	9.5mm	9/32"	7.1mm	12
CB-14	3/8"	9.5mm	5/16"	7.9mm	14
CB-16	3/8"	9.5mm	3/8"	9.5mm	16
CB-18	1/2"	12.7mm	7/16"	11.1mm	18
CB-20	1/2"	12.7mm	1/2"	12.7mm	20
CB-24	5/8"	15.9mm	5/8"	15.9mm	24



SUPPORT TRIANGLE GUSSETS

Use to quickly and effectively mount horizontal pieces off of vertical columns, tanks or other structures. Precision Injection Molded in Clear Acrylic Plastic.

CODE	ACTUAL SIZE					
	'H' & 'W'		'D'		'T'	
G-8	1/4"	6.4mm	11/32"	8.7mm	.050	1.3mm
G-12	3/8"	9.5mm	1/2"	12.7mm	1/16"	1.6mm
G-16	1/2"	12.7mm	11/16"	17.5mm	1/16"	1.6mm
G-20	5/8"	15.9mm	7/8"	22.2mm	3/32"	2.4mm
G-24	3/4"	19.1mm	1-1/32"	26.2mm	3/32"	2.4mm
G-28	7/8"	22.2mm	1-7/32"	31.0mm	1/8"	3.2mm
G-32	1"	25.4mm	1-13/32"	35.7mm	1/8"	3.2mm

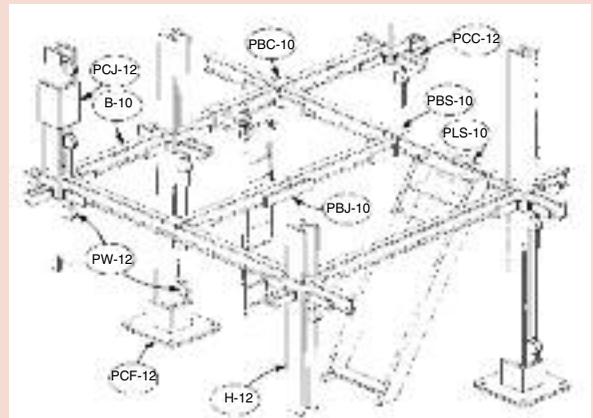
STRUCTURAL FITTINGS

CONSTRUCTION STUDY FITTINGS & KITS

The Construction Study System and Fittings allows designers to facilitate the structural arrangement and layout of equipment and structures in preliminary form and educators to demonstrate structure design and strength in three dimensions. This quick and easy to use, and re-use, system provides complete flexibility and is presented solely as a design tool - a method of thinking and expressing in three dimensions. All parts are precision Injection Molded in Dark Gray ABS Plastic.

The components are designed to work only with our H-12 and B-10 structural members. Available both in Kit form or by individual products. Kits include a selection of the below components as well as scale figures and other definitive scale parts to construct the diagram below.

CODE	SCALE
KIT-5029	1/4" = 1'-0" 1:48
KIT-5030	3/8" = 1'-0" 1:32
KIT-5031	1/2" = 1'-0" 1:24
KIT-5032	3/4" = 1'-0" 1:16



Column Footer
CODE: PCF-12

Provides a firm support for H-12. May be temporarily positioned with double stick tape. Use PW-12 for secure fit.



Column Cross
CODE: PCC-12

Provides a quick and easy way to attach B-10 cross members to H-12 columns. Use PW-12 for secure fit.



Column Splice
CODE: PCJ-12

Provides a quick and easy way to attach two H-12 columns together. Use PW-12 for secure fit.



Column Wedge
CODE: PW-12

Acts as a locking wedge for securing the Column Footer, Column Cross or Column Splice to the column.



Beam Cross
CODE: PBC-10

Snaps over primary B-10 members to allow easy installation of secondary B-10 members.



Beam Support
CODE: PBS-10

Snaps over primary B-10 members to allow easy installation of secondary B-10 members.



Beam Splice
CODE: PBJ-10

Provides a firm support for joining two B-10 members together.



Ladder Support
CODE: PLS-10

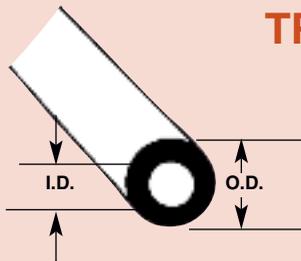
Provides a firm support for a ladder or stair by snapping over a B-10 member.



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TUBING & FITTINGS

TRADITIONAL BUTYRATE ROUND TUBING



Use for piping in industrial, residential, commercial and many other model settings. May also be used as round pylons in bridge, pier and other structures. Precision Extruded in White Butyrate Plastic. Ideal for all facets of model building. See related piping fittings later in this Catalog.

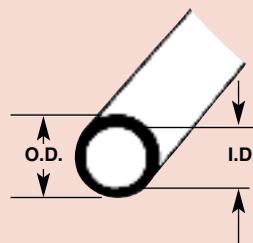
CODE	ACTUAL SIZE					
	O.D.		I.D.		WALL	
TB-1	3/64"	1.2mm	N/A	N/A	N/A	N/A
TB-2	1/16"	1.6mm	N/A	N/A	N/A	N/A
TB-3	3/32"	2.4mm	.050	1.3mm	.020	0.5mm
TB-4	1/8"	3.2mm	1/16"	1.6mm	1/32"	0.8mm
TB-6	3/16"	4.8mm	3/32"	2.4mm	3/64"	1.2mm
TB-8	1/4"	6.4mm	1/8"	3.2mm	1/16"	1.6mm
TB-10	5/16"	7.9mm	3/16"	4.8mm	1/16"	1.6mm
TB-12	3/8"	9.5mm	1/4"	6.4mm	1/16"	1.6mm
TB-14	7/16"	11.1mm	5/16"	7.9mm	1/16"	1.6mm
TB-16	1/2"	12.7mm	3/8"	9.5mm	1/16"	1.6mm
TB-18	9/16"	14.3mm	7/16"	11.1mm	1/16"	1.6mm
TB-20	5/8"	15.9mm	1/2"	12.7mm	1/16"	1.6mm
TB-24	3/4"	19.1mm	5/8"	15.9mm	1/16"	1.6mm
TB-28	7/8"	22.2mm	3/4"	19.1mm	1/16"	1.6mm
TB-32	1"	25.4mm	7/8"	22.2mm	1/16"	1.6mm
TB-36	1-1/8"	28.6mm	1"	25.4mm	1/16"	1.6mm
TB-40	1-1/4"	31.8mm	1-1/8"	28.6mm	1/16"	1.6mm

NOTES: 15" (375mm) Length.

All White Butyrate Tubing is also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code. Example: TB-12L
TB-1 and TB-2 are Butyrate coated wire.

FINELINE STYRENE ROUND TUBING

Use for piping in industrial complexes or for flatcar loads. May also be used as round pylons in bridge, pier and other structures. Precision Extruded in White Styrene Plastic. Ideal for museum quality and smaller scale model construction where assembly speed, profile accuracy and cost are the determining factor.
For smaller diameter rounds, see following pages.



CODE	ACTUAL SIZE					
	O.D.		I.D.		WALL	
TBFS-3	3/32"	2.4mm	.056	1.4mm	.018	0.5mm
TBFS-4	1/8"	3.2mm	.076	1.9mm	.025	0.6mm
TBFS-6	3/16"	4.8mm	.133	3.4mm	.027	0.7mm
TBFS-8	1/4"	6.4mm	.193	4.9mm	.028	0.7mm
TBFS-10	5/16"	7.9mm	1/4"	6.4mm	1/32"	0.8mm
TBFS-12	3/8"	9.5mm	21/64"	8.3mm	1/32"	0.8mm

NOTE: 15" (375mm) Length.



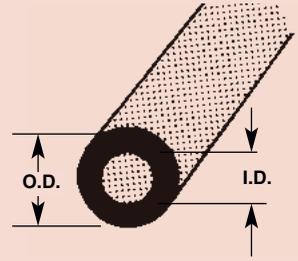
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VISA/MasterCard. (800) 666-7015 8:00 am-2:00 pm Pacific Time.

TUBING & FITTINGS

COLORED BUTYRATE ROUND TUBING

Use for crafts and educational model projects. Precision Extruded in a variety of high gloss colored Butyrate Plastics. TBL-1 & 2 may be easily bent to any angle. See related piping fittings later in this Catalog.



CODE	ACTUAL SIZE					
	O.D.		I.D.		WALL	
TBL-1	3/64"	1.2mm	N/A	N/A	N/A	N/A
TBL-2	1/16"	1.6mm	N/A	N/A	N/A	N/A
TBL-3	3/32"	2.4mm	.050	1.3mm	.020	0.5mm
TBL-4	1/8"	3.2mm	1/16"	1.6mm	1/32"	0.8mm
TBL-6	3/16"	4.8mm	3/32"	2.4mm	3/64"	1.2mm
TBL-8	1/4"	6.4mm	1/8"	3.2mm	1/16"	1.6mm
TBL-10	5/16"	7.9mm	3/16"	4.8mm	1/16"	1.6mm
TBL-12	3/8"	9.5mm	1/4"	6.4mm	1/16"	1.6mm
TBL-14	7/16"	11.1mm	5/16"	7.9mm	1/16"	1.6mm
TBL-16	1/2"	12.7mm	3/8"	9.5mm	1/16"	1.6mm
TBL-18	9/16"	14.3mm	7/16"	11.1mm	1/16"	1.6mm
TBL-20	5/8"	15.9mm	1/2"	12.7mm	1/16"	1.6mm
TBL-24	3/4"	19.1mm	5/8"	15.9mm	1/16"	1.6mm
TBL-28	7/8"	22.2mm	3/4"	19.1mm	1/16"	1.6mm
TBL-32	1"	25.4mm	7/8"	22.2mm	1/16"	1.6mm
TBL-36	1-1/8"	28.6mm	1"	25.4mm	1/16"	1.6mm
TBL-40	1-1/4"	31.8mm	1-1/8"	28.6mm	1/16"	1.6mm
• TBL-48	1-1/2"	38.1mm	1-21/64"	33.7mm	3/32"	2.4mm
• TBL-56	1-3/4"	44.5mm	1-37/64"	40.1mm	3/32"	2.4mm
• TBL-64	2"	50.8mm	1-53/64"	46.4mm	3/32"	2.4mm

NOTES: 30" (750mm) Length.

Colored Butyrate Tubing available in the following colors. To order, add the color abbreviation listed below to the end of the Product Code. Example: TBL-12Y

TBL-1 and TBL-2 are Butyrate coated wire.

“•” Available in white; add “W” to end of Product Code. NOT available in Black, Brown or Gray.

R - Red

Y - Yellow

B - Blue

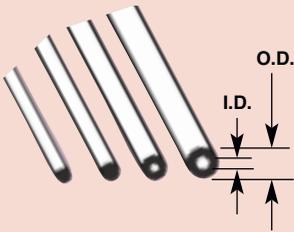
G - Green

O - Orange

BK - Black

BR - Brown

VG - Gray



ASSORTED COLORED TUBING & WIRE

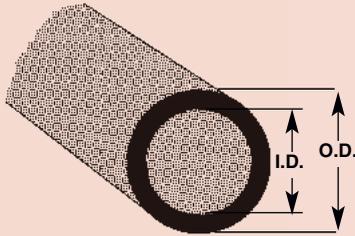
Used by Jewelers, crafts people, Educators and anyone with some creativity. See above for additional information. Packaged in random mixed colors, 25 pieces, 15" (375mm) long.

CODE	ACTUAL SIZE					
	O.D.		I.D.		WALL	
TBAS-1	3/64"	1.2mm	N/A	N/A	N/A	N/A
TBAS-2	1/16"	1.6mm	N/A	N/A	N/A	N/A
TBAS-3	3/32"	2.4mm	.050	1.3mm	.020	0.5mm
TBAS-4	1/8"	3.2mm	1/16"	1.6mm	1/32"	0.8mm



TUBING & FITTINGS

TRADITIONAL ABS ROUND TUBING



Use for “cracking towers”, storage tanks, silos and other tanks found in chemical, industrial and municipal facilities. Precision Extruded in Gray ABS Plastic. Ideal for all outdoor or professional model construction where model life is critical. High impact strength provides durability, flexibility and longevity of the model. See related fittings later in this Catalog.

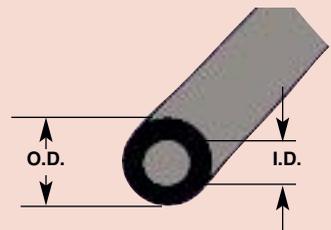
CODE	ACTUAL SIZE					
	O.D.		I.D.		WALL	
TB-48	1-1/2"	38.1mm	1-21/64"	33.7mm	3/32"	2.4mm
TB-175	1-3/4"	44.5mm	1-37/64"	40.1mm	3/32"	2.4mm
TB-200	2"	50.8mm	1-53/64"	46.4mm	3/32"	2.4mm
TB-225	2-1/4"	57.2mm	2"	50.8mm	1/8"	3.2mm
TB-250	2-1/2"	63.5mm	2-11/32"	59.5mm	5/64"	2.0mm
TB-275	2-3/4"	69.9mm	2-19/32"	65.9mm	5/64"	2.0mm
TB-300	3"	76.2mm	2-27/32"	71.8mm	5/64"	2.0mm
TB-325	3-1/4"	82.6mm	3-3/32"	78.6mm	5/64"	2.0mm
TB-350	3-1/2"	88.9mm	3-11/32"	84.9mm	5/64"	2.0mm
TB-375	3-3/4"	95.3mm	3-19/32"	91.3mm	5/64"	2.0mm
TB-400	4"	101.6mm	3-27/32"	97.6mm	5/64"	2.0mm
TB-425	4-1/4"	108.0mm	4-3/32"	104.0mm	5/64"	2.0mm
TB-450	4-1/2"	114.3mm	4-11/32"	110.3mm	5/64"	2.0mm
TB-475	4-3/4"	120.7mm	4-19/32"	116.7mm	5/64"	2.0mm
TB-500	5"	127.0mm	4-7/8"	123.8mm	1/16"	1.6mm
TB-525	5-1/4"	133.4mm	5-1/8"	130.2mm	1/16"	1.6mm
TB-550	5-1/2"	139.7mm	5-3/8"	136.5mm	1/16"	1.6mm
TB-575	5-3/4"	146.1mm	5-5/8"	142.9mm	1/16"	1.6mm
TB-600	6"	152.4mm	5-7/8"	149.2mm	1/16"	1.6mm

NOTES: 18" (450mm) Length.

All Gray ABS Tubing is also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code. Example: TB-200L

DARK GRAY ABS TUBING

Use for piping in industrial model settings. May also be used as round pylons in bridge, pier and other structures. Precision Extruded in Dark Gray ABS Plastic. Ideal for all facets of model building. The color matches our Traditional ABS Structural Shapes.



CODE	ACTUAL SIZE					
	O.D.		I.D.		WALL	
TBAL-6	3/16"	4.8mm	3/32"	2.4mm	3/64"	1.2mm
TBAL-8	1/4"	6.4mm	1/8"	3.2mm	1/16"	1.6mm
TBAL-10	5/16"	7.9mm	3/16"	4.8mm	1/16"	1.6mm
TBAL-12	3/8"	9.5mm	1/4"	6.4mm	1/16"	1.6mm
TBAL-14	7/16"	11.1mm	5/16"	7.9mm	1/16"	1.6mm
TBAL-16	1/2"	12.7mm	3/8"	9.5mm	1/16"	1.6mm
TBAL-18	9/16"	14.3mm	7/16"	11.1mm	1/16"	1.6mm
TBAL-20	5/8"	15.9mm	1/2"	12.7mm	1/16"	1.6mm
TBAL-24	3/4"	19.1mm	5/8"	15.9mm	1/16"	1.6mm

NOTE: 30" (750mm) Length.

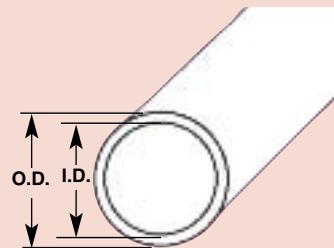
TIP:

To create realistic welded (or riveted) tank seams, use a radiator hose clamp as your horizontal guide. Tighten the clamp around the tube, and using a hobby knife, lightly scribe lines every 8 scale feet around the tank. Scribe vertical lines using a straight edge.

TUBING & FITTINGS

CLEAR ACRYLIC ROUND TUBING

Use in craft or home decoration projects, or in place of our ABS tubing for tanks, silos and other round structures. Precision Extruded in Clear Acrylic Plastic. Excellent clarity. Ideal for all facets of model building. See our Clear Acrylic heads (later in this Catalog) for use as end caps.



CODE	ACTUAL SIZE					
	O.D.		I.D.		WALL	
AT-8	1/4"	6.4mm	1/8"	3.2mm	1/16"	1.6mm
AT-12	3/8"	9.5mm	1/4"	6.4mm	1/16"	1.6mm
AT-16	1/2"	12.7mm	3/8"	9.5mm	1/16"	1.6mm
AT-20	5/8"	15.9mm	1/2"	12.7mm	1/16"	1.6mm
AT-24	3/4"	19.1mm	5/8"	15.9mm	1/16"	1.6mm
AT-32	1"	25.4mm	7/8"	22.2mm	1/16"	1.6mm

NOTE: 18" (450mm) Length.

Clear Acrylic Tubing is also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code. Example: AT-32L.

Used by Jewelers, crafts people, Educators and anyone with some creativity. Precision Extruded in Clear Acrylic Plastic.

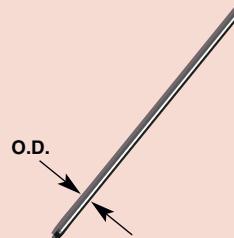
CODE	ACTUAL SIZE					
	O.D.		I.D.		WALL	
CTB-3	3/32"	2.4mm	.050	1.3mm	.020	0.5mm
CTB-4	1/8"	3.2mm	1/16"	1.6mm	1/32"	0.8mm
CTB-6	3/16"	4.8mm	3/32"	2.4mm	3/64"	1.2mm
CTB-8	1/4"	6.4mm	1/8"	3.2mm	1/16"	1.6mm

NOTE: 15" (375mm) Length.

All Clear Round Tubing is also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code. Example: CTB-4L.

BRASS INSERT WIRE

This wire is designed for insertion in our 3/32" (2.4mm) and 1/8" (3.2mm) Butyrate round tubing to add stiffness or allow bending to almost any configuration.



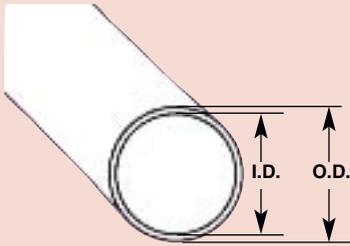
CODE	ACTUAL O.D.		TO FIT TUBING
MIW-1	.045	1.1mm	3
MIW-2	.058	1.5mm	4

NOTE: 15" (375mm) Length.

Brass Insert Wire is also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code. Example: MIW-1L.

TUBING & FITTINGS

CLEAR BUTYRATE ROUND TUBING



Use in craft or home decoration projects, or in place of our ABS tubing for tanks, silos and other round structures. Also makes an excellent rocket fuselage, or a storage or display vessel. Precision Extruded in Clear Butyrate Plastic. Excellent clarity.

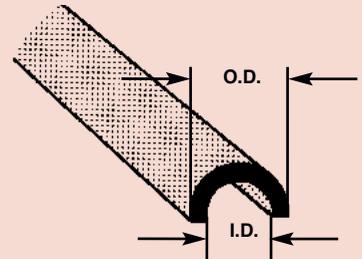
CODE	ACTUAL SIZE					
	O.D.		I.D.		WALL	
BTB-4	1/8"	3.2mm	1/16"	1.6mm	1/32"	0.8mm
BTB-6	3/16"	4.8mm	1/8"	3.2mm	1/32"	0.8mm
BTB-8	1/4"	6.4mm	3/16"	4.8mm	1/32"	0.8mm
BTB-12	3/8"	9.5mm	5/16"	7.9mm	1/32"	0.8mm
BTB-16	1/2"	12.7mm	7/16"	11.1mm	1/32"	0.8mm
BTB-20	5/8"	15.9mm	9/16"	12.7mm	1/32"	0.8mm
BTB-24	3/4"	19.1mm	11/16"	17.5mm	1/32"	0.8mm
BTB-32	1"	25.4mm	15/16"	23.8mm	1/32"	0.8mm
BTB-48	1-1/2"	38.1mm	1-7/16"	36.5mm	1/32"	0.8mm

NOTE: 24" (600mm) Length.

Clear Butyrate Tubing is also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code. Example: BTB-200L

HALF ROUND PROFILES

Use for the top housing unit of corrugated roll-up doors, large scale gutters and bannister railings, and decorative trim for inside and outside buildings. Precision Extruded in Gray Butyrate Plastic. Ideal for all facets of model building.



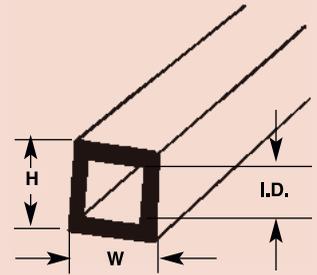
CODE	ACTUAL SIZE					
	O.D.		I.D.		WALL	
HP-3	3/16"	4.8mm	3/32"	2.4mm	3/64"	1.2mm
HP-4	1/4"	6.4mm	1/8"	3.2mm	1/16"	1.6mm
HP-6	5/16"	7.9mm	3/16"	4.8mm	1/16"	1.6mm
HP-8	3/8"	9.5mm	1/4"	6.4mm	1/16"	1.6mm
HP-10	7/16"	11.1mm	5/16"	7.9mm	1/16"	1.6mm
HP-12	1/2"	12.7mm	3/8"	9.5mm	1/16"	1.6mm
HP-14	9/16"	14.3mm	7/16"	11.1mm	1/16"	1.6mm
HP-16	5/8"	15.9mm	1/2"	12.7mm	1/16"	1.6mm
HP-18	11/16"	17.5mm	9/16"	14.3mm	1/16"	1.6mm
HP-20	3/4"	19.1mm	5/8"	15.9mm	1/16"	1.6mm
HP-24	7/8"	22.2mm	3/4"	19.1mm	1/16"	1.6mm
HP-28	1"	25.4mm	7/8"	22.2mm	1/16"	1.6mm
HP-32	1-1/8"	28.6mm	1"	25.4mm	1/16"	1.6mm
HP-36	1-1/4"	31.8mm	1-1/8"	28.6mm	1/16"	1.6mm
HP-40	1-3/8"	34.9mm	1-1/4"	31.8mm	1/16"	1.6mm

NOTE: 15" (375mm) Length.

Half Round Profiles are also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code. Example: HP-10L

TRADITIONAL ABS SQUARE TUBING

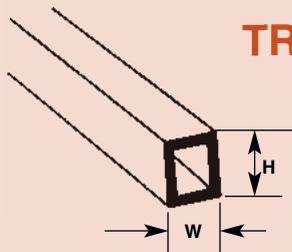
Use for concrete columns in the construction of modern structures. May also be used as square wood or steel members in the construction of older structures. Precision Extruded in Light Gray ABS Plastic. Ideal for all facets of model building. Alternate sizes telescope.



CODE	ACTUAL SIZE					
	'H' & 'W'		I.D.		WALL	
ST-4	1/8"	3.2mm	.050 **	1.3mm	.037	0.9mm
ST-6	3/16"	4.8mm	3/32" **	2.4mm	3/64"	1.2mm
ST-8	1/4"	6.4mm	1/8"	3.2mm	1/16"	1.6mm
ST-10	5/16"	7.9mm	3/16"	4.8mm	1/16"	1.6mm
ST-12	3/8"	9.5mm	1/4"	6.4mm	1/16"	1.6mm
ST-14	7/16"	11.1mm	5/16"	7.9mm	1/16"	1.6mm
ST-16	1/2"	12.7mm	3/8"	9.5mm	1/16"	1.6mm
ST-18	9/16"	14.3mm	7/16"	11.1mm	1/16"	1.6mm
ST-20	5/8"	15.9mm	1/2"	12.7mm	1/16"	1.6mm
ST-24	3/4"	19.1mm	5/8"	15.9mm	1/16"	1.6mm
ST-28	7/8"	22.2mm	3/4"	19.1mm	1/16"	1.6mm
ST-32	1"	25.4mm	7/8"	22.2mm	1/16"	1.6mm
ST-36	1-1/8"	28.6mm	1"	25.4mm	1/16"	1.6mm
ST-40	1-1/4"	31.8mm	1-1/8"	28.6mm	1/16"	1.6mm

NOTE: 15" (375mm) Length. ** ST-4 and ST-6 have round I.D.
 Square Tubing is also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code.
 Example: ST-10L

TRADITIONAL ABS RECTANGULAR TUBING

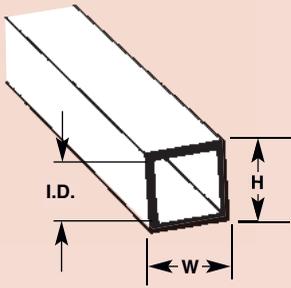


Use for concrete columns and beams in the construction of modern structures. May also be used as wood or steel members in the construction of older structures. Precision Extruded in Light Gray ABS Plastic. Ideal for all facets of model building.

CODE	ACTUAL SIZE					
	'H'		'W'		WALL	
RT-8	1/4"	6.4mm	3/16"	4.8mm	1/16"	1.6mm
RT-10	5/16"	7.9mm	1/4"	6.4mm	1/16"	1.6mm
RT-12	3/8"	9.5mm	1/4"	6.4mm	1/16"	1.6mm
RT-14	7/16"	11.1mm	1/4"	6.4mm	1/16"	1.6mm
RT-16	1/2"	12.7mm	1/4"	6.4mm	1/16"	1.6mm
RT-18	9/16"	14.3mm	1/4"	6.4mm	1/16"	1.6mm
RT-19	9/16"	14.3mm	3/8"	9.5mm	1/16"	1.6mm
RT-20	5/8"	15.9mm	1/4"	6.4mm	1/16"	1.6mm
RT-21	5/8"	15.9mm	1/2"	12.7mm	1/16"	1.6mm
RT-24	3/4"	19.1mm	3/8"	9.5mm	1/16"	1.6mm
RT-26	3/4"	19.1mm	9/16"	14.3mm	1/16"	1.6mm
RT-28	7/8"	22.2mm	3/8"	9.5mm	1/16"	1.6mm
RT-29	7/8"	22.2mm	5/8"	15.9mm	1/16"	1.6mm
RT-32	1"	25.4mm	3/8"	9.5mm	1/16"	1.6mm
RT-33	1"	25.4mm	3/4"	19.1mm	1/16"	1.6mm
RT-36	1-1/8"	28.6mm	3/8"	9.5mm	1/16"	1.6mm
RT-37	1-1/8"	28.6mm	3/4"	19.1mm	1/16"	1.6mm

NOTE: 15" (375mm) Length.
 Rectangular Tubing is also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code.
 Example: RT-12L

FINELINE STYRENE SQUARE TUBING



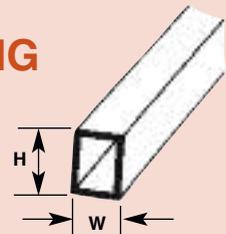
Use for concrete columns in the construction of modern structures. May also be used to represent square steel or wood members in the construction of older structures. Precision Extruded in White Styrene Plastic. Ideal for museum quality and smaller scale model construction where assembly speed, profile accuracy and cost are the determining factors. Sizes telescope.

CODE	ACTUAL SIZE					
	'H' & 'W'		I.D.		WALL	
STFS-4	1/8"	3.2mm	.085	2.2mm	.025	0.6mm
STFS-6	3/16"	4.8mm	9/64"	3.6mm	.025	0.6mm
STFS-8	1/4"	6.4mm	13/64"	5.2mm	.025	0.6mm
STFS-10	5/16"	7.9mm	17/64"	6.7mm	.025	0.6mm
STFS-12	3/8"	9.5mm	21/64"	8.3mm	.025	0.6mm

NOTE: 15" (375mm) Length.

FINELINE STYRENE RECTANGULAR TUBING

Use for concrete columns and beams in the construction of modern structures. Precision Extruded in White Styrene Plastic. Ideal for museum quality and smaller scale model construction where assembly speed, profile accuracy and cost are the determining factors.

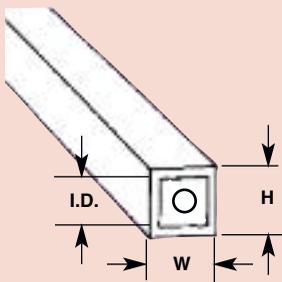


CODE	ACTUAL SIZE					
	'H'		'W'		WALL	
RTFS-8	1/4"	6.4mm	3/16"	4.8mm	.025	0.6mm
RTFS-10	5/16"	7.9mm	1/4"	6.4mm	.025	0.6mm
RTFS-12	3/8"	9.5mm	1/4"	6.4mm	.025	0.6mm

NOTE: 15" (375mm) Length.

CLEAR ACRYLIC SQUARE TUBING

Used by Jewelers, crafts people, Educators and anyone with some creativity. Precision Extruded in Clear Acrylic Plastic.



CODE	ACTUAL SIZE					
	'H' & 'W'		I.D.		WALL	
CST-4	1/8"	3.2mm	.050	1.3mm	.037	0.9mm
CST-6	3/16"	4.8mm	3/32"	2.4mm	.055	1.4mm
CST-8	1/4"	6.4mm	1/8"	3.2mm	.065	1.7mm

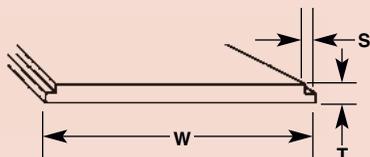
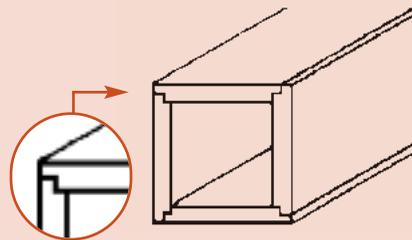
NOTE: 15" (375mm) Length.

All Clear Square Tubing is also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code. Example: CST-8L

All I.D.'s are round hole.

ABS LARGE TUBING ASSEMBLIES

A quick and simple method for assembly of **LARGE** square and rectangular tubing. Unique design allows assembly of several hundred different sizes of square and rectangular shapes. Use for concrete columns in the construction of modern structures. May also be used to represent square steel or wood members in the construction of older structures. Also good for making boxes or other creative craft items.



ABS TUBING COMPONENTS

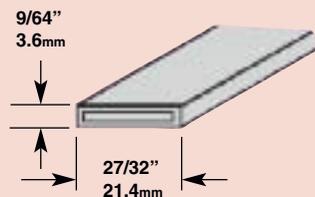
Use for custom fabrication of square and rectangular tubing or boxed assemblies such as concrete columns in modern structures. 1/16" (1.6mm) alignment lip and notch corners allow fast, accurate assembly. Simply tape assembly together, then solvent bond along the joints. Precision Injection Molded in Light Gray ABS Plastic.

CODE	ACTUAL SIZE					
	'W'		'T'		'S'	
SRT-24L	3/4"	19.1mm	1/8"	3.2mm	1/16"	1.6mm
SRT-28L	7/8"	22.2mm	1/8"	3.2mm	1/16"	1.6mm
SRT-32L	1"	25.4mm	1/8"	3.2mm	1/16"	1.6mm
SRT-36L	1-1/8"	28.6mm	1/8"	3.2mm	1/16"	1.6mm
SRT-40L	1-1/4"	31.8mm	1/8"	3.2mm	1/16"	1.6mm
SRT-44L	1-3/8"	34.9mm	1/8"	3.2mm	1/16"	1.6mm
SRT-48L	1-1/2"	38.1mm	1/8"	3.2mm	1/16"	1.6mm
SRT-52L	1-5/8"	41.3mm	1/8"	3.2mm	1/16"	1.6mm
SRT-56L	1-3/4"	44.5mm	1/8"	3.2mm	1/16"	1.6mm
SRT-60L	1-7/8"	47.6mm	1/8"	3.2mm	1/16"	1.6mm
SRT-64L	2"	50.8mm	1/8"	3.2mm	1/16"	1.6mm
SRT-68L	2-1/8"	54.0mm	1/8"	3.2mm	1/16"	1.6mm

NOTE: 30" (750mm) Length.

RECTANGULAR ABS TUBE

Use to represent cable trays in electrical power plants, or any other rectangular ducting. Special horizontal and vertical elbows may be found later in this Catalog. Precision Extruded in Medium Green ABS Plastic.



CODE: CT-27

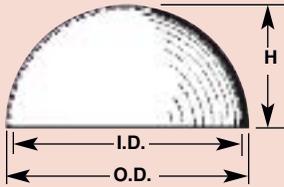
NOTE: 30" (750mm) Length.



IN A HURRY?

Call our Toll Free 800 Order Line and pay by VISA/MasterCard. (800) 666-7015 8:00 am-2:00 pm Pacific Time.

TUBING & FITTINGS



HEMISPHERICAL DOMES

Use for vertical and horizontal tank ends when making storage tanks for oil processing plants, water, LP gas or food and grain. Great for school and craft projects, and home decor. Glue two together to make plastic spheres. Also great for eyes on puppets and robots. Precision Injection Molded in Acrylic, ABS or Butyrate Plastic. **Code shown is for Clear Acrylic.**

CODE	TO FIT TUBE	ACTUAL SIZE					
		O.D.		I.D.		'H'	
VHH-12 •	12	3/8"	9.5mm	5/32"	4.0mm	3/16"	4.8mm
VHH-14 •	14	7/16"	11.1mm	1/4"	6.4mm	7/32"	5.6mm
VHH-16 •	16	1/2"	12.7mm	9/32"	7.1mm	1/4"	6.4mm
VHH-18 •	18	9/16"	14.3mm	23/64"	9.1mm	9/32"	7.1mm
VHH-20 •	20	5/8"	15.9mm	7/16"	11.1mm	5/16"	7.9mm
VHH-24 •	24	3/4"	19.1mm	35/64"	13.9mm	3/8"	9.5mm
VHH-28 •	28	7/8"	22.2mm	43/64"	17.1mm	7/16"	11.1mm
VHH-32 •	32	1"	25.4mm	25/32"	19.8mm	1/2"	12.7mm
VHH-36 •	36	1-1/8"	28.6mm	15/16"	23.8mm	9/16"	14.3mm
VHH-40 •	40	1-1/4"	31.8mm	1"	25.4mm	5/8"	15.9mm
VHH-48 •	48	1-1/2"	38.1mm	1-1/4"	31.8mm	3/4"	19.1mm
VHH-175	56/175	1-3/4"	44.5mm	1-1/2"	38.1mm	7/8"	22.2mm
VHH-200	64/200	2"	50.8mm	1-3/4"	44.5mm	1"	25.4mm
VHH-225	225	2-1/4"	57.2mm	2"	50.8mm	1-1/8"	28.6mm
VHH-250	250	2-1/2"	63.5mm	2-1/4"	57.2mm	1-1/4"	31.8mm
VHH-275	275	2-3/4"	69.9mm	2-1/2"	63.5mm	1-3/8"	34.9mm
VHH-300	300	3"	76.2mm	2-3/4"	69.9mm	1-1/2"	38.1mm
VHH-325	325	3-1/4"	82.6mm	3"	76.2mm	1-5/8"	41.3mm
VHH-350	350	3-1/2"	88.9mm	3-1/4"	82.6mm	1-3/4"	44.5mm
VHH-375	375	3-3/4"	95.3mm	3-1/2"	88.9mm	1-7/8"	47.6mm
VHH-400	400	4"	101.6mm	3-3/4"	95.3mm	2"	50.8mm
VHH-425	425	4-1/4"	108.0mm	4"	101.6mm	2-1/8"	54.0mm
VHH-450	450	4-1/2"	114.3mm	4-1/4"	108.0mm	2-1/4"	57.2mm
VHH-475	475	4-3/4"	120.7mm	4-1/2"	114.3mm	2-3/8"	60.3mm
VHH-500	500	5"	127.0mm	4-3/4"	120.7mm	2-1/2"	63.5mm
VHH-525	525	5-1/4"	133.4mm	5"	127.0mm	2-5/8"	66.7mm
VHH-550	550	5-1/2"	139.7mm	5-1/4"	133.4mm	2-3/4"	69.9mm
VHH-575	575	5-3/4"	146.1mm	5-1/2"	139.7mm	2-7/8"	73.0mm
VHH-600	600	6"	152.4mm	5-3/4"	146.1mm	3"	76.2mm

NOTE:

Now available in solid Gray ABS. To order add VG to the end of the Product Code. Example: VHH-12VG
 Product codes listed with "*" are also available in the following colors. To order, add the color abbreviation listed below to the end of the Product Code. Example: VHH-16FY

FR - Fluorescent Red Acrylic
 FY - Fluorescent Yellow Acrylic
 FB - Fluorescent Blue Acrylic

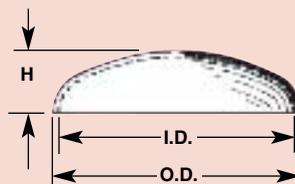
FG - Fluorescent Green Acrylic
 W - White Butyrate
 BK - Black Butyrate



Photo courtesy of Steven Clarke, BRANDYWINE RIVER MUSEUM, Chadds Ford, PA

TUBING & FITTINGS

ELLIPTICAL DOMES



Use for vertical and horizontal tank ends when making storage tanks for oil processing plants, water, LP gas or food and grain. Great for school and craft projects, and home decor. Glue two together to make plastic spheres. Also great for eyes on puppets and robots. Precision Injection Molded in Acrylic, ABS or Butyrate Plastic. **Code shown is for Clear Acrylic.**

CODE	TO FIT TUBE	ACTUAL SIZE					
		O.D.		I.D.		'H'	
VHE-12 •	12	3/8"	9.5mm	N/A	N/A	.080	2.0mm
VHE-14 •	14	7/16"	11.1mm	N/A	N/A	.100	2.5mm
VHE-16 •	16	1/2"	12.7mm	N/A	N/A	.110	2.8mm
VHE-18 •	18	9/16"	14.3mm	N/A	N/A	.135	3.4mm
VHE-20 •	20	5/8"	15.9mm	N/A	N/A	.145	3.7mm
VHE-24 •	24	3/4"	19.1mm	N/A	N/A	.180	4.6mm
VHE-28 •	28	7/8"	22.2mm	11/16"	17.5mm	13/64"	5.2mm
VHE-32 •	32	1"	25.4mm	3/4"	19.1mm	15/64"	6.0mm
VHE-36 •	36	1-1/8"	28.6mm	15/16"	23.8mm	17/64"	6.7mm
VHE-40 •	40	1-1/4"	31.8mm	1"	25.4mm	19/64"	7.5mm
VHE-48 •	48	1-1/2"	38.1mm	1-5/16"	33.3mm	21/64"	8.3mm
VHE-175	56/175	1-3/4"	44.5mm	1-1/2"	38.1mm	27/64"	10.7mm
VHE-200	64/200	2"	50.8mm	1-3/4"	44.5mm	1/2"	12.7mm
VHE-225	225	2-1/4"	57.2mm	2"	50.8mm	9/16"	14.3mm
VHE-250	250	2-1/2"	63.5mm	2-1/4"	57.2mm	5/8"	15.9mm
VHE-275	275	2-3/4"	69.9mm	2-1/2"	63.5mm	43/64"	17.1mm
VHE-300	300	3"	76.2mm	2-3/4"	69.9mm	3/4"	19.1mm
VHE-325	325	3-1/4"	82.6mm	3"	76.2mm	51/64"	20.2mm
VHE-350	350	3-1/2"	88.9mm	3-1/4"	82.6mm	7/8"	22.2mm
VHE-375	375	3-3/4"	95.3mm	3-1/2"	88.9mm	15/16"	23.8mm
VHE-400	400	4"	101.6mm	3-3/4"	95.3mm	63/64"	25.0mm
VHE-425	425	4-1/4"	108.0mm	4"	101.6mm	1-1/16"	27.0mm
VHE-450	450	4-1/2"	114.3mm	4-1/4"	108.0mm	1-3/32"	27.8mm
VHE-475	475	4-3/4"	120.7mm	4-1/2"	114.3mm	1-11/64"	29.8mm
VHE-500	500	5"	127.0mm	4-3/4"	120.7mm	1-1/4"	31.8mm
VHE-525	525	5-1/4"	133.4mm	5"	127.0mm	1-5/16"	33.3mm
VHE-550	550	5-1/2"	139.7mm	5-1/4"	133.4mm	1-13/32"	35.7mm
VHE-575	575	5-3/4"	146.1mm	5-1/2"	139.7mm	1-7/16"	36.5mm
VHE-600	600	6"	152.4mm	5-3/4"	146.1mm	1-1/2"	38.1mm

NOTE:

Now available in solid Gray ABS. To order add VG to the end of the Product Code. Example: VHE-12VG
Product codes listed with "•" are also available in the following colors. To order, add the color abbreviation listed below to the end of the Product Code. Example: VHE-12FB

FR - Fluorescent Red Acrylic
 FY - Fluorescent Yellow Acrylic
 FB - Fluorescent Blue Acrylic

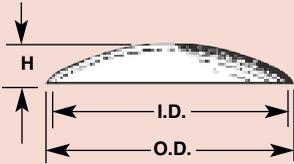
FG - Fluorescent Green Acrylic
 W - White Butyrate
 BK - Black Butyrate



Photo courtesy of Alan Graziano, South Plainfield, NJ

TUBING & FITTINGS

CLEAR ACRYLIC DISHED DOMES



Use for vertical and horizontal tank ends when making storage tanks for oil processing plants, water, LP gas or food and grain. Also popular in craft and home decor projects. Precision Injection Molded in Acrylic or ABS Plastic. Code shown is for Clear Acrylic.

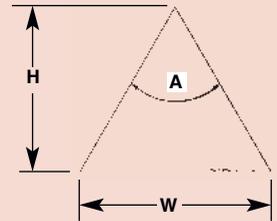
CODE	TO FIT TUBE	ACTUAL SIZE					
		O.D.		I.D.		'H'	
VHD-175	56/175	1-3/4"	44.5mm	1-1/2"	38.1mm	5/16"	7.9mm
VHD-200	64/200	2"	50.8mm	1-3/4"	44.5mm	11/32"	8.7mm
VHD-225	225	2-1/4"	57.2mm	2"	50.8mm	25/64"	9.9mm
VHD-250	250	2-1/2"	63.5mm	2-1/4"	57.2mm	7/16"	11.1mm
VHD-275	275	2-3/4"	69.9mm	2-1/2"	63.5mm	29/64"	11.5mm
VHD-300	300	3"	76.2mm	2-3/4"	69.9mm	33/64"	13.1mm
VHD-325	325	3-1/4"	82.6mm	3"	76.2mm	35/64"	13.9mm
VHD-350	350	3-1/2"	88.9mm	3-1/4"	82.6mm	19/32"	15.1mm
VHD-375	375	3-3/4"	95.3mm	3-1/2"	88.9mm	5/8"	15.9mm
VHD-400	400	4"	101.6mm	3-3/4"	95.3mm	43/64"	17.1mm
VHD-425	425	4-1/4"	108.0mm	4"	101.6mm	45/64"	17.9mm
VHD-450	450	4-1/2"	114.3mm	4-1/4"	108.0mm	49/64"	19.4mm
VHD-475	475	4-3/4"	120.7mm	4-1/2"	114.3mm	51/64"	20.2mm
VHD-500	500	5"	127.0mm	4-3/4"	120.7mm	55/64"	21.8mm
VHD-525	525	5-1/4"	133.4mm	5"	127.0mm	57/64"	22.6mm
VHD-550	550	5-1/2"	139.7mm	5-1/4"	133.4mm	15/16"	23.8mm
VHD-575	575	5-3/4"	146.1mm	5-1/2"	139.7mm	63/64"	25.0mm
VHD-600	600	6"	152.4mm	5-3/4"	146.1mm	1"	25.4mm

NOTE:

Now available in solid Gray ABS. To order add VG to the end of the Product Code. Example: VHD-225VG

CONES & TRANSITIONS

Use for ends on vertical tanks (water, sand, flour, etc.) or transitions from one size to another when making "cracking towers" for oil processing plants. Also great for rocket nose cones. Precision Injection Molded or Vacuum Formed in Medium Gray ABS Plastic.



CODE	A (ANGLE)	ACTUAL SIZE					
		'H'		'W'		WALL	
VC-1	60°	1-7/8"	47.6mm	2-1/8"	54.0mm	.020	0.5mm
VC-30	30°	5-1/2"	139.7mm	3"	76.2mm	.040	1.0mm
VC-45	45°	4-3/4"	120.7mm	4"	101.6mm	.040	1.0mm
VC-60	60°	2-9/16"	65.1mm	3"	76.2mm	.040	1.0mm
VC-64	60°	3-3/8"	85.7mm	4"	101.6mm	.040	1.0mm
VC-66	60°	5"	127.0mm	6"	152.4mm	.100	2.5mm
VC-90	90°	1-1/2"	38.1mm	3"	76.2mm	.025	0.6mm
VC-94	90°	2"	50.8mm	4"	101.6mm	.040	1.0mm
VC-96	90°	2-7/8"	73.0mm	6"	152.4mm	.100	2.5mm
VC-120	120°	1-1/4"	31.8mm	4"	101.6mm	.050	1.3mm
VC-130	130°	1"	25.4mm	4"	101.6mm	.050	1.3mm
VC-605 •	60°	1-3/8"	34.9mm	1-1/2"	38.1mm	.080	2.0mm
VC-905 •	90°	1-1/16"	30.2mm	1-1/2"	38.1mm	.080	2.0mm

NOTE:

• These Products available in sheets of 5 Cones only.



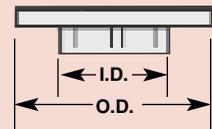
Five different Cones; 3 bullet shapes with O.D. of 1" (25.4mm), 1-1/4" (31.8mm), and 1-1/2" (38.1mm) and 2 60° pointed shapes with 1-1/2" (38.1mm) and 2" (50.8mm). Vacuum Formed in .030 (0.8mm) Gray ABS.

CODE: VC-5

TUBING & FITTINGS

ABS FLANGED CAP HEADS

Use for vertical and horizontal tank ends when making storage tanks for oil processing plants, or for heat exchangers. May also be used for manway covers. Precision Injection Molded in ABS and Butyrate Plastic. **Code shown is for Medium Gray ABS.**

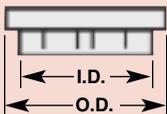


CODE	TO FIT TUBE	ACTUAL SIZE			
		O.D.		I.D.	
VHF-12	12	5/8"	15.9mm	15/64"	6.0mm
VHF-14	14	11/16"	17.5mm	19/64"	7.5mm
VHF-16	16	3/4"	19.1mm	23/64"	9.1mm
VHF-18	18	13/16"	20.6mm	27/64"	10.7mm
VHF-20	20	7/8"	22.2mm	31/64"	12.3mm
VHF-24	24	1"	25.4mm	39/64"	15.5mm
VHF-28	28	1-5/32"	29.4mm	47/64"	18.7mm
VHF-32	32	1-9/32"	32.5mm	55/64"	21.8mm
VHF-36	36	1-7/16"	36.5mm	63/64"	25.0mm
VHF-40	40	1-9/16"	39.7mm	1-7/64"	28.2mm

NOTE:

These Products are also available in the following colors. To order, add the color abbreviation listed below to the end of the Product Code. Example: VHC-20BK

- W - White Butyrate
- BK - Black Butyrate



ABS FLAT CAP HEADS

CODE	TO FIT TUBE	ACTUAL SIZE			
		O.D.		I.D.	
VHC-12	12	3/8"	9.5mm	15/64"	6.0mm
VHC-14	14	7/16"	11.1mm	19/64"	7.5mm
VHC-16	16	1/2"	12.7mm	23/64"	9.1mm
VHC-18	18	9/16"	14.3mm	27/64"	10.7mm
VHC-20	20	5/8"	15.9mm	31/64"	12.3mm
VHC-24	24	3/4"	19.1mm	39/64"	15.5mm
VHC-28	28	7/8"	22.2mm	47/64"	18.7mm
VHC-32	32	1"	25.4mm	55/64"	21.8mm
VHC-36	36	1-1/8"	28.6mm	63/64"	25.0mm
VHC-40	40	1-1/4"	31.8mm	1-7/64"	28.2mm
VHC-48	48	1-1/2"	38.1mm	1-21/64"	33.7mm
VHC-175	56/175	1-3/4"	44.5mm	1-37/64"	40.1mm
VHC-200	64/200	2"	50.8mm	1-53/64"	46.4mm
VHC-225	225	2-1/4"	57.2mm	2-5/64"	52.8mm

NOTE:

These Products are also available in the following colors. To order, add the color abbreviation listed below to the end of the Product Code. Example: VHC-20BK

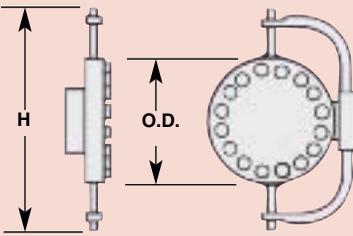
- W - White Butyrate
- BK - Black Butyrate



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TUBING & FITTINGS

ABS MANWAYS

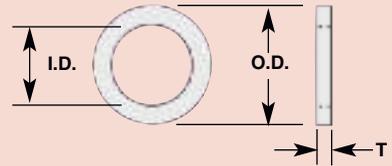


Use for manways and clean-outs in storage tanks. Precision Injection Molded in Medium Gray ABS Plastic.

CODE	ACTUAL SIZE			
	O.D.		'H'	
MH-18	13/16"	20.6mm	1-11/32"	33.7mm
MH-24	1-1/16"	27.0mm	1-5/8"	41.3mm
MH-36	1-1/2"	38.1mm	2-1/4"	57.2mm
MH-40	2"	50.8mm	2-13/16"	71.4mm

RINGS/FLANGES

Use for vertical and horizontal tank flanges when making tanks for oil processing plants, or for heat exchanger flanges. Also great for school and craft projects, and home decor. Precision Injection Molded in ABS, Acrylic or Butyrate Plastic. Code Shown is for Medium Gray ABS.



CODE	TO FIT TUBE	ACTUAL SIZE					
		O.D.		I.D.		'T'	
RI-12 •	12	5/8"	15.9mm	3/8"	9.5mm	3/32"	2.4mm
RI-14 •	14	11/16"	17.5mm	7/16"	11.1mm	3/32"	2.4mm
RI-16 •	16	3/4"	19.1mm	1/2"	12.7mm	3/32"	2.4mm
RI-18 •	18	13/16"	20.6mm	9/16"	14.3mm	1/8"	3.2mm
RI-20 •	20	7/8"	22.2mm	5/8"	15.9mm	1/8"	3.2mm
RI-24 •	24	1"	25.4mm	3/4"	19.1mm	1/8"	3.2mm
RI-28 •	28	1-5/32"	29.4mm	7/8"	22.2mm	5/32"	4.0mm
RI-32 •	32	1-9/32"	32.5mm	1"	25.4mm	5/32"	4.0mm
RI-36 •	36	1-7/16"	36.5mm	1-1/8"	28.6mm	5/32"	4.0mm
RI-40 •	40	1-9/16"	39.7mm	1-1/4"	31.8mm	5/32"	4.0mm
RI-48	48	2-1/16"	52.4mm	1-1/2"	38.1mm	1/8"	3.2mm
RI-175	56/175	2-5/16"	58.7mm	1-3/4"	44.5mm	1/8"	3.2mm
RI-200	64/200	2-9/16"	65.1mm	2"	50.8mm	5/32"	4.0mm
RI-225	225	2-13/16"	71.4mm	2-1/4"	57.2mm	5/32"	4.0mm

NOTE:

Product codes listed with "*" are also available in the following colors. To order, add the color abbreviation listed below to the end of the Product Code. Example: RI-24W

FR - Fluorescent Red Acrylic
 FY - Fluorescent Yellow Acrylic
 FB - Fluorescent Blue Acrylic

FG - Fluorescent Green Acrylic
 W - White Butyrate
 BK - Black Butyrate



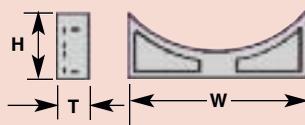
NEED IT FAST?

Specify Fed-Ex or UPS Next Day Service. We also offer 2 and 3 Day Air Service, as well as Economical Ground.

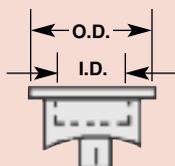
TUBING & FITTINGS

ABS TUBING SADDLES & SUPPORTS

Use to support horizontal tanks. Glue 2 together for stacking multiple horizontal tanks or large piping. Precision Injection Molded in Dark Gray ABS Plastic.



CODE	TO FIT TUBE	ACTUAL SIZE					
		'H'		'W'		'T'	
VS-8	8	3/16"	3.2mm	7/32"	5.6mm	3/32"	2.4mm
VS-10	10	3/16"	3.2mm	9/32"	7.1mm	3/32"	2.4mm
VS-12	12	1/4"	3.2mm	11/32"	8.7mm	1/8"	3.2mm
VS-14	14	1/4"	3.2mm	13/32"	10.3mm	1/8"	3.2mm
VS-16	16	1/4"	3.2mm	15/32"	11.9mm	1/8"	3.2mm
VS-18	18	5/16"	4.8mm	1/2"	12.7mm	1/8"	3.2mm
VS-20	20	3/8"	4.8mm	9/16"	14.3mm	1/8"	3.2mm
VS-24	24	3/8"	4.8mm	5/8"	15.9mm	1/8"	3.2mm
VS-28	28	3/8"	4.8mm	11/16"	17.5mm	1/8"	3.2mm
VS-32	32	3/8"	4.8mm	3/4"	19.1mm	5/32"	4.0mm
VS-36	36	3/8"	4.8mm	7/8"	22.2mm	5/32"	4.0mm
VS-40	40	7/16"	4.8mm	1"	25.4mm	5/32"	4.0mm
VS-48	48	7/16"	4.8mm	1-1/8"	28.6mm	5/32"	4.0mm
VS-175	56/175	1/2"	4.8mm	1-3/8"	34.9mm	3/16"	4.8mm
VS-200	64/200	5/8"	4.8mm	1-5/8"	41.3mm	3/16"	4.8mm
VS-225	225	5/8"	4.8mm	1-13/16"	46.0mm	3/16"	4.8mm
VS-250	250	11/16"	4.8mm	2"	50.8mm	1/4"	6.4mm
VS-275	275	13/16"	4.8mm	2-1/4"	57.2mm	1/4"	6.4mm
VS-300	300	13/16"	4.8mm	2-7/16"	61.9mm	1/4"	6.4mm



ABS NOZZLES

Use for attaching piping to tanks wherever piping is commonly found. Also used for representing manways, sight glasses and other tank accessories. Designed for use on all large ABS tubing; radius must be modified to fit the intended tank. Precision Injection Molded in Medium Gray ABS Plastic.

CODE	TO FIT TUBE	ACTUAL SIZE			
		O.D.		I.D.	
N-1	1	5/32"	4.0mm	3/64"	1.2mm
N-2	2	13/64"	5.2mm	1/16"	1.6mm
N-3	3	17/64"	6.7mm	3/32"	2.4mm
N-4	4	5/16"	7.9mm	1/8"	3.2mm
N-6	6	25/64"	9.9mm	3/16"	4.8mm
N-8	8	7/16"	11.1mm	1/4"	6.4mm
N-10	10	17/32"	13.5mm	5/16"	7.9mm
N-12	12	5/8"	15.9mm	3/8"	9.5mm
N-14	14	11/16"	17.5mm	7/16"	11.1mm
N-16	16	25/32"	19.8mm	1/2"	12.7mm
N-18	18	53/64"	21.0mm	9/16"	14.3mm
N-20	20	29/32"	23.0mm	5/8"	15.9mm
N-24	24	1"	25.4mm	3/4"	19.1mm



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TUBING & FITTINGS



BUTYRATE TUBING FITTINGS

Use with our Traditional Butyrate Round Tubing for piping systems found in industrial and commercial modeling, and for residential plumbing in dollhouse models. Also useful in model car roll cages, exhaust systems and scratchbuilt chassis. Ideal for stimulating creativity in educational programs utilizing our D&T Packs. Fitting design allows temporary press-fit assembly, however final assembly must be cemented. Precision Injection Molded in Butyrate Plastic. Code shown is for White Color.

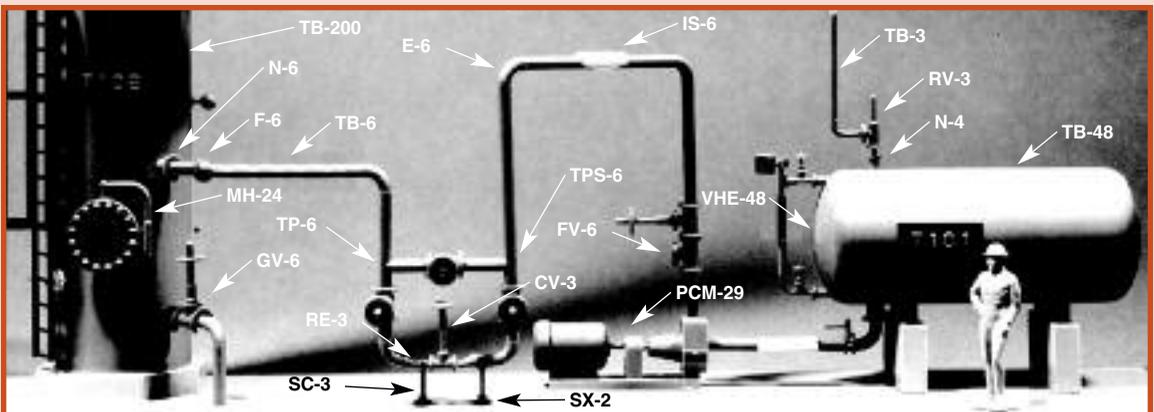
								
TO FIT TUBE	90° ELBOW	FEMALE 90° ELBOW	45° ELBOW	FEMALE 45° ELBOW	90° TEE	45° STUB-IN TEE	45° SNAP-ON TEE	FLANGE
1	-	-	-	-	-	-	-	F-1
2	-	-	-	-	-	-	LT-2	F-2
3	E-3	EF-3	EL-3	ELF-3	TP-3	-	LT-3	F-3
4	E-4	EF-4	EL-4	ELF-4	TP-4	-	LT-4	F-4
6	E-6	EF-6	EL-6	ELF-6	TP-6	TPA-6	LT-6	F-6
8	E-8	EF-8	EL-8	ELF-8	TP-8	TPA-8	-	F-8
10	E-10	EF-10	EL-10	ELF-10	TP-10	TPA-10	-	F-10
12	E-12	EF-12	EL-12	ELF-12	TP-12	TPA-12	-	F-12
14	E-14	EF-14	EL-14	ELF-14	TP-14	TPA-14	-	F-14
16	E-16	EF-16	EL-16	ELF-16	TP-16	TPA-16	-	F-16
18	E-18	EF-18	EL-18	ELF-18	TP-18	TPA-18	-	F-18
20	E-20	EF-20	EL-20	ELF-20	TP-20	TPA-20	-	F-20
24	E-24	EF-24	EL-24	ELF-24	TP-24	TPA-24	-	F-24
28	E-28	-	EL-28	-	-	-	-	-
32	E-32	-	EL-32	-	-	-	-	-
36	E-36	-	EL-36	-	-	-	-	-
40	E-40	-	EL-40	-	-	-	-	-

NOTES:

All Products on this page are also available in Black. To order, add BK to the end of the Product Code. Example: E-12BK

Sizes 3 through 24 are Injection Molded in one solid piece. Sizes 28 through 40 are Injection Molded in halves and assembled in a hollow form. Unusual configurations may be achieved by connecting several fittings together. Elbow style fittings not available for TB-1 and TB-2 because these have wire cores allowing bending.

E, EF, EL and ELF Elbows have a 1-1/2 times radius arc, B3 has a 3 times radius arc and BE has a 5 times radius arc. Therefore, the diameter created by four of these fittings is twice the arc times the O.D. of the fitting, i.e. E-4 creates a 3/8" circle.



TUBING & FITTINGS

BUTYRATE TUBING FITTINGS

Use with our Traditional Butyrate Round Tubing for piping systems found in industrial and commercial modeling, and for residential plumbing in dollhouse models. Also useful in model car roll cages, exhaust systems and scratchbuilt chassis. Ideal for stimulating creativity in educational programs utilizing our D&T Packs. Fitting design allows temporary press-fit assembly, however final assembly must be cemented. Precision Injection Molded in Butyrate Plastic. Code shown is for White Color, except CS & CP which are Clear Butyrate Plastic.



TO FIT TUBE	COUPLING		THREE DIA. BEND	FIVE DIA. BEND	SNAP-ON TEE	STUB-IN TEE	TUBE CAP	HINGE SLEEVE
	SLEEVE	PIN						
1	CS-1	-	-	-	TPO-1	-	-	-
2	CS-2	-	-	-	TPO-2	-	-	IS-2
3	CS-3	CP-3	-	-	TPO-3	-	PC-3	IS-3
4	CS-4	CP-4	-	-	TPO-4	-	PC-4	IS-4
6	-	CP-6	B3-6	BE-6	TPO-6	TPS-6	PC-6	IS-6
8	-	CP-8	B3-8	BE-8	TPO-8	TPS-8	PC-8	IS-8
10	-	CP-10	B3-10	BE-10	TPO-10	TPS-10	PC-10	IS-10
12	-	CP-12	B3-12	BE-12	TPO-12	TPS-12	PC-12	IS-12
14	-	CP-14	B3-14	BE-14	TPO-14	TPS-14	PC-14	IS-14
16	-	CP-16	B3-16	BE-16	TPO-16	TPS-16	PC-16	IS-16
18	-	CP-18	B3-18	BE-18	TPO-18	TPS-18	PC-18	IS-18
20	-	CP-20	B3-20	BE-20	TPO-20	TPS-20	PC-20	IS-20
24	-	CP-24	B3-24	BE-24	TPO-24	TPS-24	PC-24	IS-24
28	-	-	B3-28	-	-	TPS-28	PC-28	IS-28
32	-	-	B3-32	-	-	TPS-32	PC-32	IS-32
36	-	-	B3-36	-	-	TPS-36	PC-36	IS-36
40	-	-	B3-40	-	-	TPS-40	PC-40	IS-40

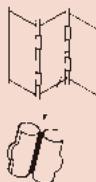
NOTES:

All Products on this page, except the clear Coupling Sleeves and Coupling Pins and the Hinge Sleeves, are also available in Black. To order, add BK to the end of the Product Code.

Example: BE-12BK

Sizes 3 through 24 are Injection Molded in one solid piece. Sizes 28 through 40 are Injection Molded in halves and assembled in a hollow form. Unusual configurations may be achieved by connecting several fittings together. Elbow (Bends) style fittings not available for TB-1 through TB-4 because TB-1 and TB-2 have wire cores, and TB-3 and TB-4 may be inserted with MIW insert wire to allowing bending.

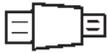
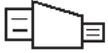
TIP: Hinge Sleeves, when glued back to back or to another surface, work as hinges when fitted over corresponding Tubing.





BUTYRATE TUBING FITTINGS

Use with our Traditional Butyrate Round Tubing for piping systems found in industrial and commercial modeling, and for residential plumbing in dollhouse models. Also useful in model car roll cages, exhaust systems and scratchbuilt chassis. Ideal for stimulating creativity in educational programs utilizing our D&T Packs. Fitting design allows temporary press-fit assembly, however final assembly must be cemented. Precision Injection Molded in Butyrate Plastic. Code shown is for White Color.

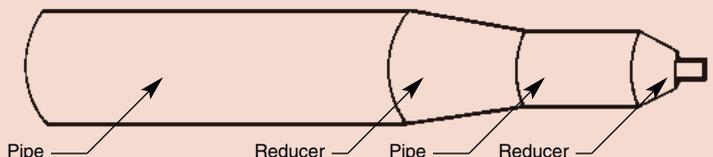
			
TO FIT TUBE	CONCENTRIC REDUCER	ECCENTRIC REDUCER	TEE REDUCER
3 to 2	-	-	TPR-32
4 to 2	-	-	TPR-42
6 to 2	-	-	TPR-62
4 to 3	RC-3	-	TPR-43
6 to 3	RC-2	RE-3	TPR-63
6 to 4	RC-4	-	TPR-64
8 to 4	RC-5	RE-4	-
10 to 4	RC-43	-	-
8 to 6	RC-6	-	-
10 to 6	RC-7	RE-6	-
12 to 6	RC-63	-	-
14 to 6	RC-64	-	-
10 to 8	RC-8	-	-
12 to 8	RC-9	RE-8	-
14 to 8	RC-83	-	-
16 to 8	RC-84	-	-
12 to 10	RC-10	-	-
14 to 10	RC-11	RE-10	-
14 to 12	RC-12	-	-
16 to 12	RC-13	RE-12	-
16 to 14	RC-14	-	-
18 to 14	RC-17	RE-13	-
20 to 14	-	RE-14	-
18 to 16	RC-15	-	-
20 to 16	RC-16	-	-
24 to 16	-	RE-16	-
20 to 18	RC-18	-	-
24 to 18	RC-19	RE-18	-
24 to 20	RC-20	-	-

NOTES:

Concentric and Eccentric Reducers are also available in Black. To order, add BK to the end of the Product Code.
Example: RC-12BK

TIP:

Concentric Reducers maintain the center-line of the pipe run, while Eccentric reducers maintain the bottom of the pipe run.



TUBING & FITTINGS

BUTYRATE TUBING FITTINGS

Use with our Traditional Butyrate Round Tubing for piping systems found in industrial and commercial modeling, and for residential plumbing in dollhouse models. Fitting design allows temporary press-fit assembly, however final assembly must be cemented. Precision Injection Molded in Medium Gray Butyrate Plastic.



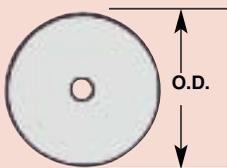
TO FIT TUBE	GATE VALVE	CONTROL VALVE	PLUG VALVE	ANGLE VALVE	RELIEF VALVE	CHECK VALVE	SAUNDERS VALVE	PIPE CLIP	PIPE CLIP FLANGE
1	GV-1	CV-1	-	-	RV-1	-	-	SC-1	SX-1
2	GV-2	CV-2	PV-2	AV-2	RV-2	FV-2	SV-2	SC-2	SX-2
3	GV-3	CV-3	PV-3	AV-3	RV-3	FV-3	SV-3	SC-3	SX-3
4	GV-4	CV-4	PV-4	AV-4	RV-4	FV-4	SV-4	SC-4	SX-4
6	GV-6	CV-6	PV-6	AV-6	RV-6	FV-6	SV-6	SC-6	-
8	GV-8	CV-8	PV-8	AV-8	RV-8	FV-8	SV-8	SC-8	-
10	GV-10	-	-	-	-	FV-10	SV-10	SC-10	-
12	GV-12	-	-	-	-	FV-12	SV-12	SC-12	-
14	GV-14	-	-	-	-	FV-14	SV-14	SC-14	-
16	GV-16	-	-	-	-	FV-16	SV-16	SC-16	-
18	GV-18	-	-	-	-	-	-	SC-18	-
20	GV-20	-	-	-	-	-	-	SC-20	-
24	GV-24	-	-	-	-	-	-	SC-24	-

NOTES:

Pipe Clip Flanges may be used as Pipe Clip bases. SX-2 fit SC-1 through SC-8, and SX-3 fit SC-10 through SC-24.

All Valves come with the appropriate handwheel.

SC-2 may be used as a wrench in place of furnished handwheels on valve sizes 1 through 4, and SC-3 for valve sizes 6 through 24.



HANDWHEELS/DISCS

Designed for use with our valves, but these simple items have many other uses. All have an I.D. of 3/32" (2.4mm). Precision Injection Molded in Medium Gray Butyrate Plastic.

CODE	ACTUAL SIZE	
	O.D.	
WH-8	1/4"	6.4mm
WH-12	3/8"	9.5mm
WH-16	1/2"	12.7mm
WH-20	5/8"	15.9mm
WH-24	3/4"	19.1mm
WH-28	7/8"	22.2mm
WH-32	1"	25.4mm
WH-36	1-1/8"	28.6mm

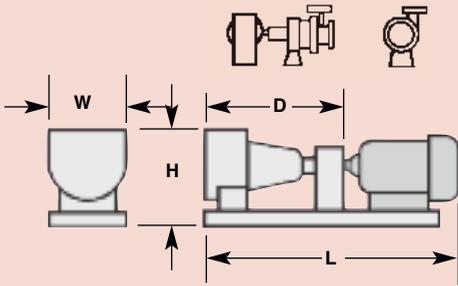


Set of four 4-spoked Handwheels in outside diameters of 5/32" (4mm), 15/64" (6mm), 5/16" (7.9mm) and 25/64" (9.9mm). The two smaller wheels fit our TB-3 and the two larger ones fit our TB-4. Precision Injection Molded in White Styrene Plastic. Sold ONLY in sets.

CODE: HWL-4

TUBING & FITTINGS

PUMP & MOTOR SETS

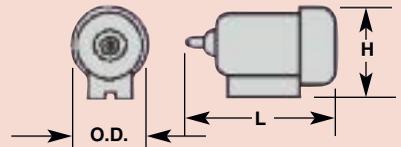


Use in industrial and commercial settings wherever Pumps & Motors would be found. Plastic sets include pump, motor and base plate. Pump and motor can easily be modified for special or unusual applications like turbines, blowers, etc. Precision Injection Molded in Light Gray and Medium Green ABS Plastic.

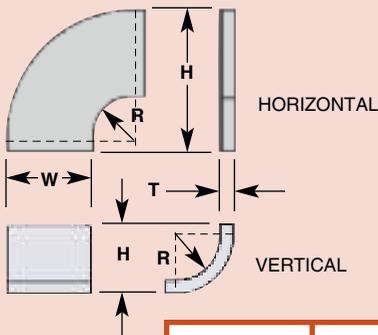
CODE	ACTUAL SIZE								FUNCTION/
	'L'		'D'		'H'		'W'		TYPE
PCM-3	1-1/16"	27.0mm	5/8"	15.9mm	1/2"	12.7mm	1/4"	6.4mm	End Suction
PCM-7	1-9/16"	39.7mm	7/8"	22.2mm	5/8"	15.9mm	3/8"	9.5mm	End Suction
PCM-10	1-13/16"	46.0mm	1-3/32"	27.8mm	5/8"	15.9mm	3/8"	9.5mm	Top Suction
PCM-21	1-5/8"	41.3mm	7/8"	22.2mm	5/8"	15.9mm	1/2"	12.7mm	End Suction
PCM-26	1-15/16"	49.2mm	1-3/32"	27.8mm	11/16"	17.5mm	1/2"	12.7mm	Top Suction
PCM-29	1-3/4"	44.5mm	7/8"	22.2mm	3/4"	19.1mm	9/16"	14.3mm	End Suction
PCM-37	1-13/16"	46.0mm	15/16"	23.8mm	3/4"	19.1mm	5/8"	15.9mm	End Suction
PCM-40	2-7/32"	56.4mm	1-1/4"	31.8mm	3/4"	19.1mm	5/8"	15.9mm	Top Suction
PCM-42	2-3/8"	60.3mm	1-1/4"	31.8mm	3/4"	19.1mm	5/8"	15.9mm	Top Suction
PCM-45	2-3/8"	60.3mm	1-7/32"	31.0mm	1"	25.4mm	3/4"	19.1mm	End Suction

MOTORS

Use in industrial and commercial settings wherever Motors would be found. Motor can easily be modified for special or unusual applications. Precision Injection Molded in Medium Green ABS Plastic.



CODE	ACTUAL SIZE					
	O.D.		'H'		'L'	
M-2	1/4"	6.4mm	5/16"	7.9mm	3/8"	9.5mm
M-3	5/16"	7.9mm	3/8"	9.5mm	1/2"	12.7mm
M-5	3/8"	9.5mm	7/16"	11.1mm	5/8"	15.9mm
M-7	1/2"	12.7mm	1/2"	12.7mm	3/4"	19.1mm
M-9	5/8"	15.9mm	5/8"	15.9mm	7/8"	22.2mm
M-11	11/16"	17.5mm	3/4"	19.1mm	1"	25.4mm
M-12	3/4"	19.1mm	13/16"	20.6mm	1-1/8"	28.6mm



RECTANGULAR ABS TUBE ELBOWS

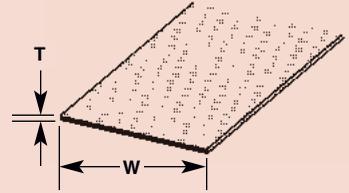
Designed for use with our CT-27 in industrial settings to represent electrical cable trays or ducting. Also useful for creating turbines and various other industrial equipment. Precision Injection Molded in Medium Green ABS Plastic.

CODE	ACTUAL SIZE								STYLE
	'H'		'W'		'T'		'R'		
EHB-12	1-3/8"	34.9mm	27/32"	21.4mm	9/64"	3.6mm	3/8"	9.5mm	Horizontal
EHB-24	1-3/4"	44.5mm	27/32"	21.4mm	9/64"	3.6mm	3/4"	19.1mm	Horizontal
EVB-12	11/16"	17.5mm	27/32"	21.4mm	9/64"	3.6mm	3/8"	9.5mm	Vertical
EVB-24	1"	25.4mm	27/32"	21.4mm	9/64"	3.6mm	3/4"	19.1mm	Vertical

STRIP & ROD

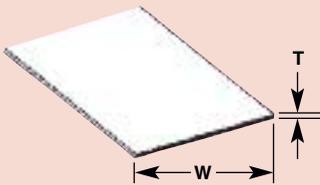
TRADITIONAL ABS STRIP STOCK

Useful thin strips of plastic for general scratch model building. Precision Extruded in Light and Dark Gray ABS Plastics. Ideal for all facets of model building.



CODE	ACTUAL SIZE				COLOR
	'W'		'T'		
STSC-1	1-1/4"	31.8mm	.020	0.5mm	Light Gray
STSC-2	1-1/4"	31.8mm	.030	0.8mm	Light Gray
STSS-1	1-1/4"	31.8mm	.020	0.5mm	Dark Gray
STSS-2	1-1/4"	31.8mm	.030	0.8mm	Dark Gray

NOTE: 24" (600mm) Length.



FINELINE STYRENE STRIP STOCK

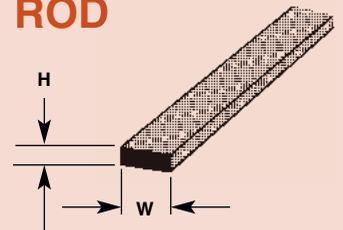
Useful thin strips of plastic for general scratch model building. Precision Extruded in White Styrene Plastic. Ideal for museum quality and smaller scale model construction where assembly speed and cost are the determining factors.

CODE	ACTUAL SIZE				COLOR
	'W'		'T'		
STS-2	1-1/4"	31.8mm	.020	0.5mm	White
STS-3	1-1/4"	31.8mm	.030	0.8mm	White

NOTE: 24" (600mm) Length.

SOLID ABS RECTANGULAR & SQUARE ROD

Useful rectangular and square solid plastic rod for general scratch model building. Precision Extruded in Dark Gray ABS Plastic. Ideal for all facets of model building.



CODE	ACTUAL SIZE			
	'H'		'W'	
SAR-4	1/8"	3.2mm	1/8"	3.2mm
SAR-8	1/8"	3.2mm	1/4"	6.4mm
SAR-12	1/8"	3.2mm	3/8"	9.5mm

NOTE: 15" (375mm) Length.

ABS Rectangular & Square Rod are also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code. Example: SAR-8L

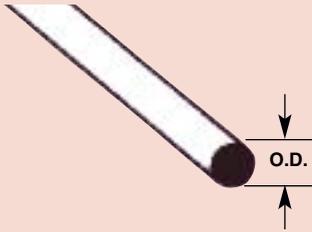
TIP:

For smudge free bonding, apply a small amount of solvent cement with a blunt tipped syringe needle at one end of the parts to be joined and allow the cement to flow, through capillary action, the entire length and breadth of the joint. This will provide a "weld" as strong as the surrounding areas.

Be sure to use **PLASTRUCT Plastic Weld or Bondene Cements.**

STRIP & ROD

SOLID STYRENE ROUND ROD



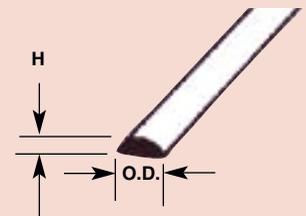
Use for bracing, cabling, piping, wiring, conduit or wherever round stock is appropriate. Precision Extruded in White Styrene Plastic. Ideal for all facets of scratch model building.

CODE	ACTUAL	
	O.D.	
MR-10	.010	0.3mm
MR-15	.015	0.4mm
MR-20	.020	0.5mm
MR-25	.025	0.6mm
MR-30	.030	0.8mm
MR-35	.035	0.9mm
MR-40	.040	1.0mm
MR-45	.045	1.1mm
MR-50	.050	1.3mm
MR-60	.060	1.5mm
MR-80	.080	2.0mm
MR-100	.100	2.5mm
MR-125	1/8"	3.2mm
MR-160	5/32"	4.0mm
MR-190	3/16"	4.8mm
MR-250	1/4"	6.4mm

NOTE: 10" (250mm) Length.

SOLID STYRENE HALF & QUARTER-ROUND ROD

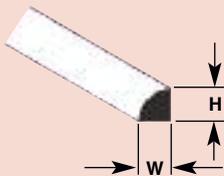
Use for bumpers, building trim, recessed conduit or wherever quarter or half-rounds are used. Precision Extruded in White Styrene Plastic. Ideal for all facets of scratch model building.



HALF-ROUND

CODE	ACTUAL SIZE			
	O.D.		'H'	
MRH-30	.030	0.8mm	.015	0.4mm
MRH-40	.040	1.0mm	.020	0.5mm
MRH-60	.060	1.5mm	.030	0.8mm
MRH-80	.080	2.0mm	.040	1.0mm
MRH-100	.100	2.5mm	.050	1.3mm
MRH-125	1/8"	3.2mm	1/16"	1.6mm
MRH-160	5/32"	4.0mm	5/64"	2.0mm
MRH-190	3/16"	4.8mm	3/32"	2.4mm
MRH-250	1/4"	6.4mm	1/8"	3.2mm

NOTE: 10" (250mm) Length.



QUARTER-ROUND

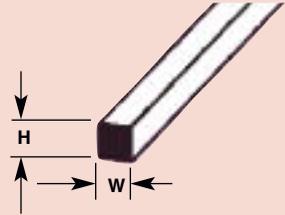
CODE	ACTUAL SIZE			
	'H'		'W'	
MRQ-30	.030	0.8mm	.030	0.8mm
MRQ-40	.040	1.0mm	.040	1.0mm
MRQ-60	.060	1.5mm	.060	1.5mm
MRQ-80	.080	2.0mm	.080	2.0mm
MRQ-100	.100	2.5mm	.100	2.5mm
MRQ-125	1/8"	3.2mm	1/8"	3.2mm

NOTE: 10" (250mm) Length.

STRIP & ROD

SOLID STYRENE SQUARE ROD

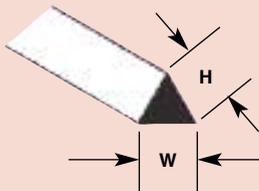
Use for bracing and strapping, or for steel and wood members in all forms of structures. Precision Extruded in White Styrene Plastic. Ideal for all facets of scratch model building.



CODE	ACTUAL	
	'H' & 'W'	
MS-10	.010	0.3mm
MS-20	.020	0.5mm
MS-30	.030	0.8mm
MS-40	.040	1.0mm
MS-60	.060	1.5mm
MS-80	.080	2.0mm
MS-100	.100	2.5mm
MS-125	1/8"	3.2mm
MS-160	5/32"	4.0mm
MS-190	3/16"	4.8mm
MS-250	1/4"	6.4mm

NOTE: 10" (250mm) Length.

SOLID STYRENE TRIANGULAR ROD



Use for bracing and strapping, or for steel and wood members in all forms of structures. Precision Extruded in White Styrene Plastic. Ideal for all facets of scratch model building.

CODE	ACTUAL	
	'H' & 'W'	
MRT-30	.030	0.8mm
MRT-40	.040	1.0mm
MRT-60	.060	1.5mm
MRT-80	.080	2.0mm
MRT-100	.100	2.5mm
MRT-125	1/8"	3.2mm

NOTE: 10" (250mm) Length.

SOLID STYRENE PENTAGON & HEXAGON ROD

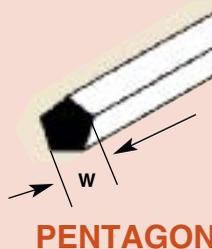
Cut into short lengths and use for bolt heads in all forms of steel assembly, including bridges, vehicles, etc. Also good for steel and wood column members in all forms of commercial and residential structures. Precision Extruded in White Styrene Plastic. Ideal for all facets of scratch model building.



HEXAGON

CODE	ACTUAL	
	'W'	
MRP-20	.020	0.5mm
MRP-30	.030	0.8mm
MRP-40	.040	1.0mm
MRP-50	.050	1.3mm
MRP-60	.060	1.5mm

NOTE: 10" (250mm) Length.

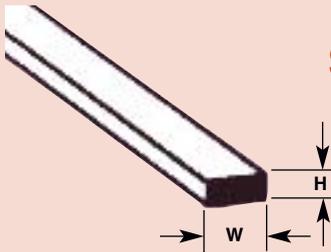


PENTAGON

CODE	ACTUAL	
	'W'	
MRX-20	.020	0.5mm
MRX-30	.030	0.8mm
MRX-40	.040	1.0mm
MRX-60	.060	1.5mm
MRX-80	.080	2.0mm
MRX-100	.100	2.5mm
MRX-125	1/8"	3.2mm

NOTE: 10" (250mm) Length.

SOLID STYRENE RECTANGULAR STRIP



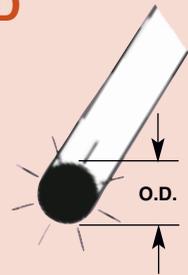
Use for bracing and strapping, or for steel and wood members in all forms of structures. Precision Extruded in White Styrene Plastic. Ideal for all facets of scratch model building.

CODE	ACTUAL SIZE			
	'H'		'W'	
MS-102	.010	0.3mm	.020	0.5mm
MS-103	.010	0.3mm	.030	0.8mm
MS-104	.010	0.3mm	.040	1.0mm
MS-106	.010	0.3mm	.060	1.5mm
MS-108	.010	0.3mm	.080	2.0mm
MS-110	.010	0.3mm	.100	2.5mm
MS-112	.010	0.3mm	1/8"	3.2mm
MS-116	.010	0.3mm	5/32"	4.0mm
MS-119	.010	0.3mm	3/16"	4.8mm
MS-122	.010	0.3mm	1/4"	6.4mm
MS-203	.020	0.5mm	.030	0.8mm
MS-204	.020	0.5mm	.040	1.0mm
MS-206	.020	0.5mm	.060	1.5mm
MS-208	.020	0.5mm	.080	2.0mm
MS-210	.020	0.5mm	.100	2.5mm
MS-212	.020	0.5mm	1/8"	3.2mm
MS-216	.020	0.5mm	5/32"	4.0mm
MS-219	.020	0.5mm	3/16"	4.8mm
MS-225	.020	0.5mm	1/4"	6.4mm
MS-304	.030	0.8mm	.040	1.0mm
MS-306	.030	0.8mm	.060	1.5mm
MS-308	.030	0.8mm	.080	2.0mm
MS-310	.030	0.8mm	.100	2.5mm
MS-312	.030	0.8mm	1/8"	3.2mm
MS-316	.030	0.8mm	5/32"	4.0mm
MS-319	.030	0.8mm	3/16"	4.8mm
MS-325	.030	0.8mm	1/4"	6.4mm
MS-406	.040	1.0mm	.060	1.5mm
MS-408	.040	1.0mm	.080	2.0mm
MS-410	.040	1.0mm	.100	2.5mm
MS-412	.040	1.0mm	1/8"	3.2mm
MS-416	.040	1.0mm	5/32"	4.0mm
MS-419	.040	1.0mm	3/16"	4.8mm
MS-425	.040	1.0mm	1/4"	6.4mm
MS-608	.060	1.5mm	.080	2.0mm
MS-610	.060	1.5mm	.100	2.5mm
MS-612	.060	1.5mm	1/8"	3.2mm
MS-616	.060	1.5mm	5/32"	4.0mm
MS-619	.060	1.5mm	3/16"	4.8mm
MS-625	.060	1.5mm	1/4"	6.4mm
MS-810	.080	2.0mm	.100	2.5mm
MS-812	.080	2.0mm	1/8"	3.2mm
MS-816	.080	2.0mm	5/32"	4.0mm
MS-819	.080	2.0mm	3/16"	4.8mm
MS-825	.080	2.0mm	1/4"	6.4mm
MS-1012	.100	2.5mm	1/8"	3.2mm
MS-1016	.100	2.5mm	5/32"	4.0mm
MS-1019	.100	2.5mm	3/16"	4.8mm
MS-1025	.100	2.5mm	1/4"	6.4mm
MS-1216	1/8"	3.2mm	5/32"	4.0mm
MS-1219	1/8"	3.2mm	3/16"	4.8mm
MS-1225	1/8"	3.2mm	1/4"	6.4mm
MS-1619	5/32"	4.0mm	3/16"	4.8mm
MS-1625	5/32"	4.0mm	1/4"	6.4mm
MS-1925	3/16"	4.8mm	1/4"	6.4mm

NOTE: 10" (250mm) Length.

SOLID FLUORESCENT ACRYLIC ROUND ROD

A unique additive in the Acrylic actually gathers light from the sides of the rod and emits it from the ends. Originally developed for education, creative modelers are finding many other uses, including switch lights, auto tail lights, candles and neon signage. New Acrylic formula allows flexibility on 1/8" (3.2mm) and smaller size rods not known to Acrylic Plastics. Precision Extruded in Blue, Green, Red and Yellow Fluorescent Colored Acrylic Plastic.



CODE	ACTUAL		COLOR
	O.D.		
FARB-2	1/16"	1.6mm	Blue
FARB-3	3/32"	2.4mm	Blue
FARB-4	1/8"	3.2mm	Blue
FARB-5	5/32"	4.0mm	Blue
FARB-8	1/4"	6.4mm	Blue
FARB-12	3/8"	9.5mm	Blue
FARG-2	1/16"	1.6mm	Green
FARG-3	3/32"	2.4mm	Green
FARG-4	1/8"	3.2mm	Green
FARG-5	5/32"	4.0mm	Green
FARG-8	1/4"	6.4mm	Green
FARG-12	3/8"	9.5mm	Green
FARR-2	1/16"	1.6mm	Red
FARR-3	3/32"	2.4mm	Red
FARR-4	1/8"	3.2mm	Red
FARR-5	5/32"	4.0mm	Red
FARR-8	1/4"	6.4mm	Red
FARR-12	3/8"	9.5mm	Red
FARY-2	1/16"	1.6mm	Yellow
FARY-3	3/32"	2.4mm	Yellow
FARY-4	1/8"	3.2mm	Yellow
FARY-5	5/32"	4.0mm	Yellow
FARY-8	1/4"	6.4mm	Yellow
FARY-12	3/8"	9.5mm	Yellow

NOTE: 20" (500mm) Length.

Sizes 2,3,4 & 5 are also available at half the shown length for half the listed price. Just add 'H' to the end of the Product Code.

Example: FARR-4H

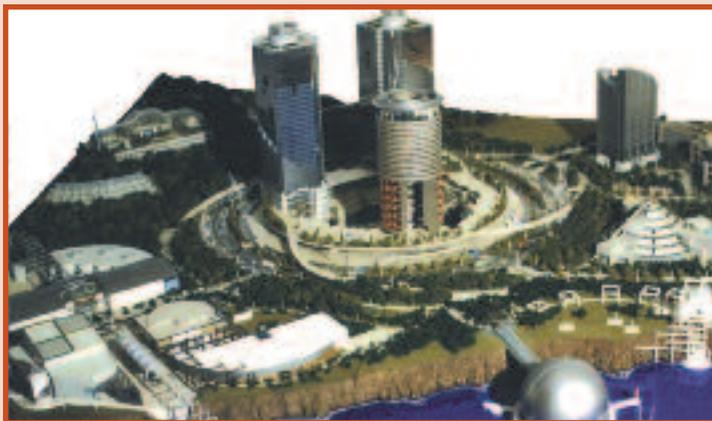
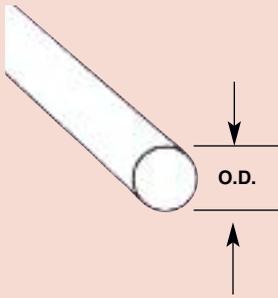


Photo courtesy of JEMA Corp, Shinagawaku, Tokyo, Japan

TIP:

All Acrylic Rods may be cut using a fine tooth saw blade. Cut ends should be polished using a flame or WET & DRY fine grit sand paper. Bending may be accomplished by carefully softening the Acrylic using a torch flame or electric stove burner.

SOLID CLEAR ACRYLIC ROUND ROD



Use for bracing, cabling, piping, wiring, conduit or wherever round stock is appropriate. Also quite useful and attractive in crafts and educational projects. Precision Extruded in Clear Acrylic Plastic. Ideal for all facets of scratch model building.

CODE	ACTUAL	
	O.D.	
AR-2	1/16"	1.6mm
AR-4	1/8"	3.2mm
AR-6	3/16"	4.8mm
AR-8	1/4"	6.4mm
AR-10	5/16"	7.9mm
AR-12	3/8"	9.5mm
AR-14	7/16"	11.1mm
AR-16	1/2"	12.7mm
AR-18	9/16"	14.3mm
AR-20	5/8"	15.9mm
AR-24	3/4"	19.1mm
AR-28	7/8"	22.2mm
AR-32	1"	25.4mm
AR-36	1-1/8"	28.6mm

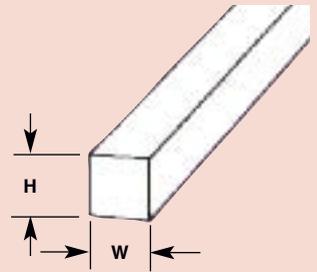
NOTE: 17-1/2" (450mm) Length.

Clear Acrylic Round Rod is also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code. Example: AR-8L

AR-2 and AR-4 are also available at half the shown length for half the listed price. Just add 'H' to the end of the Product Code. Example: AR-2H

SOLID CLEAR ACRYLIC SQUARE ROD

Use for glass columns or where clear or painted square stock is appropriate. Also quite useful and attractive in crafts and educational projects. Precision Extruded in Clear Acrylic Plastic. Ideal for all facets of scratch model building.



CODE	ACTUAL	
	'H' & 'W'	
ASR-4	1/8"	3.2mm
ASR-6	3/16"	4.8mm
ASR-8	1/4"	6.4mm
ASR-12	3/8"	9.5mm
ASR-16	1/2"	12.7mm
ASR-20	5/8"	15.9mm
ASR-24	3/4"	19.1mm
ASR-32	1"	25.4mm

NOTE: 17-1/2" (450mm) Length.

Clear Acrylic Square Rod is also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code. Example: ASR-20L



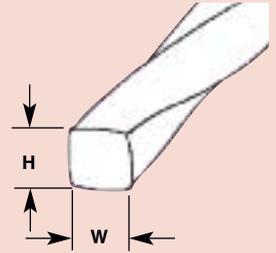
IN A HURRY?

Call our Toll Free 800 Order Line and pay by VISA/MasterCard. (800) 666-7015 8:00 am-2:00 pm Pacific Time.

STRIP & ROD

SOLID CLEAR ACRYLIC SPIRAL ROD

Use for glass columns or where clear or painted spiral stock is appropriate. Also quite useful and attractive in crafts and educational projects. Precision Extruded in Clear Acrylic Plastic.

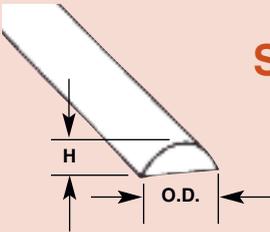


CODE	ACTUAL	
	'H' & 'W'	
ASSR-12	3/8"	9.5mm
ASSR-16	1/2"	12.7mm
ASSR-20	5/8"	15.9mm
ASSR-24	3/4"	19.1mm
ASSR-32	1"	25.4mm

NOTE: 17-1/2" (450mm) Length.

Clear Acrylic Spiral Rod is also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code.

Example: ASSR-20L



SOLID CLEAR ACRYLIC HALF-ROUND ROD

Use for the top housing unit of corrugated roll-up doors, molding, building trim, or in crafts and educational projects. Precision Extruded in Clear Acrylic Plastic.

CODE	ACTUAL SIZE			
	O.D.		'H'	
AHR-16	1/2"	12.7mm	1/4"	6.4mm
AHR-20	5/8"	15.9mm	5/16"	7.9mm
AHR-24	3/4"	19.1mm	3/8"	9.5mm
AHR-32	1"	25.4mm	1/2"	12.7mm

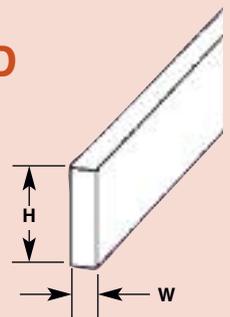
NOTE: 17-1/2" (450mm) Length.

Clear Acrylic Half-Round Rod is also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code.

Example: AHR-20L

SOLID CLEAR ACRYLIC RECTANGULAR ROD

Use for glass columns or where clear or painted rectangular stock is appropriate. Also quite useful and attractive in crafts and educational projects. Precision Extruded in Clear Acrylic Plastic.



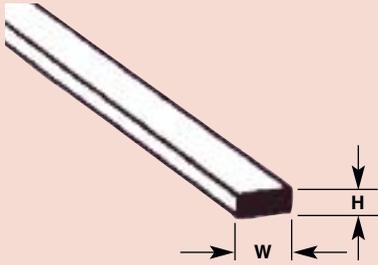
CODE	ACTUAL SIZE			
	'H'		'W'	
ARR-5	5/8"	15.9mm	1/8"	3.2mm
ARR-7	3/4"	19.1mm	3/16"	4.8mm
ARR-8	1/2"	12.7mm	1/4"	6.4mm
ARR-9	1"	25.4mm	1/4"	6.4mm
ARR-23	1"	25.4mm	3/4"	19.1mm

NOTE: 17-1/2" (450mm) Length.

Clear Acrylic Rectangular Rod is also available at double the shown length for twice the listed price. Just add 'L' to the end of the Product Code.

Example: ARR-9L

MIDWEST BASSWOOD STRIPS



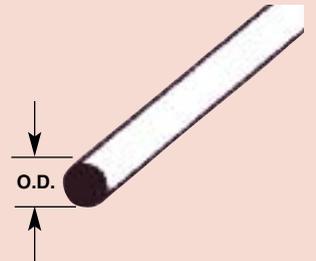
Basswood Strips possess a close, tight, homogeneous grain structure, making it ideal for a wide variety of hobby, craft and architectural scratch model projects. Precision cutting provides consistent, high quality strips at economic prices. Preferred by most hobbyists because of its workability and finishing quality.

CODE	ACTUAL SIZE			
	'H'		'W'	
BASS-136	.040	1.0mm	3"	75.0mm
BASS-148	.040	1.0mm	4"	100.0mm
BASS-22	1/16"	1.6mm	1/16"	1.6mm
BASS-24	1/16"	1.6mm	1/8"	3.2mm
BASS-28	1/16"	1.6mm	1/4"	6.4mm
BASS-236	1/16"	1.6mm	3"	75.0mm
BASS-248	1/16"	1.6mm	4"	100.0mm
BASS-33	3/32"	2.4mm	3/32"	2.4mm
BASS-336	3/32"	2.4mm	3"	75.0mm
BASS-348	3/32"	2.4mm	4"	100.0mm
BASS-44	1/8"	3.2mm	1/8"	3.2mm
BASS-48	1/8"	3.2mm	1/4"	6.4mm
BASS-436	1/8"	3.2mm	3"	75.0mm
BASS-448	1/8"	3.2mm	4"	100.0mm
BASS-66	3/16"	4.8mm	3/16"	4.8mm
BASS-636	3/16"	4.8mm	3"	75.0mm
BASS-648	3/16"	4.8mm	4"	100.0mm
BASS-88	1/4"	6.4mm	1/4"	6.4mm
BASS-816	1/4"	6.4mm	1/2"	12.7mm
BASS-836	1/4"	6.4mm	3"	75.0mm
BASS-848	1/4"	6.4mm	4"	100.0mm
BASS-1212	3/8"	9.5mm	3/8"	9.5mm
BASS-1236	3/8"	9.5mm	3"	75.0mm
BASS-1616	1/2"	12.7mm	1/2"	12.7mm

NOTE: 24" (600mm) Length.

MIDWEST HARDWOOD DOWELS

Hardwood Dowels, ideal for a wide variety of hobby, craft and architectural scratch model projects. Also very useful for numerous home and work projects. Precision cut.

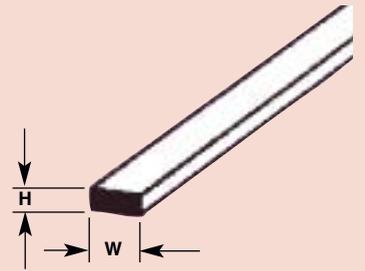


CODE	ACTUAL	
	O.D.	
BAR-2	1/16"	1.6mm
BAR-4	1/8"	3.2mm
BAR-6	3/16"	4.8mm
BAR-8	1/4"	6.4mm
BAR-10	5/16"	7.9mm
BAR-12	3/8"	9.5mm
BAR-16	1/2"	12.7mm
BAR-20	5/8"	15.9mm
BAR-24	3/4"	19.1mm
BAR-32	1"	25.4mm

NOTE: 36" (900mm) Length, except BAR-2 which is 12" (300mm).

MIDWEST BALSAWOOD STRIPS

Balsawood Strips are a light wood possessing a high strength-to-weight ratio, making it the premier wood for hobby and craft model projects. Precision cutting provides consistent, high quality strips at economic prices.



CODE	ACTUAL SIZE			
	'H'		'W'	
BALSA-22	1/16"	1.6mm	1/16"	1.6mm
BALSA-24	1/16"	1.6mm	1/8"	3.2mm
BALSA-28	1/16"	1.6mm	1/4"	6.4mm
BALSA-236	1/16"	1.6mm	3"	75.0mm
BALSA-248	1/16"	1.6mm	4"	100.0mm
BALSA-33	3/32"	2.4mm	3/32"	2.4mm
BALSA-336	3/32"	2.4mm	3"	75.0mm
BALSA-348	3/32"	2.4mm	4"	100.0mm
BALSA-44	1/8"	3.2mm	1/8"	3.2mm
BALSA-48	1/8"	3.2mm	1/4"	6.4mm
BALSA-412	1/8"	3.2mm	3/8"	9.5mm
BALSA-416	1/8"	3.2mm	1/2"	12.7mm
BALSA-436	1/8"	3.2mm	3"	75.0mm
BALSA-448	1/8"	3.2mm	4"	100.0mm
BALSA-66	3/16"	4.8mm	3/16"	4.8mm
BALSA-612	3/16"	4.8mm	3/8"	9.5mm
BALSA-636	3/16"	4.8mm	3"	75.0mm
BALSA-648	3/16"	4.8mm	4"	100.0mm
BALSA-88	1/4"	6.4mm	1/4"	6.4mm
BALSA-816	1/4"	6.4mm	1/2"	12.7mm
BALSA-836	1/4"	6.4mm	3"	75.0mm
BALSA-848	1/4"	6.4mm	4"	100.0mm
BALSA-1212	3/8"	9.5mm	3/8"	9.5mm
BALSA-1616	1/2"	12.7mm	1/2"	12.7mm

NOTE: 36" (900mm) Length.

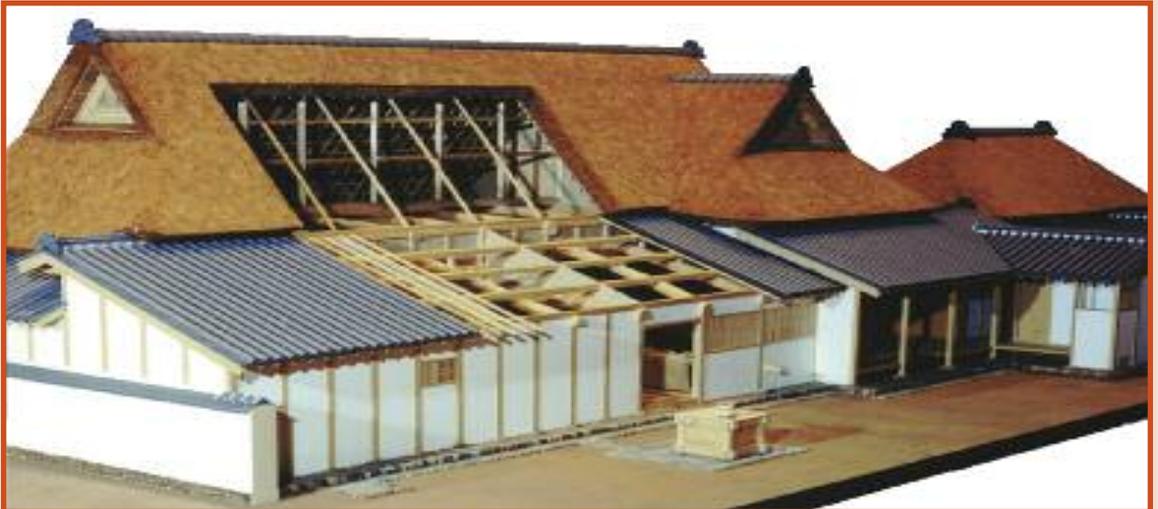
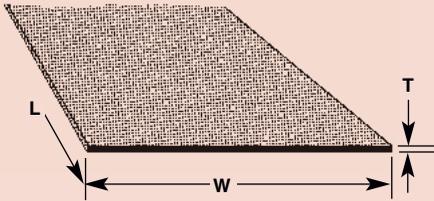


Photo courtesy of PLASTRUCT Japan, Tokyo, Japan

TIP:

Wood structures are most commonly found along older and rural railroads. Modeling with wood is easy, and more preferable to plastic among many seasoned railroaders. There is no better way to achieve wood grain than by using wood. However, wood does have its disadvantages. While wood accepts most "white" glues, it takes much longer than plastic for the glued joints to set (usually a minimum of 20 minutes) and dry. Most woods have a "fuzz" that should be lightly sanded unless a rough finish is desired. Wood accepts most paints, but should first be primed. Sanding is suggested after a primer or first coat is applied. Wood can easily be stained and weathered using Minwax. Because stains will quickly be absorbed in wood, care should be taken to not over-soak wood sheets so that they do not warp. Cutting wood can be accomplished with most common hobby tools, including a hobby saw or knife.

PLAIN & PATTERNED SHEET



GRAY ABS PLAIN SHEET

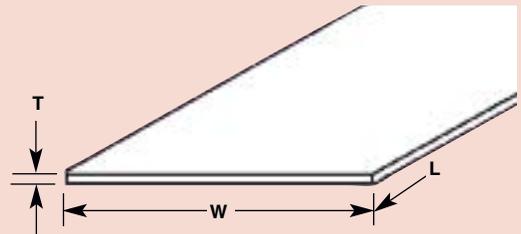
Possibly the most commonly used and preferred plastic sheet. Readily bonds to most plastics with solvent cements. Extremely strong, impact resistant and rigid, yet cuts with a sheet cutter or saw. Tougher than Styrene. Precision Extruded in Medium Gray ABS Plastic.

CODE	ACTUAL SIZE					
	'T'		'W'		'L'	
SSA-101	.010	0.3mm	7"	175mm	12"	300mm
SSA-10124	.010	0.3mm	12"	300mm	24"	600mm
SSA-10136	.010	0.3mm	12"	300mm	36"	900mm
SSA-102	.020	0.5mm	7"	175mm	12"	300mm
SSA-10224	.020	0.5mm	12"	300mm	24"	600mm
SSA-10236	.020	0.5mm	12"	300mm	36"	900mm
SSA-103	.030	0.8mm	7"	175mm	12"	300mm
SSA-10324	.030	0.8mm	12"	300mm	24"	600mm
SSA-10336	.030	0.8mm	12"	300mm	36"	900mm
SSA-104	.040	1.0mm	7"	175mm	12"	300mm
SSA-10424	.040	1.0mm	12"	300mm	24"	600mm
SSA-10436	.040	1.0mm	12"	300mm	36"	900mm
SSA-106	.060	1.5mm	7"	175mm	12"	300mm
SSA-10624	.060	1.5mm	12"	300mm	24"	600mm
SSA-10636	.060	1.5mm	12"	300mm	36"	900mm
SSA-108	.080	2.0mm	7"	175mm	12"	300mm
SSA-10824	.080	2.0mm	12"	300mm	24"	600mm
SSA-10836	.080	2.0mm	12"	300mm	36"	900mm
SSA-110	.100	2.5mm	7"	175mm	12"	300mm
SSA-11024	.100	2.5mm	12"	300mm	24"	600mm
SSA-11036	.100	2.5mm	12"	300mm	36"	900mm
SSA-125	.125	3.2mm	7"	175mm	12"	300mm
SSA-12524	.125	3.2mm	12"	300mm	24"	600mm
SSA-12536	.125	3.2mm	12"	300mm	36"	900mm

CLEAR COPOLYESTER SHEET

An excellent clear plastic with many uses. Copolyester is tougher and less prone to split or shatter than Acrylic or Styrene, and is resistant to stress whitening. Can be cut with scissors, knife or sawn without burning. Glues well to itself, but when gluing to most other plastics an industrial grade Cyanoacrylate Glue is recommended. Precision Extruded.

Additional Clear Sheet may be found later in this Catalog.



CODE	ACTUAL SIZE					
	'T'		'W'		'L'	
SSC-103	.030	0.8mm	7"	175mm	12"	300mm
SSC-10324	.030	0.8mm	12"	300mm	24"	600mm
SSC-10336	.030	0.8mm	12"	300mm	36"	900mm
SSC-104	.040	1.0mm	7"	175mm	12"	300mm
SSC-10424	.040	1.0mm	12"	300mm	24"	600mm
SSC-10436	.040	1.0mm	12"	300mm	36"	900mm
SSC-106	.060	1.5mm	7"	175mm	12"	300mm
SSC-10624	.060	1.5mm	12"	300mm	24"	600mm
SSC-10636	.060	1.5mm	12"	300mm	36"	900mm



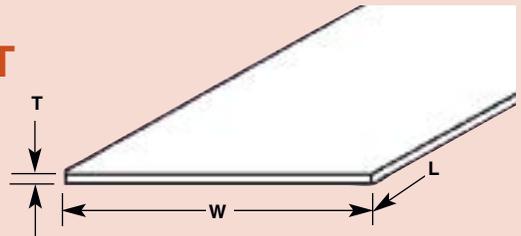
IN A HURRY?

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PLAIN & PATTERNED SHEET

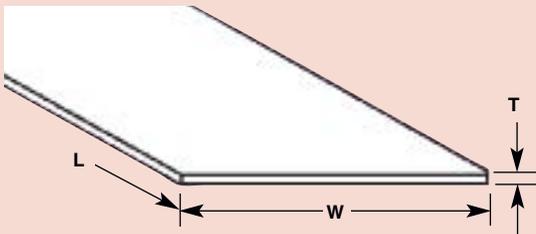
WHITE STYRENE PLAIN SHEET

Hi-Impact PolyStyrene Sheet is now the second most commonly used material for general modelmaking. Thin sheets may be cut by scoring with a knife, while thicker sheets should be cut with a sheet cutter. Accurately Extruded in White Styrene Plastic.



CODE	ACTUAL SIZE					
	'T'		'W'		'L'	
SSS-101	.010	0.3mm	7"	175mm	12"	300mm
SSS-10124	.010	0.3mm	12"	300mm	24"	600mm
SSS-10136	.010	0.3mm	12"	300mm	36"	900mm
SSS-102	.020	0.5mm	7"	175mm	12"	300mm
SSS-10224	.020	0.5mm	12"	300mm	24"	600mm
SSS-10236	.020	0.5mm	12"	300mm	36"	900mm
SSS-103	.030	0.8mm	7"	175mm	12"	300mm
SSS-10324	.030	0.8mm	12"	300mm	24"	600mm
SSS-10336	.030	0.8mm	12"	300mm	36"	900mm
SSS-104	.040	1.0mm	7"	175mm	12"	300mm
SSS-10424	.040	1.0mm	12"	300mm	24"	600mm
SSS-10436	.040	1.0mm	12"	300mm	36"	900mm
SSS-106	.060	1.5mm	7"	175mm	12"	300mm
SSS-10624	.060	1.5mm	12"	300mm	24"	600mm
SSS-10636	.060	1.5mm	12"	300mm	36"	900mm
SSS-108	.080	2.0mm	7"	175mm	12"	300mm
SSS-10824	.080	2.0mm	12"	300mm	24"	600mm
SSS-10836	.080	2.0mm	12"	300mm	36"	900mm
SSS-110	.100	2.5mm	7"	175mm	12"	300mm
SSS-11024	.100	2.5mm	12"	300mm	24"	600mm
SSS-11036	.100	2.5mm	12"	300mm	36"	900mm
SSS-125	.125	3.2mm	7"	175mm	12"	300mm
SSS-12524	.125	3.2mm	12"	300mm	24"	600mm
SSS-12536	.125	3.2mm	12"	300mm	36"	900mm

CLEAR ACRYLIC, BUTYRATE & STYRENE SHEET



Three excellent clear plastics with many uses. Butyrate is tougher and less prone to split or shatter than Acrylic or Styrene, and is resistant to stress whitening. Acrylic is better for rigid applications, and Styrene is ideal where thinness is important. All glue well to themselves, or to most other plastics with common solvent cements. Precision Extruded. **Additional Clear Sheet may be found on facing page and later in this Catalog.**

CODE	ACTUAL SIZE						MATERIAL
	'T'		'W'		'L'		
SSM-101	.010	0.3mm	7"	175mm	12"	300mm	Styrene
SSM-106	.060	1.5mm	7"	175mm	12"	300mm	Acrylic
SSM-10612	.060	1.5mm	12"	300mm	12"	300mm	Acrylic

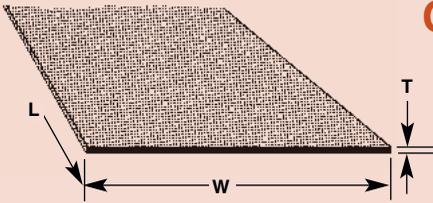


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PLAIN & PATTERNED SHEET

COLORED STYRENE PLAIN SHEET

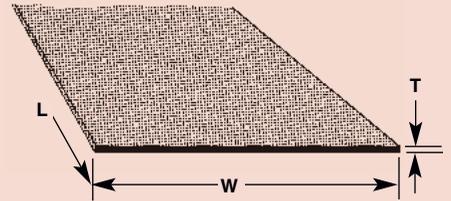


Hi-Impact PolyStyrene Sheet Precision Extruded in the three colors commonly used for our Patterned Sheets. Great for fill-in when using our Plastic Patterned Sheets. Precision Extruded.

CODE	ACTUAL SIZE						COLOR
	'T'		'W'		'L'		
SSS-203	.020	0.5mm	7"	175mm	12"	300mm	Red Clay
SSS-20324	.020	0.5mm	7"	175mm	24"	600mm	Red Clay
SSS-303	.020	0.5mm	7"	175mm	12"	300mm	Beige
SSS-30324	.020	0.5mm	7"	175mm	24"	600mm	Beige

TINTED MIRROR SHEET

Use for interiors in G scale and dollhouse models, or for backgrounds in static model display cases, or to represent tinted glass in modern skyscraper/office buildings. Bonds and cuts like Styrene. The Polyester laminate will not peel when thin strips are cut.



CODE	ACTUAL SIZE						COLOR
	'T'		'W'		'L'		
MPSS-2	.040	1.0mm	4"	100mm	12"	300mm	Silver
MPSS-212	.040	1.0mm	12"	300mm	12"	300mm	Silver
MPSS-224	.040	1.0mm	12"	300mm	24"	600mm	Silver
MPSS-236	.040	1.0mm	12"	300mm	36"	900mm	Silver
MPSS-3	.040	1.0mm	4"	100mm	12"	300mm	Bronze
MPSS-312	.040	1.0mm	12"	300mm	12"	300mm	Bronze
MPSS-324	.040	1.0mm	12"	300mm	24"	600mm	Bronze
MPSS-336	.040	1.0mm	12"	300mm	36"	900mm	Bronze
MPSS-4	.040	1.0mm	4"	100mm	12"	300mm	Gold
MPSS-412	.040	1.0mm	12"	300mm	12"	300mm	Gold
MPSS-424	.040	1.0mm	12"	300mm	24"	600mm	Gold
MPSS-436	.040	1.0mm	12"	300mm	36"	900mm	Gold
MPSS-5	.040	1.0mm	4"	100mm	12"	300mm	Copper
MPSS-512	.040	1.0mm	12"	300mm	12"	300mm	Copper
MPSS-524	.040	1.0mm	12"	300mm	24"	600mm	Copper
MPSS-536	.040	1.0mm	12"	300mm	36"	900mm	Copper
MPSS-6	.040	1.0mm	4"	100mm	12"	300mm	Smoke Gray
MPSS-612	.040	1.0mm	12"	300mm	12"	300mm	Smoke Gray
MPSS-624	.040	1.0mm	12"	300mm	24"	600mm	Smoke Gray
MPSS-636	.040	1.0mm	12"	300mm	36"	900mm	Smoke Gray
MPSS-8	.040	1.0mm	4"	100mm	12"	300mm	Blue
MPSS-812	.040	1.0mm	12"	300mm	12"	300mm	Blue
MPSS-824	.040	1.0mm	12"	300mm	24"	600mm	Blue
MPSS-836	.040	1.0mm	12"	300mm	36"	900mm	Blue

WORKING WITH PLASTIC PATTERNED SHEET

INTRODUCTION

Professional model makers have used plastics as virtually their sole working material for the past 30 years. However, hobbyists, miniaturists and amateur model builders have, for the most part, continued to use wood, card and brass for their models. There are, of course, applications where those materials are suitable or desirable. But in most cases, PLASTRUCT should be your material of choice.

Time, care and skill are needed to get top results. Plastic usually allows easier and faster construction and creates better models. It is recommended to experiment with these techniques on some scrap pieces before committing to a scratch project. These tips are intended to get you on the right track. Your imagination and ingenuity will find many variations on the use and ways to finish PLASTRUCT Plastic Patterned Sheets.

CUTTING & FABRICATING

Basic construction of building shells is usually of a rigid material such as Acrylic, Styrene, Foamboard or plywood. PLASTRUCT Plastic Patterned Sheets can then be applied to create realistic simulated finishes.

These plastic sheets are easily cut with a hobby knife or scissors. For sheet application to a substrate surface, a general purpose spray adhesive or our GES-2 Silicone Adhesive is recommended. In some cases, our PLASTRUCT Plastic Weld or Bondene Cements are preferable, however, caution must be taken to ensure proper application; too much solvent cement may melt the plastic sheet. To remove solvent stains from Styrene sheets, use a Pink Pearl eraser or fine steel wool.

When surfaces larger than a single sheet are to be covered, in most cases, the patterns are designed to allow easy and undetected joining of multiple sheets.

FINISHING & PAINTING

When working with plastics, it is sometimes necessary to fill holes, cracks or joints. For small holes or cracks, any spot putty will work nicely. For larger holes or to create stucco or mortar, we recommend using Spackle or a suitable replacement.

Plastic Patterned Sheet materials representing brick, block, stone, etc. are usually furnished in a color suitable to common applications or effects. To get realistic mortar effects for joints, use a medium to dark concrete gray color flat finish paint of alkyd oil, latex or acrylic base. We recommend Delta or Tamiya (do not use lacquers). Using tissue or a paper towel, wipe the paint into the grooves with a circular motion. With a clean tissue, wipe the excess from the surface while the paint is still wet. If multiple wipings are necessary, take care to not remove paint from the grooves. A slight paint film should be left to soften the shiny surface of the Plastic Patterned Sheet. However, if you want to remove this film it is easily accomplished using steel wool or 220 grit garnet paper.

For variegated brick, paving or stone, the above procedure followed by individual brick or rock application of varied tones of the original color provide realistic results. Further texturing may be achieved by lightly spraying a similar color over the length of the sheet approximately 20 inches above the surface. This spray procedure is also quite effective on roof shingles and on plain surfaces where an aggregate look is desired.

Plastic Patterned Sheets in clear square tile are designed for ceramic tile. It is recommended these be painted on the reverse side to keep the high gloss appearance. If speckling is desired, first spray a light mist approximately 20 inches above the sheet. Or, another way to accomplish this is to dip a toothbrush into the desired speckling paint and then, holding the toothbrush approximately 20 inches above the sheet, run your thumb over the surface of the brush. Note, you should leave most of the surface unpainted. Allow to dry, then apply the main color either with a brush or spray. Fill the tile grooves with "grout" by wiping a suitable colored paint over the top surface of the sheet as described above. Or, you may simply draw in the "grouting" with a permanent waterproof marker.

When applying a wash color over the sheet, a No. 10 or larger camel hair brush is recommended. When painting individual bricks, use a No. 0 square tip brush. Individual stones should be painted with a No. 4 brush.

SPECIAL USES

We have found that many of our Plastic Patterned Sheets can be used for hard-to-find or unusual applications. For your assistance, we provide a few below:

The reverse side of our PS-13, 16 and 19 can be used for large wood planking.

PS-25, 26 and 27 make excellent road and highway guardrails when cut into strips and mounted on square posts.

PSC-40 through 46 make great glass blocks for glass block walls.

PS-47 through 59 make excellent industrial vents when modified by adding Styrene Strips to every other slat. They can also be used as window awnings.

PS-145 works nicely as frosted glass for bathroom windows or shower stall glass.

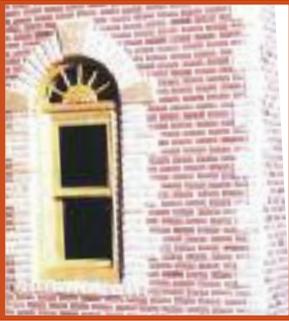
PS-23 is another excellent method for shower stall glass.

FINALLY

The following photographs of **FINISHED** Patterned Sheets demonstrate what is possible with a little time and experience.

TIP: To represent building elevations (floors) or glass panels on glass skyscrapers, scribe the front side (reflective side) of Mirrored Sheet with a hobby knife using a straightedge. Trace the grooves with an ink pen or bullet-tipped marker of the appropriate color until the desired effect is achieved.

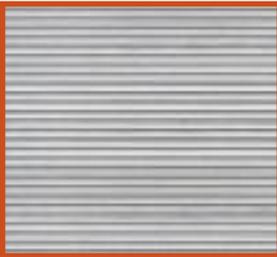
PLASTIC PATTERNED SHEET



BRICK DOOR, WINDOW
& CORNER RELIEFS
DOLLHOUSE (1:12) SCALE
CODE: PS-89
24" x 7" (RED)
(Window & Frame not included)

The World's most comprehensive range of Plastic Patterned Sheet for every aspect of architectural and hobby modeling. Roofing, flooring, siding, rockwork, metalwork, walls and water in all the popular scales. In most cases, the pattern design allows easy and invisible joints where large areas are modeled. Accurately Vacuum Formed in .020 (0.5mm) in grey, white or beige Styrene or clear Copolyester sheet. The listed scales are only suggestions as many patterns have no definitive size.

The following photographs provide a full-scale (actual size) image of the pattern, and all patterns are shown in their horizontal view. When reading sheet sizes, the first dimension is the horizontal (width) and the second is the vertical, or height.



CORRUGATED SIDING
N (1:200) SCALE
CODE: PS-10
12" x 7" (300mm x 175mm)
(WHITE)



CORRUGATED SIDING
HO (1:100) SCALE
CODE: PS-11
12" x 7" (300mm x 175mm)
(WHITE)



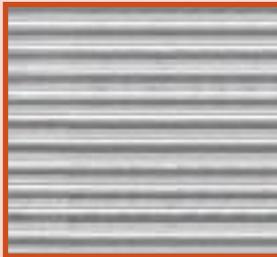
RIBBED ROOF/CORRUGATED
HO (1:100) SCALE
CODE: PS-13
12" x 7" (300mm x 175mm)
(BEIGE)



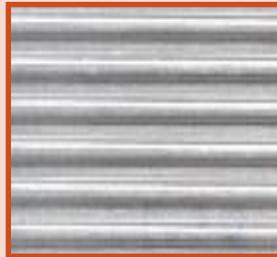
RIBBED ROOF/CORRUGATED
O (1:48) SCALE
CODE: PS-16 ③
12" x 7" (300mm x 175mm)
(BEIGE / CLEAR)



RIBBED ROOF/CORRUGATED
G (1:24) SCALE
CODE: PS-19
12" x 7" (300mm x 175mm)
(BEIGE)



CORRUGATED SIDING
O (1:48) SCALE
CODE: PS-24
12" x 7" (300mm x 175mm)
(GRAY)



CORRUGATED SIDING
#1 (1:32) SCALE
CODE: PS-25
11" x 7" (275mm x 175mm)
(WHITE)



CORRUGATED SIDING
G (1:24) SCALE
CODE: PS-26
11" x 7" (275mm x 175mm)
(WHITE)



CORRUGATED SIDING
LIVE STEAM (1:16) SCALE
CODE: PS-27
11" x 7" (275mm x 175mm)
(WHITE)



BOARD & BATTEN
DOLLHOUSE (1:12) SCALE
CODE: PS-29 ①
7" x 24" (175mm x 600mm)
(BEIGE)



WOOD PLANKING
1/64" (0.5mm)
CODE: PS-31
12" x 7" (300mm x 175mm)
(BEIGE)



WOOD PLANKING
1/16" (1.6mm)
CODE: PS-32 ②
12" x 7" (300mm x 175mm)
(BEIGE)

NOTES: The above photographs show decorated sheets. Furnished sheets are undecorated (unpainted) except where noted. Sheets furnished in Metallic (Silver) do not require additional finishing. See page 62 for decorating instructions. Illustrations show actual size of patterns (except PS-89). When reading sheet size, the first dimension will be the horizontal, or width, and the second will be the vertical, or height.

① Also available in 24" x 14" (600mm x 350mm) Sheet Size; add "XL" to end of Code, i.e. PS-29XL

② Also available in twice the Horizontal Length (22" or 24" (550mm or 600mm)) Sheet Size; add "L" to end of Code, i.e. PS-32L

③ Also available in Clear for use as Doll House Shower Glass. Code is PS-23

PLASTIC PATTERNED SHEET



WOOD PLANKING
.039 (1.0mm)
CODE: PS-33 ②
12" x 7" (300mm x 175mm)
(BEIGE)



WOOD PLANKING
.078 (2.0mm)
CODE: PS-34 ②
12" x 7" (300mm x 175mm)
(BEIGE)



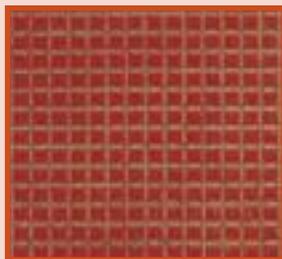
WOOD PLANKING
1/8" (3.2mm)
CODE: PS-35 ②
12" x 7" (300mm x 175mm)
(BEIGE)



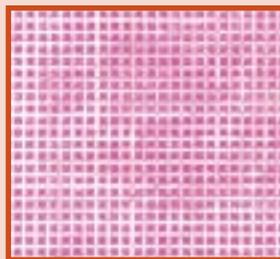
WOOD PLANKING
5/32" (4.0mm)
CODE: PS-37 ②
12" x 7" (300mm x 175mm)
(BEIGE)



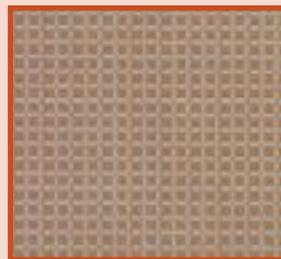
WOOD PLANKING
1/4" (6.4mm)
CODE: PS-38 ②
12" x 7" (300mm x 175mm)
(WHITE)



SQUARE TILE
1/8" (3.2mm)
CODE: PS-39 ①
12" x 7" (300mm x 175mm)
(WHITE / CLEAR / RED)



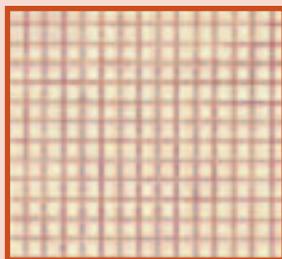
SQUARE TILE
.050 (1.3mm)
CODE: PS-40 ①
12" x 7" (300mm x 175mm)
(WHITE / RED)



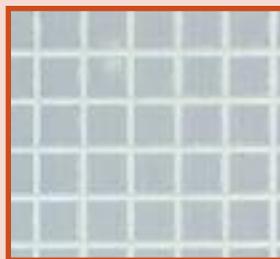
SQUARE TILE
.055 (1.4mm)
CODE: PS-41 ①
12" x 7" (300mm x 175mm)
(WHITE / CLEAR / RED)



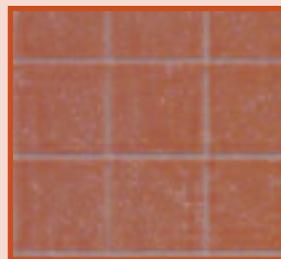
SQUARE TILE
3/16" (4.8mm)
CODE: PS-42 ①
12" x 7" (300mm x 175mm)
(WHITE / CLEAR / RED)



SQUARE TILE
5/64" (1.9mm)
CODE: PS-43 ①
12" x 7" (300mm x 175mm)
(WHITE / CLEAR / RED)



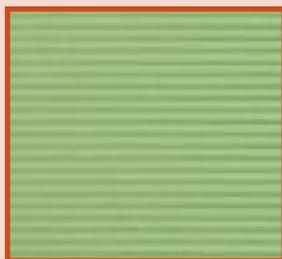
SQUARE TILE
15/64" (6.0mm)
CODE: PS-44 ①
12" x 7" (300mm x 175mm)
(WHITE / CLEAR / RED)



SQUARE TILE
1/2" (12.7mm)
CODE: PS-45 ①
12" x 7" (300mm x 175mm)
(WHITE / CLEAR / RED)



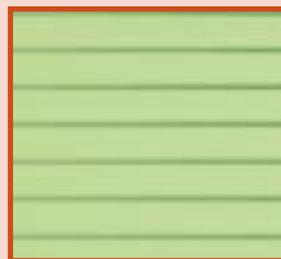
SQUARE TILE
1" (25.4mm)
CODE: PS-46 ①
12" x 7" (300mm x 175mm)
(WHITE / CLEAR / RED)



CLAPBOARD SIDING
1/16" (1.6mm)
CODE: PS-47
12" x 7" (300mm x 175mm)
(WHITE)



CLAPBOARD SIDING
1/8" (3.2mm)
CODE: PS-49
12" x 7" (300mm x 175mm)
(WHITE)



CLAPBOARD SIDING
3/16" (4.8mm)
CODE: PS-52
12" x 7" (300mm x 175mm)
(WHITE)

NOTES: The above photographs show decorated sheets. Furnished sheets are undecorated (unpainted) except where noted. See page 62 for decorating instructions. Illustrations show actual size of patterns. When reading sheet size, the first dimension will be the horizontal, or width, and the second will be the vertical, or height.

① Also available in Clear and Red Clay; add "C" to Code Prefix for Clear, and "R" for Red Clay, i.e. PSC- or PSR-

PS-40 also available in Red Clay only; add "R" to Code Prefix, i.e. PSR-

② Also available in twice the Horizontal Length (22" or 24" (550mm or 600mm)) Sheet Size; add "L" to end of Code, i.e. PS-35L

PLASTIC PATTERNED SHEET



CLAPBOARD SIDING
1/4" (6.4mm)
CODE: PS-56 ③
11" x 7" (275mm x 175mm)
(WHITE)



CLAPBOARD SIDING
3/8" (9.5mm)
CODE: PS-57 ②
24" x 7" (600mm x 175mm)
(WHITE)



CLAPBOARD SIDING
5/16" (7.9mm)
CODE: PS-59 ③
11" x 7" (275mm x 175mm)
(WHITE)



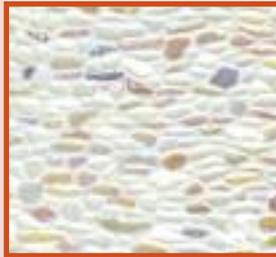
STONE WALL
(1:35) SCALE
CODE: PS-60
12" x 7" (300mm x 175mm)
(BEIGE)



RANDOM COURSED STONE
O (1:48) SCALE
CODE: PS-61
12" x 7" (300mm x 175mm)
(BEIGE)



CASTLE BLOCK
1:12 SCALE
CODE: PS-62XL
14" x 24" (350mm x 600mm)
(BEIGE)



FIELD STONE
HO (1:100) SCALE
CODE: PS-63
12" x 7" (300mm x 175mm)
(BEIGE)



RANDOM COURSED STONE
HO (1:100) SCALE
CODE: PS-64
12" x 7" (300mm x 175mm)
(BEIGE)



FIELD STONE
G (1:24) SCALE
CODE: PS-65
12" x 7" (300mm x 175mm)
(BEIGE)



FIELD STONE
O (1:48) SCALE
CODE: PS-66
12" x 7" (300mm x 175mm)
(GRAY)



RANDOM COURSED STONE
N (1:200) SCALE
CODE: PS-67
12" x 7" (300mm x 175mm)
(BEIGE)



ROCK EMBANKMENT
HO (1:100) SCALE
CODE: PS-68
12" x 7" (300mm x 175mm)
(BEIGE)



ROCK EMBANKMENT
O (1:48) SCALE
CODE: PS-69
12" x 7" (300mm x 175mm)
(BEIGE)



SMOOTH STUCCO
NO SCALE
CODE: PS-70 ②
12" x 7" (300mm x 175mm)
(WHITE)



COARSE STUCCO
NO SCALE
CODE: PS-71 ②
12" x 7" (300mm x 175mm)
(WHITE)



FIELD STONE
HO (1:100) SCALE
CODE: PS-72
12" x 7" (300mm x 175mm)
(BEIGE)

NOTES: The above photographs show decorated sheets. Furnished sheets are undecorated (unpainted) except where noted. See page 62 for decorating instructions. When reading sheet size, the first dimension will be the horizontal, or width, and the second will be the vertical, or height.

② Also available in 14" x 24" (350mm x 600mm) Sheet Size; add "XL" to end of Code, i.e. PS-71XL

③ Also available in twice the Horizontal Length (22" (550mm)) Sheet Size; add "L" to end of Code, i.e. PS-59L

PLASTIC PATTERNED SHEET



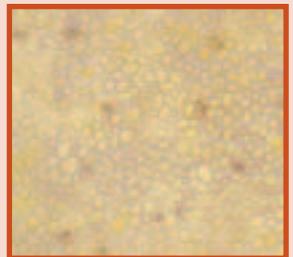
RANDOM STONE
HO (1:100) SCALE
CODE: PS-73
12" x 7" (300mm x 175mm)
(BEIGE)



RANDOM POLISHED STONE
HO (1:100) SCALE
CODE: PS-74
12" x 7" (300mm x 175mm)
(BEIGE)



FIELD STONE
DOLLHOUSE (1:12) SCALE
CODE: PS-75 ②
24" x 7" (600mm x 175mm)
(BEIGE)



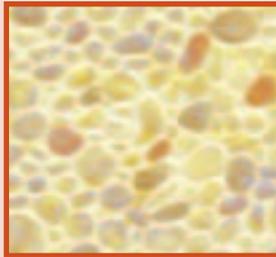
RANDOM POLISHED STONE
N (1:200) SCALE
CODE: PS-76
12" x 7" (300mm x 175mm)
(BEIGE)



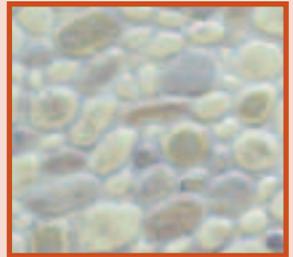
RANDOM POLISHED STONE
DOLLHOUSE (1:12) SCALE
CODE: PS-78
24" x 7" (600mm x 175mm)
(BEIGE)



DRESSED STONE/BLOCK
O (1:48) SCALE
CODE: PS-79
12" x 7" (300mm x 175mm)
(BEIGE)



RANDOM POLISHED STONE
O (1:48) SCALE
CODE: PS-80
12" x 7" (300mm x 175mm)
(BEIGE)



RANDOM POLISHED STONE
G (1:24) SCALE
CODE: PS-81 ③
12" x 7" (300mm x 175mm)
(BEIGE)



DRESSED STONE
HO (1:100) SCALE
CODE: PS-82
12" x 7" (300mm x 175mm)
(BEIGE)



ROUND FIELD STONE
DOLLHOUSE (1:12) SCALE
CODE: PS-83
12" x 7" (300mm x 175mm)
(BEIGE)



DRESSED STONE/BLOCK
DOLLHOUSE (1:12) SCALE
CODE: PS-84
24" x 7" (600mm x 175mm)
(BEIGE)



DRESSED STONE/BLOCK
G (1:24) SCALE
CODE: PS-85
12" x 7" (300mm x 175mm)
(BEIGE)



PATIO STONE
G (1:24) SCALE
CODE: PS-86
12" x 7" (300mm x 175mm)
(BEIGE)



BRICK
DOLLHOUSE (1:12) SCALE
CODE: PS-87
24" x 7" (600mm x 175mm)
(RED CLAY)



BRICK
G (1:24) SCALE
CODE: PS-90 ③
12" x 7" (300mm x 175mm)
(RED CLAY)



ROUGH BRICK
HO (1:100) SCALE
CODE: PS-91
12" x 7" (300mm x 175mm)
(RED CLAY)

NOTES: The above photographs show decorated sheets. Furnished sheets are undecorated (unpainted) except where noted. See page 62 for decorating instructions. When reading sheet size, the first dimension will be the horizontal, or width, and the second will be the vertical, or height.

② Also available in 14" x 24" (350mm x 600mm) Sheet Size; add "XL" to end of Code, i.e. PS-75XL

③ Also available in twice the Horizontal Length (24" (600mm)) Sheet Size; add "L" to end of Code, i.e. PS-90L

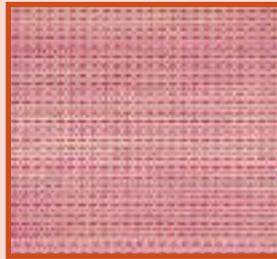
PLASTIC PATTERNED SHEET



ROUGH BRICK
O (1:48) SCALE
CODE: PS-92
12" x 7" (300mm x 175mm)
(RED CLAY)



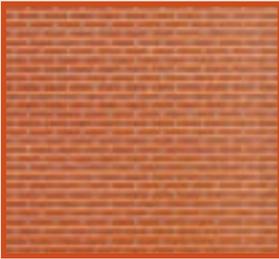
ROUGH BRICK
DOLLHOUSE (1:12) SCALE
CODE: PS-93 ①
24" x 7" (600mm x 175mm)
(RED CLAY)



BRICK
N (1:200) SCALE
CODE: PS-94
12" x 7" (300mm x 175mm)
(RED CLAY)



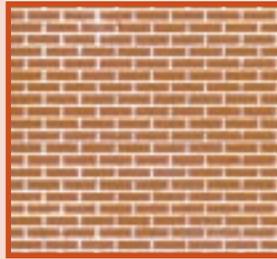
BRICK
TT (1:125) SCALE
CODE: PS-95
7" x 12" (175mm x 300mm)
(RED CLAY)



BRICK
HO (1:100) SCALE
CODE: PS-97
12" x 7" (300mm x 175mm)
(RED CLAY)



ROUGH BRICK
G (1:24) SCALE
CODE: PS-98 ②
12" x 7" (300mm x 175mm)
(RED CLAY)



BRICK
O (1:48) SCALE
CODE: PS-100
12" x 7" (300mm x 175mm)
(RED CLAY)



CEMENT BLOCK
HO (1:100) SCALE
CODE: PS-103
12" x 7" (300mm x 175mm)
(BEIGE)



CEMENT BLOCK
O (1:48) SCALE
CODE: PS-106
12" x 7" (300mm x 175mm)
(BEIGE)



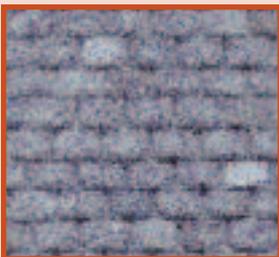
CEMENT BLOCK
DOLLHOUSE (1:12) SCALE
CODE: PS-108
24" x 7" (600mm x 175mm)
(BEIGE)



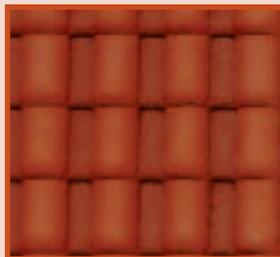
CEMENT BLOCK
G (1:24) SCALE
CODE: PS-110 ②
12" x 7" (300mm x 175mm)
(BEIGE)



ASPHALT SHINGLE
HO (1:100) SCALE
CODE: PS-112
12" x 7" (300mm x 175mm)
(GRAY)



ASPHALT SHINGLE
O (1:48) SCALE
CODE: PS-115
12" x 7" (300mm x 175mm)
(GRAY)



SPANISH TILE
G (1:24) SCALE
CODE: PS-116 ②
12" x 7" (300mm x 175mm)
(RED CLAY)



ASPHALT SHINGLE
G (1:24) SCALE
CODE: PS-117 ②
12" x 7" (300mm x 175mm)
(GRAY / BLACK)



ASPHALT SHINGLE
DOLLHOUSE (1:12) SCALE
CODE: PS-120 ①
24" x 7" (600mm x 175mm)
(GRAY)

NOTES: The above photographs show decorated sheets. Furnished sheets are undecorated (unpainted) except where noted. Sheets furnished in Black do not require additional finishing. See page 62 for decorating instructions. Illustrations show actual size of patterns. When reading sheet size, the first dimension will be the horizontal, or width, and the second will be the vertical, or height.

① Also available in 24" x 14" (600mm x 350mm) Sheet Size; add "XL" to end of Code, i.e. PS-120XL-

② Also available in twice the Horizontal Length (24" (600mm)) Sheet Size; add "L" to end of Code, i.e. PS-116L

PLASTIC PATTERNED SHEET



SPANISH TILE
O (1:48) SCALE
CODE: PS-121
12" x 7" (300mm x 175mm)
(RED CLAY)



SPANISH TILE
HO (1:100) SCALE
CODE: PS-122
12" x 7" (300mm x 175mm)
(RED CLAY)



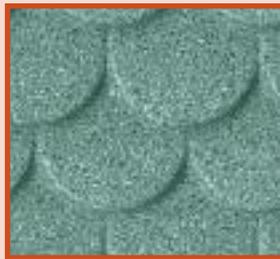
SPANISH TILE
DOLLHOUSE (1:12) SCALE
CODE: PS-123 ①
24" x 7" (600mm x 175mm)
(RED CLAY)



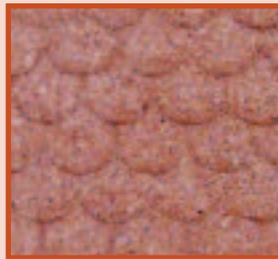
SCALLOPED EDGE TILE
HO (1:100) SCALE
CODE: PS-124
12" x 7" (300mm x 175mm)
(RED CLAY)



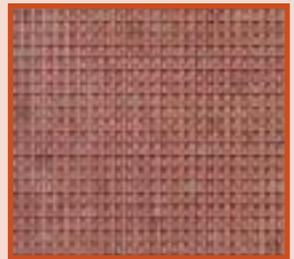
SCALLOPED EDGE TILE
O (1:48) SCALE
CODE: PS-125
12" x 7" (300mm x 175mm)
(RED CLAY)



SCALLOPED EDGE TILE
DOLLHOUSE (1:12) SCALE
CODE: PS-127 ①
24" x 7" (600mm x 175mm)
(RED CLAY)



SCALLOPED EDGE TILE
G (1:24) SCALE
CODE: PS-128 ②
12" x 7" (300mm x 175mm)
(RED CLAY)



SPANISH TILE
N (1:200) SCALE
CODE: PS-129
3" x 3" (75mm x 75mm)
(BEIGE)



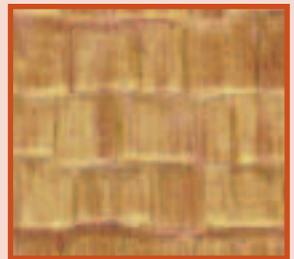
WOOD SHAKE SHINGLE
O (1:48) SCALE
CODE: PS-130
12" x 7" (300mm x 175mm)
(BEIGE)



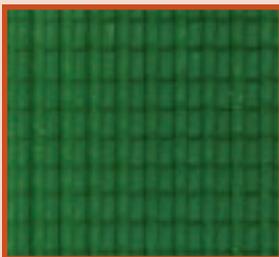
WOOD SHAKE SHINGLE
HO (1:100) SCALE
CODE: PS-131
12" x 7" (300mm x 175mm)
(BEIGE)



WOOD SHAKE SHINGLE
DOLLHOUSE (1:12) SCALE
CODE: PS-133 ①
24" x 7" (600mm x 175mm)
(BEIGE)



WOOD SHAKE SHINGLE
G (1:24) SCALE
CODE: PS-134 ①
12" x 7" (300mm x 175mm)
(BEIGE)



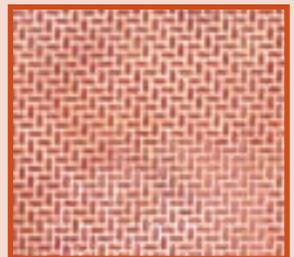
RIDGED CLAY TILE
HO (1:100) SCALE
CODE: PS-135
12" x 7" (300mm x 175mm)
(RED CLAY)



RIDGED CLAY TILE
O (1:48) SCALE
CODE: PS-136
12" x 7" (300mm x 175mm)
(RED CLAY)



RIDGED CLAY TILE
DOLLHOUSE (1:12) SCALE
CODE: PS-139 ①
24" x 7" (600mm x 175mm)
(RED CLAY)



INTERLOCKING PAVING
HO (1:100) SCALE
CODE: PS-140
12" x 7" (300mm x 175mm)
(RED CLAY)

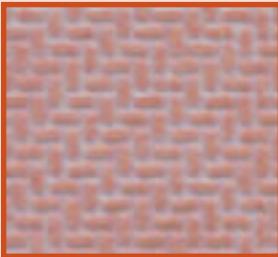
NOTES: The above photographs show decorated sheets. Furnished sheets are undecorated (unpainted) except where noted. Sheets furnished in Metallic Silver do not require additional finishing. See page 62 for decorating instructions. Illustrations show actual size of patterns. When reading sheet size, the first dimension will be the horizontal, or width, and the second will be the vertical, or height.

① Also available in 24" x 14" (600mm x 350mm) Sheet Size; add "XL" to end of Code, i.e. PS-139XL

② Also available in twice the Horizontal Length (24" (600mm)) Sheet Size; add "L" to end of Code, i.e. PS-134L

PLAIN & PATTERNED SHEET

PLASTIC PATTERNED SHEET



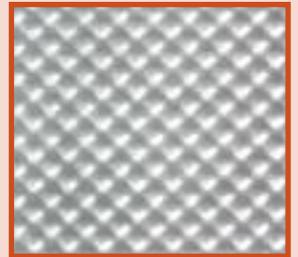
INTERLOCKING PAVING
O (1:48) SCALE
CODE: PS-141
12" x 7" (300mm x 175mm)
(RED CLAY)



INTERLOCKING PAVING
G (1:24) SCALE
CODE: PS-142 ③
12" x 7" (300mm x 175mm)
(RED CLAY)



INTERLOCKING PAVING
DOLLHOUSE (1:12) SCALE
CODE: PS-143 ②
24" x 7" (600mm x 175mm)
(RED CLAY)



CHECKER PLATE
HO (1:100) SCALE
CODE: PS-145 ①
12" x 7" (300mm x 175mm)
(CLEAR / METALLIC)



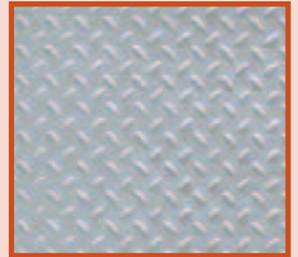
TREAD PLATE
HO (1:100) SCALE
CODE: PS-148
12" x 7" (300mm x 175mm)
(WHITE)



DOUBLE DIAMOND PLATE
G (1:24) SCALE
CODE: PS-150
12" x 7" (300mm x 175mm)
(WHITE)



DOUBLE DIAMOND PLATE
LIVE STEAM (1:16) SCALE
CODE: PS-151
12" x 7" (300mm x 175mm)
(WHITE)



DIAMOND PLATE
O (1:48) SCALE
CODE: PS-152
12" x 7" (300mm x 175mm)
(WHITE)



DIAMOND PLATE
LIVE STEAM (1:16) SCALE
CODE: PS-154
12" x 7" (300mm x 175mm)
(WHITE)



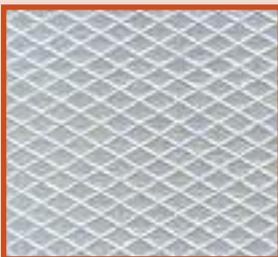
DIAMOND PLATE
HO (1:100) SCALE
CODE: PS-155
12" x 7" (300mm x 175mm)
(WHITE)



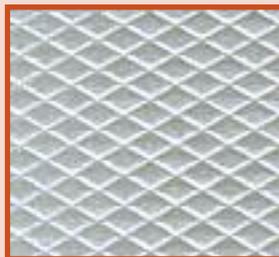
TREAD PLATE
Z (1:250) SCALE
CODE: PS-156
3-7/8" x 2-1/4" (98mm x 57mm)
(WHITE)



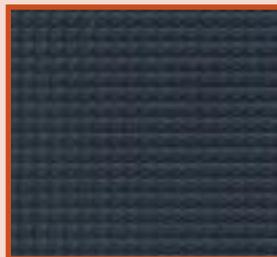
TREAD PLATE
N (1:200) SCALE
CODE: PS-157
3-7/8" x 2-1/4" (98mm x 57mm)
(TAN)



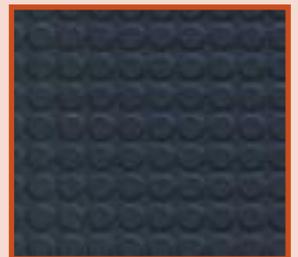
TREAD PLATE
O (1:48) SCALE
CODE: PS-158
3-7/8" x 2-1/4" (98mm x 57mm)
(WHITE)



TREAD PLATE
G (1:24) SCALE
CODE: PS-159
3-7/8" x 2-1/4" (98mm x 57mm)
(WHITE)



RUBBER TREAD
O (1:48) SCALE
CODE: PS-171
3-7/8" x 2-1/4" (98mm x 57mm)
(WHITE)



RUBBER TREAD
G (1:24) SCALE
CODE: PS-172
3-7/8" x 2-1/4" (98mm x 57mm)
(WHITE)

NOTES: The above photographs show decorated sheets. Furnished sheets are undecorated (unpainted) except where noted. Sheets furnished in Black do not require additional finishing. See page 62 for decorating instructions. Illustrations show actual size of patterns. When reading sheet size, the first dimension will be the horizontal, or width, and the second will be the vertical, or height.

① Also available in Metallic; add "M" to Code Prefix, i.e. PSM-

② Also available in 24" x 14" (600mm x 350mm) Sheet Size; add "XL" to end of Code, i.e. PS-143XL

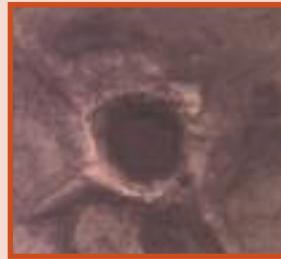
PLASTIC PATTERNED SHEET



CURBS, WALKS & PARKWAYS
HO SCALE
CODE: PS-160
12" x 7" (300mm x 175mm)
(BEIGE)



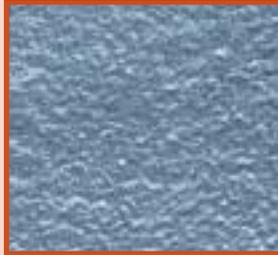
CONCRETE
NO SCALE
CODE: PS-166 ②
24" x 7" (600mm x 175mm)
(GRAY)



MOON & WAR CRATERS
NO SCALE
CODE: PS-180
12" x 7" (300mm x 175mm)
(BEIGE)



CALM/SHALLOW WATER
NO SCALE
CODE: WPSB-208
(BLUE)
9" x 6" (225mm x 150mm)
(CLEAR) ① ②
12" x 7" (300mm x 175mm)



AGITATED/SHALLOW WATER
NO SCALE
CODE: WPSB-308
(BLUE)
9" x 6" (225mm x 150mm)
(CLEAR) ① ②
12" x 7" (300mm x 175mm)



CHOPPY/DEEP WATER
NO SCALE
CODE: WPSB-408
(BLUE)
9" x 6" (225mm x 150mm)
(CLEAR) ① ②
12" x 7" (300mm x 175mm)



STORMY/DEEP WATER
NO SCALE
CODE: WPRB-608
(BLUE)
9" x 6" (225mm x 150mm)
(CLEAR) ①
12" x 7" (300mm x 175mm)



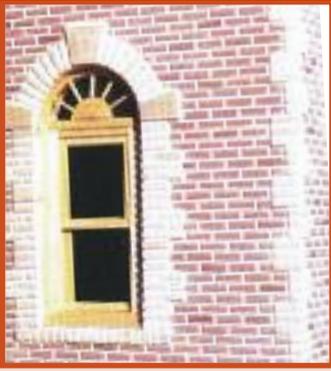
Photo courtesy of Wendy Hamilton, Aurora, Ont., Canada

NOTES: The above photographs show decorated sheets. Furnished sheets are undecorated (unpainted) except where noted. Sheets furnished in Black do not require additional finishing. See next page for decorating instructions. Illustrations show actual size of patterns except for PS-160 and PS-180. When reading sheet size, the first dimension will be the horizontal, or width, and the second will be the vertical, or height.

① To order in Clear; replace the "B" in the Code Prefix with a "C", i.e. WPSC-308

② Also available in 24" x 14" (600mm x 350mm) Sheet Size; add "XL" to end of Code, i.e. WPSC-308XL

PLAIN & PATTERNED SHEET



PAPER PATTERNED SHEET

A wide variety of exterior and interior patterns in several popular scales. Printed appropriately on either glossy paper or heavy .010 (0.3mm) matte stock in an appropriate color to match the pattern. These sheets are easily applied to most surfaces using double stick tape or any other adhesive transfer mechanism. Please note, the listed scales are only suggestions, as many patterns have no definitive size.

The following illustrations provide a full-scale (actual size) image of the pattern, and all patterns are shown in their horizontal view. Dimensions are listed horizontal first, then vertical.

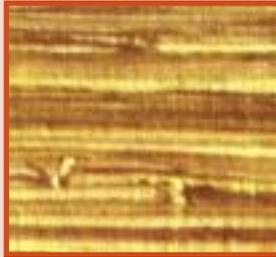
SOLD IN PACKAGES OF 2 SHEETS ONLY.



MAPLE WOOD PANELING
DOLLHOUSE (1:12) SCALE
CODE: PSP-20
7-1/2" x 10" (190mm x 250mm)



OAK WOOD PANELING
DOLLHOUSE (1:12) SCALE
CODE: PSP-21
7-1/2" x 10" (190mm x 250mm)



ELM WOOD PANELING
DOLLHOUSE (1:12) SCALE
CODE: PSP-22
7-1/2" x 10" (190mm x 250mm)



MAHOGANY WOOD PANELING
DOLLHOUSE (1:12) SCALE
CODE: PSP-23
7-1/2" x 10" (190mm x 250mm)



WALNUT WOOD PANELING
DOLLHOUSE (1:12) SCALE
CODE: PSP-24
7-1/2" x 10" (190mm x 250mm)



DARK HARDWOOD FLOOR
DOLLHOUSE (1:12) SCALE
CODE: PSP-36
7-1/2" x 10" (190mm x 250mm)



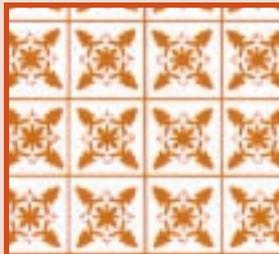
LIGHT HARDWOOD FLOOR
DOLLHOUSE (1:12) SCALE
CODE: PSP-37
7-1/2" x 10" (190mm x 250mm)



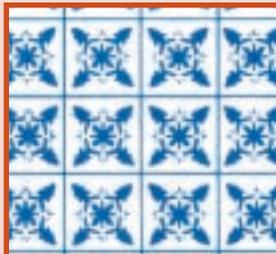
DARK HARDWOOD FLOOR
G (1:24) SCALE
CODE: PSP-38
7-1/2" x 10" (190mm x 250mm)



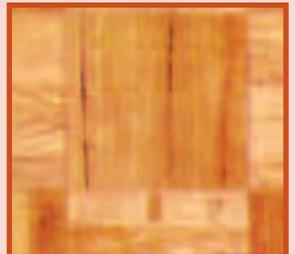
LIGHT HARDWOOD FLOOR
G (1:24) SCALE
CODE: PSP-39
7-1/2" x 10" (190mm x 250mm)



BROWN SQUARE TILES
DOLLHOUSE (1:12) SCALE
CODE: PSP-42
7-1/2" x 10" (190mm x 250mm)



BLUE SQUARE TILES
DOLLHOUSE (1:12) SCALE
CODE: PSP-43
7-1/2" x 10" (190mm x 250mm)



PARQUET FLOOR
DOLLHOUSE (1:12) SCALE
CODE: PSP-46
6.75" x 9" (170mm x 225mm)

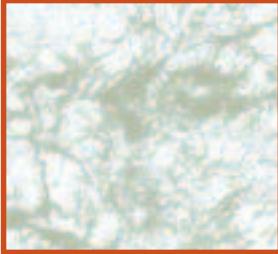


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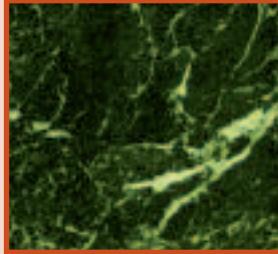
Specify Fed-Ex or UPS Next Day Service. We also offer 2 and 3 Day Air Service, as well as Economical Ground.

PLAIN & PATTERNED SHEET

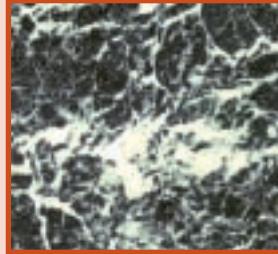
PAPER PATTERNED SHEET



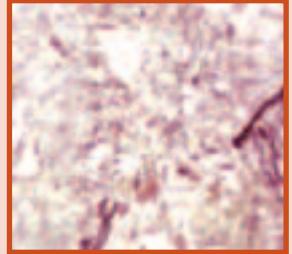
WHITE MARBLE
DOLLHOUSE (1:12) SCALE
CODE: PSP-62
7-1/2" x 10" (190mm x 250mm)



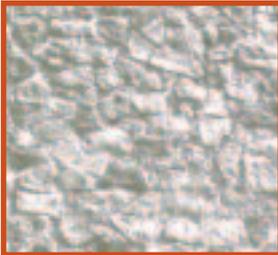
GREEN MARBLE
DOLLHOUSE (1:12) SCALE
CODE: PSP-63
7-1/2" x 10" (190mm x 250mm)



BLACK MARBLE
DOLLHOUSE (1:12) SCALE
CODE: PSP-64
7-1/2" x 10" (190mm x 250mm)



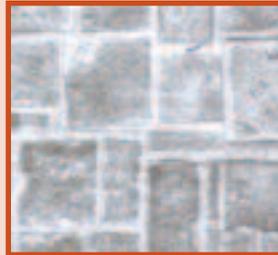
ROUGH MARBLE
DOLLHOUSE (1:12) SCALE
CODE: PSP-65
7-1/2" x 10" (190mm x 250mm)



GRAY RANDOM STONE
NO SCALE
CODE: PSP-78
7-1/2" x 10" (190mm x 250mm)



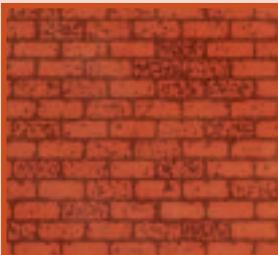
BROWN DRESSED STONE
DOLLHOUSE (1:12) SCALE
CODE: PSP-85
7-1/2" x 10" (190mm x 250mm)



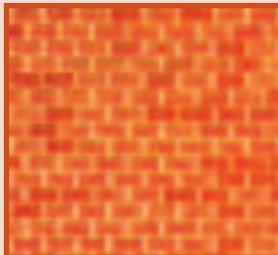
GRAY DRESSED STONE
DOLLHOUSE (1:12) SCALE
CODE: PSP-86
7-1/2" x 10" (190mm x 250mm)



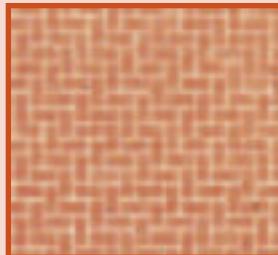
BROWN BRICK
DOLLHOUSE (1:12) SCALE
CODE: PSP-91
7-1/2" x 10" (190mm x 250mm)



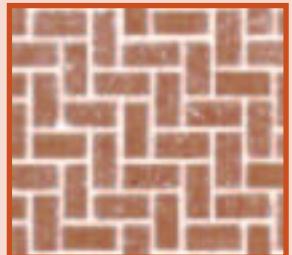
RED BRICK
G (1:24) SCALE
CODE: PSP-92
7-1/2" x 10" (190mm x 250mm)



RED BRICK
O (1:48) SCALE
CODE: PSP-93
7-1/2" x 10" (190mm x 250mm)



INTERLOCKING PAVING
O (1:48) SCALE
CODE: PSP-95
7-1/2" x 10" (190mm x 250mm)



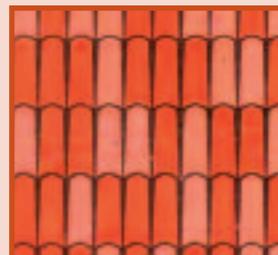
INTERLOCKING PAVING
G (1:24) SCALE
CODE: PSP-96
7-1/2" x 10" (190mm x 250mm)



BROWN BRICK
HO (1:100) SCALE
CODE: PSP-97
7-1/2" x 10" (190mm x 250mm)



GRAY BRICK
HO (1:100) SCALE
CODE: PSP-98
7-1/2" x 10" (190mm x 250mm)

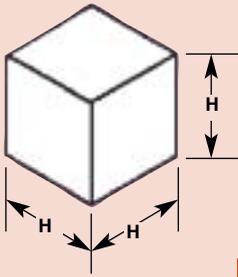


SPANISH TILE ROOF
O (1:48) SCALE
CODE: PSP-121
7-1/2" x 10" (190mm x 250mm)



IN A HURRY?

Call our Toll Free 800 Order Line and pay by VISA/MasterCard. (800) 666-7015 8:00 am-2:00 pm Pacific Time.



CUBE

CODE	ACTUAL SIZE	
	'H'	
AC-8	1/4"	6.4mm
AC-12	3/8"	9.5mm
AC-16	1/2"	12.7mm
AC-20	5/8"	15.9mm
AC-24	3/4"	19.1mm
AC-32	1"	25.4mm
AC-40	1-1/4"	31.8mm

CLEAR ACRYLIC CUBES & BALLS

Use wherever cubes or spheres may be found, as in modern geometric architectural sculptures, etc. Ideal for representing glass blocks in dollhouse/miniatures models. Also quite useful and desirable in crafts and home decor.



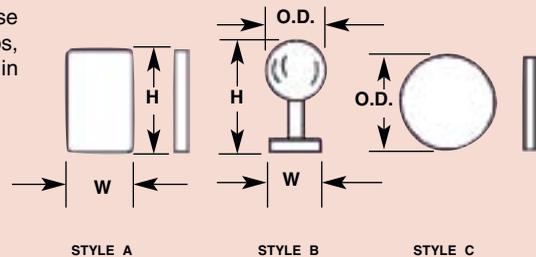
BALL

CODE	ACTUAL	
	O.D.	
AB-4	1/8"	3.2mm
AB-5	5/32"	4.0mm
AB-6	3/16"	4.8mm
AB-8	1/4"	6.4mm
AB-9	9/32"	7.1mm
AB-10	5/16"	7.9mm
AB-12	3/8"	9.5mm
AB-14	7/16"	11.1mm
AB-16	1/2"	12.7mm
AB-20	5/8"	15.9mm
AB-24	3/4"	19.1mm
AB-28	7/8"	22.2mm
AB-32	1"	25.4mm
AB-40	1-1/4"	31.8mm
AB-48	1-1/2"	38.1mm

MISCELLANEOUS ROUNDS & RECTANGLES

Add detail and character to your model or layout with these handy rounds and rectangles. May be used as table tops, plaques, globe lights, etc. Precision Injection Molded in White Butyrate Plastic.

SOLD IN PACKAGES OF 15 PIECES (5 EACH STYLE).



CODE: LMRR-15

STYLE	ACTUAL SIZE					
	'H'		'W'		O.D.	
A	3/8"	9.5mm	1/4"	6.4mm	N/A	N/A
B	25/64"	9.9mm	3/16"	4.8mm	1/4"	6.4mm
C	N/A	N/A	N/A	N/A	3/8"	9.5mm



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PARK & PATIO FURNITURE



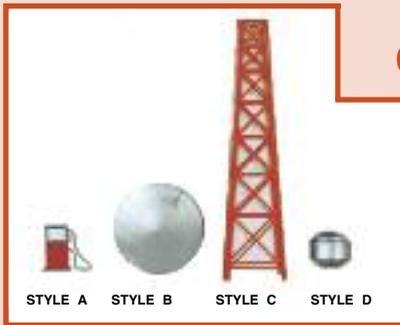
Add detail and character to your model or layout with these unique, rare park and patio furnishings. Some require minimal assembly, but most come assembled and ready to use. Bench width dimension is for total width of all parts combined. Precision Injection Molded in Styrene or Polyethylene Plastic as noted.

CODE	STYLE	DESCRIPTION	SCALE	ACTUAL SIZE		MAT'L	PKG QTY
				HEIGHT	WIDTH		
BEN-48	A	Concrete 5 Bench Set	O 1:48	1/2"	12.7mm	7-1/4" 184.2mm	Polyethylene 1 Set
BEN-100	A	Concrete 5 Bench Set	HO 1:100	1/4"	6.4mm	4-7/16" 112.7mm	Polyethylene 1 Set
BEN-200	A	Concrete 5 Bench Set	N 1:200	1/8"	3.2mm	2-3/16" 55.6mm	Polyethylene 1 Set
BENO-48	B	Wrought Iron Bench	O 1:48	5/8"	15.9mm	4-1/2" 114.3mm	Styrene 2
BENO-100	B	Wrought Iron Bench	HO 1:100	5/16"	7.9mm	2-1/4" 57.2mm	Styrene 2
BENP-24	C	Patio Chair Set	G 1:24	1"	25.4mm	3-7/8" 98.4mm	Styrene 1 Set
BENP-48	C	Patio Chair Set	O 1:48	1/2"	12.7mm	2-1/16" 52.4mm	Styrene 1 Set
BENP-100	C	Patio Chair Set	HO 1:100	1/4"	6.4mm	1" 25.4mm	Styrene 1 Set
FTNH-32	D	Hexagon Fountain	HO 1:100	1-1/8"	28.6mm	1-1/8" 28.6mm	Styrene 1
FTNH-44	D	Hexagon Fountain	O 1:48	1-3/16"	30.2mm	1-7/16" 36.5mm	Styrene 1
FTNS-32	D	Square Fountain	HO 1:100	1-1/8"	28.6mm	1-1/8" 28.6mm	Styrene 1
FTNS-48	D	Square Fountain	O 1:48	1-3/8"	34.9mm	1-5/8" 41.3mm	Styrene 1
FTNS-76	D	Square Fountain	G 1:24	2-3/8"	60.3mm	2-3/8" 60.3mm	Styrene 1
PAT-24	E	Umbrella Table Set	G 1:24	4"	101.6mm	3-1/4" 82.6mm	Styrene 1
PAT-48	E	Umbrella Table Set	O 1:48	2-3/8"	60.3mm	1-7/8" 47.7mm	Styrene 2
PAT-100	E	Umbrella Table Set	HO 1:100	1-1/2"	38.1mm	15/16" 23.8mm	Styrene 3
PAT-200	E	Umbrella Table Set	N 1:200	1/2"	12.7mm	15/32" 11.9mm	Styrene 3
PATS-100	F	Umbrella Table Set	HO 1:100	2-1/4"	57.2mm	1-1/8" 28.6mm	Styrene 2 Sets
PATS-200	F	Umbrella Table Set	N 1:200	2"	50.8mm	9/16" 14.3mm	Styrene 3 Sets
UMB-48	G	Beach Umbrella Set	O 1:48	2-1/4"	57.2mm	2-1/4" 57.2mm	Styrene 1 Set
UMB-100	G	Beach Umbrella	HO 1:100	1-1/8"	28.6mm	1-1/16" 27.0mm	Styrene 3
UMB-200	G	Beach Umbrella	N 1:200	5/8"	15.9mm	9/16" 14.3mm	Styrene 4



Photo courtesy of Dean Freytag, Ashland, OH

DETAIL & ARCHITECTURAL PARTS



OIL TANKS, TOWERS & GAS PUMPS

Add detail and character to your model or layout with these unique, water towers, oil well/towers, oil storage tanks and gas pumps. Water Tanks are designed for installation on top of Towers. Precision Injection Molded in Styrene or Polyethylene Plastic as noted.

CODE	STYLE	DESCRIPTION	SCALE	ACTUAL SIZE				MAT'L	PKG QTY
				HEIGHT	WIDTH				
GAS-48	A	Gas Pump	O 1:48	31/32"	24.6mm	1-1/8"	28.6mm	Polyethylene	3
GAS-100	A	Gas Pump	HO 1:100	17/32"	13.5mm	17/32"	13.5mm	Polyethylene	3
OIL-100	B	Oil Storage Tank	N 1:200	23/64"	9.1mm	1"	25.4mm	Polyethylene	4
OIL-200	B	Oil Storage Tank	HO 1:100	45/64"	17.9mm	1-15/16"	49.2mm	Polyethylene	2
OIL-350	C	Oil Well / Water Tower	N 1:200	3-3/4"	95.3mm	5/8"	15.9mm	Styrene	1
OIL-550	C	Oil Well / Water Tower	HO 1:100	5-1/2"	139.7mm	1-3/8"	34.9mm	Styrene	1
OIL-800	C	Oil Well / Water Tower	O 1:48	8"	203.2mm	2-1/4"	57.2mm	Styrene	1
TANK-25	D	Water Tower Tank	Z 1:250	5/32"	4.0mm	7/32"	5.6mm	Polyethylene	8
TANK-50	D	Water Tower Tank	N 1:200	25/64"	9.9mm	31/64"	12.3mm	Polyethylene	4
TANK-100	D	Water Tower Tank	HO 1:100	13/16"	20.6mm	15/16"	23.8mm	Polyethylene	2
TANK-175	D	Water Tower Tank	O 1:48	1-1/2"	38.1mm	1-3/4"	44.5mm	Polyethylene	1

RECREATION FURNITURE



Add detail and character to your model or layout with these unique, popular recreational activities. Some require minimal assembly, but most come assembled and ready to use. Pool comes with Plastic Water Sheet. Precision Injection Molded in Styrene or Polyethylene Plastic as noted.

CODE	STYLE	DESCRIPTION	SCALE	ACTUAL SIZE				MAT'L	PKG QTY
				HEIGHT	WIDTH				
BASK-48	A	Basketball Goal Set	O 1:48	3-1/4"	82.6mm	1-1/4"	31.8mm	Both	2
BASK-100	A	Basketball Goal Set	HO 1:100	1-5/8"	6.4mm	11/32"	8.7mm	Both	2
DIV-48	B	High Diving Board	O 1:48	2-3/4"	69.9mm	4"	101.6mm	Styrene	1
DIV-100	B	High Diving Board	HO 1:100	1-3/8"	34.9mm	2"	50.8mm	Styrene	1
DIV-200	B	High Diving Board	N 1:200	3/4"	19.1mm	1-1/8"	28.6mm	Styrene	1
PING-48	C	Ping Pong Table	O 1:48	2-3/32"	61.2mm	1-1/8"	28.6mm	Styrene	1
PING-100	C	Ping Pong Table	HO 1:100	1-1/16"	27.0mm	9/16"	14.3mm	Styrene	1
PLAY-48	D	Playground Set	O 1:48	2-5/8"	66.7mm	6"	152.4mm	Styrene	1 Set
PLAY-100	D	Playground Set	HO 1:100	1-3/8"	34.9mm	5"	127.0mm	Styrene	1 Set
PLAY-200	D	Playground Set	N 1:200	13/16"	20.6mm	3"	76.2mm	Styrene	1 Set
POOL-100	E	Swimming Pool w/Water	HO 1:100	4-5/8"	117.5mm	4"	101.6mm	Styrene	1

STREET FURNITURE



Add detail and character to your model or layout with these non-working, unique, rare street furnishings. Some require minimal assembly, but most come assembled and ready to use. Precision Injection Molded in Styrene or Polyethylene Plastic or cast in a white metal, as noted.

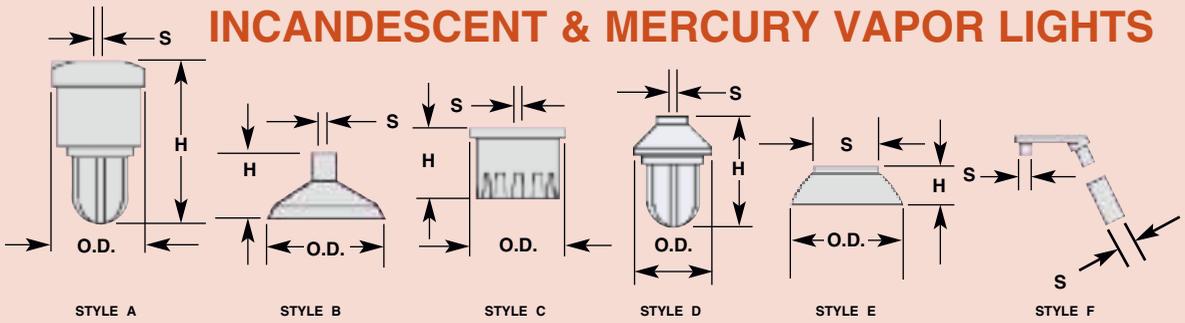
CODE	STYLE	DESCRIPTION	SCALE	ACTUAL SIZE				MAT'L	PKG QTY
				HEIGHT		WIDTH			
BLD-100	A	Double Arm Boulevard	HO 1:100	3-1/4"	83.6mm	1-15/16"	49.2mm	Styrene	5
BLD-200	A	Double Arm Boulevard	N 1:200	2"	50.8mm	15/16"	23.8mm	Styrene	5
BLD-500	A	Double Arm Boulevard	1:500	15/16"	23.8mm	1/2"	12.7mm	Styrene	5
BLS-100	B	Single Arm Boulevard	HO 1:100	3-1/4"	83.6mm	1"	25.4mm	Styrene	5
BLS-200	B	Single Arm Boulevard	N 1:200	1-7/8"	47.6mm	1/2"	12.7mm	Styrene	5
BLS-500	B	Single Arm Boulevard	1:500	7/8"	22.2mm	1/4"	6.4mm	Styrene	5
HAL-48	C	Halogen Lamp	O 1:48	2-1/4"	57.2mm	7/16"	11.1mm	Styrene	5
HAL-100	C	Halogen Lamp	HO 1:100	2-1/4"	57.2mm	1/4"	6.4mm	Styrene	5
LIT-3100	D	3 Globe Patio	HO 1:100	2-1/4"	57.2mm	1/2"	12.7mm	Styrene	5
LIT-3200	D	3 Globe Patio	N 1:200	2-1/4"	57.2mm	13/32"	10.3mm	Styrene	5
LIT-4100	E	4 Globe Patio	HO 1:100	2-1/4"	57.2mm	1/2"	12.7mm	Styrene	5
LIT-4200	E	4 Globe Patio	N 1:200	2-1/4"	57.2mm	13/32"	10.3mm	Styrene	5
SLD-48	F	60's Double Boulevard	O 1:48	6"	152.4mm	3-1/2"	88.9mm	Styrene	2
SLD-100	F	60's Double Boulevard	HO 1:100	3"	76.2mm	2-1/16"	52.4mm	Styrene	4
SLD-101	G	80's Double Boulevard	HO 1:100	3"	76.2mm	2-1/16"	52.4mm	Styrene	4
SLD-200	G	80's Double Boulevard	N 1:200	1-3/4"	44.5mm	1-3/4"	44.5mm	Styrene	4
SLD-250	F	60's Double Boulevard	Z 1:250	1-3/8"	34.6mm	5/8"	15.9mm	Styrene	4
SLD-500	F	60's Double Boulevard	1:500	9/16"	14.3mm	1/4"	6.4mm	Styrene	5
SLD-501	G	80's Double Boulevard	1:500	9/16"	14.3mm	1/4"	6.4mm	Styrene	5
SLO-48	H	1800's Parkway	O 1:48	3-3/4"	95.3mm	7/8"	22.2mm	Polyethylene	1
SLO-100	H	1800's Parkway	HO 1:100	1-7/8"	47.6mm	7/16"	11.1mm	Polyethylene	4
SLS-48	J	80's Single Arm Blvd	O 1:48	6-1/2"	165.1mm	3-1/2"	88.9mm	Styrene	2
SLS-100	I	60's Single Arm Blvd	HO 1:100	3-1/4"	82.5mm	1"	25.4mm	Styrene	2
SLS-200	I	60's Single Arm Blvd	N 1:200	2"	50.8mm	5/8"	15.8mm	Styrene	2
TELP-48	K	Telephone Pole	O 1:48	7-3/4"	196.9mm	1-3/8"	34.9mm	Styrene	5
TELP-100	K	Telephone Pole	HO 1:100	3-7/8"	98.4mm	3/4"	19.1mm	Styrene	10
TELP-200	K	Telephone Pole	N 1:200	2"	50.8mm	13/32"	10.3mm	Styrene	10
TELP-500	K	Telephone Pole	1:500	1"	25.4mm	3/16"	4.8mm	Styrene	10
TLT-48	L	Traffic Signal	O 1:48	2-7/8"	73.0mm	3/16"	4.8mm	Styrene	4
TLT-100	L	Traffic Signal	HO 1:100	1-3/8"	34.9mm	3/32"	2.4mm	Styrene	5
TLT-200	L	Traffic Signal	N 1:200	11/16"	17.5mm	1/32"	0.8mm	Styrene	5



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Specify Fed-Ex or UPS Next Day Service. We also offer 2 and 3 Day Air Service, as well as Economical Ground.

INCANDESCENT & MERCURY VAPOR LIGHTS



Add detail and character to your model or layout with these non-working, unique industrial mercury vapor and incandescent light fixtures and hardware. The incandescent with shade light can also be used as a safety shower, or as a drain or eye-wash when turned upside down. Mercury vapor lights may be mounted overhead or placed on a stanchion using stanchion hardware and appropriate tubing (stanchion applications do not require light shade). Lamp shades fit the light of the same Code Suffix. Precision Injection Molded in Medium Green ABS Plastic.

CODE	STYLE	DESCRIPTION	SCALE	ACTUAL SIZE				STANCHION	
				HEIGHT		O.D.		TUBE SIZE (S)	
LF-3	B	Incandescent With Shade	O/HO 1:100	5/32"	4.0mm	5/16"	7.9mm	1/16"	1.6mm
LF-6	B	Incandescent With Shade	#1/O 1:48	17/64"	6.7mm	7/16"	11.1mm	1/16"	1.6mm
LF-8	B	Incandescent With Shade	G 1:24	3/8"	9.5mm	5/8"	15.9mm	3/32"	2.4mm
LF-10	B	Incandescent With Shade	L.S. 1:16	9/16"	14.3mm	15/16"	23.8mm	3/32"	2.4mm
LF-112	D	Incandescent	#1/O 1:48	27/64"	10.7mm	5/16"	7.9mm	1/16"	1.6mm
LF-116	D	Incandescent	G 1:24	9/16"	14.3mm	13/32"	10.3mm	3/32"	2.4mm
LF-212	A	Mercury Vapor Hazard Gd	#1/O 1:48	19/32"	15.1mm	3/8"	9.5mm	1/16"	1.6mm
LF-216	A	Mercury Vapor Hazard Gd	G 1:24	51/64"	20.2mm	15/32"	11.9mm	3/32"	2.4mm
LF-312	C	Mercury Vapor Relamp Cp	#1/O 1:48	1/4"	6.4mm	3/8"	9.5mm	1/16"	1.6mm
LF-316	C	Mercury Vapor Relamp Cp	G 1:24	21/64"	8.3mm	15/32"	11.9mm	3/32"	2.4mm
LF-412	E	Lamp Shade	#1/O 1:48	13/64"	5.2mm	17/32"	13.5mm	1/4"	6.4mm
LF-416	E	Lamp Shade	G 1:24	3/8"	9.5mm	45/64"	17.9mm	21/64"	8.3mm
LF-512	F	Stanchion Hardware	#1/O 1:48	N/A	N/A	N/A	N/A	1/16"	1.6mm
LF-516	F	Stanchion Hardware	G 1:24	N/A	N/A	N/A	N/A	3/32"	2.4mm

WINDOWS & DOORS



Style A



Style E



Style C



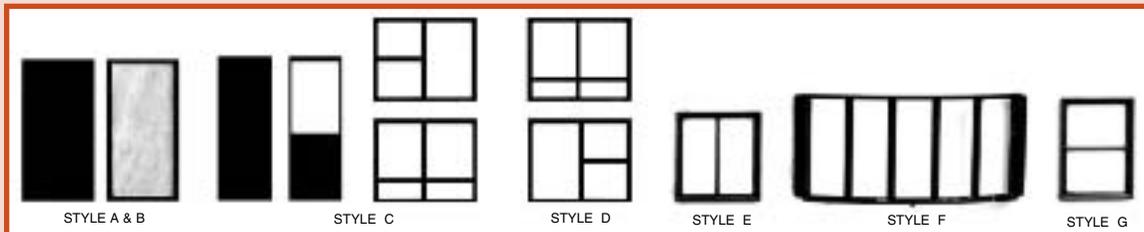
Style B



Style D

CODE	STYLE	DESCRIPTION	SCALE	ACTUAL SIZE				PKG
				HEIGHT		WIDTH		QTY
WIN-48A	A	Windows/French Doors Rnd	O 1:48	2-1/2"	63.5mm	4"	101.6mm	1 Set
WIN-48B	B	Windows/French Doors Flt.	O 1:48	2-1/4"	57.2mm	4"	101.6mm	1 Set
WIN-48C	C	Windows/French Doors Sqr.	O 1:48	2-1/4"	57.2mm	4"	101.6mm	1 Set
WIN-48D	D	Door & Window Set	O 1:48	Mixed		Mixed		1 Set
DOW-48B	E	Single Door w/ Windows	O 1:48	2-1/2"	63.5mm	1-1/2"	38.1mm	1

WINDOWS & DOORS



Add detail and character to your building with these windows and doors. Actual dimensions include frames, where appropriate. A set consists of pictured group. Windows are precision Injection Molded in Styrene Plastic, and doors are a combination of Styrene Plastic and/or Wood.

CODE	STYLE	DESCRIPTION	SCALE	ACTUAL SIZE				PKG
				HEIGHT		WIDTH		QTY
DORS-48A	A	30" Plastic Door & Frame	O 1:48	1-3/4"	44.5mm	13/16"	20.6mm	1 Set
DORS-48B	B	30" Wood Door & Frame	O 1:48	1-3/4"	44.5mm	13/16"	20.6mm	1 Set
DORS-48C	A	36" Plastic Door & Frame	O 1:48	1-3/4"	44.5mm	29/32"	23.0mm	1 Set
DORS-48D	B	36" Wood Door & Frame	O 1:48	1-3/4"	44.5mm	29/32"	23.0mm	1 Set
DOW-48A	C	Door & Window Set	O 1:48	Mixed		Mixed		2 Sets
WIN-48L	D	Mixed Window Set	O 1:48	15/16"	23.8mm	1-1/8"	28.6mm	4 Sets
WIN-48M	E	30" x 36" Window	O 1:48	11/16"	17.5mm	13/16"	20.6mm	2
WIN-48N	F	51" x 108" Bay Window	O 1:48	1-7/32"	31.0mm	2-11/16"	66.3mm	1
WIN-48P	E	42" x 42" Window	O 1:48	31/32"	24.6mm	31/32"	24.6mm	2
WIN-48Q	G	40" x 54" Window	O 1:48	27/32"	21.4mm	1-1/8"	28.6mm	2



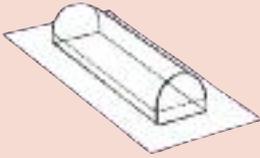
Add detail and character to your 1:12 and 1:24 house with these windows and doors. Styles C, D & E come in two pieces for easy window pane installation. Doors are hinged for realistic operation. Actual dimensions include frames and sills where appropriate. Precision Injection Molded in White Styrene Plastic.

See page 118 for window screen material, Code SWM-12.

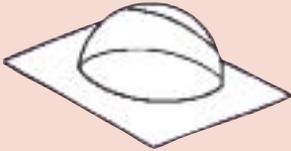
CODE	STYLE	DESCRIPTION	SCALE	ACTUAL SIZE				PKG
				HEIGHT		WIDTH		QTY
DORS-12E	A	Georgian Front Door Set	1:12	7-1/2"	190.5mm	4"	101.6mm	1 Set
DORS-24E	A	Georgian Front Door Set	G 1:24	3-3/4"	95.3mm	2"	50.8mm	1 Set
WIN-24B	E	21" x 45" Window	G 1:24	2-1/8"	54.0mm	1-1/8"	28.6mm	2
WIN-24C	F	81" x 45" Bay Window	G 1:24	2-1/8"	54.0mm	3-5/8"	92.1mm	1
WIN-24E	B	72" x 57" Bay Window	G 1:24	2-11/16"	68.3mm	3-5/16"	84.1mm	1
WIN-24F	C	33" x 57" 12 Pane Window	G 1:24	2-3/4"	69.9mm	2-1/4"	57.2mm	1
WIN-24G	C	33" x 42" 9 Pane Window	G 1:24	2-1/8"	54.0mm	2-1/4"	57.2mm	1
WIN-24H	D	45" x 81" 6 Pane Window	G 1:24	1-5/16"	33.3mm	1-13/32"	35.7mm	1

DETAIL & ARCHITECTURAL PARTS

SKYLIGHTS



STYLE A



STYLE B



STYLE C



STYLE D



STYLE E

Add detail and character to your buildings with these modern skylights. Ideal for all scales and all types of modeling. Precision Vacuum Formed in Clear Copolyester Plastic.

CODE	ACTUAL SIZE						DESCRIPTION	STYLE
	HEIGHT		WIDTH		LENGTH			
SKB-80	3/16"	4.8mm	1/4"	6.4mm	1/2"	12.7mm	Rectangular Barrel	A
SKB-81	3/16"	4.8mm	1/4"	6.4mm	3/4"	19.1mm	Rectangular Barrel	A
SKB-82	3/16"	4.8mm	1/4"	6.4mm	1"	25.4mm	Rectangular Barrel	A
SKB-121	1/4"	6.4mm	3/8"	9.5mm	3/4"	19.1mm	Rectangular Barrel	A
SKB-160	5/16"	7.9mm	1/2"	12.7mm	1"	25.4mm	Rectangular Barrel	A
SKB-162	5/16"	7.9mm	1/2"	12.7mm	1-1/2"	38.1mm	Rectangular Barrel	A
SKB-242	1/2"	12.7mm	3/4"	19.1mm	1-1/2"	38.1mm	Rectangular Barrel	A
SKB-362	5/8"	15.9mm	1"	25.4mm	2"	50.8mm	Rectangular Barrel	A
SKB-363	5/8"	15.9mm	1"	25.4mm	3"	76.2mm	Rectangular Barrel	A
SKB-364	5/8"	15.9mm	1"	25.4mm	4"	101.6mm	Rectangular Barrel	A
SKB-482	1"	25.4mm	1-1/2"	38.1mm	2"	50.8mm	Rectangular Barrel	A
SKB-483	1"	25.4mm	1-1/2"	38.1mm	3"	76.2mm	Rectangular Barrel	A
SKB-484	1"	25.4mm	1-1/2"	38.1mm	4"	101.6mm	Rectangular Barrel	A
SKD-250	1-3/8"	34.9mm	2-1/2"	63.5mm	2-1/2"	63.5mm	Round Dome	B
SKP-8	1/8"	3.2mm	1/4"	6.4mm	1/4"	6.4mm	Square Pyramid	C
SKP-12	3/16"	4.8mm	3/8"	9.5mm	3/8"	9.5mm	Square Pyramid	C
SKP-16	1/4"	6.4mm	1/2"	12.7mm	1/2"	12.7mm	Square Pyramid	C
SKP-20	9/32"	7.1mm	5/8"	15.9mm	5/8"	15.9mm	Square Pyramid	C
SKP-24	1/2"	12.7mm	3/4"	19.1mm	3/4"	19.1mm	Square Pyramid	C
SKP-32	7/16"	11.1mm	1"	25.4mm	1"	25.4mm	Square Pyramid	C
SKP-200	1-1/8"	28.6mm	2"	50.8mm	2"	50.8mm	Square Pyramid	C
SKR-81	1/8"	3.2mm	1/4"	6.4mm	1/2"	12.7mm	Rectangular Pyramid	D
SKR-83	1/8"	3.2mm	1/4"	6.4mm	3/4"	19.1mm	Rectangular Pyramid	D
SKR-122	3/16"	4.8mm	3/8"	9.5mm	3/4"	19.1mm	Rectangular Pyramid	D
SKR-162	1/4"	6.4mm	1/2"	12.7mm	1"	25.4mm	Rectangular Pyramid	D
SKR-241	3/8"	9.5mm	3/4"	19.1mm	1"	25.4mm	Rectangular Pyramid	D
SKR-725	1-1/4"	31.8mm	2"	50.8mm	5"	127.0mm	Rectangular Pyramid	D
SKY-8	1/8"	3.2mm	1/4"	6.4mm	1/4"	6.4mm	Square Dome	E
SKY-12	9/64"	3.6mm	3/8"	9.5mm	3/8"	9.5mm	Square Dome	E
SKY-16	3/16"	4.8mm	1/2"	12.7mm	1/2"	12.7mm	Square Dome	E
SKY-24	17/64"	6.7mm	3/4"	19.1mm	3/4"	19.1mm	Square Dome	E
SKY-32	5/16"	7.9mm	1"	25.4mm	1"	25.4mm	Square Dome	E
SKY-200	1/2"	12.7mm	2"	50.8mm	2"	50.8mm	Square Dome	E
SKY-362	5/16"	7.9mm	1"	25.4mm	2"	50.8mm	Rectangular Dome	E
SKY-400	7/8"	22.2mm	4"	101.6mm	4"	101.6mm	Square Dome	E
SKY-724	5/8"	15.9mm	2"	50.8mm	4"	101.6mm	Rectangular Dome	E

Seven sizes, .080 (2.0mm), .120 (3.0mm), .160 (4.0mm), .200 (5.0mm), .240 (6.0mm), .320 (8.0mm) and .400 (10.0mm) in either round dome or square pyramid style. Precision Injection Molded in Clear or Opaque White Styrene Plastic.

CODE	DESCRIPTION	STYLE
SKDS-71	Set Of 7 Clear Round Dome Skylights	B
SKDS-72	Set Of 7 Opaque White Round Dome Skylights	B
SKDS-73	Set Of 7 Clear Square Pyramid Skylights	C
SKDS-74	Set Of 7 Opaque White Square Pyramid Skylights	C

STYRENE PLASTIC SCALE AUTOMOBILES

Add detail and scale to your architectural model with these generic, nondescript automobiles. Mounting pin provides quick, permanent fastening to the model base. Dimensions given refer to the largest automobile (excluding van) in the scale. Sold in randomly packaged, mixed style assortments ONLY. Precision Injection Molded in White Styrene Plastic.



CODE	SCALE	ACTUAL SIZE							NO. OF STYLES	PKG. QTY.
		HEIGHT		WIDTH		LENGTH				
AM-100	1/8" = 1'-0"	1:100	21/32"	16.7mm	51/64"	20.2mm	2-1/32"	51.6mm	4	5
AM-125	1/10" = 1'-0"	1:125	35/64"	13.9mm	39/64"	15.5mm	1-17/32"	38.9mm	2	5
AM-200	1/16" = 1'-0"	1:200	5/16"	7.9mm	13/32"	10.3mm	1-1/32"	26.2mm	5	15
AM-500	1/40" = 1'-0"	1:500	9/64"	3.6mm	5/32"	4.0mm	13/32"	10.3mm	5	25
AM-900	1/75" = 1'-0"	1:900	1/16"	1.6mm	3/32"	2.4mm	1/4"	6.4mm	2	25
AM-1200	1/100" = 1'-0"	1:1200	3/64"	1.2mm	5/64"	2.0mm	3/16"	4.8mm	2	25



PUTK

Add detail to your model with this Pickup Truck. Precision Injected Molded in White Styrene

CODE	SCALE		ACTUAL SIZE						PKG. QTY.
			HEIGHT		WIDTH		LENGTH		
PUTK-100	1/8" = 1'-0"	1:100	5/8"	15.9mm	3/4"	19.1mm	2"	50.8mm	4
PUTK-200	1/16" = 1'-0"	1:200	1/4"	6.4mm	3/8"	9.5mm	1"	25.4mm	6
PUTK-400	1/32" = 1'-0"	1:400	3/32"	2.4mm	3/32"	2.4mm	1/2"	12.7mm	8

STYRENE PLASTIC 1:500 SCALE VEHICLES

Add detail and scale to your 1:500 scale architectural model with these generic, European style vehicles. Sold in randomly packaged, mixed style assortments ONLY. Precision Injection Molded in White Styrene Plastic.



CODE	SCALE		DESCRIPTION	NO. OF STYLES	PKG. QTY.
ACE-500	1/40" = 1'-0"	1:500	European Style Cars, Pickup Trucks, Vans and City Bus	13	25
BTE-500	1/40" = 1'-0"	1:500	Ski/Speed, Mini Cabin and Sporting Motor Boats	3	10
BTE-501	1/40" = 1'-0"	1:500	Flat Deck and Cabin Sail Boats	3	10
BUE-500	1/40" = 1'-0"	1:500	European Style City Buses	1	10
TKE-500	1/40" = 1'-0"	1:500	Euro Style Delivery, Flat Bed, Tanker and Tractor-Trailer Trucks	5	10
TPE-500	1/40" = 1'-0"	1:500	European Style Passenger Train	1	1 Set
TPE-501	1/40" = 1'-0"	1:500	European Style Bullet Train	1	1 Set

POLYETHYLENE PLASTIC SCALE AUTOMOBILES



Add detail and scale to your layout or model with these detailed, hand-painted 1970's and 1990's model automobiles. Available individually in random colored packages. Style M, 1960's Van, not shown. Precision Injection Molded in Polyethylene Plastic and painted by hand.

CODE	STYLE	SCALE	ACTUAL SIZE						PKG. QTY.
			HEIGHT		WIDTH		LENGTH		
AMC-48A	A	O 1/4" = 1'-0" 1:48	1-1/8"	28.6mm	1-5/16"	33.3mm	4"	101.6mm	2
AMC-48B	B	O 1/4" = 1'-0" 1:48	1-3/16"	30.2mm	1-1/4"	31.8mm	3-11/16"	93.7mm	2
AMC-48C	C	O 1/4" = 1'-0" 1:48	1-3/16"	30.2mm	1-1/4"	31.8mm	3-1/4"	82.6mm	2
AMC-48D	D	O 1/4" = 1'-0" 1:48	1-3/32"	27.8mm	1-5/16"	33.3mm	3-1/2"	88.9mm	2
AMC-48E	E	O 1/4" = 1'-0" 1:48	1-3/8"	34.9mm	1-1/2"	38.1mm	3-7/8"	98.4mm	2
AMC-48G	G	O 1/4" = 1'-0" 1:48	1-3/32"	27.8mm	1-3/8"	34.9mm	4"	101.6mm	2
AMC-48H	H	O 1/4" = 1'-0" 1:48	1"	25.4mm	1-1/2"	38.1mm	4-1/16"	103.2mm	2
AMC-48I	I	O 1/4" = 1'-0" 1:48	1-7/64"	28.2mm	1-11/32"	34.1mm	3-1/2"	88.9mm	2
AMC-48J	J	O 1/4" = 1'-0" 1:48	1-13/64"	30.6mm	1-13/32"	35.7mm	3-7/8"	98.4mm	2
AMC-48K	K	O 1/4" = 1'-0" 1:48	7/8"	22.2mm	1-9/32"	32.5mm	3-7/16"	87.3mm	2
AMC-48M	M	O 1/4" = 1'-0" 1:48	1-1/2"	38.1mm	1-19/64"	32.9mm	3-3/8"	85.7mm	2
AMC-100A	A	HO 1/8" = 1'-0" 1:100	37/64"	14.7mm	23/32"	18.3mm	2"	50.8mm	5
AMC-100B	B	HO 1/8" = 1'-0" 1:100	5/8"	15.9mm	5/8"	15.9mm	1-7/8"	47.6mm	5
AMC-100C	C	HO 1/8" = 1'-0" 1:100	19/32"	15.1mm	5/8"	15.9mm	1-5/8"	41.3mm	5
AMC-100D	D	HO 1/8" = 1'-0" 1:100	5/8"	15.9mm	21/32"	16.7mm	1-23/32"	43.7mm	5
AMC-100E	E	HO 1/8" = 1'-0" 1:100	3/4"	19.1mm	49/64"	19.4mm	1-61/64"	49.6mm	5
AMC-100G	G	HO 1/8" = 1'-0" 1:100	1/2"	12.7mm	23/32"	18.3mm	2"	50.8mm	5
AMC-100H	H	HO 1/8" = 1'-0" 1:100	33/64"	13.1mm	3/4"	19.1mm	2-1/16"	52.4mm	5
AMC-100I	I	HO 1/8" = 1'-0" 1:100	1/2"	12.7mm	21/32"	16.7mm	1-27/32"	46.8mm	5
AMC-100J	J	HO 1/8" = 1'-0" 1:100	1/2"	12.7mm	11/16"	17.5mm	1-61/64"	49.6mm	5
AMC-100K	K	HO 1/8" = 1'-0" 1:100	31/64"	12.3mm	5/8"	15.9mm	1-3/4"	44.5mm	5
AMC-100L	L	HO 1/8" = 1'-0" 1:100	1/2"	12.7mm	5/8"	15.9mm	1-35/64"	39.3mm	5
AMC-200D	D	N 1/16" = 1'-0" 1:200	21/64"	8.3mm	3/8"	9.5mm	59/64"	23.4mm	5
AMC-200E	E	N 1/16" = 1'-0" 1:200	25/64"	9.9mm	13/32"	10.3mm	1-1/64"	25.8mm	5
AMC-200I	I	N 1/16" = 1'-0" 1:200	17/64"	6.7mm	11/32"	8.7mm	7/8"	22.2mm	5
AMC-200J	J	N 1/16" = 1'-0" 1:200	9/32"	7.1mm	11/32"	8.7mm	31/32"	24.6mm	5
AMC-200K	K	N 1/16" = 1'-0" 1:200	1/4"	6.4mm	5/16"	7.9mm	13/16"	20.6mm	5



IN A HURRY?

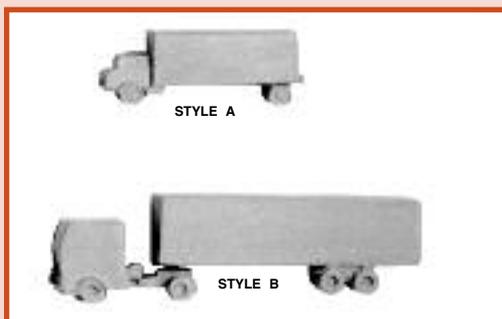
Call our Toll Free 800 Order Line and pay by VISA/MasterCard. (800) 666-7015 8:00 am-2:00 pm Pacific Time.

CAST METAL SCALE AUTOMOBILES

Add detail and scale to your architectural model with these semi-detailed, cast metal automobiles. Available in random, mixed model packages. The models shown are not an exact representation of all scales; car models will vary. Precision Cast in either a White Metal or Tin-based Metal Alloy.



CODE	STYLE	SCALE	ACTUAL SIZE						PKG. QTY.
			HEIGHT		WIDTH		LENGTH		
AMM-100A	A	1/8" = 1'-0" 1:100	17/32"	13.5mm	23/32"	18.3mm	1-3/4"	44.5mm	1
AMM-100B	B	1/8" = 1'-0" 1:100	35/64"	13.9mm	51/64"	20.2mm	2-3/32"	53.2mm	1
AMM-200A	A	1/16" = 1'-0" 1:200	19/64"	7.5mm	3/8"	9.5mm	1-1/64"	25.8mm	3
AMM-200B	B	1/16" = 1'-0" 1:200	1/4"	6.4mm	13/32"	10.3mm	1-1/8"	28.6mm	3
AMM-250A	A	1/20" = 1'-0" 1:250	7/32"	5.6mm	19/64"	7.5mm	13/16"	20.6mm	3
AMM-250B	B	1/20" = 1'-0" 1:250	13/64"	5.2mm	5/16"	7.9mm	7/8"	22.2mm	3
AMM-400A	A	1/30" = 1'-0" 1:400	1/8"	3.2mm	3/16"	4.8mm	1/2"	12.7mm	3
AMM-400B	B	1/30" = 1'-0" 1:400	1/8"	3.2mm	13/64"	5.2mm	17/32"	13.5mm	3
AMM-500A	A	1/40" = 1'-0" 1:500	1/8"	3.2mm	9/64"	3.6mm	25/64"	9.9mm	3
AMM-500B	B	1/40" = 1'-0" 1:500	1/8"	3.2mm	9/64"	3.6mm	27/64"	10.7mm	3
AMM-600A	A	1/50" = 1'-0" 1:600	5/64"	2.0mm	7/64"	2.8mm	5/16"	7.9mm	5
AMM-600B	B	1/50" = 1'-0" 1:600	3/32"	2.4mm	1/8"	3.2mm	3/8"	9.5mm	5
AMM-900A	A	1/75" = 1'-0" 1:900	3/64"	1.2mm	5/64"	2.0mm	3/16"	4.8mm	5
AMM-900B	B	1/75" = 1'-0" 1:900	3/64"	1.2mm	3/32"	2.4mm	13/64"	5.2mm	5
AMM-1200A	A	1/100" = 1'-0" 1:1200	3/64"	1.2mm	.070	1.8mm	3/16"	4.8mm	5
AMM-1200B	B	1/100" = 1'-0" 1:1200	.040	1.0mm	.070	1.8mm	.200	5.1mm	5



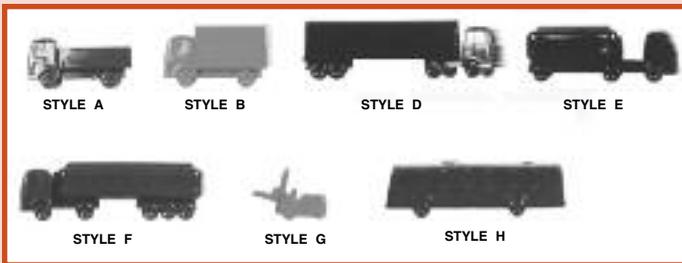
CAST METAL SCALE TRUCKS

Add detail and scale to your architectural model with these generic, nondescript delivery trucks and tractor-trailer rigs. Precision Cast in either a White Metal or Tin-based Metal Alloy.

CODE	SCALE	ACTUAL SIZE						STYLE NO.	PKG. QTY.
		HEIGHT		WIDTH		LENGTH			
TKM-200	1/16" = 1'-0" 1:200	19/32"	15.1mm	31/64"	12.3mm	1-5/8"	41.3mm	A	1
TKM-400	1/30" = 1'-0" 1:400	5/16"	7.9mm	1/4"	6.4mm	55/64"	21.8mm	A	2
TKM-500	1/40" = 1'-0" 1:500	17/64"	6.7mm	3/16"	4.8mm	5/8"	15.9mm	A	3
TKM-600	1/50" = 1'-0" 1:600	15/64"	6.0mm	11/64"	4.4mm	5/8"	15.9mm	A	4
TKM-900	1/75" = 1'-0" 1:900	5/32"	4.0mm	1/8"	3.2mm	3/8"	9.5mm	A	4
TKM-1200	1/100" = 1'-0" 1:1200	5/64"	2.0mm	5/64"	2.0mm	13/64"	5.2mm	A	5
TTM-200	1/16" = 1'-0" 1:200	25/32"	19.8mm	15/32"	11.9mm	2-7/8"	73.0mm	B	1
TTM-250	1/20" = 1'-0" 1:250	9/16"	14.3mm	13/32"	10.3mm	2-3/16"	55.6mm	B	1
TTM-400	1/30" = 1'-0" 1:400	3/8"	9.5mm	9/32"	7.1mm	1-5/8"	41.3mm	B	2
TTM-600	1/50" = 1'-0" 1:600	1/4"	6.4mm	3/16"	4.8mm	1-1/8"	28.6mm	B	3
TTM-900	1/75" = 1'-0" 1:900	3/16"	4.8mm	5/32"	4.0mm	51/64"	20.2mm	B	3
TTM-1200	1/100" = 1'-0" 1:1200	3/32"	2.4mm	5/64"	2.0mm	9/16"	14.3mm	B	4

DETAIL & ARCHITECTURAL PARTS

STYRENE PLASTIC 1:200 SCALE BUS & TRUCK KITS



Add detail and scale to your 1:200 architectural model with these generic, European style trucks and bus. Each kit requires around 5 minutes to assemble. Precision Injection Molded in White Styrene Plastic.

CODE	SCALE	ACTUAL SIZE			STYLE NO.	PKG. QTY.				
		HEIGHT	WIDTH	LENGTH						
TKK-200	1/16" = 1'-0"	1:200	9/16"	14.3mm	1/2"	12.7mm	1-3/16"	30.2mm	A	1
TKK-201	1/16" = 1'-0"	1:200	11/16"	17.5mm	1/2"	12.7mm	1-3/16"	30.2mm	B	1
TKK-203	1/16" = 1'-0"	1:200	5/8"	15.9mm	1/2"	12.7mm	2-1/4"	57.2mm	D	1
TKK-204	1/16" = 1'-0"	1:200	19/32"	15.1mm	15/32"	11.9mm	1-3/4"	44.5mm	E	1
TKK-205	1/16" = 1'-0"	1:200	19/32"	15.1mm	1/2"	12.7mm	2-5/64"	52.8mm	F	1
TKK-206	1/16" = 1'-0"	1:200	17/32"	13.5mm	11/32"	8.7mm	55/64"	21.8mm	G	1
TKK-207	1/16" = 1'-0"	1:200	9/16"	14.3mm	1/2"	12.7mm	2-1/32"	51.6mm	H	1

STYRENE PLASTIC SCALE TRUCKS

Add detail to your layout with these tractor-trailer trucks. Precision Injection Molded in White Styrene Plastic.



CODE	SCALE	ACTUAL SIZE			PKG. QTY.				
		HEIGHT	WIDTH	LENGTH					
TRTK-100	1/8" = 1'-0"	1:100	1-1/8"	28.6mm	7/8"	22.2mm	3-3/8"	85.7mm	2
TRTK-200	1/16" = 1'-0"	1:200	1/2"	12.7mm	1/2"	12.7mm	1-3/4"	44.5mm	4
TRTK-400	1/32" = 1'-0"	1:400	1/4"	6.4mm	3/32"	2.4mm	7/8"	22.2mm	8

STYRENE PLASTIC SCALE BICYCLES



Add character and scale to your layout or model with these detailed, unpainted bicycles. Styrene Rod to fabricate handlebars included. Precision Injection Molded in White Styrene Plastic.

CODE	SCALE	PKG. QTY.
BYC-48	O 1:48	2
BYC-100	HO 1:100	3
BYC-200	N 1:200	4

CAST METAL SCALE BUSES

Add detail and scale to your architectural model with these generic, nondescript city buses. Precision Cast in a Tin-based Metal Alloy.



CODE	SCALE		ACTUAL SIZE						PKG.
			HEIGHT		WIDTH		LENGTH		QTY.
BUSM-200	1/16" = 1'-0"	1:200	9/16"	14.3mm	17/32"	13.5mm	2-1/2"	63.5mm	1
BUSM-250	1/20" = 1'-0"	1:250	13/32"	10.3mm	3/8"	9.5mm	1-7/8"	47.6mm	1
BUSM-400	1/30" = 1'-0"	1:400	5/16"	7.9mm	5/16"	7.9mm	1-9/32"	32.5mm	2
BUSM-500	1/40" = 1'-0"	1:500	17/64"	6.7mm	7/32"	5.6mm	1-3/32"	27.8mm	2
BUSM-600	1/50" = 1'-0"	1:600	13/64"	5.2mm	11/64"	4.4mm	7/8"	22.2mm	3
BUSM-900	1/75" = 1'-0"	1:900	5/32"	4.0mm	9/64"	3.6mm	41/64"	16.3mm	3

PLASTIC SCALE BUSES



Add detail to your layout with these buses. Package contains an equal mix of school bus and city bus. Precision Injection Molded in White Styrene Plastic.

CODE	SCALE		ACTUAL SIZE						PKG.
			HEIGHT		WIDTH		LENGTH		QTY.
BUSES-100	1/8" = 1'-0"	1:100	1"	25.4mm	7/8"	22.2mm	3-1/2"	88.9mm	2
BUSES-200	1/16" = 1'-0"	1:200	1/2"	12.7mm	3/8"	9.5mm	1-3/4"	44.5mm	4
BUSES-400	1/32" = 1'-0"	1:400	1/4"	6.4mm	3/16"	4.8mm	7/8"	22.2mm	8

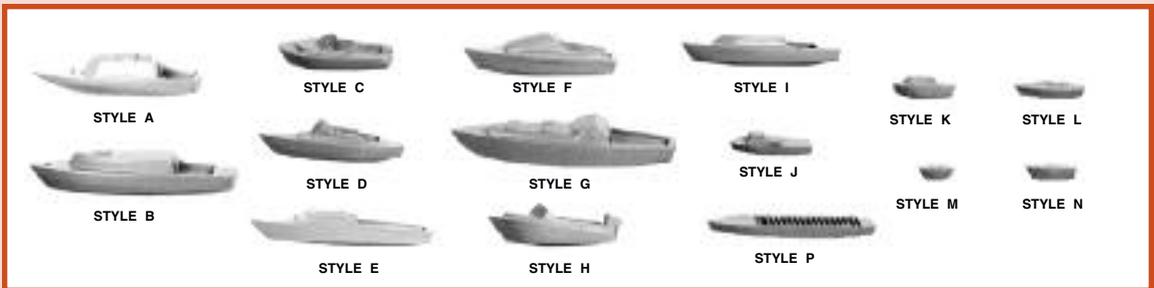
POLYETHYLENE PLASTIC SCALE PLEASURE BOATS

Add detail and scale to your layout or model with these charming pleasure boats. Precision Injection Molded in White Polyethylene Plastic.



CODE	SCALE		DESCRIPTION
BTS-100	HO	1:100	Canoe, Motor Boat, Sail Boat and Speed Boat Set
BTS-200	N	1:200	Canoe, Row Boat, Sail Boat and Speed Boat Set

URETHANE & STYRENE PLASTIC SCALE BOATS



Add detail and scale to your layout or model with these detailed boats. Use Styrene Rod and tissue paper to fabricate masts. Precision Molded in Urethane Plastic or Injection Molded in White Styrene Plastic.

CODE	SCALE	ACTUAL SIZE						STYLE NO.	PKG. QTY.
		HEIGHT		WIDTH		LENGTH			
BT-100A	1/8" = 1'-0" 1:100	37/64"	14.7mm	25/32"	19.8mm	2-45/64"	68.7mm	A	1
BT-100B	1/8" = 1'-0" 1:100	37/64"	14.7mm	55/64"	21.8mm	3-5/16"	84.1mm	B	1
BT-100D	1/8" = 1'-0" 1:100	15/32"	11.9mm	3/4"	19.1mm	1-27/32"	46.8mm	C	1
BT-100G	1/8" = 1'-0" 1:100	9/16"	14.3mm	11/16"	17.5mm	2-1/4"	68.7mm	D	1
BT-200B	1/16" = 1'-0" 1:200	31/64"	12.3mm	41/64"	16.3mm	2-57/64"	73.4mm	E	1
BT-200C	1/16" = 1'-0" 1:200	7/16"	11.1mm	19/32"	15.1mm	1-27/32"	46.8mm	F	1
BT-200F	1/16" = 1'-0" 1:200	15/32"	11.9mm	27/32"	21.4mm	2-45/64"	68.7mm	G	1
BT-200H	1/16" = 1'-0" 1:200	15/32"	11.9mm	19/32"	15.1mm	1-37/64"	40.1mm	H	1
BT-250F	1/20" = 1'-0" 1:250	5/16"	7.9mm	5/8"	15.9mm	1-7/8"	47.6mm	I	1
BT-500D	1/40" = 1'-0" 1:500	13/64"	5.2mm	21/64"	8.3mm	1"	25.4mm	J	3
BT-600A	1/50" = 1'-0" 1:600	5/32"	4.0mm	13/64"	5.2mm	1/2"	12.7mm	K	5
BT-600B	1/50" = 1'-0" 1:600	5/64"	2.0mm	3/16"	4.8mm	37/64"	14.7mm	L	5
BT-1200A	1/100" = 1'-0" 1:1200	5/64"	2.0mm	1/8"	3.2mm	5/16"	7.9mm	M	5
BT-1200B	1/100" = 1'-0" 1:1200	1/16"	1.6mm	3/32"	2.4mm	7/32"	5.6mm	N	5
BT-1200C	1/100" = 1'-0" 1:1200	5/64"	2.0mm	21/64"	8.3mm	1-11/32"	34.1mm	P	3

CAST METAL SCALE BOATS

Add detail and scale to your layout or model with these generic, nondescript motor and sail boats. Fabricate masts with Styrene or brass rod, and the sails with tissue paper. Precision Cast in a Tin-based Metal Alloy.



CODE	SCALE	ACTUAL SIZE						STYLE NO.	PKG. QTY.
		HEIGHT		WIDTH		LENGTH			
BTM-200A	1/16" = 1'-0" 1:200	3/8"	9.5mm	51/64"	20.2mm	2-1/8"	54.0mm	A	1
BTM-200B	1/16" = 1'-0" 1:200	11/32"	8.7mm	23/32"	18.3mm	2-9/16"	65.1mm	B	1
BTM-250A	1/20" = 1'-0" 1:250	1/4"	6.4mm	29/64"	11.5mm	1-1/2"	38.1mm	A	2
BTM-250B	1/20" = 1'-0" 1:250	1/4"	6.4mm	5/8"	15.9mm	2"	50.8mm	B	2
BTM-400A	1/30" = 1'-0" 1:400	3/16"	4.8mm	3/8"	9.5mm	1"	25.4mm	A	2
BTM-400B	1/30" = 1'-0" 1:400	1/8"	3.2mm	5/16"	7.9mm	1-3/16"	30.2mm	B	2
BTM-500A	1/40" = 1'-0" 1:500	9/64"	3.6mm	7/32"	5.6mm	43/64"	17.1mm	A	3
BTM-500B	1/40" = 1'-0" 1:500	3/32"	2.4mm	1/4"	6.4mm	5/8"	15.9mm	B	3
BTM-900A	1/75" = 1'-0" 1:900	3/32"	2.4mm	1/8"	3.2mm	11/32"	8.7mm	A	3
BTM-900B	1/75" = 1'-0" 1:900	1/16"	1.6mm	1/32"	0.8mm	3/8"	9.5mm	B	3
BTM-1200A	1/100" = 1'-0" 1:1200	1/16"	1.6mm	5/64"	2.0mm	7/32"	5.6mm	A	5
BTM-1200B	1/100" = 1'-0" 1:1200	3/64"	1.2mm	1/32"	0.8mm	7/32"	5.6mm	B	5

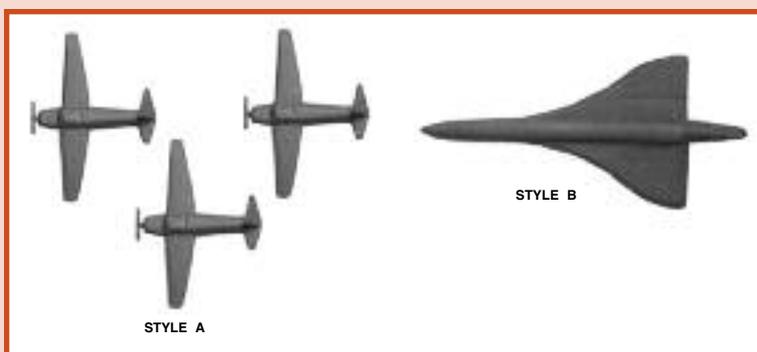
POLYETHYLENE PLASTIC SCALE TRAINS

Add detail and scale to your architectural model with these miniature freight and old fashioned troop trains and track. Also great for representing train layouts in doll houses. Trains are Precision Injection Molded in Polyethylene Plastic. Track is Precision Injection Molded in Black Styrene Plastic.



CODE	STYLE	DESCRIPTION	SCALE	ACTUAL SIZE				PKG. QTY.
				HEIGHT	LENGTH	WIDTH	DEPTH	
TRF-200	A	Freight Train	1/16" = 1'-0" 1:200	7/8"	22.2mm	27-1/2"	700mm	Set of 10
TRF-500	A	Freight Train	1/40" = 1'-0" 1:500	3/8"	9.5mm	14"	350mm	Set of 12
TRP-200	B	Troop Passenger Train	1/16" = 1'-0" 1:200	15/16"	23.8mm	29"	735mm	Set of 8
TRP-500	B	Troop Passenger Train	1/40" = 1'-0" 1:500	3/8"	9.5mm	14-1/2"	370mm	Set of 10
TRTC-200	C	Curved Track Sections	1/16" = 1'-0" 1:200	N/A	N/A	8"	200mm	2
TRTC-500	C	Curved Track Sections	1/40" = 1'-0" 1:500	N/A	N/A	8"	200mm	2
TRTI-200	D	Track Intersections	1/16" = 1'-0" 1:200	N/A	N/A	4"	100mm	3
TRTI-500	D	Track Intersections	1/40" = 1'-0" 1:500	N/A	N/A	2"	50mm	5
TRTS-200	E	Straight Track Sections	1/16" = 1'-0" 1:200	N/A	N/A	8"	200mm	2
TRTS-500	E	Straight Track Sections	1/40" = 1'-0" 1:500	N/A	N/A	8"	200mm	2

POLYETHYLENE PLASTIC SCALE AIRPLANES



Add detail and scale to your N Scale layout or architectural model with these generic injection passenger airplanes. Precision Injection Molded in White Polyethylene Plastic.

CODE	STYLE	MODEL	SCALE	ACTUAL SIZE						PKG. QTY.
				HEIGHT	WIDTH	LENGTH	DEPTH	WINGSPAN	TAILSPAN	
AIR-200A	A	Prop	1/16" = 1'-0" 1:200	5/16"	7.9mm	2-1/8"	54.0mm	1-5/8"	41.3mm	6
AIR-500A	A	Prop	1/40" = 1'-0" 1:500	1/8"	3.2mm	13/16"	20.6mm	21/32"	16.7mm	6
AIR-500B	B	SST	1/40" = 1'-0" 1:500	5/8"	15.9mm	2"	50.8mm	4-1/4"	108.0mm	2
AIR-1000A	A	Prop	1/80" = 1'-0" 1:1000	1/16"	1.6mm	13/32"	10.3mm	5/16"	7.9mm	6
AIR-1000B	B	SST	1/80" = 1'-0" 1:1000	5/16"	7.9mm	1-1/16"	27.0mm	2-1/16"	52.4mm	2

STYRENE PLASTIC SCALE BUSINESS FIGURES

Add scale to your architectural model with these generic, nondescript business figures. Figures represent male and female. Pins provide secure, easy fastening to the model base. Precision Injection Molded in White Styrene Plastic.



CODE	SCALE		ACTUAL HEIGHT		PKG. QTY.
FI-48	1/4" = 1'-0"	1:48	1-1/2"	38.1mm	5
FI-87	1/7" = 1'-0"	1:87	15/16"	23.8mm	10
FI-100	1/8" = 1'-0"	1:100	3/4"	19.1mm	25
FI-125	3/32" = 1'-0"	1:125	9/16"	14.3mm	25
FI-200	1/16" = 1'-0"	1:200	3/8"	9.5mm	25
FI-250	1/20" = 1'-0"	1:250	19/64"	7.5mm	25
FI-400	1/30" = 1'-0"	1:400	7/32"	5.6mm	25

STYRENE PLASTIC SCALE CITY FIGURES

Add detail and scale to your layout or model with these super detailed, animated city figure sets. One set consists of the figures pictured (SFI-24 figures are a slightly different pose than pictured. SFI-25 female head will need to be attached). Dimensions shown are for the tallest figure in the illustration. Precision Injection Molded in White Styrene Plastic.

Also available hand-painted (except SFI-24 & SFI-501) as the illustration shows. To order, add P to end of code. Example: SFI-87P



CODE	STYLE	SCALE	ACTUAL HEIGHT		SETS / PKG.	
SFI-24	A	G 1/2" = 1'-0"	1:24	3-1/8"	79.4mm	1
SFI-25	B	G 1/2" = 1'-0"	1:24	3-1/8"	79.4mm	1
SFI-48	A	O 1/4" = 1'-0"	1:48	1-1/2"	38.1mm	1
SFI-49	B	O 1/4" = 1'-0"	1:48	1-1/2"	38.1mm	1
SFI-87	A	HO 1/7" = 1'-0"	1:87	27/32"	21.4mm	1
SFI-88	B	HO 1/7" = 1'-0"	1:87	27/32"	21.4mm	1
SFI-100	A	1/8" = 1'-0"	1:100	47/64"	18.7mm	2
SFI-101	B	1/8" = 1'-0"	1:100	47/64"	18.7mm	2
SFI-160	A	N 3/32" = 1'-0"	1:160	15/32"	11.9mm	2
SFI-161	B	N 3/32" = 1'-0"	1:160	15/32"	11.9mm	2
SFI-200	A	1/16" = 1'-0"	1:200	3/8"	9.5mm	2
SFI-201	B	1/16" = 1'-0"	1:200	3/8"	9.5mm	2
SFI-250	A	Z 1/20" = 1'-0"	1:250	21/64"	8.3mm	2
SFI-251	B	Z 1/20" = 1'-0"	1:250	21/64"	8.3mm	2
SFI-501	B	1/40" = 1'-0"	1:500	5/32"	4.0mm	2

POLYETHYLENE PLASTIC FAMILY FIGURES



Add detail and scale to your layout or model with these family group figures. Varied family groups include parents and children. Dimensions shown are for the adult male figure. Precision Injection Molded in Polyethylene Plastic.

Also available hand-painted as the illustration shows. To order, add P to end of code.

Example: PFI-24P

CODE	SCALE	ACTUAL HEIGHT	PKG. QTY.
PFI-24	G 1/2" = 1'-0" 1:24	2-15/16" 74.6mm	Set of 4
PFI-48	O 1/4" = 1'-0" 1:48	1-13/32" 35.7mm	Set of 6
PFI-100	HO 1/8" = 1'-0" 1:100	23/32" 18.3mm	Set of 9
PFI-200	N 1/16" = 1'-0" 1:200	3/8" 9.5mm	Set of 9

POLYETHYLENE PLASTIC SCALE POSABLE FIGURES



Add scale to your architectural model with these unique, posable, mannequin figures. Packaged in equal quantities of male and female figures. Mounting pins provide secure attachment to model base. Precision Injection Molded in Flesh Polyethylene Plastic.

CODE	SCALE	ACTUAL HEIGHT	PKG. QTY.
MFI-24	1/2" = 1'-0" 1:24	2-11/16" 68.3mm	2
MFI-48	1/4" = 1'-0" 1:48	1-3/8" 34.9mm	8



Photo courtesy of Universal Services Associates, Colwyn, PA



IN A HURRY?

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STYRENE PLASTIC SILHOUETTE FIGURES



Add scale to your architectural model with these nondescript single and double silhouette figures. Packaged in random sets of 4 figures of the pictured poses. Mounting pins provide secure attachment to model base. Precision Injection Molded in White Styrene Plastic.

CODE	SCALE		ACTUAL HEIGHT		PKG. QTY.
FIS-48	1/4" = 1'-0"	1:48	1-13/32"	35.7mm	5 Sets
FIS-100	1/8" = 1'-0"	1:100	23/32"	18.3mm	5 Sets
FIS-200	1/16" = 1'-0"	1:200	11/32"	8.7mm	5 Sets
FIS-500	1/40" = 1'-0"	1:500	5/32"	4.0mm	5 Sets

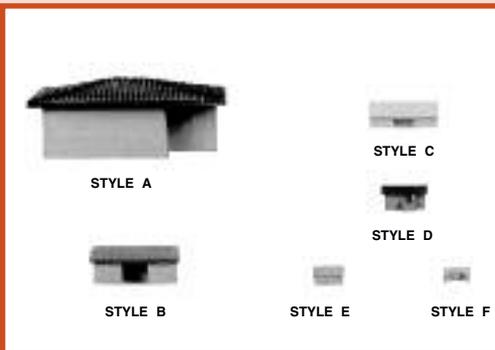
ABS INDUSTRIAL SCALE FIGURES

Highly detailed, unpainted scale figures for use in industrial settings. Precision Injection Molded in Tan ABS Plastic.



CODE	SCALE		ACTUAL HEIGHT	
FR-8	O	1:48	1-13/16"	46.0mm
FR-12	#1	1:32	2-5/8"	66.7mm
FR-16	G	1:24	3-9/16"	90.5mm
FR-24	Steam	1:16	5-1/4"	158.8mm
FS-8	O	1:48	1-1/2"	38.1mm
FS-12	#1	1:32	2-5/16"	58.7mm
FS-16	G	1:24	3"	76.2mm
FS-24	Steam	1:16	4-9/16"	115.9mm

STYRENE & POLYETHYLENE PLASTIC SCALE HOUSES



Add scale to your planning model with these assorted model houses. Packaged in mixed assortments of models. Illustration does not include all models within the scale. Dimensions are for the pictured model (largest in the scale), and include roof overhang. 1:900 and 1:1200 scales also include two-story homes. Precision Injection Molded in White Styrene Plastic or Polyethylene Plastic.

CODE	STYLE	SCALE	ACTUAL SIZE						PKG. QTY.
			HEIGHT		WIDTH		DEPTH		
HS-200	A	1/16" = 1'-0" 1:200	13/16"	20.6mm	2-5/32"	54.8mm	1-9/16"	39.7mm	4
HS-500	B	1/40" = 1'-0" 1:500	3/8"	9.5mm	1"	25.4mm	11/16"	17.5mm	7
HS-600	C	1/50" = 1'-0" 1:600	1/4"	6.4mm	51/64"	20.2mm	9/16"	14.3mm	10
HS-900	D	1/75" = 1'-0" 1:900	1/4"	6.4mm	15/32"	11.9mm	5/16"	7.9mm	12
HS-1200	E	1/100" = 1'-0" 1:1200	3/16"	4.8mm	3/8"	9.5mm	19/64"	7.5mm	10
HS-1800	F	1/150" = 1'-0" 1:1800	1/8"	3.2mm	11/32"	8.7mm	19/64"	7.5mm	10

INTERIOR ARCHITECTURAL PARTS

PLASTIC SCALE OFFICE LAYOUT SETS



Use for office planning or architectural models. Also ideal for extra detail of model railroad office building interiors. Precision Injection Molded in Brown Polyethylene Plastic.

CODE	STYLE	DESCRIPTION	SCALE		PKG. QTY.
OLP-48	A	One Office Set With Phone & Typewriter	1/4" = 1'-0"	1:48	8 Pc. Set
OLP-100	A & B	One Executive & One Secretarial Office Set	1/8" = 1'-0"	1:100	14 Pc. Set

PLASTIC SCALE DESKS



Use for office planning or architectural models. May also be used to add extra detail to your model railroad layout building interiors. Some assembly required on most items. Precision Injection Molded in Styrene Plastic.

CODE	STYLE	DESCRIPTION	SCALE	ACTUAL SIZE				PKG. QTY.	
				HEIGHT		WIDTH			
OLD-10	A	Desk With Return	1/4" = 1'-0"	1:48	19/32"	15.1mm	1-7/32"	31.0mm	1
OLD-20	B	Desk With Dbl. Pedestals	1/4" = 1'-0"	1:48	19/32"	15.1mm	1-7/32"	31.0mm	1
OLD-22	B	Desk With Dbl. Pedestals	1/2" = 1'-0"	1:24	1-3/16"	30.2mm	2-1/2"	63.5mm	1
OLD-30	C	Work Table	1/4" = 1'-0"	1:48	19/32"	15.1mm	1-7/32"	31.0mm	1
OLD-32	C	Work Table	1/2" = 1'-0"	1:24	1-3/16"	30.2mm	2-1/2"	63.5mm	1
OLD-40	D	Desk With Sngl. Pedestal	1/4" = 1'-0"	1:48	19/32"	15.1mm	1-7/32"	31.0mm	1
OLD-42	D	Desk With Sngl. Pedestal	1/2" = 1'-0"	1:24	1-3/16"	30.2mm	2-1/2"	63.5mm	1
OLD-50	E	Upright Drawing Table	1/4" = 1'-0"	1:48	1-1/2"	38.1mm	1-3/16"	30.2mm	1
OLD-52	E	Upright Drawing Table	1/2" = 1'-0"	1:24	3"	76.2mm	2-1/2"	63.5mm	1
OLD-60	F	Executive Desk	1/4" = 1'-0"	1:48	19/32"	15.1mm	1-1/4"	31.8mm	1
OLDS-24	G	Drawing Table With Stool	1/2" = 1'-0"	1:24	1-3/4"	44.5mm	2-1/16"	52.4mm	12 Pc Set
OLDS-48	G	Drawing Table With Stool	1/4" = 1'-0"	1:48	7/8"	22.2mm	1-1/16"	27.0mm	3 Pc Set



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INTERIOR ARCHITECTURAL PARTS

PLASTIC SCALE FILES

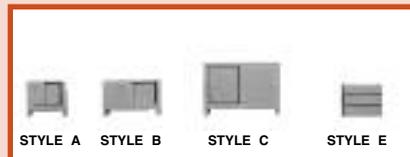


Use for office planning or architectural models. May also be used to add extra detail to your model railroad layout building interiors. Minimal assembly required on some items. Precision Injection Molded in Styrene Plastic or fabricated from Acrylic Plastic.

CODE	STYLE	DESCRIPTION	SCALE		ACTUAL SIZE				PKG.
					HEIGHT		WIDTH		QTY.
OLF-10	A	Vertical 4 Drawer File	1/4" = 1'-0"	1:48	1-1/16"	27.0mm	5/16"	7.9mm	1
OLF-20	B	Horizontal 2 Drawer File	1/4" = 1'-0"	1:48	1/2"	12.7mm	3/4"	19.1mm	1
OLF-22	B	Horizontal 2 Drawer File	1/2" = 1'-0"	1:24	1-1/32"	26.5mm	1-3/16"	30.2mm	1
OLF-30	C	Horizontal 3 Drawer File	1/4" = 1'-0"	1:48	3/4"	19.1mm	3/4"	19.1mm	1
OLF-32	C	Horizontal 3 Drawer File	1/2" = 1'-0"	1:24	1-1/2"	38.1mm	1-3/16"	30.2mm	1
OLF-40	D	Horizontal 4 Drawer File	1/4" = 1'-0"	1:48	7/8"	22.2mm	3/4"	19.1mm	1
OLF-42	D	Horizontal 4 Drawer File	1/2" = 1'-0"	1:24	2"	50.8mm	1-3/16"	30.2mm	1

PLASTIC SCALE CREDENZAS & CABINET

Use for miniature interiors, office planning or architectural models. May also be used to add extra detail to your model railroad layout building interiors. Minimal assembly required. Precision Injection Molded in Styrene Plastic.



CODE	STYLE	DESCRIPTION	SCALE		ACTUAL SIZE				PKG.
					HEIGHT		WIDTH		QTY.
OLS-10	A	Credenza	1/4" = 1'-0"	1:48	19/32"	15.1mm	19/32"	15.1mm	1
OLS-20	B	Credenza	1/4" = 1'-0"	1:48	19/32"	15.1mm	29/32"	23.0mm	1
OLS-30	C	Credenza	1/4" = 1'-0"	1:48	7/8"	22.2mm	1-7/32"	31.0mm	1
OLS-50	E	Credenza	1/4" = 1'-0"	1:48	17/32"	13.5mm	5/8"	15.9mm	1



PLASTIC SCALE TABLES

Use for miniature interiors, office planning or architectural models. FUTS-48 dimensions are for the table. May also be used to add extra detail to your model railroad layout building interiors. See dining room sets for additional styles and sizes. Precision Injection Molded in Styrene Plastic.

CODE	STYLE	DESCRIPTION	SCALE		ACTUAL SIZE				PKG.
					HEIGHT		WIDTH		QTY.
FUTS-48	A	Table & 4 Chair Set	1/4" = 1'-0"	1:48	5/8"	15.9mm	3/4"	19.1mm	1 Set
HKT-24A	B	Round Table	1/2" = 1'-0"	1:24	1-1/8"	28.6mm	1-3/4"	44.5mm	1
HKT-24B	E	Round Pedestal Table	1/2" = 1'-0"	1:24	1-1/64"	25.8mm	1-3/4"	44.5mm	1
OLT-10	B	Round Coffee Table	1/4" = 1'-0"	1:48	7/16"	11.1mm	15/16"	23.8mm	1
OLT-20	C	Rectangular Coffee Table	1/4" = 1'-0"	1:48	7/16"	11.1mm	1-3/32"	27.8mm	1
OLT-30	D	Square End Table	1/4" = 1'-0"	1:48	1/4"	6.4mm	19/32"	15.1mm	1

INTERIOR ARCHITECTURAL PARTS

PLASTIC SCALE CHAIRS



Use for miniature interiors, office planning or architectural models. May also be used to add extra detail to your model railroad layout building interiors. Some assembly required on most items. Precision Injection Molded in Styrene Plastic.



CODE	STYLE	DESCRIPTION	SCALE		ACTUAL SIZE			PKG. QTY.	
					HEIGHT	WIDTH			
HDC-24	A	Dining Chair	1/2" = 1'-0"	1:24	1-9/16"	39.7mm	13/16"	20.6mm	1
OLC-10	B	Work Station Chair	1/4" = 1'-0"	1:48	21/32"	16.7mm	13/32"	10.3mm	1
OLC-20	C	Standard Chair	1/4" = 1'-0"	1:48	11/16"	17.5mm	13/32"	10.3mm	1
OLC-30	D	Steno Chair	1/4" = 1'-0"	1:48	5/8"	15.9mm	25/64"	9.9mm	1
OLC-32	D	Steno Chair	1/2" = 1'-0"	1:24	1-5/16"	33.3mm	3/4"	19.1mm	1
OLC-40	E	Standard Chair	1/4" = 1'-0"	1:48	21/32"	16.7mm	25/64"	9.9mm	1
OLC-42	C	Standard Chair	1/2" = 1'-0"	1:24	1-9/32"	32.5mm	25/32"	19.8mm	1
OLC-50	F	Executive Chair	1/4" = 1'-0"	1:48	43/64"	17.1mm	29/64"	11.5mm	1
OLC-52	F	Executive Chair	1/2" = 1'-0"	1:24	1-5/16"	33.3mm	13/16"	20.6mm	1
OLC-60	G	Lounge Chair	1/4" = 1'-0"	1:48	17/32"	13.5mm	21/32"	16.7mm	1
OLC-70	H	Lounge Chair	1/4" = 1'-0"	1:48	17/32"	13.5mm	5/8"	15.9mm	1
OLC-72	H	Lounge Chair	1/2" = 1'-0"	1:24	1-7/16"	36.5mm	1-13/32"	35.7mm	1
OLC-80	I	Drafting Pedestal Chair	1/4" = 1'-0"	1:48	27/32"	21.4mm	13/32"	10.3mm	1
OLC-82	I	Drafting Pedestal Chair	1/2" = 1'-0"	1:24	1-5/8"	41.3mm	25/32"	19.8mm	1
OLC-90	J	Executive Chair	1/4" = 1'-0"	1:48	19/32"	15.1mm	39/64"	15.5mm	2
OLC-92	K	Arm Chair	1/2" = 1'-0"	1:24	1-9/32"	32.5mm	13/16"	20.6mm	1
OLC-100	L	Steno Chair	1/4" = 1'-0"	1:48	11/16"	17.5mm	3/8"	9.5mm	2
OLC-112	M	Armless Lounge Chair	1/2" = 1'-0"	1:24	1-3/16"	30.2mm	13/16"	20.6mm	1
OLC-122	N	Arm Lounge Chair	1/2" = 1'-0"	1:24	1-3/16"	30.2mm	1-1/16"	27.0mm	1
HRC-24	O	Dining Chair	1/2" = 1'-0"	1:24	1-3/4"	44.5mm	3/4"	19.1mm	1
HFC-24	P	Dining Chair	1/2" = 1'-0"	1:24	1-3/4"	44.5mm	3/4"	19.1mm	1

PLASTIC SCALE THEATER SEATS



Use for theater planning or architectural models. May also be used to add extra detail to your model railroad layout building interiors. Precision Injection Molded in Polyethylene Plastic.

CODE	SCALE	ACTUAL SIZE			SEATS	
		HEIGHT	LENGTH	PER SET		
THES-24	1/2" = 1'-0" 1:24	1-1/4"	31.8mm	3-1/2"	88.9mm	4
THES-48	1/4" = 1'-0" 1:48	21/32"	16.7mm	3-1/2"	88.9mm	8
THES-100	1/8" = 1'-0" 1:100	5/16"	7.9mm	3-1/2"	88.9mm	16

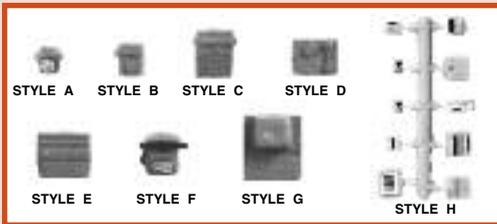


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INTERIOR ARCHITECTURAL PARTS

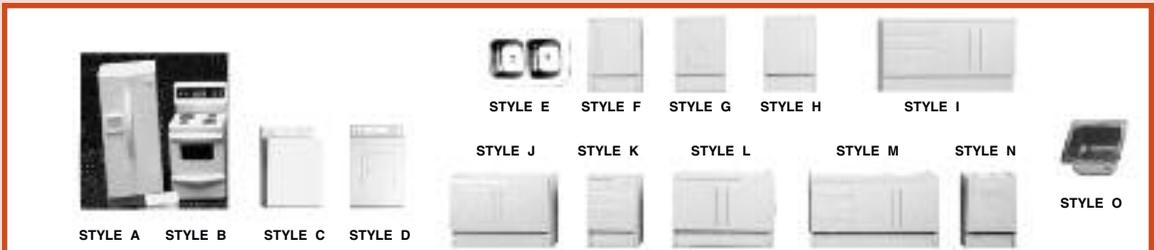
PLASTIC SCALE PHONES, COMPUTERS, ETC.



Use for office planning or architectural models. May also be used to add extra detail to your model railroad layout building interiors. Add extra detail to your office or home layout with these phones, computers, etc. OLM-100 includes a CPU, Screen, Keyboard, Word Processor, Printer, Copy Machine, Calculator, Fax-Phone and two separate Phones. Precision Injection Molded in Styrene or Polyethylene Plastic.

CODE	STYLE	DESCRIPTION	SCALE		PKG.
					QTY.
OLM-5	A	Rotary Dial Phone	1/2" = 1'-0"	1:24	1
OLM-10	B	Rotary Dial Phone	1/4" = 1'-0"	1:48	1
OLM-12	C	Push Button Phone	1/2" = 1'-0"	1:24	1
OLM-15	A	Rotary Dial Phone	1/4" = 1'-0"	1:48	1
OLM-20	D	Console Phone	1/4" = 1'-0"	1:48	1
OLM-30	E	Electric Typewriter	1/4" = 1'-0"	1:48	1
OLM-32	E	Electric Typewriter	1/2" = 1'-0"	1:24	1
OLM-35	F	Manual Typewriter	1/4" = 1'-0"	1:48	1
OLM-40	G	PC Computer	1/4" = 1'-0"	1:48	1
OLM-42	G	PC Computer	1/2" = 1'-0"	1:24	1
OLM-100	H	Office Equipment Set	1/4" = 1'-0"	1:48	1 Set

PLASTIC SCALE KITCHEN FURNITURE & APPLIANCES



Use for miniature interiors, office planning or architectural models. May also be used to add extra detail to your model railroad layout building interiors. Assembly required. See our Collector Appliances on the next page for more detailed appliances. Precision Injection Molded or Vacuum Formed in Styrene Plastic, or Fabricated from other Plastic Materials.

CODE	STYLE	DESCRIPTION	SCALE		ACTUAL SIZE				PKG.
					HEIGHT		WIDTH		QTY.
APL-8124	B	Stove With Oven	1/2" = 1'-0"	1:24	2-1/8"	54.0mm	1-7/32"	31.0mm	1
APL-8224	A	Side By Side Refrigerator	1/2" = 1'-0"	1:24	2-7/8"	73.0mm	1-9/32"	32.5mm	1
APL-8301	C	Washing Machine	1" = 1'-0"	1:12	3-1/2"	88.9mm	2-5/16"	58.7mm	1
APL-8401	D	Clothes Dryer	1" = 1'-0"	1:12	3-1/2"	88.9mm	2-5/16"	58.7mm	1
DKS-12	E	Double Aluminum Sink	1" = 1'-0"	1:12	N/A	N/A	2-11/16"	68.3mm	1
DKS-24	E	Double Aluminum Sink	1/2" = 1'-0"	1:24	N/A	N/A	1-1/2"	38.1mm	1
HAF-24	F	Half Height Refrigerator	1/2" = 1'-0"	1:24	1-11/32"	34.1mm	15/16"	23.8mm	1
HCD-24	G	Clothes Dryer	1/2" = 1'-0"	1:24	1-11/32"	34.1mm	15/16"	23.8mm	1
HCW-24	H	Washing Machine	1/2" = 1'-0"	1:24	1-11/32"	34.1mm	15/16"	23.8mm	1
HKC-24A	I	Kitchen Cabinet W/Drawers	1/2" = 1'-0"	1:24	1-11/32"	34.1mm	2-11/32"	59.5mm	1
HKC-24B	J	Kitchen Cabinet	1/2" = 1'-0"	1:24	1-11/32"	34.1mm	1-7/8"	47.6mm	1
HKC-24C	K	Kitchen Cabinet	1/2" = 1'-0"	1:24	1-11/32"	34.1mm	15/16"	23.8mm	1
HKD-24	L	Double Kitchen Sink	1/2" = 1'-0"	1:24	1-11/32"	34.1mm	1-7/8"	47.6mm	1
HKS-24	M	Double Sink W/Drawers	1/2" = 1'-0"	1:24	1-11/32"	34.1mm	2-11/32"	59.5mm	1
HSO-24	N	Built-in Stove & Oven	1/2" = 1'-0"	1:24	1-11/32"	34.1mm	15/16"	23.8mm	1
SKS-12	O	Single Aluminum Sink	1" = 1'-0"	1:12	N/A	N/A	1-7/16"	36.5mm	1

PLASTIC SCALE TOILETS & SINKS



Use for interior planning, doll house or architectural models. May also be used to add extra detail to your model railroad layout building interiors. Precision Injection Molded or Vacuum Formed in White Styrene or Polyethylene Plastic. 1:12 Scale items are Vacuum Formed in Clear to allow easy personal finishing to your desired color while retaining a realistic appearance.

CODE	STYLE	DESCRIPTION	SCALE		PKG. QTY.
HBB-24	A	Bidet	1/2" = 1'-0"	1:24	1
HDT-24	B	Industrial Toilet	1/2" = 1'-0"	1:24	1
HPS-24	C	28" Pedestal Sink	1/2" = 1'-0"	1:24	1
HSF-24	D	30" Shower Stall Floor	1/2" = 1'-0"	1:24	1
OLB-10	B	Industrial Toilet	1/4" = 1'-0"	1:48	1
OLB-15	E	Industrial Sink & Toilet Set	1/4" = 1'-0"	1:48	2 Sets
OLB-20	F	Standard Toilet	1/4" = 1'-0"	1:48	1
OLB-22	F	Standard Toilet	1/2" = 1'-0"	1:24	1
OLB-30	G	24" Corner Wall Sink	1/4" = 1'-0"	1:48	1
OLB-40	H	21" Wall Sink	1/4" = 1'-0"	1:48	1
OLB-50	I	Wall Urinal	1/4" = 1'-0"	1:48	1
OLB-52	I	Wall Urinal	1/2" = 1'-0"	1:24	1
OLB-55	J	Wall Urinal	1/4" = 1'-0"	1:48	6
OLB-60	K	Single Floor Urinal	1/4" = 1'-0"	1:48	1
OLB-62	K	Single Floor Urinal	1/2" = 1'-0"	1:24	1
OLB-72	H	22" Wall Sink	1/2" = 1'-0"	1:24	1
OLB-155	J	Wall Urinal	1/8" = 1'-0"	1:100	8
PES-12	C	24" Pedestal Sink	1" = 1'-0"	1:12	1
TOT-12	L	Low Boy Toilet	1" = 1'-0"	1:12	1
TOT-24	L	Low Boy Toilet	1/2" = 1'-0"	1:24	1
VAS-12	M	20" Vanity Sink	1" = 1'-0"	1:12	1
VAS-24	M	20" Vanity Sink	1/2" = 1'-0"	1:24	1

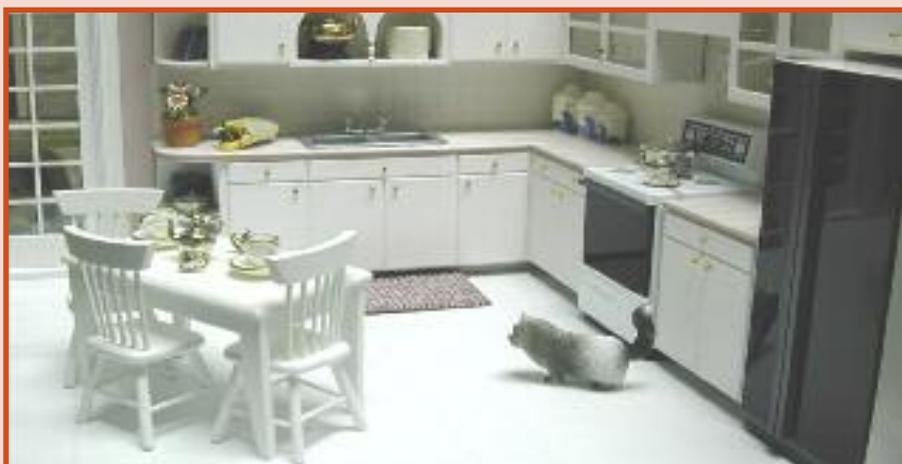


Photo courtesy of MODEL BUILDERS SUPPLY, Ontario, Canada

PLASTIC SCALE BATH & HOT TUBS



Use for doll house models. May also be used to add extra detail to your model railroad layout building interiors. 1:12 Scale items are Vacuum Formed in Clear to allow easy personal finishing (on rear side) to your desired color while retaining a realistic appearance. 1:24 Scale items are Precision Vacuum Formed in White Styrene. Dimensions represent finished installation.

CODE	STYLE	DESCRIPTION	SCALE	ACTUAL SIZE				
				LENGTH		WIDTH		
HBT-24	A	Rectangular Bathtub	1/2" = 1'-0"	1:24	2-5/8"	66.7mm	1-1/32"	51.6mm
HOB-12	B	Octagonal Hot Tub	1" = 1'-0"	1:12	6-5/16"	160.3mm	6-5/16"	160.3mm
HTB-12	C	Round Hot Tub	1" = 1'-0"	1:12	6-1/4"	158.8mm	6-1/4"	158.8mm
HZB-24	D	Rectangular Hot Tub	1/2" = 1'-0"	1:24	3-1/8"	79.6mm	2"	50.8mm
OBT-12	E	Oblong Bathtub With Siding	1" = 1'-0"	1:12	5-3/8"	136.5mm	2-7/16"	61.9mm
OBT-24	F	Oblong Bathtub	1/2" = 1'-0"	1:24	2-13/16"	71.4mm	1-5/16"	33.3mm
OVT-12	G	Oval Bathtub	1" = 1'-0"	1:12	5-7/16"	138.1mm	3-3/4"	95.3mm
OVT-24	G	Oval Bathtub	1/2" = 1'-0"	1:24	2-3/4"	69.9mm	1-3/4"	44.5mm



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INTERIOR ARCHITECTURAL PARTS

1:12 SINK & SHOWER FAUCETS

The finishing touch for your 1:12 doll house tubs and sinks found above and on the previous page. Easy installation by creating a hole using a drill, scriber or awl. Attach using cyanoacrylate glue from the underside.



CODE	STYLE	DESCRIPTION	SCALE		PKG. QTY.
PHTC-12	A	Chrome Bath & Shower	1" = 1'-0"	1:12	3 Pc. Set
PHTG-12	A	Gold Bath & Shower	1" = 1'-0"	1:12	3 Pc. Set
PHKS-12	B	Chrome Kitchen	1" = 1'-0"	1:12	2 Pc. Set
PHVG-12	C	Gold Ornamental Vanity	1" = 1'-0"	1:12	2 Pc. Set
PHVC-12	D	Chrome Vanity	1" = 1'-0"	1:12	2 Pc. Set

PLASTIC SCALE BATHROOM SETS



Use for miniature interiors or architectural models. May also be used to add extra detail to your model railroad layout building interiors. Set consists of two toilets, two sinks, two mirrors, one bathtub and one water heater. Precision Injection Molded in Polyethylene Plastic.

CODE	SCALE		PKG. QTY.
HLH-48	1/4" = 1'-0"	1:48	8 Pc Set
HLH-100	1/8" = 1'-0"	1:100	8 Pc Set

1:12 SHOWER/TUB ENCLOSURE KIT

Build your own shower/bathtub enclosure with this easy to use plastic kit. All pieces are already cut to size, ready to assemble and paint. Tub and tile sheet are clear, allowing you to choose a color to match your decor. Applying any acrylic paint to the reverse or underside will produce a high gloss finish. Tile pattern grooves allow applying "grouting" for a realistic look.

Kit includes Clear Tub, Clear Tile Sheet, Chrome Bath & Shower Faucet Set (PHTC-12), and instructions.

CODE: KIT-8020



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INTERIOR ARCHITECTURAL PARTS

PLASTIC SCALE LIVING ROOM FURNITURE

Use for interior planning, doll house or architectural models. May also be used to add extra detail to your model railroad layout building interiors. Precision Injection Molded in White Styrene or Cast in Urethane Plastic.



CODE	STYLE	DESCRIPTION	SCALE		ACTUAL SIZE			
					HEIGHT		LENGTH	
CHR-24	A	Sofa Chair	1/2" = 1'-0"	1:24	1-5/16"	33.3mm	1-19/32"	40.5mm
LOV-24	B	Love Seat	1/2" = 1'-0"	1:24	1-1/4"	31.8mm	2-5/8"	66.7mm
SOFA-24	C	Sofa	1/2" = 1'-0"	1:24	1-1/4"	31.8mm	3-7/16"	87.3mm
HTV-24	D	TV	1/2" = 1'-0"	1:24	23/32"	18.3mm	1-7/32"	31.0mm

PLASTIC SCALE LIVING ROOM SETS

Use for miniature interiors or architectural models. May also be used to add extra detail to your model railroad layout building interiors. Set consists of a sectional sofa, TV/entertainment center, art and floor lamp. 1:48 also includes a coffee table. Precision Injection Molded in Polyethylene Plastic.



CODE	SCALE		PKG. QTY.
HLL-48	1/4" = 1'-0"	1:48	11 Pc Set
HLL-100	1/8" = 1'-0"	1:100	14 Pc Set

PLASTIC SCALE DINING ROOM SETS



Use for miniature interiors or architectural models. May also be used to add extra detail to your model railroad layout building interiors. Set consists of a table and eight chairs, cabinet and art. Precision Injection Molded in Polyethylene Plastic.

CODE	SCALE		PKG. QTY.
HLD-48	1/4" = 1'-0"	1:48	11 Pc Set
HLD-100	1/8" = 1'-0"	1:100	11 Pc Set

INTERIOR ARCHITECTURAL PARTS

PLASTIC SCALE KITCHEN SETS

Use for miniature interiors or architectural models. May also be used to add extra detail to your model railroad layout building interiors. Set consists of a stove, refrigerator, sink with cabinets, wall cabinets and chair with table. Precision Injection Molded in White Polyethylene Plastic.



CODE	SCALE	PKG. QTY.
HLK-24	1/2" = 1'-0" 1:24	7 Pc Set
HLK-48	1/4" = 1'-0" 1:48	7 Pc Set
HLK-100	1/8" = 1'-0" 1:100	7 Pc Set

MISCELLANEOUS PLASTIC SCALE PARTS



Use for miniature interiors, office planning or architectural models. May also be used to add extra detail to your model railroad layout building interiors. Precision Injection Molded in Polyethylene Plastic.

CODE	STYLE	DESCRIPTION	SCALE	PKG. QTY.
HLA-48	A	Miscellaneous Art/Mirrors	1/4" = 1'-0" 1:48	1 Set
HLC-48	B	Miscellaneous Clocks	1/4" = 1'-0" 1:48	1 Set
HLS-48	C	Sewing Machine & Stand	1/4" = 1'-0" 1:48	1
HLP-100	D	Baby Grand Piano	1/8" = 1'-0" 1:100	1 Set
ORCH-48	D & E	Orchestra Set	1/4" = 1'-0" 1:48	1 Set
POLT-48	F	Pool Table	1/4" = 1'-0" 1:48	1



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PLASTIC SCALE BEDROOM SETS

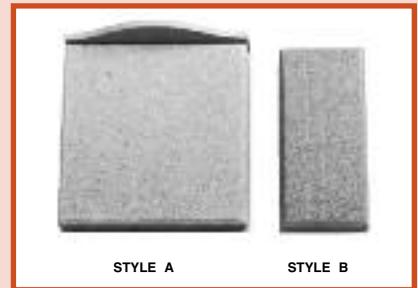


Use for miniature interiors or architectural models. May also be used to add extra detail to your model railroad layout building interiors. Bedroom set consists of twin beds, two night stands, one dresser and art. Master bedroom consists of one large bed, headboard, one dresser and one chest of drawers and art. Precision Injection Molded in Polyethylene Plastic.

CODE	STYLE	DESCRIPTION	SCALE	PKG. QTY.
HLB-48	A	Guest or Childs Bedroom	1/4" = 1'-0" 1:48	8 Pc. Set
HLM-48	B	Master Bedroom	1/4" = 1'-0" 1:48	8 Pc. Set
HLM-100	A & B	Both Bedrooms	1/8" = 1'-0" 1:100	14 Pc. Set

PLASTIC SCALE BEDROOM FURNITURE

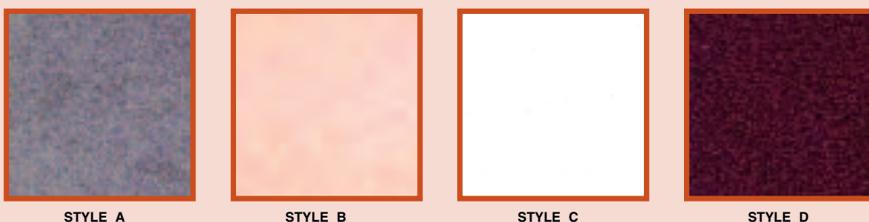
Use for miniature interiors or architectural models. May also be used to add extra detail to your model railroad layout building interiors. Minor assembly required. Precision Fabricated in Acrylic and White Styrene Plastic, Wood and Expanded Polystyrene.



CODE	STYLE	DESCRIPTION	SCALE	ACTUAL SIZE			
				LENGTH		WIDTH	
HDB-24	A	Double Bed W/Headboard	1/2" = 1'-0" 1:24	3-1/16"	77.8mm	2-15/16"	74.2mm
HSB-24	B	Single or Twin Bed	1/2" = 1'-0" 1:24	3"	76.2mm	1-3/8"	34.9mm

CARPET FLOORING

Use for miniature interiors, dollhouse or architectural models. May also be used to add extra detail to your model railroad layout building interiors. Also great for odd jobs around the house like jewelry boxes, lining the bottom of bric-a-brac so it won't scratch tables, etc. 18" x 27" (450mm x 675mm) paper backed roll of felt may be cut with scissors and glued with any spray or paper adhesive.



CODE	STYLE	COLOR
CRPT-4	A	Dark Gray
CRPT-5	B	Pink
CRPT-6	C	White
CRPT-7	D	Burgundy

PLASTREES FIR TREES

Quality, ready-made, Evergreen style trees for instant landscaping. Sturdy, yet realistic, at very reasonable prices. Varying shades of green randomly packaged in clear tubes for protection. Hand fabricated from nylon, wire and foam. Sizes above 25 include brown taped trunk. Height includes the appropriate trunk length.

Dimensions are approximate and may vary.



CODE	ACTUAL SIZE				SCALE HEIGHT						PKG.		
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		QTY.
FIR-7	1/2"	12.7mm	1/4"	6.4mm	-	-	-	-	-	-	6'-6"	2.0m	5
FIR-11	3/4"	19.1mm	3/8"	9.5mm	-	-	-	-	-	-	10'-0"	3.0m	5
FIR-25	1-1/4"	31.8mm	1/2"	12.7mm	-	-	5'-0"	1.5m	9'-0"	2.7m	17'-6"	5.3m	5
FIR-45	2"	50.8mm	1-1/8"	28.6mm	4'-0"	1.2m	8'-0"	2.4m	14'-6"	4.4m	27'-6"	8.4m	5
FIR-50	2-7/16"	61.9mm	1-3/8"	34.9mm	4'-6"	1.4m	10'-0"	3.0m	18'-0"	5.5m	32'-0"	9.7m	5
FIR-90	3-3/4"	95.3mm	2"	50.8mm	7'-6"	2.3m	15'-0"	4.6m	27'-0"	8.2m	50'-0"	15.2m	4
FIR-125	4-7/8"	123.8mm	2-1/4"	57.2mm	10'-0"	3.0m	19'-6"	5.9m	36'-0"	11.0m	-	-	3
FIR-175	6-3/4"	171.5mm	2-5/8"	66.7mm	13'-6"	4.1m	27'-0"	8.2m	49'-0"	14.9m	-	-	2
FIR-225	9"	230.0mm	2-3/4"	69.9mm	18'-0"	5.5m	36'-0"	11.0m	-	-	-	-	1
FIR-375	15"	380.0mm	3-3/4"	95.3mm	30'-0"	9.1m	60'-0"	18.3m	-	-	-	-	1



PLASTREES DOUGLAS FIR TREES

These quality, ready-made Douglas Firs can be used for several scales. Sturdy, yet realistic, at very reasonable prices. Plastic branches coated with dark green foliage. Brown wood trunks.

CODE	ACTUAL SIZE				SCALE HEIGHT						PKG.		
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		QTY.
FIR-80	3-3/4"	95.3mm	1-1/2"	38.1mm	7'-6"	2.3m	15'-0"	4.6m	27'-0"	8.2m	50'-0"	15.2m	3

PLASTREES CONIFER TREES

Quality, ready-made, Conifer style trees for instant landscaping. Sturdy, yet realistic, at very reasonable prices. Varying shades of green randomly packaged in clear tubes for protection. Hand fabricated from nylon, wire and foam. Sizes above 25 include brown taped trunk. See Plastrunks later in this Catalog for a realistic looking trunk base. Height includes the appropriate trunk length. Dimensions are approximate and may vary.



CODE	ACTUAL SIZE				SCALE HEIGHT						PKG.		
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		QTY.
POP-7	1/4"	6.4mm	3/16"	4.8mm	-	-	-	-	-	-	3'-6"	1.1m	5
POP-11	1/2"	12.7mm	1/2"	12.7mm	-	-	-	-	-	-	7'-0"	2.1m	5
POP-25	1-1/2"	38.1mm	9/16"	14.3mm	-	-	5'-0"	1.5m	11'-0"	3.4m	20'-0"	6.1m	5
POP-45	1-7/8"	47.6mm	5/8"	15.9mm	4'-0"	1.2m	8'-0"	2.4m	13'-6"	4.1m	25'-0"	7.6m	5
POP-50	2-5/8"	66.7mm	3/4"	19.1mm	4'-6"	1.4m	9'-6"	2.9m	19'-0"	5.8m	35'-0"	10.7m	5
POP-90	3-1/2"	88.9mm	7/8"	22.2mm	7'-0"	2.1m	14'-0"	4.3m	25'-6"	7.8m	56'-0"	17.1m	4
POP-125	4-3/4"	120.7mm	1-1/4"	31.8mm	9'-6"	2.9m	19'-0"	5.8m	35'-0"	10.7m	-	-	3
POP-175	6-3/4"	171.5mm	1-1/2"	38.1mm	13'-6"	4.1m	27'-0"	8.2m	47'-0"	14.3m	-	-	2



PLASTREES ROUNDHEAD TREES

Quality, ready-made, deciduous style trees for instant landscaping. Sturdy, yet realistic, at very reasonable prices. Varying shades of green randomly packaged in clear tubes for protection. Hand fabricated from nylon, wire and foam. Sizes above 25 include brown taped trunk. See Plastrunks later in this Catalog for a realistic looking trunk base. Height includes the appropriate trunk length.

Dimensions are approximate and may vary.

CODE	ACTUAL SIZE				SCALE HEIGHT						PKG. QTY.		
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100			N / 1:200	
TREE-7	1/4"	6.4mm	1/4"	6.4mm	-	-	-	-	-	-	3'-6"	1.1m	5
TREE-11	1/2"	12.7mm	1/2"	12.7mm	-	-	-	-	-	-	7'-0"	2.1m	5
TREE-18	7/8"	22.2mm	3/4"	19.1mm	-	-	4'-0"	1.2m	6'-6"	2.0m	12'-0"	3.7m	5
TREE-25	1-1/8"	28.6mm	1"	25.4mm	-	-	4'-6"	1.4m	8'-0"	2.4m	15'-0"	4.6m	5
TREE-30	1-1/4"	31.8mm	1-1/8"	28.6mm	-	-	5'-0"	1.5m	9'-0"	2.7m	17'-0"	5.2m	5
TREE-38	1-1/2"	38.1mm	1-3/8"	34.9mm	-	-	6'-0"	1.8m	11'-0"	3.4m	20'-0"	6.1m	5
TREE-45	1-7/8"	47.6mm	1-1/2"	38.1mm	4'-0"	1.2m	7'-6"	2.3m	13'-6"	4.1m	25'-0"	7.6m	5
TREE-50	2-1/4"	57.2mm	2"	50.8mm	4'-6"	1.4m	9'-0"	2.7m	16'-6"	5.0m	30'-0"	9.1m	4
TREE-70	2-3/4"	69.9mm	2-1/4"	57.2mm	5'-6"	1.7m	11'-0"	3.4m	20'-0"	6.1m	37'-0"	11.3m	4
TREE-90	3-1/2"	88.9mm	2-3/4"	69.9mm	7'-0"	2.1m	14'-0"	4.3m	25'-6"	7.8m	47'-0"	14.3m	3
TREE-125	4-3/4"	120.7mm	3"	76.2mm	9'-6"	2.8m	19'-0"	5.8m	35'-0"	10.7m	-	-	3
TREE-150	6-1/4"	128.8mm	3-1/2"	88.9mm	12'-6"	3.8m	25'-0"	7.6m	45'-0"	13.7m	-	-	2
TREE-175	7"	177.8mm	3-3/4"	95.3mm	14'-0"	4.3m	28'-0"	8.5m	-	-	-	-	2

PROTREES SYCAMORE TREES

Professional-quality, ready-made, Sycamore style trees for instant landscaping. Sturdy and extremely realistic. Varying shades of green randomly packaged in clear tubes for protection. Completely hand fabricated from etched brass and foliage. Brass armature is painted brown. Height includes the appropriate trunk length.

Dimensions are approximate and may vary.

THE choice of professionals.



CODE	ACTUAL SIZE				SCALE HEIGHT						PKG. QTY.		
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100			N / 1:200	
PREE-6	1/4"	6.4mm	1/4"	6.4mm	-	-	-	-	-	-	4'-0"	1.2m	5
PREE-12	1/2"	12.7mm	3/8"	9.5mm	-	-	-	-	-	-	7'-0"	2.1m	5
PREE-19	3/4"	19.1mm	1/2"	12.7mm	-	-	-	-	5'-6"	1.7m	10'-0"	3.0m	5
PREE-25	1"	25.4mm	5/8"	15.9mm	-	-	4'-0"	1.2m	7'-0"	2.1m	13'-6"	4.1m	4
PREE-38	1-3/8"	34.9mm	1-1/8"	28.6mm	-	-	6'-0"	1.8m	10'-0"	3.0m	20'-0"	6.1m	4
PREE-50	1-7/8"	47.6mm	1-1/2"	38.1mm	4'-0"	1.2m	8'-0"	2.4m	13'-0"	4.0m	26'-0"	7.9m	3
PREE-60	2-1/4"	57.2mm	1-3/4"	44.5mm	5'-0"	1.5m	9'-0"	2.7m	16'-6"	5.0m	32'-0"	9.8m	2
PREE-75	2-7/8"	73.0mm	1-7/8"	47.6mm	6'-0"	1.8m	12'-0"	3.7m	21'-0"	6.4m	40'-0"	12.2m	1
PREE-85	3-1/4"	82.6mm	2"	50.8mm	6'-6"	2.0m	13'-0"	4.0m	23'-6"	7.2m	46'-0"	14.0m	1
PREE-100	3-7/8"	98.4mm	2-1/4"	57.2mm	8'-0"	2.4m	16'-0"	4.9m	28'-0"	8.5m	-	-	1
PREE-125	4-7/8"	123.8mm	2-3/4"	69.9mm	10'-0"	3.0m	20'-0"	6.1m	36'-0"	11.0m	-	-	1

TIP:

For best results in landscaping, plant in groups and use different heights of trees to represent varying ages of the trees as well as for creating depth of field. As you move further from the viewing point or higher in the mountains, use shorter trees. Shorter trees may also be used for potted or tubbed trees.

PROTREES BEECH TREES



These professional quality, extremely realistic, ready made trees provide instant landscaping. Completely hand fabricated from twisted wire, fiber strands and foliage foam. Trunks are painted brown. Height includes approximate trunk length. Dimensions are approximate and can vary.

CODE	ACTUAL SIZE				SCALE HEIGHT						PKG.		
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		QTY.
BEECH-11	3/4"	19.1mm	3/4"	9.5mm	-	-	-	-	-	-	10'-0"	3.0m	5
BEECH-18	1"	25.4mm	1"	12.7mm	-	-	5'-0"	1.5m	9'-0"	2.7m	17'-6"	5.3m	5
BEECH-30	1-1/2"	38.1mm	1-1/2"	28.6mm	4'-0"	1.2m	8'-0"	2.4m	14'-6"	4.4m	27'-6"	8.4m	4
BEECH-45	2"	50.8mm	2"	34.9mm	4'-6"	1.4m	10'-0"	3.0m	18'-0"	5.5m	32'-0"	9.7m	3
BEECH-70	3"	76.2mm	2"	50.8mm	7'-6"	2.3m	15'-0"	4.6m	27'-0"	8.2m	50'-0"	15.2m	2
BEECH-90	4"	101.6mm	2-1/4"	57.2mm	10'-0"	3.0m	19'-6"	5.9m	36'-0"	11.0m	-	-	1
BEECH-125	5"	127.0mm	2-5/8"	66.7mm	13'-6"	4.1m	27'-0"	8.2m	49'-0"	14.9m	-	-	1



PROTREES CYPRESS TREES

These professional quality, extremely realistic, ready made trees provide instant landscaping. Completely hand fabricated from twisted wire, fiber strands and foliage foam. Trunks are painted brown. Height includes approximate trunk length. Dimensions are approximate and can vary.

CODE	ACTUAL SIZE				SCALE HEIGHT						PKG.		
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		QTY.
CYP-38	1-1/2"	38.1mm	1/2"	14.3mm	-	-	8'-0"	2.4m	14'-6"	4.4m	27'-6"	8.4m	4
CYP-50	2"	50.8mm	3/4"	15.9mm	4'-6"	1.4m	9'-6"	2.9m	19'-0"	5.8m	35'-0"	10.7m	3
CYP-75	3"	76.2mm	1"	19.1mm	7'-6"	2.3m	15'-0"	4.6m	27'-0"	8.2m	50'-0"	15.2m	2
CYP-125	4"	101.6mm	1-1/2"	22.2mm	10'-0"	3.0m	19'-6"	5.9m	36'-0"	11.0m	67'-2"	20.5m	2
CYP-150	6"	152.4mm	2"	31.8mm	12'-0"	3.7m	24'-0"	7.3m	50'-4"	15.4m	-	-	1
CYP-200	8"	203.2mm	2-1/4"	38.1mm	16'-0"	4.9m	32'-0"	9.8m	67'-2"	20.5m	-	-	1

PROTREES ELM TREES

These professional quality, extremely realistic, ready made trees provide instant landscaping. Completely hand fabricated from twisted wire, fiber strands and foliage foam. Trunks are painted brown. Height includes approximate trunk length. Dimensions are approximate and can vary.



CODE	ACTUAL SIZE				SCALE HEIGHT						PKG.		
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		QTY.
ELM-11	3/4"	19.1mm	1/2"	9.5mm	-	-	-	-	6'-3"	1.9m	12'-6"	3.8m	5
ELM-18	1"	25.4mm	3/4"	12.7mm	-	-	4'-0"	1.2m	8'-4"	2.6m	16'-8"	5.1m	5
ELM-30	1-1/2"	38.1mm	1"	28.6mm	-	-	6'-0"	1.8m	12'-6"	3.8m	25'-2"	7.7m	4
ELM-45	2"	50.8mm	1-1/4"	34.9mm	4'-0"	1.2m	8'-0"	2.4m	16'-8"	5.1m	33'-6"	10.2m	4
ELM-50	2-1/2"	50.8mm	1-1/2"	57.2mm	5'-0"	1.5m	10'-0"	3.1m	21'-0"	6.4m	42'-0"	12.8m	3
ELM-70	3"	76.2mm	2"	50.8mm	7'-6"	2.3m	15'-0"	4.6m	27'-0"	8.2m	50'-0"	15.2m	3
ELM-90	4"	101.6mm	3"	57.2mm	10'-0"	3.0m	19'-6"	5.9m	36'-0"	11.0m	67'-2"	20.5m	2
ELM-125	5"	127.0mm	4"	66.7mm	10'-0"	3.0m	20'-0"	6.1m	42'-0"	12.8m	-	-	2



PROTREES LIVE OAK TREES

These professional quality, extremely realistic, ready made trees provide instant landscaping. Completely hand fabricated from twisted wire, fiber strands and foliage foam. Trunks are painted brown. Height includes approximate trunk length. Dimensions are approximate and can vary.

CODE	ACTUAL SIZE				SCALE HEIGHT								PKG.
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		QTY.
LOAK-18	1"	25.4mm	1"	25.4mm	-	-	4'-0"	1.2m	8'-4"	2.6m	16'-8"	5.1m	5
LOAK-30	1-1/2"	38.1mm	1-1/4"	31.8mm	-	-	6'-0"	1.8m	12'-6"	3.8m	25'-2"	7.7m	4
LOAK-45	2"	50.8mm	1-1/2"	38.1mm	4'-0"	1.2m	7'-6"	2.3m	16'-8"	5.1m	33'-6"	10.2m	3
LOAK-70	3"	76.2mm	3"	76.2mm	5'-6"	1.7m	12'-0"	3.7m	25'-2"	7.7m	50'-4"	15.4m	2
LOAK-90	4"	101.6mm	3-1/2"	88.9mm	8'-0"	2.4m	16'-0"	4.9m	33'-6"	10.2m	67'-2"	20.5m	2
LOAK-125	5"	127.0mm	4-1/2"	114.3mm	10'-0"	3.1m	20'-0"	6.1m	42'-0"	12.8m	-	-	2

PROTREES OAK TREES

These professional quality, extremely realistic, ready made trees provide instant landscaping. Completely hand fabricated from twisted wire, fiber strands and foliage foam. Trunks are painted brown. Height includes approximate trunk length. Dimensions are approximate and can vary.



CODE	ACTUAL SIZE				SCALE HEIGHT								PKG.
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		QTY.
OAK-11	3/4"	19.1mm	3/4"	19.1mm	-	-	-	-	6'-3"	1.9m	12'-6"	3.8m	5
OAK-18	1"	25.4mm	1"	25.4mm	-	-	4'-0"	1.2m	8'-4"	2.6m	16'-8"	5.1m	4
OAK-30	1-1/2"	38.1mm	1-1/4"	31.8mm	-	-	6'-0"	1.8m	12'-6"	3.8m	25'-2"	7.7m	4
OAK-45	2"	50.8mm	1-1/2"	38.1mm	4'-0"	1.2m	8'-0"	2.4m	16'-8"	5.1m	33'-6"	10.2m	3
OAK-50	2-1/2"	63.5mm	2-1/4"	57.2mm	5'-0"	1.5m	10'-0"	3.1m	21'-0"	6.4m	42'-0"	12.8m	3
OAK-70	3"	76.2mm	2-1/2"	63.5mm	6'-0"	1.8m	12'-0"	3.7m	25'-2"	7.7m	50'-4"	15.4m	2
OAK-90	4"	101.6mm	3-1/2"	88.9mm	8'-0"	2.4m	16'-0"	4.8m	33'-6"	10.2m	67'-2"	20.5m	2
OAK-125	5"	127.0mm	4"	101.6mm	10'-0"	3.0m	20'-0"	6.1m	42'-0"	12.8m	-	-	2



PROTREES REDWOOD TREES

These professional quality, extremely realistic, ready made trees provide instant landscaping. Completely hand fabricated from twisted wire, fiber strands and foliage foam. Trunks are painted brown. Height includes approximate trunk length. Dimensions are approximate and can vary.

CODE	ACTUAL SIZE				SCALE HEIGHT								PKG.
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		QTY.
RWOOD-45	2"	50.8mm	3/4"	19.1mm	-	-	8'-0"	2.4m	16'-8"	5.1m	33'-6"	10.2m	4
RWOOD-70	3"	76.2mm	1"	25.4mm	6'-0"	1.8m	12'-0"	3.7m	25'-2"	7.7m	50'-4"	15.4m	3
RWOOD-90	4"	101.6mm	1-1/4"	31.8mm	8'-0"	2.4m	16'-0"	4.8m	33'-6"	10.2m	67'-2"	20.5m	2
RWOOD-175	7"	177.8mm	2"	50.8mm	14'-0"	4.3m	28'-0"	8.5m	58'-8"	17.9m	117'-6"	35.8m	2
RWOOD-225	9"	228.6mm	2-1/4"	57.2mm	18'-0"	5.5m	36'-0"	11.0m	75'-6"	23.1m	151'-2"	46.1m	1

PROTREES ASH TREES



These professional quality, extremely realistic, ready made trees provide instant landscaping. Completely hand fabricated from twisted wire, fiber strands and foliage foam. Trunks are painted brown. Height includes approximate trunk length. Dimensions are approximate and can vary.

CODE	ACTUAL SIZE				SCALE HEIGHT						PKG. QTY.		
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100			N / 1:200	
ASH-11	3/4"	19.1mm	1/2"	12.7mm	-	-	-	-	6'-3"	1.9m	12'-6"	3.8m	5
ASH-18	1"	25.4mm	3/4"	19.1mm	-	-	4'-0"	1.2m	8'-4"	2.6m	16'-8"	5.1m	5
ASH-30	1-1/2"	38.1mm	3/4"	19.1mm	-	-	6'-0"	1.8m	12'-6"	3.8m	25'-2"	7.7m	4
ASH-45	2"	50.8mm	1-1/4"	31.8mm	4'-0"	1.2m	8'-0"	2.4m	16'-8"	5.1m	33'-6"	10.2m	4
ASH-50	2-1/2"	63.5mm	1-1/4"	31.8mm	5'-0"	1.5m	10'-0"	3.1m	21'-0"	6.4m	42'-0"	12.8m	3
ASH-70	3"	76.2mm	1-1/2"	38.1mm	6'-0"	1.8m	12'-0"	3.7m	25'-2"	7.7m	50'-4"	15.4m	2
ASH-90	4"	101.6mm	2"	50.8mm	8'-0"	2.4m	16'-0"	4.8m	33'-6"	10.2m	67'-2"	20.5m	2
ASH-125	6"	152.4mm	3"	76.2mm	12'-0"	3.7m	24'-0"	7.3m	50'-4"	15.4m	-	-	1



PROTREES GUM TREES

These professional quality, extremely realistic, ready made trees provide instant landscaping. Completely hand fabricated from twisted wire, fiber strands and foliage foam. Trunks are painted brown. Height includes approximate trunk length. Dimensions are approximate and can vary.

CODE	ACTUAL SIZE				SCALE HEIGHT						PKG. QTY.		
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100			N / 1:200	
GUMTR-18	1"	25.4mm	1/2"	12.7mm	-	-	4'-0"	1.2m	8'-4"	2.6m	16'-8"	5.1m	5
GUMTR-30	1-1/2"	38.1mm	3/4"	19.1mm	-	-	6'-0"	1.8m	12'-6"	3.8m	25'-2"	7.7m	4
GUMTR-45	2"	50.8mm	3/4"	19.1mm	4'-0"	1.2m	8'-0"	2.4m	16'-8"	5.1m	33'-6"	10.2m	4
GUMTR-50	2-1/2"	63.5mm	1"	25.4mm	5'-0"	1.5m	10'-0"	3.1m	21'-0"	6.4m	42'-0"	12.8m	3
GUMTR-70	3"	76.2mm	1-1/2"	38.1mm	6'-0"	1.8m	12'-0"	3.7m	25'-2"	7.7m	50'-4"	15.4m	2
GUMTR-90	4"	101.6mm	1-3/4"	44.5mm	8'-0"	2.4m	16'-0"	4.8m	33'-6"	10.2m	67'-2"	20.5m	2
GUMTR-125	6"	152.4mm	2-1/2"	63.5mm	12'-0"	3.7m	24'-0"	7.3m	50'-4"	15.4m	-	-	1
GUMTR-200	8"	203.2mm	"	mm	16'-0"	4.9m	32'-0"	9.8m	67'-2"	20.5m	-	-	1

PROTREES SNOW GUM TREES

These professional quality, extremely realistic, ready made trees provide instant landscaping. Completely hand fabricated from twisted wire, fiber strands and foliage foam. Trunks are painted brown. Height includes approximate trunk length. Dimensions are approximate and can vary.



CODE	ACTUAL SIZE				SCALE HEIGHT						PKG. QTY.		
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100			N / 1:200	
SGUM-11	3/4"	19.1mm	1/2"	12.7mm	-	-	-	-	6'-3"	1.9m	12'-6"	3.8m	5
SGUM-18	1"	25.4mm	3/4"	19.1mm	-	-	4'-0"	1.2m	8'-4"	2.6m	16'-8"	5.1m	5
SGUM-30	1-1/2"	38.1mm	3/4"	19.1mm	-	-	6'-0"	1.8m	12'-6"	3.8m	25'-2"	7.7m	4
SGUM-45	2"	50.8mm	1-1/4"	31.8mm	4'-0"	1.2m	8'-0"	2.4m	16'-8"	5.1m	33'-6"	10.2m	4
SGUM-50	2-1/2"	63.5mm	1-1/2"	38.1mm	5'-0"	1.5m	10'-0"	3.1m	21'-0"	6.4m	42'-0"	12.8m	3
SGUM-70	3"	76.2mm	2"	50.8mm	6'-0"	1.8m	12'-0"	3.7m	25'-2"	7.7m	50'-4"	15.4m	2
SGUM-90	4"	101.6mm	2-1/4"	57.2mm	8'-0"	2.4m	16'-0"	4.8m	33'-6"	10.2m	67'-2"	20.5m	2
SGUM-125	6"	152.4mm	3-3/4"	95.3mm	12'-0"	3.7m	24'-0"	7.3m	50'-4"	15.4m	-	-	1

LANDSCAPING



PROTREES GREEN JACARANDA TREES

These professional quality, extremely realistic, ready made trees provide instant landscaping. Completely hand fabricated from twisted wire, fiber strands and foliage foam. Trunks are painted brown. Height includes approximate trunk length. Dimensions are approximate and can vary.

CODE	ACTUAL SIZE				SCALE HEIGHT								PKG. QTY.
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		
GRNJAC-7	1/2"	12.7mm	3/8"	9.5mm	-	-	-	-	4'-2"	1.3m	8'-4"	2.6m	5
GRNJAC-11	3/4"	19.1mm	1/2"	12.7mm	-	-	-	-	6'-3"	1.9m	12'-6"	3.8m	5
GRNJAC-18	1"	25.4mm	3/4"	19.1mm	-	-	4'-0"	1.2m	8'-4"	2.6m	16'-8"	5.1m	5
GRNJAC-30	1-1/2"	38.1mm	1"	25.4mm	-	-	6'-0"	1.8m	12'-6"	3.8m	25'-2"	7.7m	4
GRNJAC-45	2"	50.8mm	1-1/2"	38.1mm	4'-0"	1.2m	8'-0"	2.4m	16'-8"	5.1m	33'-6"	10.2m	4
GRNJAC-50	2-1/2"	63.5mm	2"	57.2mm	5'-0"	1.5m	10'-0"	3.1m	21'-0"	6.4m	42'-0"	12.8m	3
GRNJAC-70	3"	76.2mm	2-1/2"	63.5mm	6'-0"	1.8m	12'-0"	3.7m	25'-2"	7.7m	50'-4"	15.4m	2
GRNJAC-90	4"	101.6mm	3-1/2"	88.9mm	8'-0"	2.4m	16'-0"	4.8m	33'-6"	10.2m	67'-2"	20.5m	2
GRNJAC-125	6"	152.4mm	4"	101.6mm	12'-0"	3.7m	24'-0"	7.3m	50'-4"	15.4m	-	-	1

PROTREES PURPLE JACARANDA TREES

Professional quality ready-made purple Jacaranda style trees for instant landscaping. Delicate, but extremely realistic. Comes packaged in clear tubes for protection. Completely hand fabricated from twisted wire, fiber strands and foam. Trunks are painted. Height includes the appropriate trunk length. Dimensions are approximate and may vary.



CODE	ACTUAL SIZE				SCALE HEIGHT								PKG. QTY.
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		
PREJ-38	1-1/2"	38.1mm	1"	25.4mm	-	-	6'-0"	1.8m	12'-0"	3.7m	24'-0"	7.3m	4
PREJ-50	2"	50.8mm	1-3/4"	44.5mm	4'-0"	1.2m	8'-0"	2.4m	16'-0"	4.9m	32'-0"	9.8m	3
PREJ-63	2-1/2"	63.5mm	2"	50.8mm	5'-0"	1.5m	10'-0"	3.0m	20'-0"	6.1m	40'-0"	12.2m	3



PROTREES BIRCH TREES

These professional quality, extremely realistic, ready made trees provide instant landscaping. Completely hand fabricated from twisted wire, fiber strands and foliage foam. Trunks are painted brown. Height includes approximate trunk length. Dimensions are approximate and can vary.

CODE	ACTUAL SIZE				SCALE HEIGHT								PKG. QTY.
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		
BIRCH-18	1"	25.4mm	1/2"	12.7mm	-	-	4'-0"	1.2m	8'-4"	2.6m	16'-8"	5.1m	5
BIRCH-30	1-1/2"	38.1mm	3/4"	19.1mm	-	-	6'-0"	1.8m	12'-6"	3.8m	25'-2"	7.7m	4
BIRCH-45	2"	50.8mm	1"	25.4mm	4'-0"	1.2m	8'-0"	2.4m	16'-8"	5.1m	33'-6"	10.2m	4
BIRCH-50	2-1/2"	63.5mm	1"	25.4mm	5'-0"	1.5m	10'-0"	3.1m	21'-0"	6.4m	42'-0"	12.8m	3
BIRCH-70	3"	76.2mm	1-1/2"	38.1mm	6'-0"	1.8m	12'-0"	3.7m	25'-2"	7.7m	50'-4"	15.4m	2
BIRCH-90	4"	101.6mm	1-1/2"	38.1mm	8'-0"	2.4m	16'-0"	4.8m	33'-6"	10.2m	67'-2"	20.5m	2
BIRCH-125	6"	152.4mm	1-3/4"	44.5mm	12'-0"	3.7m	24'-0"	7.3m	50'-4"	15.4m	-	-	1
BIRCH-200	8"	203.2mm	2-3/4"	69.9mm	16'-0"	4.8m	32'-0"	9.8m	67'-2"	20.5m	-	-	1

PROTREES ROUNDHEAD TREES

Professional quality, ready-made, Roundhead style trees for instant landscaping. Delicate, but extremely realistic. Comes packaged in clear tubes for protection. Completely hand fabricated from twisted wire, fiber strands and foam. Trunks are painted. Height includes the appropriate trunk length.

Dimensions are approximate and may vary.



CODE	ACTUAL SIZE				SCALE HEIGHT						PKG.		
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		QTY.
PRER-25	1"	25.4mm	5/8"	15.9mm	-	-	4'-0"	1.2m	8'-0"	2.4m	16'-0"	4.9m	5
PRER-38	1-1/2"	38.1mm	1"	25.4mm	-	-	6'-0"	1.8m	12'-0"	3.7m	24'-0"	7.3m	4
PRER-50	2"	50.8mm	1-1/2"	44.5mm	4'-0"	1.2m	8'-0"	2.4m	16'-0"	4.9m	32'-0"	9.8m	3
PRER-63	2-1/2"	63.5mm	2"	50.8mm	5'-0"	1.5m	10'-0"	3.0m	20'-0"	6.1m	40'-0"	12.2m	3
PRER-75	3"	76.2mm	2"	69.9mm	6'-0"	1.8m	12'-0"	3.7m	24'-0"	7.3m	-	-	2



PROTREES POPLAR TREES

Professional quality, ready-made, Poplar style trees for instant landscaping. Delicate, but extremely realistic. Comes packaged in clear tubes for protection. Completely hand fabricated from twisted wire, fiber strands and foam. Trunks are painted. Height includes the appropriate trunk length.

Dimensions are approximate and may vary.

CODE	ACTUAL SIZE				SCALE HEIGHT						PKG.		
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		QTY.
PREL-38	1-1/2"	38.1mm	3/8"	9.5mm	3'-0"	0.9m	6'-0"	1.8m	12'-0"	3.7m	24'-0"	7.3m	4
PREL-57	2-1/4"	57.2mm	1/2"	12.7mm	4'-6"	1.4m	9'-0"	2.7m	18'-0"	5.5m	36'-0"	11.0m	3
PREL-88	3-1/2"	88.9mm	3/4"	19.1mm	7'-0"	2.1m	14'-0"	4.3m	28'-0"	8.5m	56'-0"	17.1m	3
PREL-118	4-1/2"	114.3mm	7/8"	22.2mm	9'-0"	2.7m	18'-0"	5.5m	36'-0"	11.0m	-	-	2

PLASTREES SPRUCE TREE

A very realistic Spruce tree. Plastic branches coated with foliage. Dark green plastic trunks.

Dimensions are approximate and may vary.



CODE	ACTUAL SIZE				SCALE HEIGHT						PKG.		
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		QTY.
SPRU-30	3"	76.2mm	1-1/2"	38.1mm	6'-0"	1.8m	12'-0"	3.7m	24'-0"	7.3m	48'-0"	14.6m	3



PROTREES PALM TREES

Professional quality ready-made Palm trees for instant landscaping. Sturdy, yet realistic. Most are hand fabricated from Etched Brass, Cork and White Metal. Height includes the full supplied trunk length. Great for war diorama scenes. Dimensions are approximate and may vary.

CODE	ACTUAL SIZE				SCALE HEIGHT				PKG. QTY.			
	HEIGHT		WIDTH		G / 1:24	O / 1:48	HO / 1:100	N / 1:200				
PALM-7	1-1/4"	31.8mm	1/4"	6.4mm	-	-	-	17'-0"	5.2m	5		
PALM-11	1-1/2"	38.1mm	1/2"	12.7mm	-	-	-	20'-0"	6.1m	5		
PALM-38	1-5/8"	41.3mm	3/8"	9.5mm	-	-	-	22'-0"	6.7m	2		
PALM-55	2-3/8"	59.9mm	7/8"	22.2mm	-	-	17'-0"	5.2m	9.8m	2		
PALM-100	3-7/8"	98.4mm	1-1/4"	31.8mm	-	16'-0"	4.9m	26'-0"	7.9m	52'-0"	15.8m	2
PALM-125	5"	127.0mm	1-3/4"	44.5mm	-	20'-0"	6.1m	36'-0"	11.0m	66'-6"	20.3m	2
PALM-150	6"	152.4mm	3"	76.2mm	-	24'-0"	7.3m	43'-6"	13.1m	80'-0"	24.4m	1
PALM-225	9-1/2"	241.3mm	3"	76.2mm	19'-0"	5.8m	38'-0"	11.6m	69'-0"	21.0m	-	1

PHOENIX PALM TREES

Professional quality, extremely realistic, ready made trees provide instant landscaping. Completely hand fabricated. Trunks are painted brown. Height included approximate trunk length. Dimensions are approximate and may vary.



CODE	ACTUAL SIZE				SCALE HEIGHT				PKG. QTY.			
	HEIGHT		WIDTH		G / 1:24	O / 1:48	HO / 1:100	N / 1:200				
XPALM-7	1"	25.4mm	1/2"	12.7mm	-	-	-	16'-0"	4.9m	5		
XPALM-11	1-1/2"	38.1mm	3/4"	19.05mm	-	-	-	24'-0"	7.3m	5		
XPALM-38	2"	50.8mm	1"	25.4mm	-	-	-	32'-0"	9.8m	3		
XPALM-50	2-1/2"	63.5mm	1-1/4"	31.8mm	-	-	21'-0"	6.4m	40'-0"	12.2m	3	
XPALM-55	3"	76.2mm	2"	50.8mm	-	12'-0"	3.7m	25'-2"	7.7m	48'-0"	14.6m	2
XPALM-100	4"	101.6mm	2-1/4"	57.15mm	-	16'-0"	4.9m	33'-6"	10.2m	64'-0"	19.5m	2
XPALM-150	6"	152.4mm	2-1/2"	63.5mm	-	24'-0"	7.3m	50'-4"	15.4m	-	-	1
XPALM-200	8"	203.2mm	2-1/2"	63.5mm	16'-0"	4.9m	32'-0"	9.8m	67'-2"	20.4m	-	1



ECONO PALM TREES

Economical Palm trees for instant landscaping. Fabricated from Fronds printed on Green card stock and Brown Plastic trunks. Fronds, furnished flat, require cutting out, layering and shaping (instructions are included). Height includes the full supplied trunk length. Great for dioramas and educational modeling. Dimensions are approximate and may vary.

CODE	ACTUAL SIZE				SCALE HEIGHT				PKG. QTY.			
	HEIGHT		WIDTH		G / 1:24	O / 1:48	HO / 1:100	N / 1:200				
PAL-60	2-1/2"	50.8mm	2"	50.8mm	-	-	20'-0"	6.0m	40'-0"	12.2m	4	
PAL-95	3-1/2"	88.9mm	2-1/2"	76.2mm	-	14'-0"	4.3m	28'-0"	8.5m	56'-0"	17.1m	3
PAL-140	4-1/2"	127.0mm	3-1/2"	114.3mm	-	18'-0"	5.5m	36'-0"	11.0m	-	-	2
PAL-190	7"	177.8mm	5"	149.2mm	14'-0"	4.3m	28'-0"	8.5m	56'-0"	17.1m	-	2
PAL-300	11"	304.8mm	7-1/4"	184.2mm	22'-0"	6.7m	44'-0"	13.4m	-	-	-	1

PROTREES WEEPING WILLOW TREES

Professional quality ready-made Weeping Willow style trees for instant landscaping. Delicate, but extremely realistic. Comes packaged in clear tubes for protection. Completely hand fabricated from twisted wire, fiber strands and foam. Trunks are painted. Height includes the appropriate trunk length. Dimensions are approximate and may vary.



CODE	ACTUAL SIZE				SCALE HEIGHT						PKG.		
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		QTY.
PREW-38	1-1/2"	38.1mm	1-1/8"	28.6mm	-	-	6'-0"	1.8m	12'-0"	3.7m	24'-0"	7.3m	2
PREW-50	2"	50.8mm	1-3/4"	44.5mm	-	-	8'-0"	2.4m	16'-0"	4.9m	32'-0"	9.8m	2
PREW-75	3"	76.2mm	3"	76.2mm	6'-0"	1.8m	12'-0"	3.7m	24'-0"	7.3m	48'-0"	14.6m	2



PROTREES PINE TREES

Professional quality ready-made Pine style trees for instant landscaping. Delicate, but extremely realistic. Comes packaged in clear tubes for protection. Completely hand fabricated from twisted wire, fiber strands and foam. Trunks are painted. Height includes the appropriate trunk length. Dimensions are approximate and may vary.

CODE	ACTUAL SIZE				SCALE HEIGHT						PKG.		
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		QTY.
PREP-38	1-1/2"	38.1mm	7/8"	22.2mm	-	-	6'-0"	1.8m	12'-0"	3.7m	24'-0"	7.3m	4
PREP-63	2-1/2"	63.5mm	1-1/2"	38.1mm	5'-0"	1.5m	10'-0"	3.0m	20'-0"	6.1m	40'-0"	12.2m	2
PREP-100	4"	101.6mm	2"	50.8mm	8'-0"	2.4m	16'-0"	4.9m	32'-0"	9.8m	-	-	2
PREP-125	5"	127.0mm	2-1/2"	63.5mm	10'-0"	3.0m	20'-0"	6.1m	40'-0"	12.2m	-	-	2



Photo courtesy of Spencer Smith, SPENCER PRESENTATIONS, Upland, CA



ECONO PALM TREE HEADS

Economical Palm Trees Heads for small scale architectural models. Fronds come flat but are flexible to allow shaping. Use .040 Styrene Rod or comparable for trunks. Precision Injection Molded in Green Polyethylene Plastic.

CODE	ACTUAL O.D.		PKG. QTY.
	PTH-13	1/2"	12.7mm
PTH-19	3/4"	19.1mm	10

ECONO PINE TREES

Economical Pine Trees in varying sizes for small scale architectural models. Also good for Z Scale layouts. Precision Injection Molded in Green Polyethylene Plastic.



CODE	ACTUAL SIZE				PKG. QTY.
	HEIGHT RANGE		WIDTH RANGE		
PINE-10	5/16" - 11/32"	7.9mm - 8.7mm	1/8" - 5/32"	3.2mm - 4.0mm	22
PINE-25	9/16" - 13/16"	14.3mm - 20.6mm	3/16" - 1/4"	4.8mm - 6.4mm	10



CHRISTMAS/PINE TREES

Christmas/Pine Trees for a variety of model uses. Great for Christmas dioramas and decorations. Includes a realistic trunk base. Very rugged construction. Precision Injection Molded in Green Polyethylene Plastic and Flocked with Ground Foam. Dimensions are approximate and may vary.

CODE	ACTUAL SIZE				SCALE HEIGHT						PKG. QTY.		
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		
PINE-60	2-3/8"	60.3mm	1-5/8"	41.3mm	5'-0"	1.5m	9'-6"	2.9m	19'-0"	5.8m	38'-0"	11.6m	3
PINE-90	3-3/4"	95.3mm	2"	50.8mm	7'-6"	2.3m	15'-0"	4.6m	30'-0"	9.1m	-	-	3
PINE-120	4-5/8"	117.5mm	2"	50.8mm	9'-0"	2.7m	18'-6"	5.6m	37'-0"	11.3m	-	-	3

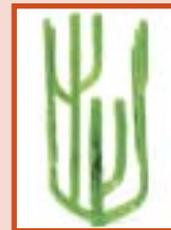
PLASTREE PLASTRUNKS

PLASTRUCT Plastrunks are designed to fit our Plastrees. Tree stumps press fit onto the wire trunks, providing stability and realism. Trunk may be glued in position or left loose for repositioning or removal. Precision Injection Molded in Brown Styrene Plastic.



CODE	ACTUAL I.D.	TO FIT PLASTREES	PKG. QTY.
TRUNK-20	.0775	TREE-50	5
TRUNK-30	.093	TREE-70	3
TRUNK-40	.076	FIR & POP 45 & 50	5

ECONO SAGUARO CACTUS



Quality economical Saguardo Cactus for instant southwestern landscaping. Sturdy, yet realistic. Plant as is, or flock with our extra fine ground cover. May also be cut into several small plants or used as supplied. Precision Injection Molded in Green Styrene Plastic. Height includes the full supplied trunk length. Dimensions are approximate and may vary.

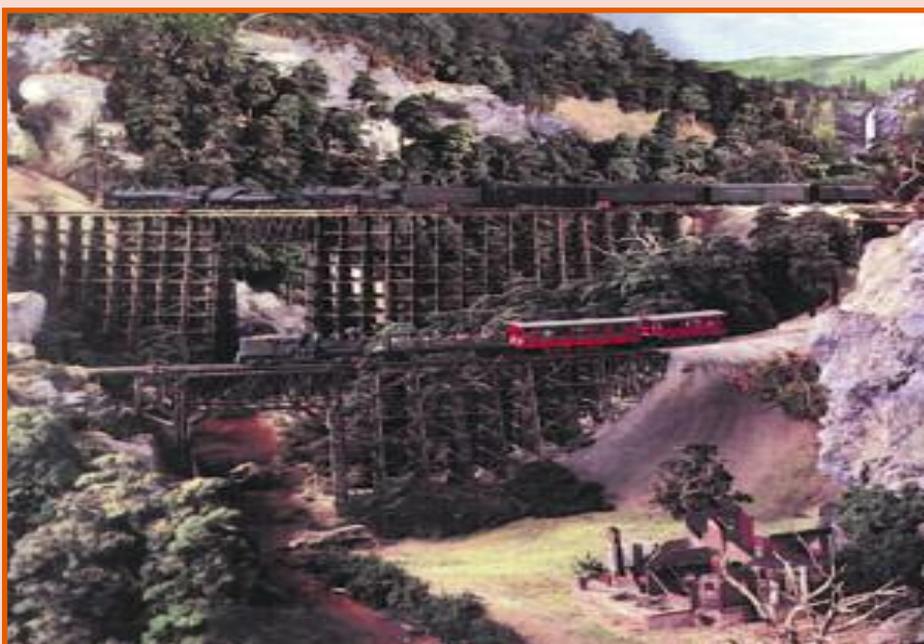
CODE	ACTUAL SIZE				SCALE HEIGHT								PKG. QTY.
	HEIGHT		WIDTH		G / 1:24		O / 1:48		HO / 1:100		N / 1:200		
SUG-25	1-1/4"	31.8mm	1/2"	12.7mm	-	-	5'-0"	1.5m	10'-2"	3.0m	20'-0"	6.1m	6
SUG-50	2"	50.8mm	1/2"	12.7mm	4'-0"	1.2m	8'-0"	2.4m	16'-0"	4.9m	-	-	5
SUG-85	3-1/2"	88.9mm	5/8"	15.9mm	7'-0"	2.1m	14'-0"	4.3m	-	-	-	-	4
SUG-95	4"	101.6mm	1"	25.4mm	8'-0"	2.4m	16'-0"	4.9m	-	-	-	-	3
SUG-105	4-1/2"	114.3mm	1-7/8"	47.6mm	9'-0"	2.7m	-	-	-	-	-	-	3

PLASTREES PEAR CACTUS



Unique Pear Cactus for instant southwestern landscaping. Create your own configuration of plants by simply cutting apart the cacti pods (beaver tails). Plant as is, or paint a flat light green for added realism. Injection Molded in Green Styrene Plastic. Dimensions are approximate and may vary.

CODE	SCALE	POD ACTUAL SIZE				POD QTY.
		HEIGHT		WIDTH		
PEAR-4	HO 1:100	1/2"	12.7mm	3/8"	9.5mm	18
PEAR-7	O 1:48	3/4"	19.1mm	5/8"	15.9mm	20
PEAR-11	G 1:24	1-3/8"	34.9mm	1"	25.4mm	16



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READY-MADE FOAM HEDGES

Use for hedges on your layout or architectural models. Also great for doll houses. May be used as is or add ground foam foliage for color and additional texture. Plant directly on the model base using white glue to keep in place. Hand Fabricated of Green Cellular Foam.

CODE	ACTUAL SIZE			
	HEIGHT		WIDTH	
HEG-8	1/4"	6.4mm	3/16"	4.8mm
HEG-12	3/8"	12.7mm	1/4"	6.4mm
HEG-20	5/8"	15.9mm	3/8"	9.5mm
HEG-32	1"	25.4mm	3/8"	9.5mm
HEG-200	1-1/2"	38.1mm	1"	25.4mm
HEG-300	3"	76.2mm	1-1/2"	38.1mm

NOTE: 12" (300mm) Length.

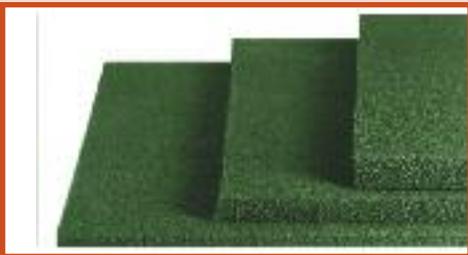
MANICURED FOAM HEDGES

Professional looking Hedges for your layout or architectural models. Also great for dollhouses. Plant directly on the model base using white glue to keep in place. Hand fabricated green cellular foam with quality ground foliage flocking applied.



CODE	ACTUAL SIZE			
	HEIGHT		WIDTH	
HEG-8F	1/4"	6.4mm	3/16"	4.8mm
HEG-10F	3/8"	9.5mm	1/4"	6.4mm
HEG-20F	5/8"	15.9mm	3/8"	9.5mm
HEG-32F	1"	25.4mm	3/8"	9.5mm
HEG-150F	1-1/2"	38.1mm	1"	25.4mm
HEG-300F	3"	76.2mm	1-1/2"	38.1mm

NOTE: 12" (300mm) Length.



FOAM MASS PLANTING

Use to represent large areas of trees or thick foliage on your layout or architectural model. You can also form your own hedges or special topiary requirements. The same airy Green Cellular Foam used to make our own hedges and bushes.

CODE	ACTUAL SIZE					
	THICKNESS		LENGTH		WIDTH	
MPF-8	1/4"	6.4mm	24"	600.0mm	12"	300.0mm
MPF-12	3/8"	9.5mm	24"	600.0mm	12"	300.0mm
MPF-16	1/2"	12.7mm	24"	600.0mm	12"	300.0mm

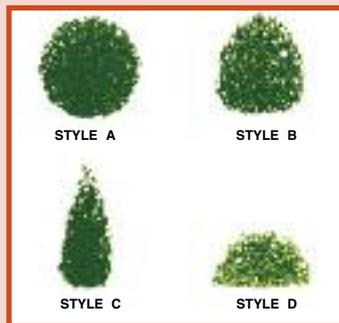


NEED IT FAST?

Specify Fed-Ex or UPS Next Day Service. We also offer 2 and 3 Day Air Service, as well as Economical Ground.

ECONO FOAM TREE HEADS

Use for tree heads in architectural models. Also great for representing bushes or topiary in doll houses. May be used as is or add ground foam foliage for color and additional texture. Plant directly on the model base or use a nail or other round object as a trunk. Simply push the Tree Head on and apply white glue to keep in place. Hand Fabricated of Green Cellular Foam. Dimensions are approximate and may vary.



CODE	STYLE	ACTUAL SIZE				PKG.
		HEIGHT		WIDTH		QTY.
TR-2A	A	1/2"	12.7mm	1/2"	12.7mm	5
TR-2B	B	1/2"	12.7mm	3/8"	9.5mm	5
TR-2C	C	1/2"	12.7mm	1/4"	6.4mm	5
TR-2D	D	3/8"	9.5mm	5/8"	15.9mm	5
TR-4A	A	3/4"	19.1mm	3/4"	19.1mm	5
TR-4B	B	3/4"	19.1mm	5/8"	15.9mm	5
TR-4C	C	3/4"	19.1mm	7/16"	11.1mm	5
TR-4D	D	1/2"	12.7mm	3/4"	19.1mm	5
TR-8A	A	1"	25.4mm	1"	25.4mm	5
TR-8B	B	1"	25.4mm	13/16"	20.6mm	5
TR-8C	C	1"	25.4mm	5/8"	15.9mm	5
TR-8D	D	5/8"	15.9mm	1"	25.4mm	5
TR-12A	A	1-1/2"	38.1mm	1-1/2"	38.1mm	5
TR-12B	B	1-1/2"	38.1mm	1"	25.4mm	5
TR-12C	C	1-1/2"	38.1mm	3/4"	19.1mm	5
TR-12D	D	1"	25.4mm	1-1/2"	38.1mm	5
TR-24B	B	2"	50.8mm	1-1/2"	38.1mm	5
TR-24C	C	2"	50.8mm	1"	25.4mm	5
TR-24D	D	1-3/8"	34.9mm	2"	50.8mm	5
TR-36C	C	3"	76.2mm	1-3/8"	34.9mm	3
TR-48C	C	4"	101.6mm	1-1/2"	38.1mm	3

MANICURED FOAM TREES & BUSHES



Use for trees, plants, bushes or shrubs in large scale model railroad layouts and doll houses. Plant directly on the model base using white glue to keep in place. Hand Fabricated of Green Cellular Foam with ground foliage applied. Dimensions are approximate and may vary.

CODE	STYLE	ACTUAL SIZE				PKG.
		HEIGHT		WIDTH		QTY.
TRB-3	A	5/8"	15.9mm	1"	25.4mm	3
TRB-6	A	3/4"	19.0mm	1-1/2"	38.1mm	2
TRB-9	B	1-1/2"	38.1mm	1-1/2"	38.1mm	2
TRB-12	C	1-1/2"	38.1mm	1-1/2"	38.1mm	2
TRB-18	A	1-1/2"	38.1mm	2"	50.8mm	2
TRB-24	D	2-1/2"	63.5mm	1-3/4"	44.5mm	2
TRB-36	E	2"	50.8mm	3"	76.2mm	2
TRB-48	F	4"	101.6mm	2"	50.8mm	2
TRB-54	G	4-1/2"	114.3mm	1-3/4"	44.5mm	2
TRB-84	G	7"	175.0mm	2"	50.8mm	2
TRB-108	G	9"	225.0mm	2"	50.8mm	2



PLASTURF & GROUND FOAMS

Quality foliage, brush and turf Ground Foams in several grades and colors. Three types of foam to choose from: our Plasturf "standard ground foams", our "cellular ground foams" (has the appearance of lichen), and our extra-fine "felt-like ground foams". All are easily applied using spray adhesives, white glues or silicone adhesives. All foams are professional quality, will not dry out, fade or crumble with age.



FOAM-101



FOAM-102



FOAM-103



FOAM-104



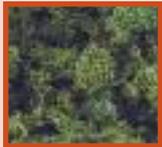
FOAM-105



FOAM-106



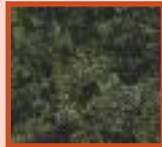
FOAM-201



FOAM-202



FOAM-203



FOAM-204



FOAM-205



FOAM-206



FOAM-301



FOAM-302



FOAM-303



FOAM-304



FOAM-305



FOAM-306



GC-1



GC-2



GC-3



GC-5



GC-6



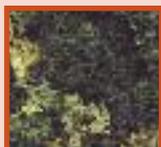
GC-7



GC-8



GC-9



GC-10



GC-20



GC-24



GC-25



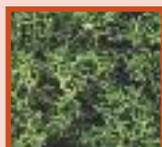
GC-30



GC-31



GC-32



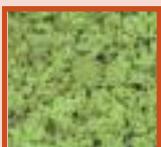
GC-33



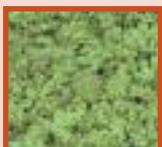
GC-35



GC-36



GC-37



GC-38



GC-39



GC-40



GC-41



GC-42



GC-43



GC-46



GC-47



GC-48



GC-49

LANDSCAPING

PLASTURF & GROUND FOAMS

CODE	COLOR	TEXTURE / USAGE	PKG. WT.
FOAM-101	Spring Green	Fine / Turf	1 oz. / 28 gr.
FOAM-102	Grass Green	Fine / Turf	1 oz. / 28 gr.
FOAM-103	Conifer Green	Fine / Turf	1 oz. / 28 gr.
FOAM-104	Olive Green	Fine / Turf	1 oz. / 28 gr.
FOAM-105	Gold Straw	Fine / Turf	1 oz. / 28 gr.
FOAM-106	Dark Earth	Fine / Turf	1 oz. / 28 gr.
FOAM-201	Spring Green	Medium / Foliage	20 gr.
FOAM-202	Grass Green	Medium / Foliage	20 gr.
FOAM-203	Conifer Green	Medium / Foliage	20 gr.
FOAM-204	Olive Green	Medium / Foliage	20 gr.
FOAM-205	Gold Straw	Medium / Foliage	20 gr.
FOAM-206	Dark Earth	Medium / Foliage	20 gr.
FOAM-301	Spring Green	Coarse / Brush	20 gr.
FOAM-302	Grass Green	Coarse / Brush	20 gr.
FOAM-303	Conifer Green	Coarse / Brush	20 gr.
FOAM-304	Olive Green	Coarse / Brush	20 gr.
FOAM-305	Gold Straw	Coarse / Brush	20 gr.
FOAM-306	Dark Earth	Coarse / Brush	20 gr.
GC-1	Light Green Mix	Fine / Ground Cover	30 gr.
GC-2	Medium Green Mix	Fine / Ground Cover	30 gr.
GC-3	Dark Green Mix	Fine / Ground Cover	30 gr.
GC-5	Light Green Mix	Medium / Ground Cover	25 gr.
GC-6	Medium Green Mix	Medium / Ground Cover	25 gr.
GC-7	Dark Green Mix	Medium / Ground Cover	25 gr.
GC-8	Dark Cedar Mix	Medium / Ground Cover	50 gr.
GC-9	Lush Green Mix	Medium / Ground Cover	35 gr.
GC-10	Dark Green Mix	Coarse / Foliage	20 gr.
GC-20	Green Mix	Medium / Foliage	20 gr.
GC-24	Sugar Maple Mix	Medium / Foliage	20 gr.
GC-25	Autumn Mix	Medium / Foliage	20 gr.
GC-30	Green Mix	Fine / Foliage	25 gr.
GC-31	Spring Green	Fine / Foliage	30 gr.
GC-32	Grass Green	Fine / Foliage	30 gr.
GC-33	Evergreen	Fine / Foliage	20 gr.
GC-35	Autumn Mix	Fine / Foliage	25 gr.
GC-36	Leaf Green	Fine / Foliage	30 gr.
GC-37	Bright Green	Fine / Foliage	30 gr.
GC-38	Mint Green	Fine / Foliage	30 gr.
GC-39	Autumn Gold	Fine / Foliage	30 gr.
GC-40	Autumn Red	Fine / Foliage	30 gr.
GC-41	Spring Green	Extra Fine / Turf	50 gr.
GC-42	Grass Green	Extra Fine / Turf	50 gr.
GC-43	Evergreen	Extra Fine / Turf	50 gr.
GC-46	Burnt Grass	Extra Fine / Turf	50 gr.
GC-47	Light Earth	Extra Fine / Turf	50 gr.
GC-48	Dark Earth	Extra Fine / Turf	50 gr.
GC-49	Yellow Straw	Extra Fine / Turf	50 gr.

NOTE: The above colors and textures are close representations of the actual product. No guarantees are provided.



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VISA/MasterCard. (800) 666-7015 8:00 am-2:00 pm Pacific Time.

LANDSCAPING

BLOSSOM FOAMS



GC-61



GC-62



GC-63



GC-64



GC-65



GC-66



GC-67



GC-68

Add color to your landscape with these colorful Blossom Foams in several colors. Just sprinkle on top of your primary covering. Mix two or three colors to your hedges or planters.

All are easily applied using spray adhesives, white glues or silicone adhesives.

CODE	COLOR	TEXTURE	PKG. WT.
GC-61	Light Pink	Extra Fine	8 gr.
GC-62	Burgundy	Extra Fine	8 gr.
GC-63	Red	Extra Fine	8 gr.
GC-64	Dark Pink	Extra Fine	8 gr.
GC-65	Purple	Extra Fine	8 gr.
GC-66	Blue	Extra Fine	8 gr.
GC-67	Yellow	Extra Fine	8 gr.
GC-68	White	Extra Fine	8 gr.

CLINGING VINES

Two vines to add character to your layout or model. BV-90 is premade and ready to use. Precision Injection Molded in Green Polyethylene Plastic and Flocked with Ground Foam and Blossoms. VINE-12 comes as a Kit ready to assemble. The Mini-kit comes with the vine prefabricated, trellis and blossoms and simple instructions.



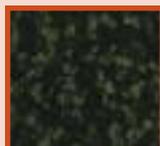
CODE	ACTUAL SIZE			
	HEIGHT		WIDTH	
BV-90	4"	100.0mm	4"	100.0mm
VINE-12	8"	200.0mm	4"	100.0mm



TRC-5



TRC-6



TRC-7

FOLIAGE FIBRE CLUSTERS

One step better than above, this non-metallic fibre material already has the foliage applied. Simply pull apart into a thin layer and drape over your tree armature. Attach with a general purpose adhesive or glue. Strong enough to hold it's shape, yet thin enough to not detract from the realism.

Material cluster size 1/8" (3.2mm) x 4" (100mm) x 8" (200mm). Enough material to do 10 average trees.

CODE	COLOR
TRC-5	Light Green
TRC-6	Medium Green
TRC-7	Dark Green

TURF MATTING

Grass green, paper-backed felt material allows instant landscaping. Ideal for school projects and doll house landscaping. May be used as grass sod, astro-turf or indoor-outdoor carpeting. .015 (0.4mm) thickness.

Also great for craft and other projects around the home. Comes in a roll to eliminate creases and seams.



CODE	ACTUAL SIZE			
	LENGTH		WIDTH	
ASTF-18	27"	685mm	18"	450mm
ASTF-36	27"	685mm	36"	900mm



GC-100



GC-101



GC-102

GRAVEL & BALLAST

Use these gravels, shown actual size, in any scale around your layout or architectural model as you would in real life. All are easily applied using spray adhesives, white glues or silicone adhesives.



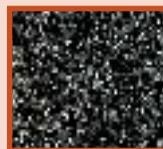
GC-103



GC-104



GC-105



GC-106



GC-122



GC-123



GC-124



GC-125



GC-126



GC-127



GC-131



GC-135

CODE	COLOR	TEXTURE	PKG. WT.
GC-100	Beige Mix	Extra Fine Gravel	8 oz. 225gr.
GC-101	Beige Mix	Fine Gravel	8 oz. 225gr.
GC-102	Beige	Super Fine Gravel	10 oz. 300gr.
GC-103	Gray	Super Fine Gravel	10 oz. 300gr.
GC-104	Dark Green	Super Fine Gravel	10 oz. 300gr.
GC-105	Beige Mix	Super Fine Gravel	8 oz. 225gr.
GC-106	Grey/Black/White	Super Fine Gravel	10 oz. 300gr.
GC-122	Beige	Fine	10 oz. 300gr.
GC-123	Gray	Fine	10 oz. 300gr.
GC-124	Brown	Fine	10 oz. 300gr.
GC-125	Red	Fine	10 oz. 300gr.
GC-126	Black	Fine	10 oz. 300gr.
GC-127	White	Fine	10 oz. 300gr.
GC-131	Black	Super Fine	8 oz. 225gr.
GC-135	Black	Coarse (coal)	10 oz. 300gr.



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TREE ARMATURE WIRE



Make your own style of trees with this 36" (900mm) long, 7 strand .070 (1.8mm) wire. To use, cut wire 3/8" (9.5mm) longer than the desired tree height. Solder or glue with cyanoacrylate 1" (25.4mm) of one end of the wire. Unravel the wire to the desired configuration as illustrated. Paint appropriate color; and apply foliage when paint is dry.

CODE: TW-10

ARMATURES

Use 'as is' to represent barren trees or easily modify by adding foliage to create "live" green trees.

Dimensions are approximate and may vary.



CODE	STYLE	ACTUAL SIZE				PKG. QTY.
		HEIGHT		WIDTH		
ARMDC-30	A	1-1/2"	38.1mm	1"	25.4mm	6
ARMDC-45	A	2"	50.8mm	1-1/4"	31.75mm	4
ARMDC-50	A	2-1-2"	63.5mm	1-1/2"	38.1mm	4
ARMDC-90	A	4"	101.6mm	2-1-2"	63.5mm	2
ARMMG-30	B	1-1/2"	38.1mm	3/4"	19.05mm	6
ARMMG-45	B	2"	50.8mm	3/4"	19.05mm	4
ARMMG-70	B	3"	76.2mm	1"	25.4mm	4
ARMMG-90	B	4"	101.6mm	1-1/2"	38.1mm	2
ARMPN-30	C	1-1/2"	38.1mm	3/4"	19.05mm	6
ARMPN-45	C	2"	50.8mm	1"	25.4mm	4
ARMPN-70	C	3"	76.2mm	1-1/2"	38.1mm	4
ARMPN-90	C	4"	101.6mm	2"	50.8mm	2
ARMRH-18	D	1"	25.4mm	1/2"	12.70mm	6
ARMRH-30	D	1-1/2"	38.1mm	3/4"	19.05mm	4
ARMRH-50	D	2-1-2"	63.5mm	1-1/2"	38.1mm	4
ARMRH-90	D	4"	101.6mm	2-1-2"	63.5mm	2
ARMSC-30	E	1-1/2"	38.1mm	3/4"	19.05mm	6
ARMSC-45	E	2"	50.8mm	1"	25.4mm	4
ARMSC-50	E	2-1-2"	63.5mm	1-1/4"	31.75mm	4
ARMSC-90	E	4"	101.6mm	1-1/2"	38.1mm	2
ARMWW-30	F	1-1/2"	38.1mm	1-1/2"	38.1mm	6
ARMWW-45	F	2"	50.8mm	2"	50.8mm	4
ARMWW-50	F	2-1-2"	63.5mm	2-1-2"	63.5mm	4
ARMWW-90	F	4"	101.6mm	3-1-2"	88.9mm	2

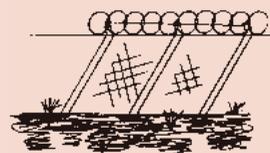
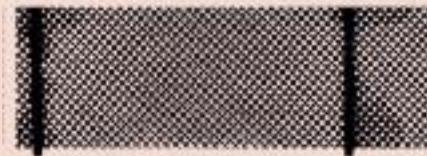


PLASTREES BARREN TREES

The **first**, and the **most authentic**, flexible plastic tree armatures. Unlike other brands, these tree armatures are completely 3-dimensional. Decorate to your liking, or use them as-is for barren trees. May be trimmed to create many different styles of trees. Additional forming of the smaller branches can be easily accomplished without heat. Foliage is easily added using a spray adhesive, rubber cement or our GES-2 silicone glue. Injection molded in a Brown Styrene blended Plastic. Dimensions are approximate and may vary.

CODE	ACTUAL SIZE				SCALE HEIGHT				PKG. QTY.				
	HEIGHT		WIDTH		G / 1:24	O / 1:48	HO / 1:100	N / 1:200					
ARM-30	1-1/4"	31.8mm	5/8"	15.9mm	-	-	5'-0"	1.5m	9'-0"	2.7m	17'-0"	5.2m	5
ARM-50	2"	50.8mm	7/8"	22.2mm	-	-	8'-0"	2.4m	14'-6"	4.4m	27'-0"	8.2m	5
ARM-100	4"	101.6mm	2"	50.8mm	8'-0"	2.4m	16'-0"	4.9m	29'-0"	8.8m	53'-0"	16.2m	4
ARM-150	6"	152.4mm	3"	76.2mm	12'-0"	3.7m	24'-0"	7.3m	43'-6"	13.3m	-	-	2
ARM-200	8"	203.2mm	4"	101.6mm	16'-0"	4.9m	32'-0"	9.8m	58'-0"	17.7m	-	-	2

CUSTOM CHAIN LINK FENCE



Build your own chain link fence in the same manner as real life. First, install posts (75" (1900mm) actual furnished), then attach fencing. Two (1-1/16" (27mm) high by 24" (600mm) long actual) strips of fencing included. Furnished height is 8' (2.4m) in HO scale. May also be used in other scales. The same material is also available in 7" x 10" (175mm x 250mm) sheets (see later in this Catalog). To represent razor wire for security fencing, add curled piano wire or the equivalent to the top of your fence.

CODE: FEN-4



STRT-1



STRT-2

PAPER ROADWAYS

Use for roads and parking lots on models requiring minimal realism such as school projects. 11-3/4" (300mm) x 26-3/4" (675mm) x 5mil (.1mm) asphalt or concrete patterned printed paper may be applied directly to the model base or to a secondary rigid material and then attached to the model surface.

PLASTIC LAKE OR POND

Create a lake or pond in seconds. Artistic shape will add character to your layout, doll house exterior or architectural model. Precision Injection Molded in Blue Acrylic Plastic. Dimensions approximately 3-1/2" (88.9mm) x 4-1/2" (114.3mm).

CODE: WPPB-3



PLASTIC WATERFALL & STREAM

Create a stream or waterfall in seconds. Realistic shape and texture will add character to your layout, doll house exterior or architectural model. Use together or separately. Dimension above waterfall listed as length, and height of waterfall listed as height. Precision Injection Molded in Blue or Clear Acrylic Plastic.

CODE	ACTUAL SIZE						COLOR	STYLE
	HEIGHT		WIDTH		LENGTH			
WRFB-5	5-1/4"	133.4mm	1-5/8"	41.3mm	1-3/4"	44.5mm	Blue	A
WRFB-10	-	-	1-5/8"	41.3mm	8-1/2"	216mm	Blue	B
WRFC-5	5-1/4"	133.4mm	1-5/8"	41.3mm	1-3/4"	44.5mm	Clear	A
WRFC-10	-	-	1-5/8"	41.3mm	8-1/2"	216mm	Clear	B



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CONTOURED TOPOGRAPHY FROM EXPANDED FOAM

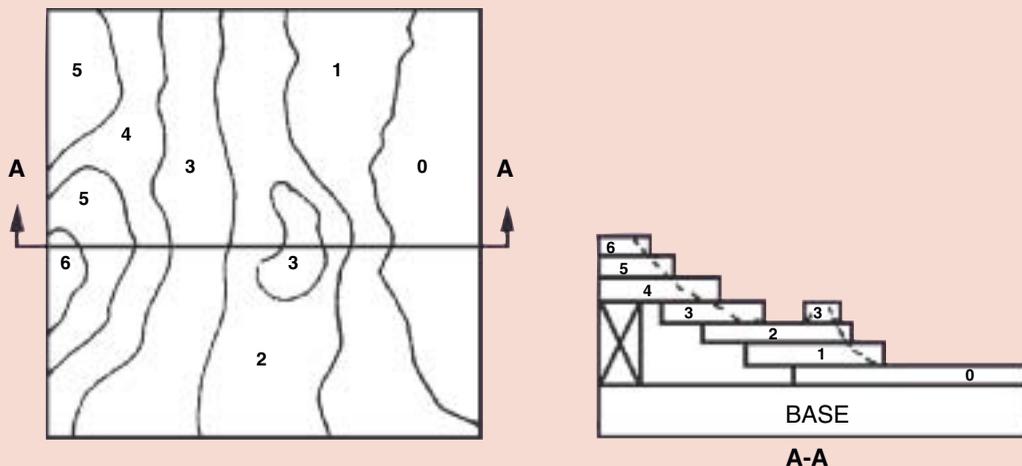
FLAT SITES

A thin sheet of foam (1/4" Urethane, 3/16" Foam Board or 1" Expanded Styrene) adhered to your plywood base makes an excellent working surface for many types of models. Paint the foam with latex or acrylic paint of the proper color. This will provide the perfect surface upon which to apply ground cover and makes tree "planting" an easy task.

CONTOURED SITES

One of the simpler methods when precise contours are unnecessary is the layered method. The following example of this method requires three 1" sheets of foam the full size of the base. However, in actual practice, you will probably use varying thicknesses.

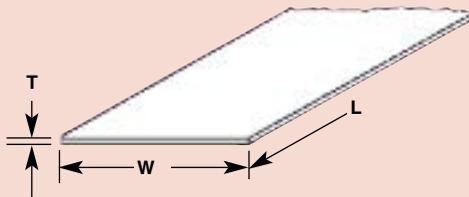
1. Establish grade points at 1" intervals from your contour map (See figures below).



2. Cut the 0 and 3 contours from your first sheet. Cut contours 1 and 4 from the second, and contours 2, 5 and 6 from the third sheet. Scraps will be used for propping and miscellaneous fill-in. Use a serrated knife or hack saw with a sawing motion when cutting the contours.
3. Glue the levels of foam together with the appropriate glue (see our cement guide) and hold in position with nails until the glue dries (allow at least 24 hours). Consider nail placement so they will not affect contour shaping later.
4. With a hobby knife, cut the first contour elevation from your contour map and tack to the appropriate level of foam. With this as your guide, using a serrated knife or hobby knife, roughly trim off the excess foam from that level. Repeat this process until all levels have been trimmed. Remove contour map pieces.
5. Using coarse sandpaper and caution as foams sand easily, sand the contours smooth.
6. Paint the foam a color that will be a suitable undercoat for your finished landscape. Use latex or acrylic paint. OR, see our Polyterrain or Magic Earth materials.

CORK SHEET

Two thicknesses of thin cork in 4 sheet sizes for topography, model base overlay or roadbed on model railroad layouts. Also great for architects, artists, craftpeople and hobbyists.

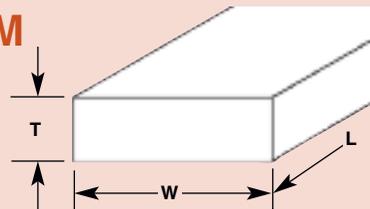


CODE	ACTUAL SIZE					
	'T'		'W'		'L'	
CORK-612	1/16"	1.6mm	12"	300mm	12"	300mm
CORK-624	1/16"	1.6mm	12"	300mm	24"	600mm
CORK-636	1/16"	1.6mm	12"	300mm	36"	900mm
CORK-672	1/16"	1.6mm	24"	600mm	36"	900mm
CORK-1212	1/8"	3.2mm	12"	300mm	12"	300mm
CORK-1224	1/8"	3.2mm	12"	300mm	24"	600mm
CORK-1236	1/8"	3.2mm	12"	300mm	36"	900mm
CORK-1272	1/8"	3.2mm	24"	600mm	36"	900mm

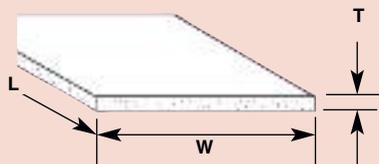
CORK, FOAM BLOCK & BOARD

STYRENE & URETHANE BLOCK FOAM

Here's a wide selection of Foams to meet most foam applications. Ideal for terrain or topographic models, or for block models left unfinished or finished with exterior detail. Included are 2# density Expanded Polystyrene, and 6# density Expanded Urethane Foams. The Polystyrene (STYS) has a very fine cell, providing a smooth surface which may be painted. Polystyrene foam may be cut with a saw, knife or hot-wire cutter. Urethane foams may be cut with a saw or knife only; hot wire cutter will emit toxic fumes. The 2# density materials are light blue in color, the 6# density is a dirty Brown.



CODE	MATERIAL	DENSITY	ACTUAL SIZE			COLOR			
			'W'	'L'	'T'				
STYF-24	Expanded Urethane	6#	12"	300mm	24"	600mm	4"	100mm	Tan
STYF-36	Expanded Urethane	6#	12"	300mm	36"	900mm	4"	100mm	Tan
STYS-1	Expanded Polystyrene	2#	12"	300mm	12"	600mm	1"	25mm	Light Blue
STYS-2	Expanded Polystyrene	2#	12"	300mm	24"	600mm	1"	25mm	Light Blue
STYS-3	Expanded Polystyrene	2#	12"	300mm	36"	900mm	1"	25mm	Light Blue
STYS-12	Expanded Polystyrene	2#	12"	300mm	12"	600mm	4"	25mm	Light Blue
STYS-24	Expanded Polystyrene	2#	12"	300mm	24"	600mm	4"	100mm	Light Blue
STYS-36	Expanded Polystyrene	2#	12"	300mm	36"	900mm	4"	100mm	Light Blue



STYRENE FOAM BOARD

Two thicknesses of White Styrene film laminated onto an Extruded Polystyrene Foam center. Versatile, extremely light weight and durable, the all plastic construction is moisture proof, eliminating the possibility of warping. Removing the Styrene skin from one side of the board allows bending. Accepts many paints. Ideal for model bases and building substrates. Also great for many other applications, such as sign making, school projects, picture mounting and more. Larger sheet sizes available upon quotation.

CODE	SKIN		LBS. / SQ. FT.	ACTUAL SIZE					
	THICKNESS			'W'	'L'	'T'			
FB-2	.005	0.1mm	.078	12"	300mm	24"	600mm	1/16"	1.6mm
FB-4	.005	0.1mm	.094	12"	300mm	24"	600mm	1/8"	3.2mm
FB-6	.005	0.1mm	.109	12"	300mm	24"	600mm	3/16"	4.8mm
FB-12	.005	0.1mm	.078	12"	300mm	36"	900mm	1/16"	1.6mm
FB-14	.005	0.1mm	.094	12"	300mm	36"	900mm	1/8"	3.2mm
FB-16	.005	0.1mm	.109	12"	300mm	36"	900mm	3/16"	4.8mm



IN A HURRY?

Call our Toll Free 800 Order Line and pay by VISA/MasterCard. (800) 666-7015 8:00 am-2:00 pm Pacific Time.



PLASTIC WELD SOLVENT CEMENT

The leading general purpose solvent cement for fast, permanent bonding of most dissimilar plastics. Immediately tacky. Sets in minutes. Permanently bonds ABS to Butyrate, ABS to Styrene, ABS to Acrylic and more. Actually dissolves a thin film of the surfaces to be joined, creating a bond as strong as the surrounding areas. Also works as a liquid filler. Full coverage attained by capillary action. 2 oz. bottle comes with applicator brush in cap.

2 oz (59 ml.) Bottle.
16 oz (473 ml.) Can.

CODE: PPC-2
CODE: PPC-16

BONDENE SOLVENT CEMENT

A specially formulated solvent cement for fast, permanent bonding of most similar plastics, including Styrene. Quickly bonds ABS to ABS, Styrene to Styrene, Butyrate to Butyrate and Acrylic to Acrylic. Actually melts the surfaces together, creating a bond as strong as the surrounding areas. Full coverage attained by capillary action. 2 oz bottle comes with applicator brush in cap.

2 oz (59 ml.) Bottle.
16 oz (473 ml.) Can.

CODE: BOND-2
CODE: BOND-16



WELD-ON #4 ACRYLIC SOLVENT CEMENT

The best solvent cement for bonding most common Acrylic plastics to similar plastics (will not bond cross-linked Acrylics). Clear, water thin formula with a fast dry and cure time. Full coverage attained by capillary action. 16 oz (473 ml.) Can.

CODE: WOC-3



IN A HURRY?

Call our Toll Free 800 Order Line and pay by
VISA/MasterCard. (800) 666-7015 8:00 am-2:00 pm Pacific Time.

CYANOACRYLATE GLUES

Here's a broad selection of Cyanoacrylate glues and associated products to meet most difficult bonding requirements. Three thicknesses of commercial quality glues along with a spray accelerator and a very valuable de-bonder give you total control in bonding most hard-to-glue applications. **CAUTION SHOULD BE TAKEN WHEN USING THESE PRODUCTS.**



CODE	SIZE	DESCRIPTION CONSISTENCY
CYC-1	1 oz. 29 ml.	Original Thin Glue
CYC-2	1 oz. 29 ml.	Gap Filler
CYC-3	1 oz. 29 ml.	Extra Thick Glue
CYA-3	2 oz. 59 ml.	Spray Accelerator
CYU-2	1 oz. 29 ml.	Glue De-Bonder



5, 15 & 30 MINUTE EPOXY CEMENTS

Three excellent, Two-Part Epoxy Glues for general modeling use. Ideal and recommended when gluing foams and dissimilar materials. Cure times are 5, 15 or 30 minutes. The two 2-1/4 oz. (67 ml.) bottles are graduated for easy and accurate mixing.

CODE	SIZE	DESCRIPTION
EPX-5	4-1/2 oz. 133 ml.	5 Minute Epoxy Cement
EPX-15	4-1/2 oz. 133 ml.	15 Minute Epoxy Cement
EPX-30	4-1/2 oz. 133 ml.	30 Minute Epoxy Cement

GE SILICONE II GLUE

An excellent, thick bodied, flexible glue for general modeling use. Ideal and recommended when gluing Styrene Plain and Patterned Sheets. The thick body fills pattern voids, providing better adhesion. Also ideal as a tree planting glue. Does not melt the plastic, dry out, crack or discolor.

2.8 oz. (83 ml.) Tube with applicator nozzle.

CODE: GES-2



NEED IT FAST?

Specify Fed-Ex or UPS Next Day Service. We also offer 2 and 3 Day Air Service, as well as Economical Ground.



MILLIPUT EPOXY PUTTY

Three grades of two-part epoxy putty for modeling, repairing household items or sculpting. Works like putty, hardens like rock in two to three hours, and may be machined like plastic or wood. Adheres to and will seal or bond metals, wood, plastics, glass, ceramics or even cement. MEP-1 and MEP-2 are for general use, while MEP-3 is preferred where fine detail is desired.

CODE	SIZE	COLOR / CONSISTENCY
MEP-1	4 oz. 113 gr.	Yellow-gray / Regular
MEP-2	4 oz. 113 gr.	Silver-gray / Regular
MEP-3	4 oz. 113 gr.	White / Fine

ALUMILITE QUICK-SET RUBBER

Alumilite Quick Set RTV Silicone Rubber allows fast reproduction of almost any master pattern. Unlike most rubber mold materials, this unique material has a 30 minute working time and cures in just 4 hours. 1 lb. (.45 kg.) package includes catalyst.

CODE: ALUM-16



ALUMILITE 10 MINUTE PUTTY

Alumilite 10 Minute Silicone Putty allows immediate reproduction of almost any small master pattern. Eye-ball equal amounts of the two parts and kneed them together for about 45 seconds. Press your master and, in 10 minutes, you are ready to pour your casting material. 1 lb. (.45 kg.) package.

CODE: ALUM-1

ALUMILITE LIQUID CASTING PLASTIC

Alumilite is a two-part, white liquid casting plastic that goes from liquid to solid in just three minutes. It is easy to use, virtually odorless, and will duplicate any part, down to the most minute detail. It can be easily sanded, drilled, machined, painted or even plated. Alumilite comes with equal 14 oz. (414 ml.) bottles of the two-part chemicals, measuring cups, mixing sticks and working instructions.

CODE: ALUM-28



NEED IT FAST?

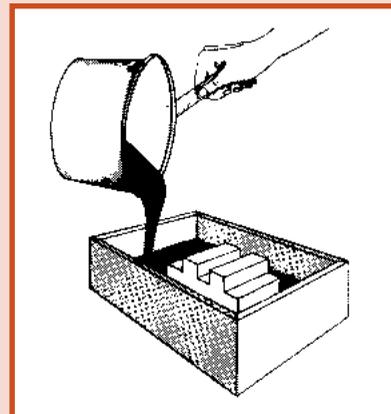
Specify Fed-Ex or UPS Next Day Service. We also offer 2 and 3 Day Air Service, as well as Economical Ground.

VINYL MOLDING COMPOUND

Meltable, flexible molding compound, ideal in forming flexible molds for casting reproductions with most casting resins. Made of a composition of Vinyls, few tools and only simple equipment are required. Can be rendered for mold making by low to medium heat on a domestic stove using a saucepan. Unlike most other flexible mold compounds, worn or obsolete molds may be cleaned and re-melted many times over, dependent upon the care and control exercised during melting. Instructions and safety data included. 1 lb. (.45 kg.) package.

Melting temperature is 302°-338°F (150°C-170°C); pouring temperature is 284°-302°F (140°C-150°C).

CODE: MMC-16



PVC GLOVES

Surgical style, industrial grade, disposable, PVC Gloves for use when casting with Polyurethane casting resins or whenever you feel added safety is best. Also great for household chores or wherever chemicals are used. Furnished in pairs.

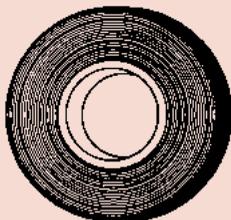
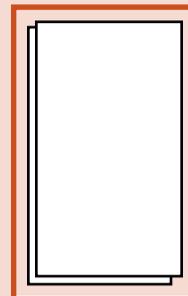
CODE: CDG-2

DOUBLE SIDED ADHESIVE SHEET

Permanent double sided clear adhesive sheet. Great for flat bonding of plastic sheets, wall paper, photos, etc.

2 sheets per pack. Sheet size: 6-3/4" x 12" (172mm x 300mm)

CODE: SCKP-1



VINYL ELECTRICIANS TAPE

Versatile vinyl electricians tape for temporary holding of assemblies and jigs as well as numerous other jobs.

CODE: ET-1



IN A HURRY?

Call our Toll Free 800 Order Line and pay by
VISA/MasterCard. (800) 666-7015 8:00 am-2:00 pm Pacific Time.



SOLVENT SYRINGES

Three Solvent Syringes for accurate and clean application of solvent cements. Blunt needle allows exact placement of solvent in hard to reach places. Note: Dipping plunger in solvent before inserting into barrel will help with plunger sticking.

CODE	CAPACITY
HT-8	3cc
HT-10	10cc

SOLVENT DISPENSER

The ideal dispenser for solvent cements. Stainless-steel pump unit with Polypropylene bottle withstands most solvents. Light pressure on dispensing dish instantly pumps desired amount of solvent into the dish. No spills, fumes or contamination. Not recommended for any viscous or bodied cements. 4 oz. (116ml) bottle.

CODE: HT-612



SOLVENT APPLICATOR DROPPER

1 oz. (29 ml.) capacity bottle with "eye-dropper" blunt applicator needle allows precise assembly with solvent cements.

CODE: HT-1

STAINLESS STEEL MODEL SCALE RULERS

One of the most useful and necessary tools in model building, quality, stainless steel rules in 6" (150mm) pocket and 12" (300mm) bench models. The "All Railroad" scale rules include O, S, HO, N and Z scales.

CODE	LENGTH	SCALE
HT-100	12" 300mm	All Railroad Scales
SSC-8	12" 300mm	O 1/4" = 1'-0" 1:48
SSC-86	6" 150mm	O 1/4" = 1'-0" 1:48
SSC-12	12" 300mm	#1 3/8" = 1'-0" 1:32
SSC-126	6" 150mm	#1 3/8" = 1'-0" 1:32
SSC-166	6" 150mm	G 1/2" = 1'-0" 1:24
SSC-24	12" 300mm	L.S. 3/4" = 1'-0" 1:16
SSC-246	6" 150mm	L.S. 3/4" = 1'-0" 1:16
SSC-33	12" 300mm	Metric 1:33
SSC-336	6" 150mm	Metric 1:33



HOBBY SAW



Excellent Hobby Saw has a 1-3/16" (30.2mm) deep by 6-1/2" (127mm) long blade with 32 teeth per inch (25.4mm). **Replacement blade is 5-1/2" long.**

CODE: HT-500

Replacement Blade.

CODE: HT-508



HOBBY KNIFE

Handy Hobby Knife with sure-grip handle and rear blade release, insuring blade stability. Clear blade shield included.

CODE: HT-391

Replacement Blades.

Pack of 5 Blades. **CODE:** HT-392

PLASTIC SHEET CUTTER



Scribe and break sheet to any size or shape with this handy tool. Most plastic sheets will break cleanly when scribed 3/4 through the thickness. Blade never needs replacing.

CODE: HT-2



HOBBY MITRE BOX

Aluminum Hobby Mitre Box makes cutting plastic and wood model parts easy and accurate. 5-1/2" (140mm) long, 1-3/4" (45mm) wide and 3/4" (19.1mm) deep.

CODE: HT-533



IN A HURRY?

Call our Toll Free 800 Order Line and pay by VISA/MasterCard. (800) 666-7015 8:00 am-2:00 pm Pacific Time.



6" STRAIGHT HEMOSTATS

6" (150mm) long surgical quality Straight Hemostats make tight work easy. Serrated lock jaws allow continuous gripping for positioning and setting. Stainless steel.

CODE: HT-42

RIVET TOOLS

Three unique tools for quickly and easily indenting rivet heads on thin plastic. Pin point rollers create rivet heads on the back side of sheet or strip plastic using medium pressure. Simply scribe a guide line on the back side of your plastic and roll the Rivet Tool along the line for instant rivets.



CODE	PATTERN		RECOMMENDED	
	SPACING		SCALE	
HT-90	.075	1.9mm	O	1:48
HT-92	.065	1.7mm	HO	1:100
HT-94	.055	1.4mm	N	1:200



MACHINISTS SQUARES

Three all-steel, precision tools indispensable for accurate assembly of structures and other model work.

CODE	BLADE	
	LENGTH	
HT-503	3"	75mm
HT-504	4"	100mm
HT-506	6"	150mm

CRAFT HOT-WIRE FOAM CUTTER

Battery operated, hand held hot wire cutter for cutting small pieces of Expanded Polystyrene Foam. Ideal for small hobby and craft projects as well as floral design.

The tension arm height allows cutting pieces up to 1-1/2" (38mm) thick. Operates on 2 D-Cell batteries (not included) that fit into the handle.

WARNING: NOT DESIGNED FOR CUTTING URETHANE FOAMS

CODE: PT-710



Replacement Wire

3 piece pack

CODE: PT-712

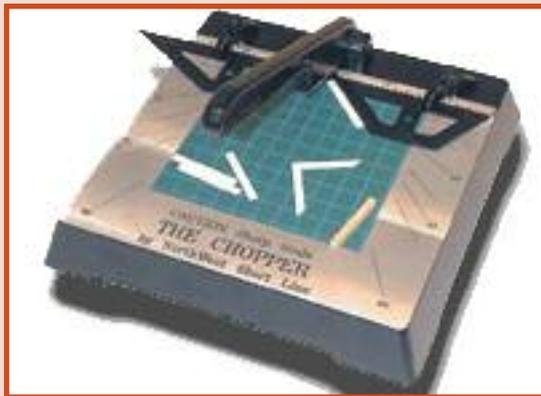
THE CHOPPER

The Chopper from Northwest Shortline, one of the most useful tools ever for rapid and accurate cutting of wood or Styrene strip & rod and small profiles. Provides clean, neat, feather-free, accurate cuts with a single edge razor blade. Included mitre allows accurate 30°, 45° and 60° cuts. An adjustable stop permits exact duplication of pieces up to 3-1/4" (82.6mm) long. Three extra cutting blades included. Base size 7-1/2" (190mm) x 7-1/2" (190mm).

CODE: HT-700

Replacement Blades.

Pack of 8. **CODE:** HT-702



THE CHOPPER II

The Chopper II from Northwest Shortline, who took one of the most useful tools (The Original Chopper) and made it even better. A great tool for rapid and accurate cutting of wood, Styrene strip & rod and small profiles. Provides clean, neat, feather-free, accurate cuts, of any angle, with a single edge razor blade. Included precision guides allow accurate 30°, 45° and 60° cuts. Premium all metal base and handle. Base size 7-1/2" (190mm) x 7-1/2" (190mm).

CODE: HT-703

Replacement Blades.

Pack of 8. **CODE:** HT-702

THE CHOPPER III

The Chopper III from Northwest Shortline is another great tool for rapid and accurate cutting of wood, Styrene strip & rod and small profiles. Provides clean, neat, feather-free, accurate cuts, of any angle, with a single edge razor blade. Included precision guides allow accurate 30°, 45° and 60° cuts. Designed after "The Chopper" (HT-700) except this one has a base size of 7-1/2" (190mm) x 18" (457mm) wide providing space for more easily working with longer materials. Has room for two additional handles (not included) for modelers and professionals who wish to keep 1, 2 or 3 work station set-ups intact at one time.

CODE: HT-710

Replacement Blades.

Pack of 8. **CODE:** HT-702



IN A HURRY?

Call our Toll Free 800 Order Line and pay by VISA/MasterCard. (800) 666-7015 8:00 am-2:00 pm Pacific Time.



THE TRUE SANDER

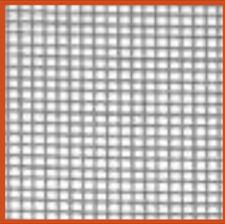
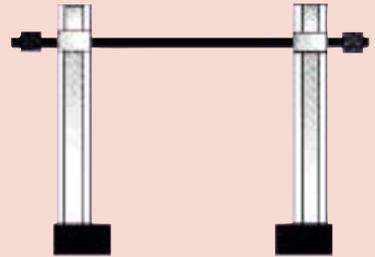
The New, True Sander from Northwest Shortline, is a great companion to The Chopper as a useful tool for rapid and accurate finishing of wood or Styrene strip & rod and small profiles. Provides a perfect, square-fit end to most model parts. Aluminum sanding block will accept any commercially available sand paper. Included mitre allows accurate 30°, 45° and 60° angles. Base size 7-1/2" (190mm) x 7-1/2" (190mm).

CODE: HT-705

BERNA ASSEMBLERS

A versatile, lightweight, clamping system, more convenient and easier to use than the conventional metal or plastic clamps. Each assembler allows complete control of force applied with flexible rubber buffers that adjust to contours in the model part. Package contains two large and one small assembler, connectors and complete instructions.

CODE: HT-725



WINDOW SCREEN/FENCE MESH

7" (175mm) x 10" (250mm) flexible mesh ideal for doll house or large scale model railroad buildings window screen material. Manufactured from a poly vascus material, it can easily be cut with scissors or a hobby knife. Sold in packages of 2 pieces.

CODE: SWM-12



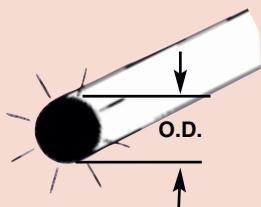
Photo courtesy of Kalmbach Publishing Co. © 2004. Used with permission of Model Railroader Magazine.

FIBER OPTICS LIGHTING

Use the lighting technique of tomorrow, today. Light an entire city with one light bulb. Versatile and easy to use; instructions come with each purchase. The only thing not included is the light source. Available in loose strands or on bulk spools. FOP-4000 is a jacketed multi-strand bundle.



CODE	PKG. QTY.	ACTUAL SIZE			
		O.D.		LENGTH	
FOP-10	10	.010	0.3mm	12'	3.7m
FOP-20	5	.020	0.5mm	12'	3.7m
FOP-30	4	.030	0.8mm	12'	3.7m
FOP-40	2	.040	1.0mm	12'	3.7m
FOP-60	1	.060	1.5mm	12'	3.7m
FOP-1010	1	.010	0.3mm	300'	91m
FOP-1020	1	.020	0.5mm	200'	61m
FOP-1030	1	.030	0.8mm	150'	45m
FOP-1040	1	.040	1.0mm	100'	30m



FLUORESCENT FIBER OPTICS

A unique additive gathers light from the sides of the strand and emits it from the ends. Add colorful lighting to models without a lightbulb. Versatile and easy to use; instructions come with each purchase.

Use for tail lights in car modeling, signal lights in model railroading, or even target sights. Great for artistic craft projects too.

CODE	ACTUAL		COLOR
	O.D.		
FFOB-20	.020	0.5mm	BLUE
FFOB-30	.030	0.8mm	BLUE
FFOB-40	.040	1.0mm	BLUE
FFOB-60	.060	1.5mm	BLUE
FFOG-20	.020	0.5mm	GREEN
FFOG-30	.030	0.8mm	GREEN
FFOG-40	.040	1.0mm	GREEN
FFOG-60	.060	1.5mm	GREEN
FFOR-20	.020	0.5mm	RED
FFOR-30	.030	0.8mm	RED
FFOR-40	.040	1.0mm	RED
FFOR-60	.060	1.5mm	RED
FFOY-20	.020	0.5mm	YELLOW
FFOY-30	.030	0.8mm	YELLOW
FFOY-40	.040	1.0mm	YELLOW
FFOY-60	.060	1.5mm	YELLOW

NOTE: 20" (500mm) Length.

Also available in 10" (250mm) lengths for half the listed price and 40" (1m) lengths for twice the listed price. To order the 10" length, add "H" to the end of the Product Code; for 40" lengths, add an "L".

Examples: FFOY-20H for 10"
FFOY-20L for 40"



PLASTABETS PLASTIC LETTERS

Plastic letters and numbers for lettering model store fronts and other buildings, name plates, displays as well as real-life floor directories. The uses are limitless. Approximately 160 characters per set. For blemish-free application, soak a sponge with one of our solvent cements and, using tweezers, touch the underside of the letters to the sponge before placing in position. Precision Injection Molded in White Styrene Plastic.

CODE	ACTUAL HEIGHT	
PABT-2	5/64"	2.0mm
PABT-4	5/32"	4.0mm
PABT-6	15/64"	6.0mm
PABT-10	25/64"	10.0mm



VINYL LETTERS & NUMBERS

Plastic Vinyl letters and numbers for lettering model store fronts and other buildings, name plates, displays, signs as well as school presentations. The uses are limitless. Available in either white or black color, these self-adhesive characters make lettering and numbering easy. May be applied to most all surfaces. Durable adhesive and weather resistant material make these great for outdoor applications too.

CODE	ACTUAL HEIGHT		COLOR	PKG. QTY. & DESCRIPTION
LETR-20	25/32"	20.0mm	Black	61 Letters
LETR-120	25/32"	20.0mm	White	61 Letters
NUMR-15	19/32"	15.0mm	Black	95 Numbers
NUMR-115	19/32"	15.0mm	White	95 Numbers
NUMR-20	25/32"	20.0mm	Black	61 Numbers
NUMR-120	25/32"	20.0mm	White	61 Numbers

OIL COMPANY DECALS

Water sensitive, **COLOR** Oil Company logo Decals and hazardous signs to dress-up your related industries. Nine decals per sheet. Available in three popular scales.



CODE	SCALE	
DECAL-1	HO	1:87
DECAL-2	N	1:160
DECAL-3	O	1:48

TRACKSIDE SERIES KITS

TRACKSIDE SERIES KITS

All "TRACKSIDE SERIES" Kits are "scratch model" Kits and contain detailed plans/instructions and the necessary plastic parts to complete the pictured model. The step-by-step instructions include information about the model proto-type, bills of material, detailed drawings and helpful construction tips. Colorful oil company decals are provided when appropriate.

THESE KITS ARE NOT INTENDED FOR NOVICE MODELERS.

PLEASE SEE THE FOLLOWING PAGES FOR FURTHER KIT DESCRIPTION

KIT TYPE	DESCRIPTION	SCALE	CODE	GENERAL
				DIMENSIONS
KIT-1	Simple Span Bridges	HO	KIT-1001	5" W x 11" D x 5" H
KIT-2	Truss Bridge	HO	KIT-1002	2-3/4" W x 15" D x 5" H
	Truss Bridge	N	KIT-2002	1-5/8" W x 9" D x 2-3/4" H
	Truss Bridge	O	KIT-3002	5" W x 30" D x 8-1/2" H
	Truss Bridge	G	KIT-4002	9-3/4" W x 60" D x 17-1/2" H
	Electrical Towers & Oil Well	HO	KIT-1005	Varies
KIT-5	Old Time Moving Bridge	HO	KIT-1007	13-1/2" W x 24" D x 7-3/4" H
		N	KIT-2007	7" W x 12" D x 4" H
		O	KIT-3007	22" W x 42" D x 12" H
KIT-7	Petro/Chemical Refinery	HO	KIT-1008	16-1/2" W x 23-1/2" D x 7-1/2" H
	Petro/Chemical Refinery	N	KIT-2008	9" W x 14" D x 4" H
	Petro/Chemical Refinery	O	KIT-3008	27" W x 38" D x 12" H
	Petro/Chemical Refinery	S	KIT-8008	22" W x 28" D x 10" H
KIT-9	Hemispherical Bottom Water Tank	HO	KIT-1009	4" W x 4" D x 7" H
	Hemispherical Bottom Water Tank	N	KIT-2009	5" W x 3" D x 5" H
KIT-10	Service Platforms	HO	KIT-1010	2-1/2" W x 5-1/2" D x 1-1/4" H
KIT-11	Sand Tower	HO	KIT-1011	7" W x 2" D x 7" H
KIT-12	Twin Lamp Posts	HO	KIT-1012	1-1/2" W x 5/16" D x 7-1/4" H
KIT-13	Billboards	HO	KIT-1013	3-3/4" W x 3/4" D x 5-1/8" H
KIT-14	Twin Horizontal Storage Tanks	HO	KIT-1014	5-1/2" W x 6" D x 4" H
	Twin Horizontal Storage Tanks	N	KIT-2014	2-1/2" W x 3-1/2" D x 1-1/2" H
	Twin Horizontal Storage Tanks	O	KIT-3014	7" W x 9" D x 5-3/4" H
KIT-15	Bulk Oil Storage Tank	HO	KIT-1015	2-1/2" W x 2-1/2" D x 3-1/2" H
	Bulk Oil Storage Tank	N	KIT-2015	2" W x 2" D x 3" H
	Bulk Oil Storage Tank	O	KIT-3015	4-1/2" W x 4-1/2" D x 6" H
KIT-16	Utility Water Tower	HO	KIT-1016	3" W x 3" D x 12" H
	Utility Water Tower	O	KIT-3016	5" W x 5" D x 14" H
KIT-17	Liquid Oxygen Storage Tank	HO	KIT-1017	2" W x 2" D x 4" H
	Liquid Oxygen Storage Tank	O	KIT-3017	4" W x 3-1/2" D x 8" H
KIT-18	Side By Side Vertical Tanks	HO	KIT-1018	3-1/2" W x 1-3/4" D x 3-1/4" H
	Side By Side Vertical Tanks	O	KIT-3018	7" W x 3-1/2" D x 6" H
KIT-19	Twin LP Gas Storage Tanks	HO	KIT-1019	4-1/2" W x 10" D x 3" H
	Twin LP Gas Storage Tanks	N	KIT-2019	2-1/2" W x 5" D x 1-1/2" H
	Twin LP Gas Storage Tanks	O	KIT-3019	5-3/4" W x 19-1/2" D x 5-1/4" H
KIT-25	Silos & Grain Elevator	HO	KIT-1025	12" W x 4" D x 9-1/2" H
	Silos & Grain Elevator	O	KIT-3025	18" W x 7" D x 16" H
KIT-26	Spherical Storage Tank	HO	KIT-1026	5" W x 5" D x 6" H
	Spherical Storage Tank	O	KIT-3026	7" W x 11" D x 8-1/2" H
KIT-27	Floating Roof Storage Tank	HO	KIT-1027	10" W x 5-1/2" D x 4" H
	Floating Roof Storage Tank	O	KIT-3027	11" W x 7" D x 7" H
KIT-28	Cone Roof Water Tower	HO	KIT-1028	4" W x 4" D x 13" H
	Cone Roof Water Tower	N	KIT-2028	2-1/2" W x 2-1/2" D x 9" H
	Cone Roof Water Tower	O	KIT-3028	7" W x 7" D x 21" H
KIT-30	Steel Mill FakeFront	HO	KIT-1030	22" W x 3-1/2" D x 13-1/2" H
KIT-31	Sintering Plant FakeFront	HO	KIT-1031	22" W x 4" D x 13" H
KIT-32	Lime Building FakeFront	HO	KIT-1032	16" W x 4" D x 11" H
KIT-40	Steel Mill Bottle Car	HO	KIT-1040	6-1/4" W x 1-3/4" D x 1-3/4" H



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KIT-1

SIMPLE SPAN BRIDGES

Two authentically engineered Simple Span Bridges to add interesting detail to any layout. May be used to fit many applications, including highway, railway or terrain crossing. Kit contains enough parts to construct one of each bridge. Landscaping not included. See page 121 for complete Kit listing.

TRUSS BRIDGE

The grandfather of bridges, authentically duplicated in plastic. This Truss Bridge is the most common steel bridge found in North America, if not the world, and fits both steam and diesel eras. Can be easily modified in length or width to fit all your needs. The importance of this bridge design was that greater distances could be spanned, resulting in less supports. A river or gorge can be crossed with fewer piers while still supporting sizeable loads. This Kit reflects a 120'-0" (36.5m) long, 17'-0" (5m) wide (single track) steel truss bridge. Realistic detailing tips allow unequalled realism and make this structure a definite foreground focal point. For a real attention getter, put two or three in-line over one span. A must for every layout. See page 121 for complete Kit listing.



KIT-2



KIT-7

OLD-TIME MOVING BRIDGE

Here is a replica of one of the first draw bridges that actually opens horizontally, not vertically, by means of a central pivot system. The real bridge, now abandoned, may be found crossing the Christina River in Delaware as part of the Pennsylvania Railroad, Delmarva division. It's a scratch builder's dream having character and charm, and a challenge to your detailing expertise.

See page 121 for complete Kit listing.

ELECTRICAL TOWERS & OIL WELL

Your modern day countryside layout won't be complete without Electrical Towers. Add life-like realism to your layout with this two-part Kit. Construct these towers in the same manner as your local power company and place them throughout the countryside. Or build yourself an oil drilling rig to supply your refinery. In either case, these graceful structures will add beauty and character to your layout. Kit contains enough parts to build both Electrical Towers OR one Oil Well. See page 121 for complete Kit listing.



KIT-5



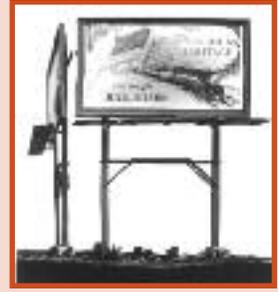
KIT-12

TWIN LAMP POSTS

Simple to build 45' Twin Lamp Post with numerous uses including railroad service, terminal and yard lighting, or city street, industrial and security lighting. These lamp posts look best when used in multiples, and can help to visually group or integrate various viewing areas on your layout. This Kit consists of four lamp posts and is typical of those found in industrialized nations. They fit any time period between 1950's and today. See page 121 for complete Kit listing.

BILLBOARDS

No contemporary layout is complete without the great American Billboard. From rural countryside to major metropolis, you can't escape these colorful structures. This Kit depicts the modern day steel type and contains enough material to build four independent billboards, including posters. See page 121 for complete Kit listing.



KIT-13



KIT-10

SERVICE PLATFORM

Service Platforms are an integral and common part of a locomotive maintenance and repair yard. These all-welded steel structures can be easily modified to meet most needs including loading docks or ramps. Place these platforms throughout your layout wherever maintenance or loading is performed. Kit contains enough material for two "standard" platforms. See page 121 for complete Kit listing.

SILOS & GRAIN ELEVATOR

Grain Elevators and Silos are found scattered throughout agricultural America. The generic design of this kit allows total flexibility in construction. Silos are more commonly used by individual farmers and are usually smaller in size, fabricated in steel and used for storing winter feed such as corn silage. Grain elevators, frequently part of a co-op, are typically quite tall, made of concrete and used to accumulate or store harvest crops awaiting sale. This Kit will produce three tanks. Dimensions and capacities vary dependent on scale. See page 121 for complete Kit listing.



KIT-25



KIT-11

SAND TOWER

This all-welded steel Sand Tower is used in engine facilities throughout the country. Sand towers are usually located near the roundhouse or light service repair facility. The design of this sand tower permits installation between in and outbound tracks to service four lines. It's primary function is to supply clean, dry sand for gaining traction on slippery rails. See page 121 for complete Kit listing.

HEMI BOTTOM WATER TANK

This realistic modern Hemispherical Bottom Water Tank holds approximately 100,000 gallons and was used by many railroads during the busy steam era. Complete with a separate water spout and drain, this tank was commonly found in servicing facilities as well as along trackside. All-welded towers were constructed from the mid-1930's to present day. Adding rivets along the weld seams can date the tank back to the 1900's. Landscaping not included. See page 121 for complete Kit listing.



KIT-9



KIT-15

BULK OIL STORAGE TANK

This cone roof Bulk Oil Storage Tank is commonly found at petroleum refineries, bulk fuel terminals or chemical plants. Other applications can include water storage or liquids used in food processing. Tanks featuring all-welded construction became popular in the mid-1930's and are still being used today. Dimensions and capacities vary dependent on scale.

See page 121 for complete Kit listing.

LIQUID OXYGEN STORAGE TANK

This Liquid Oxygen Storage Tank is usually found where oxygen is used or produced in bulk quantities. Other products may also be stored in this vertical pressure vessel. This tank of all-welded construction is typical of those built from the mid-1930's to present day. Dimensions and capacities vary dependent on scale.

See page 121 for complete Kit listing.



KIT-17



KIT-18

SIDE BY SIDE VERTICAL TANKS

These Side By Side Vertical bulk liquid storage Tanks are commonly found at petroleum refineries, bulk fuel terminals or chemical plants. Other applications include industrial fire water storage, municipal water storage or liquids used in food processing. Any product stored at atmospheric pressure is suitable for these tanks. Tanks featuring this design were commonly used beginning in the mid-1930's, and are still used today. The majority were built in the 1950's for the growing petroleum industry. Tank dimensions and capacities vary dependent on scale.

See page 121 for complete Kit listing.

SPHERICAL STORAGE TANK

Spherical Storage Tanks are primarily used to store petroleum and chemical products stored under pressure such as Benzene, Amonia, Liquid Propane and Butane. Cryogenic products such as Liquid Oxygen and Nitrogen are also stored in this type of tank. All-welded spherical tanks were constructed in the mid-1940's to present.

Dimensions and capacities vary dependent on scale. See page 121 for complete Kit listing.



KIT-26



KIT-27

FLOATING ROOF STORAGE TANK

External Floating Roof Storage Tanks primarily store oil or chemicals whose vapor pressure causes evaporation at atmospheric pressure such as Crude Oil, Gasoline, Jet Fuel and Naptha. Dangerous H₂S (Hydrogen Sulfide) gases are present in all crude oils, necessitating the use of this tank. Floating roof tanks operate by the roof floating on top of the product being pumped into the tank, thus eliminating any vapor space and therefore vapor discharge. All-welded floating roof tanks were employed in the late 1940's, and are still being used today. Dimensions and capacities vary dependent on scale.

See page 121 for complete Kit listing.

UTILITY WATER TOWER

This flat bottom, dome roof Utility Water Tower is typically found at factories for fire water. Municipalities also employ these towers for potable water and as a means of maintaining water pressure. Legs may be shortened or even eliminated completely so that the tank can be installed on a building roof. All-welded water towers became popular in the mid-1930's and are still being constructed today. Adding rivets along the weld lines can date this tower back to the early 1900's. Tank dimensions and capacities vary dependent on scale. See page 121 for complete Kit listing.



KIT-16



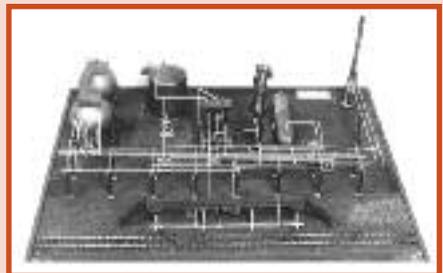
KIT-28

CONE ROOF WATER TOWER

The popular Cone Roof elevated Water Tank is typically found in industrial settings being used for fire water at factories, or potable water in communities and industry. The angled legs may be shortened for roof installations. This style of tank is often found in multiples in larger communities or facilities. All-welded elevated water tanks were constructed in the early 1940's, and are still quite popular today. Adding rivets along the weld lines dates the tank back to the early 1900's. Tank dimensions and capacities vary dependent on scale. See page 121 for complete Kit listing.

PETRO/CHEMICAL REFINERY

An authentic miniature Petro/Chemical Refinery developed by a professional design engineer with one of the country's leading consulting engineer and construction firms. This realistic Kit contains all the necessary parts to construct the model as pictured along with detailed blue prints and an instruction booklet. Engineered with flexibility, you can easily change equipment locations to fit your layout. Perfect for any 1950's to present day model railroad layout. Prior scratch building experience recommended. NOTE: Several of the other industrial Kits make excellent additions to this Refinery. See page 121 for complete Kit listing.



KIT-8



KIT-14

TWIN HORIZ. STORAGE TANKS

These Twin Horizontal Storage Tanks are commonly found at petroleum refineries, bulk fuel terminals or chemical plants. Other applications can include water storage or liquids used in food processing and manufacturing. Tanks featuring all-welded construction became popular in the mid-1930's and are still being used today. Dimensions and capacities vary dependent on scale. See page 121 for complete Kit listing.

TWIN LP GAS STORAGE TANKS

These Twin horizontal LP Gas Storage Tanks are typically found throughout rural northern and central America in bulk fuel distributor and LP Gas retail outlets. LP Gas is commonly used for agricultural, industrial and residential heating as well as an up-and-coming vehicle fuel. Dimensions and capacities vary dependent on scale. See page 121 for complete Kit listing.



KIT-19



KIT-40

STEEL MILL BOTTLE CAR

Bottle Cars are an integral and unique piece of rolling stock for the steel industry. This Kit, originally created in cooperation with Dean Freytag and Railroad Model Craftsman (RMC), allows custom construction of 2 1/2 wheel Pollock Bottle Cars. Kit instructions are actually the RMC article originally published in November, 1994. A must for every layout incorporating a steel mill.

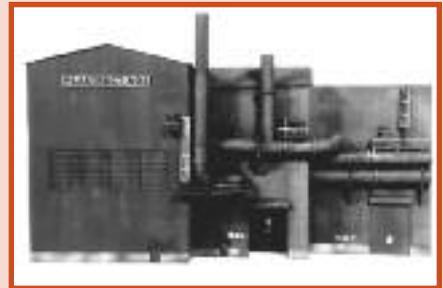
TRUCKS, COUPLERS AND HARDWARE NOT INCLUDED.

See page 121 for complete Kit listing.

STEEL MILL FAKEFRONT

This Kit, developed by Dean Freytag to fill a void between two areas of the Fellows Steel Mill, is an impressive, yet simple, structure. The left building, originally intended as a hot metal car / ladle additive facility, is 12" (300mm) high x 9" (225mm) wide and only 3-1/2" (88mm) deep. The center and right buildings, intended as part of the supporting buildings for the basic oxygen furnace, are approximately 10" (250mm) high x 13" (325mm) wide, and 2" (50mm) deep (center building) and flush (right building). However, don't be limited by these intended uses. This Kit has the versatility to switch building positions and can easily be adapted as part of many industrial by-product facilities. It can also be used in multiple scales! A must for all layouts incorporating a steel mill or other industrial facilities.

See page 121 for complete Kit listing.



KIT-30



KIT-31

SINTERING PLANT FAKEFRONT

This Sintering Plant is actually three kits in one; the Sintering Processing Building, Materials Bunker and the Blower Assembly. However, it is not limited only to this function and may be modified to fit many other industrial facilities. The overall dimensions are 30" (762mm) wide by 18" (457mm) high (includes stack) by 7" (178mm) deep.

See page 121 for complete Kit listing.

LIME BUILDING FAKEFRONT

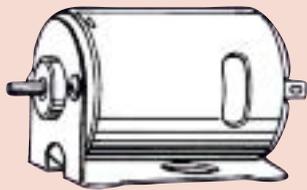
This Lime Building is a replica of a lime processing building used by Copper Smelting companies. However, it is not limited only to this function and may be modified to fit many other industrial facilities. The overall Dimensions are 18" (457mm) wide by 12-1/2" (317mm) high (includes elevator) by 5" (127mm) deep.

See page 121 for complete Kit listing.



KIT-32

MINIATURE ELECTRIC MOTORS



HEAVY DUTY MOTOR

Heavy Duty Motor for larger projects and when higher torque is required. 2-1/2" (63mm) Length, 1-1/2" (38mm) O.D. with a shaft diameter of 1/8" (3.2mm). 6 to 12 Volts, 7 to 14,000 RPM.

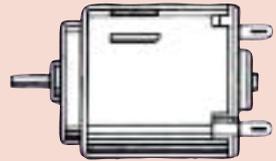
CODE: MOT-10



MOTOR MOUNT

Motor Mount for small motors from 3/4" (19mm) O.D. to 1" (25mm) O.D. Plastic, expandable bracket with self-adhesive pad 1" (25mm) x 1" (25mm) provides fast and easy mounting.

CODE: MNT-1



MINI MOTOR 1

A low cost miniature Motor offering a high stall torque. 1-1/2" (38mm) length, 7/8" (22mm) O.D. with a shaft diameter of 5/64" (2.0mm). 1.5 to 6 Volts, 2 to 5,000 RPM.

CODE: MOT-1

MINI MOTOR 2

A slightly larger Motor offering a high stall torque. 1-3/4" (44mm) length, 1" (25mm) O.D. with a shaft diameter of 5/64" (2.0mm). 1.5 to 6 Volts, 2 to 7,000 RPM.

CODE: MOT-2



OUTBOARD MOTOR

Safe water operation using two AA batteries (not included). High speed propulsion with bolt-on convenience. 5" (125mm) high, 2-1/2" (63mm) long.

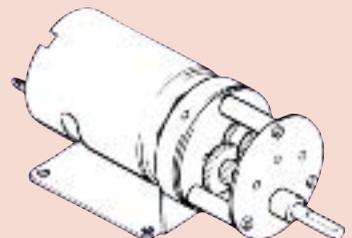
CODE: MOT-45



MOTOR REDUCTION UNIT

Motor Reduction Unit includes a small, powerful 1.5-6V motor, worm gear assembly with shaft bracket and screws. Power available at both ends of a 4mm shaft. Provides a 50:1 reduction. Minor assembly required.

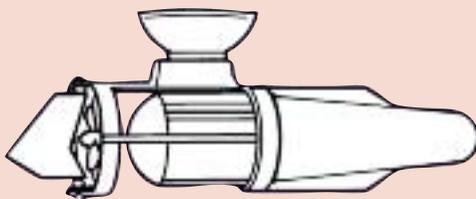
CODE: MOTRED-1



MOTOR REDUCTION UNIT

Heavy Duty Motor Reduction Unit includes a more powerful 1-15V motor with a single ratio metal gearbox. Metal gears with bronze bearings ensure very high torque and quiet operation. 4-1/2" (113mm) length with 15/64" (6.0mm) shaft. Provides a 150:1 reduction. Minor assembly required.

CODE: MOTRED-2



SUBMARINE MOTOR

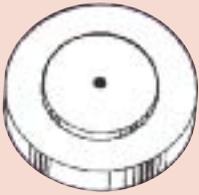
Safe underwater operation with one AA battery (not included). Suction cup allows easy installation to any water vessel. 4-3/4" (120mm) long, 1" (25mm) O.D.

CODE: MOT-40



NEED IT FAST?

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WHEELS & TIRES

VARIABLE AXLE WHEEL SETS

Five sets of four 1-3/16" (30.2mm) O.D. wheels with axle Reducers. Injection molded in High Impact Polyethylene for long life and quiet operation. 1/4" (6.4mm) thickness allows easy handling for students of all ages.

All Wheels have a .156 (4.0mm) shaft hole to fit our 5/32" (4.0mm) O.D. axles. Axle reducers allow simple conversion to .110 (2.8mm) shaft hole for our 1/8" (3.2mm) axles. Design allows multiples to be snapped together as rollers. Sold In bags of 5 sets only.

CODE: WHLS-40

HEAVY DUTY WHEELS WITH TIRES

Heavy duty plastic wheels with black PVC tires provide the strength to support carts, dollies and other heavy weight items. Designed for use with 1/4" (6.4mm) axles.



CODE	STYLE	DESCRIPTION	ACTUAL SIZE			
			O.D.		THICKNESS	
WHL-75	A	Standard Wheel	3"	75mm	5/8"	15.9mm
WHL-100	A	Standard Wheel	4"	100mm	5/8"	15.9mm
WHL-101	B	Spoke Wheel	4"	100mm	5/8"	15.9mm
WHL-102	C	Tractor Wheel	4"	100mm	1-1/8"	28.6mm



WOODEN WHEELS

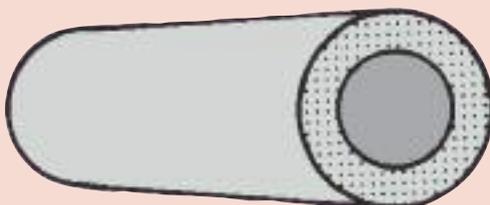
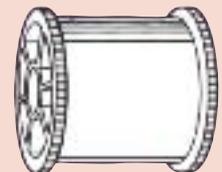
Heavy duty wooden wheels provide the strength to support medium weight items. Designed for use with 1/8" (3.2mm) axles. Made from Birch wood.

CODE	ACTUAL SIZE			
	O.D.		THICKNESS	
WHL-125	1"	25mm	11/32"	8.7mm
WHL-138	1-1/2"	38mm	7/16"	11.1mm
WHL-150	2"	50mm	1/2"	12.7mm
WHL-162	2-1/2"	62mm	11/16"	17.5mm

PLASTIC SPOOL WHEELS

Plastic thread spools, a unique and economical method for wheels. Use our TBL-10 Colored Tubing for axles. When used with Tire-48 (below), they make perfect wheels and tires for cars and other motorized vehicles. Sold in bags of 10 pieces only.

CODE: REEL-40



RUBBER TIRE MATERIAL

Black rubber pipe insulation ideal for making tires when used with our REEL-40 Plastic Wheels (above). 1-1/2" (38mm) O.D., 7/8" (22mm) I.D., and 24" (600mm) long.

CODE: TIRE-48

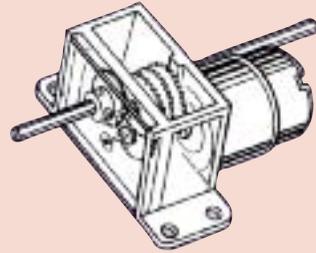
MINIATURE GEAR BOX

CLEARBOX GEAR BOX

Multi-ratio gearing system in a clear Polycarbonate frame provides adjustable power for unlimited uses. Simple press-fit motor allows motor exchange without fuss. The gear box is a multi-stage spur gear type. Changing gears is almost as simple as changing the motor.

Gear Box consists of:

- 1 1.5 -6 Volt, 6000 RPM Motor with pinion gear
- 1 ClearBox gear box
- 3 Nylon spacers/position rings
- 6 30/10 Tooth gears with pinions
- 1 32 Tooth gear
- 1 5/32" (4.0mm) O.D. x 4-1/8" (105mm) axle
- 2 3/32" (2.4mm) O.D. x 3/4" (19mm) axles



CODE: GEARBX-2

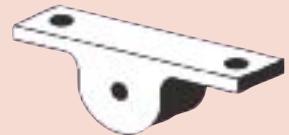


AXLES & AXLE BRACKETS

A selection of Axles/Shfts in steel, brass and Polyester reinforced with fibreglass. While all materials should be cut with a hacksaw or equivalent, the Poly/fibreglass material is easiest. The Poly/fibreglass material may be glued with epoxy cement and is quite strong, lightweight and ideal for young students.

CODE	ACTUAL SIZE				MATERIAL
	O.D.		LENGTH		
AXLE-275	5/64"	2.0mm	3"	75mm	Steel
AXLE-2910	5/64"	2.0mm	18"	450mm	Poly/Fibreglass
AXLE-3150	1/8"	3.2mm	6"	150mm	Steel
AXLE-3910	1/8"	3.2mm	18"	450mm	Poly/Fibreglass
AXLE-4910	5/32"	4.0mm	18"	450mm	Poly/Fibreglass
AXLE-6910	1/4"	6.4mm	18"	450mm	Poly/Fibreglass
AXLE-24300	3/32"	2.4mm	12"	300mm	Steel
AXLE-24301	3/32"	2.4mm	12"	300mm	Brass
AXLE-64450	1/4"	6.4mm	18"	450mm	Steel

An easy method for mounting axles to almost anything. May be screwed or glued. Strong plastic may also be drilled to accept other diameter Axles. Sold in bags of 10 pieces only.

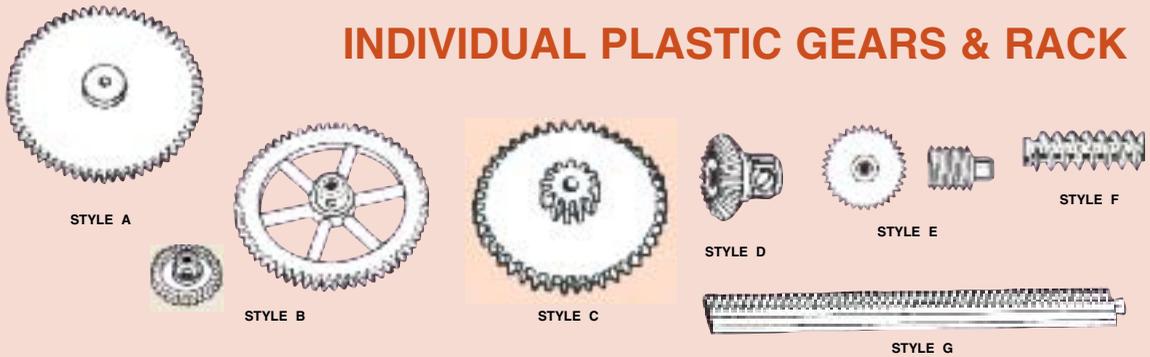


CODE	TO FIT	
	AXLE O.D.	
AXBKT-2	5/64"	2.0mm
AXBKT-4	5/32"	4.0mm



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INDIVIDUAL PLASTIC GEARS & RACK



A selection of Plastic Gears, available individually, for designing any number of working mechanisms, from vehicles to power generators to conveyor systems. These gears are all high quality, Precision Injection Molded in the listed Plastic. Style B Gears have Brass hubs, with set screws, to ensure a positive fit. All others are designed for a tight press fit.

CODE	STYLE	DESCRIPTION	TEETH	ACTUAL SIZE				FITS		MAT'L
				O.D.		'T'		SHAFT		
GEAR-90	F	Worm Gear	-	3/8"	9.5mm	1"	25.4mm	.070	1.8mm	1
GEAR-116	A	Single Gear	16	11/32"	8.7mm	3/16"	4.8mm	.070	1.8mm	2
GEAR-130	A	Single Gear	30	5/8"	15.9mm	3/16"	4.8mm	.070	1.8mm	2
GEAR-142	A	Single Gear	42	7/8"	22.2mm	3/16"	4.8mm	.070	1.8mm	2
GEAR-160	A	Single Gear	60	1-1/4"	31.8mm	3/16"	4.8mm	.070	1.8mm	2
GEAR-190	F	Worm Gear	-	1/4"	6.4mm	3/8"	9.5mm	.070	1.8mm	2
GEAR-210	B	Hub With Set Screw	10	3/8"	9.5mm	3/8"	9.5mm	.100	2.5mm	3
GEAR-220	B	Hub With Set Screw	20	9/16"	14.3mm	3/8"	9.5mm	.100	2.5mm	3
GEAR-230	B	Hub With Set Screw	30	13/16"	20.6mm	3/8"	9.5mm	.100	2.5mm	3
GEAR-240	B	Hub With Set Screw	40	1"	25.4mm	3/8"	9.5mm	.100	2.5mm	3
GEAR-245	D	45° Bevel Gear	22	1/2"	12.7mm	3/8"	9.5mm	.100	2.5mm	3
GEAR-250	B	Hub With Set Screw	50	1-1/4"	31.8mm	3/8"	9.5mm	.100	2.5mm	3
GEAR-260	B	Hub With Set Screw	60	1-1/2"	38.1mm	3/8"	9.5mm	.100	2.5mm	3
GEAR-280	E	34:1 Worm Set	34	3/4"	19.1mm	3/8"	9.5mm	.100	2.5mm	3
GEAR-315	B	Hub With Set Screw	15	45/64"	18.0mm	3/16"	4.8mm	.156	4.0mm	3
GEAR-325	D	45° Bevel Gear	25	1"	25.4mm	3/16"	4.8mm	.156	4.0mm	3
GEAR-330	B	Hub With Set Screw	30	1-11/64"	30.0mm	3/16"	4.8mm	.156	4.0mm	3
GEAR-345	B	Hub With Set Screw	45	1-3/4"	45.0mm	3/16"	4.8mm	.156	4.0mm	3
GEAR-390	F	Worm Gear	-	15/32"	12.0mm	1"	25.4mm	.156	4.0mm	1
GEAR-1301	C	Double Gear	30/10	5/8"	15.9mm	1/4"	6.4mm	.070	1.8mm	2
GEAR-1421	C	Double Gear	42/10	7/8"	22.2mm	1/4"	6.4mm	.070	1.8mm	2
GRACK-200	G	200 Series Gear Rack	-	N/A	N/A	N/A	N/A	N/A	N/A	2
GRACK-300	G	300 Series Gear Rack	-	N/A	N/A	N/A	N/A	N/A	N/A	2

MATERIAL GUIDE: Material 1 = Hi-Impact Polyethylene; Material 2 = Nylon; Material 3 = Nylon With Brass Hub



Photo courtesy of John Wilkes, Winterhaven, FL

PLASTIC GEAR SETS

DELUXE GEAR SET

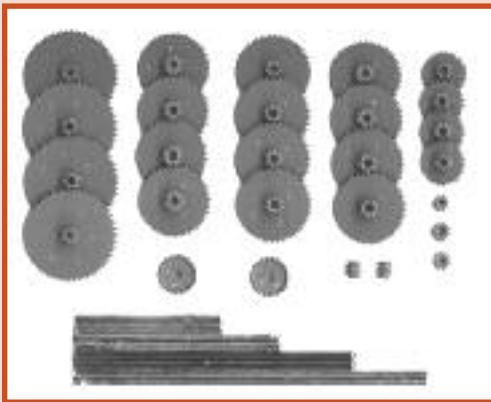
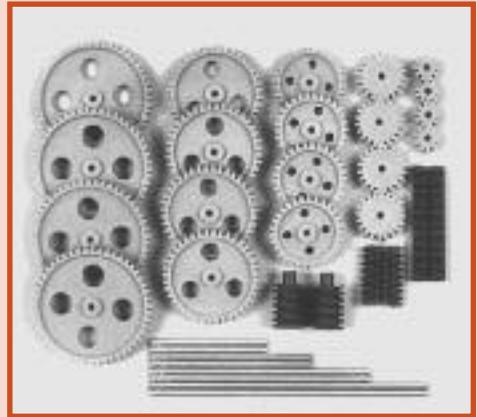
A complete package of gears and accessories Precision Injection Molded in Nylon plastic. This hard plastic provides excellent power transmission.

Gear Set consists of:

- | | |
|--|-------------------------------------|
| 4 10 Tooth gears, 1/2" (12.7mm) O.D. | 2 each of the following: |
| 4 20 Tooth gears, 7/8" (22.2mm) O.D. | 1/8" (3.2mm) x 2" (50mm) axles |
| 4 30 Tooth gears, 1-1/4" (31.8mm) O.D. | 1/8" (3.2mm) x 2-3/4" (70mm) axles |
| 4 40 Tooth gears, 1-5/8" (41.3mm) O.D. | 1/8" (3.2mm) x 3-3/4" (95mm) axles |
| 4 50 Tooth gears, 2" (50.8mm) O.D. | 1/8" (3.2mm) x 4-3/4" (120mm) axles |
| 2 Worm gears, 11/32" (8.7mm) O.D. | 7/32" (5.6mm)W x 2" (50mm)L racks |
| 2 Worm gears, 9/16" (14.3mm) O.D. | |

Gears are 1/4" (6.4mm) wide, allowing for easy alignment, with a .110 (2.8mm) shaft hole to fit our 1/8" (3.2mm) O.D. axles. Worm gears have a .070 (1.8mm) shaft hole to snugly fit our MOT-1 and MOT-2 Motors.

CODE: GEARS-34



DOUBLE GEAR SET

A complete package of gears and accessories Precision Injection Molded in Nylon Plastic for high quality at reasonable prices. This hard plastic provides excellent power transmission.

Gear Set consists of:

- 4 30/10 Tooth gears, 5/8" (15.9mm) O.D.
- 4 48/12 Tooth gears, 1" (25.4mm) O.D.
- 4 50/10 Tooth gears, 1" (25.4mm) O.D.
- 4 62/10 Tooth gears, 1-1/4" (31.8mm) O.D.
- 4 48/12 Tooth gears, 1" (25.4mm) O.D. (.120 (3.0mm) shaft hole-free spin)
- 2 Worm gears, 15/64" (6.0mm) O.D. (.070 (1.8mm) shaft hole)
- 2 Crown wheels, 17/32" (13.5mm) O.D.
- 1 10 Tooth pinion, 15/64" (6.0mm) O.D. (.070 (1.8mm) shaft hole)
- 1 12 Tooth pinion, 1/4" (6.4mm) O.D. (.070 (1.8mm) shaft hole)
- 1 12 Tooth pinion, 1/4" (6.4mm) O.D. (.110 (2.8mm) shaft hole)
- 2 1/8" (3.2mm) x 2" (50mm) axles
- 2 1/8" (3.2mm) x 2-3/4" (70mm) axles
- 2 1/8" (3.2mm) x 3-3/4" (95mm) axles
- 2 1/8" (3.2mm) x 4-3/4" (120mm) axles

Gears are .070 (1.8mm) wide. All shaft holes are .110 (2.8mm) (unless noted otherwise) to fit our 1/8" (3.2mm) O.D. axles. Those with a .070 (1.8mm) shaft hole are designed to snugly fit our MOT-1 and MOT-2 Motors.

CODE: GEARS-35

VARIABLE AXLE GEAR SET

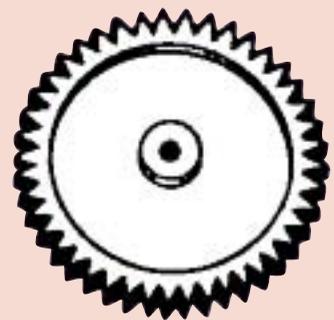
Five sets of four different Gears with Axle Reducers and Gear Rack. Injection molded in High Impact Polyethylene for long life and quiet operation. 1/4" (6.4mm) thickness allows easy handling and alignment for students of all ages.

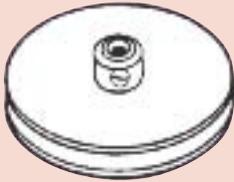
Each set consists of:

- 1 10 Tooth gear, 7/16" (11.1mm) O.D.
- 1 20 Tooth gear, 7/8" (22.2mm) O.D.
- 1 30 Tooth gear, 1-1/4" (31.8mm) O.D.
- 1 40 Tooth gear, 1-5/8" (41.3mm) O.D.
- 3 5/32" (4.0mm) to 1/8" (3.2mm) axle reducers
- 1 1/4" (6.4mm) Wide x 3" (75mm) Long gear rack

Smallest gear has a .070 (1.8mm) shaft hole to snugly fit onto our MOT-1 and MOT-2 Motors. All others have a .156 (4.0mm) shaft hole to fit our 5/32" (4.0mm) O.D. axles. Axle reducers allow simple conversion to .110 (2.8mm) shaft hole for our 1/8" (3.2mm) axles.

CODE: GEARS-40



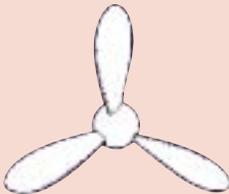


PULLEYS & PROPELLERS

PULLEYS WITH SET SCREWS

Professional quality Nylon Pulleys with Brass Set Screw Hubs for secure installations. Designed for use with 3/32" (2.4mm) axles, however, the Brass Hubs may be drilled out to fit larger axles.

CODE	ACTUAL	
	O.D.	
PULY-210	3/8"	9.5mm
PULY-213	1/2"	12.7mm
PULY-219	3/4"	19.1mm
PULY-225	1"	25.4mm
PULY-232	1-1/4"	31.8mm



3 BLADE PROPELLER

This 5" (125mm) Dia. plastic propeller can be easily adapted to fit on our MOT-1 and MOT-2 Motors for use as a fan, or can be fitted on many other driving devices for air or water projects.

CODE: PROP-3

PROPELLER WITH DRIVE SHAFT

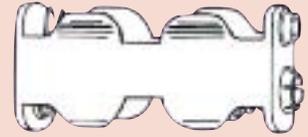
1" O.D. (25mm) Plastic propeller attached to a 5/64" (2.0mm) x 7-1/2" (190mm) long shaft inside a 6" (150mm) long Brass tube housing. Use our HOSE-1 Flex Tubing as a universal joint for coupling to a drive source.

CODE: PROP-1



Photo Courtesy of Steve Faxon, Dallas, OR

ELECTRICAL COMPONENTS



AA BATTERY HOLDERS

Simple, convenient power source for low voltage requirements. BATH-1 has its own wiring. Multiple battery holders require a BATC-1 to transfer the power from the holder to wiring.

CODE	AA BATTERY CAPACITY
BATH-1	1
BATH-2	2
BATH-4	4
BATH-6	6
BATH-8	8

9V BATTERY CLIP

Snap-on clip for 9 Volt Batteries, and to connect multiple AA battery holders, to wiring.

CODE: BATC-1



LED'S & MINI LIGHT BULBS

Quality miniature light bulbs in several colors to answer most educational needs. Use SCKT-10 Bulb socket for the Round Bulbs, and SCKT-5 for the LED Bulbs.



STYLE A



STYLE C



STYLE B

CODE	STYLE	DESCRIPTION	BULB COLOR	VOLTS
BULB-10	A	Standard Round	Clear	3.5
BULB-20	A	Flashing Round	Clear	3
BULB-30	A	Flashing Round	Clear	1.5
BULB-40	A	Flashing Round	Clear	6
BULB-115	B	Standard LED	Red	3
BULB-125	B	Standard LED	Green	3
BULB-135	B	Standard LED	Yellow	3
BULB-215	B	Flashing LED	Red	4.7 - 12
BULB-225	B	Flashing LED	Green	4.7 - 12
BULB-235	B	Flashing LED	Yellow	4.7 - 12
BULB-300	C	Grain of Wheat	Clear	12
BULB-315	C	Grain of Wheat	Red	12
BULB-325	C	Grain of Wheat	Green	12
BULB-335	C	Grain of Wheat	Amber	12

BULB SOCKET & LED HOLDER

Plastic bulb socket for use with our standard round and flashing round light bulbs. 1-3/16" (30.2mm) O.D. Also, a handy bezel clip for holding LED bulbs.

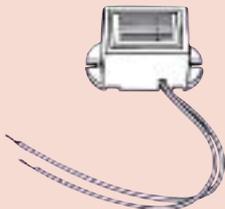
CODE	BULB TYPE
SCKT-5	LED
SCKT-10	Standard Round



SCKT-5



SCKT-10



BUZZER

Miniature Buzzer designed to operate on 9V D.C. current. Maximum output 83dB, with a frequency of approximately 420 Hz. Dimensions approximately 1" (25.4mm) x 3/4" (19.1mm) x 3/4" (19.1mm).

CODE: BUZZ-9

SINGLE & DOUBLE POLE TOGGLES

Single pole, 2 lug on/off for 1 amp current, and double pole, 6 lug switch for reversing polarity on low voltage DC motors, toggle switches.

CODE	DESCRIPTION
TOGL-1	Single Pole
TOGL-2	Double Pole



HARDWARE & MISCELLANEOUS



COLLARS WITH SET SCREWS

A simple and effective method for securing gears, pulleys, wheels, etc.

Sold In bags of 10 pieces only.

CODE	TO FIT	
	AXLE O.D.	
COLAR-2	5/64"	2.0mm
COLAR-3	1/8"	3.2mm
COLAR-4	5/32"	4.0mm

AXLE HUB CAPS

Spring steel Hub Caps designed for metal axles. Push fit allows easy and fast installation or removal.

Sold in bags of 20 pieces only.



CODE	TO FIT	
	AXLE O.D.	
HUB-3	1/8"	3.2mm
HUB-4	5/32"	4.0mm
HUB-6	1/4"	6.4mm

AXLE REDUCER



Allows axle reduction from 5/32" (4.0mm) to 3/32" (2.4mm). Simple push-fit sleeve gives you the option of incorporating different gearing systems onto one common size of axle.

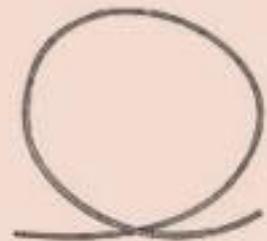
Sold in bags of 20 pieces only.

CODE: RED-42

FLEX SPRING DRIVE BELT

12" (300mm) long flexible steel spring driving belt. To assemble, screw ends together. Two or more may be coupled together where longer lengths are needed.

CODE: BELT-300



SPRING ASSORTMENT

Approximately 100 assorted Springs in several lengths, diameters, tensions and styles.

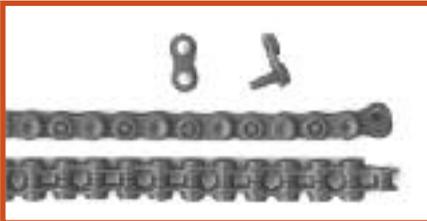
CODE: SPRG-100

HARDWARE & MISCELLANEOUS

SPROCKET CHAIN

1/4" (6.4mm) wide, 36" (914mm) long, 4 links per inch (25.4mm). Use with assorted gears as a drive mechanism. May also be used as a gear rack by pinning down on a flat surface.

CODE: CHAIN-5



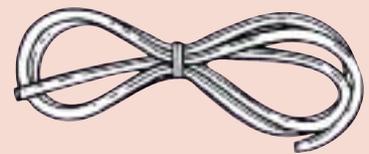
PLASTIC SPROCKET CHAIN & GEARS

1/8" (3.2mm) I.D., 26-3/8" (670mm) long, 3 links per inch (25.4mm), assemble your own plastic chain **with 3 plastic sprocket gears**. Easy snap together assembly add fun to the project and takes only a few minutes to complete. Gears have a 5/32" (4.0mm) shaft hole, and are a 10 tooth (27/32" (21mm) O.D.), 20 tooth (1-27/32" (47mm) O.D.), and 30 tooth (2-27/32" (72mm) O.D.). Use with furnished gears as a drive mechanism. May also be used as a gear rack by pinning down on a flat surface.

CODE: CHAIN-10

CLEAR FLEXIBLE TUBING

Silicone clear flexible tubing in 3' (1m) lengths. Ideal for water or air. **Not recommended for viscous liquids.**



CODE	ACTUAL SIZE			
	O.D.		I.D.	
HOSE-1	1/8"	3.2mm	1/16"	1.6mm
HOSE-2	7/32"	5.6mm	3/32"	2.4mm
HOSE-3	1/4"	6.4mm	1/8"	3.2mm



PVC TEE

Plastic 3-way Tees to fit HOSE-3 (Clear Flexible Tubing).

CODE: TEE-13

RUBBER BANDS

1lb. (.45 kg.) box of size No.16 rubber bands for use as drive belts. Can be used with or without Pulleys.

CODE: BAND-16



CABLE TIES

White nylon Cable Ties for binding wires or components. Ideal for securing Motors in place.

Sold in bags of 10 pieces only.

CODE: CT-6

ENGINEERING & ARCHITECTURAL BOOKS & KITS



DESIGN MODEL TRAINING MANUAL

Written for upper level education, this book explains the uses and limitations of models as an engineering tool. The goals include becoming familiar with the uses of models, thinking in three dimensions, broadening the students piping background as well as step-by-step instructions to constructing the Kit at right. During the model construction, students learn machinery use and safety, blueprint reading, modeling procedures and piping design. Written by ENGINEERING MODEL ASSOCIATES, INC. 136 pages.

CODE: MAN-2



A step-by-step companion to MAN-2. Includes all the components necessary to construct an exact prototype of a professional piping design model.

Scale: 3/8" = 1'-0" (1:32)

CODE: KIT-5002



INTRODUCTION TO DESIGN MODELING

Written for high school, community college or vocational level schools. Developed in a format to give hands-on learning of design modeling. The course is similar in content to our MAN-2, except in a simpler form. Includes step-by-step instructions to construct the Kit at right. A course outlined teachers guide is available upon request. Written by ENGINEERING MODEL ASSOCIATES, INC. 56 pages.

CODE: MAN-5



A step-by-step companion to MAN-5. Includes all the components necessary to construct an exact prototype of a simple professional piping design model.

Scale: 3/8" = 1'-0" (1:32)

CODE: KIT-5005

BASIC DESIGN MINI-KITS

Four contiguous Kits developed as an introductory process model training program. Each Kit may be used as a stand-alone section or combined sequentially with one another. Ideal for high school level education. Each Kit includes instructions and necessary materials. Scale: 3/8" = 1'-0" (1:32)



CODE: KIT-5007A



CODE: KIT-5007B



CODE: KIT-5007C



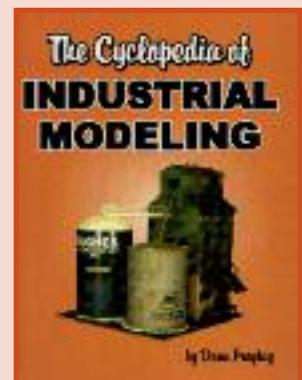
CODE: KIT-5007D

RAILROADING MODELS BOOK

THE CYCLOPEDIA OF INDUSTRIAL MODELING

Author Dean Freytag is widely known for his vast knowledge in the field of industrial models, steel mills and general scratchbuilding. This book is a must for all scratch model builders. It's a 90 page 'step-by step' book with color pictures featuring numerous industrial model projects.

CODE: BOOK-115



DESIGN TECHNOLOGY STARTER PACKS



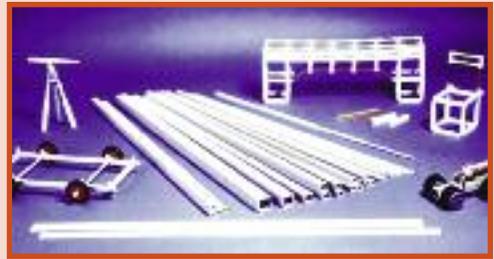
COLORED TUBING & CONNECTORS

Plastic Colored Round Tubing and Coated Wire in several sizes and multiple colors along with various connectors. All components are designed to work together. Provides a quick and easy way for educators to order a basic supply of model materials. Not developed to create specific items, but to provide a useful range of products for general model making and prototype design. Working tips and material properties are included within the Pack. Contains enough materials for a classroom of approximately 20 students. Over 180 products.

Contents include:

- Plastic Colored Tubing in 5 Diameters
- Plastic Colored Coated Wire
- Plastic Elbows
- Plastic Snap-On Tees
- Plastic End Caps

CODE: PACK-101



SQUARE & RECTANGULAR TUBING

Plastic Square and Rectangular Tubing in several sizes. All components are manufactured in sturdy ABS plastic, allowing extremely strong construction. Great for general structural construction. Many sizes of square tubing telescope, which is especially useful in robotics. Provides a quick and easy way for educators to order a basic supply of model materials. Not developed to create specific items, but to provide a useful range of products for general model making and prototype design. Working tips and material properties are included within the Pack. Contains enough materials for a classroom of approximately 20 students. Over 35 products.

Contents include:

- Plastic Square Tubing
- Plastic Rectangular Tubing
- Plastic Strip Material
- Plastic Tubing Assembly Components

CODE: PACK-102



CLEAR ACRYLIC SHAPES

A general assortment of clear and fluorescent colored acrylic rod and shapes for jewelry, decoration and furniture projects. Great for craft and scientific light transmission projects. Provides a quick and easy way for educators to order a basic supply of model materials. Not developed to create specific items, but to provide a useful range of products for general model making and prototype design. Working tips and material properties are included within the Pack.

Over 130 products. Contents include:

- Clear Round, 1/2 Round and Square Rod
- Clear Balls and Cubes
- Clear Hemispheres
- Fluorescent Round Rod

CODE: PACK-103



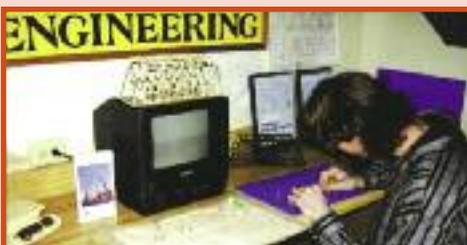
TOOLS & CEMENTS

Basic Hand Tools and Cements for plastic model parts construction. PLASTRUCT Plastic Weld Cement, CYA glue and 15 minute Epoxy cement should answer all bonding needs. Safe-to-use cutting tools and cement applicators also included. Provides a quick and easy way for educators to order a basic supply of model construction tools. Contains two each of the hand tools, and enough cements for a classroom of approximately 20 students to share.

Over 35 products. Contents include:

- PLASTRUCT Plastic Weld Cement
- Solvent Cement Applicators
- CYC and Epoxy Glues
- Electricians Tape
- ZONA Hand Saws & Rep. Blades
- Hobby Model Knives
- Hobby Mitre Boxes

CODE: PACK-104



DESIGN TECHNOLOGY STARTER PACKS



POWER CENTER

A general assortment of motors and related gears, axles, battery holders and clips, etc. to fabricate working models. Also includes some tubing and other assorted components. Ideal as a companion Pack for all other Starter Packs. Provides a quick and easy way for educators to order a basic supply of accessory products. Not developed to create specific items, but to provide a useful range of products for general model making and prototype design. Working tips are included within the Pack. Contains enough materials for a classroom of approximately 20 students.

Over 400 products. Contents include:

- Small Electric Motors
- Plastic Gears and Wheels
- Steel Axles
- Battery Holders and Clips
- Plastic Tubing and Profiles
- Plastic Tubing Components

CODE: PACK-105

SPACE FRAME KITS

PINCO SPACE FRAME KIT

Originally developed for interior display design, this fast and simple system allows construction of the pictured structure without tools or cements; snap together assembly.

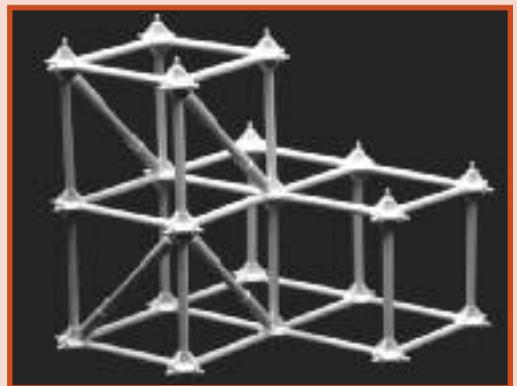
Kit consists of 20 White Butyrate Plastic six way connectors, ten White Butyrate Plastic diagonal connectors, 40 2" (50mm) White Butyrate Plastic tubes and five 1-5/8" (40mm) White Butyrate Plastic tubes. Color may be added by using our 3/16" (4.8mm) O.D. colored tubing (Code TBL-6*).

CODE: KIT-5211

COMPONENT PARTS AVAILABLE SEPARATELY

6-Way Connector	CODE: PIJ-6
Diagonal Connector	CODE: PID-2
1-5/8" (40mm) Tubing	CODE: PIT-2
2" (50mm) Tubing	CODE: PIT-3

* Add color designation to code. i.e.: TBL-6R (Red).



NEED IT FAST?

Specify Fed-Ex or UPS Next Day Service. We also offer 2 and 3 Day Air Service, as well as Economical Ground.

DESIGN TECHNOLOGY PROJECT PACKS



RACERS PROJECT PACK

The Racers Project Pack is designed as an easy to use system for the design and construction of battery powered vehicles. Because assembly is so easy, the main emphasis of instruction can be on investigation and design. The end result is a product economical enough to be consumable, or capable of being dismantled and the components reused. Most parts simply snap together. Construction ideas and details are included on an illustrated sheet within the Pack. Contains enough materials for a classroom of approximately 20 students. Over 150 products.

Contents include:

- Plastic Colored Tubing and Connectors
- Plastic Wheels
- Rubber Tire Material
- Small Electric Motors
- Battery Holders and Wiring Clips

CODE: PACK-201



STORAGE CONTAINERS PROJECT PACK

The Storage Containers Project Pack contains a wide range of products suitable for designing and constructing an extensive variety of small containers. The objective is to produce imaginative and creative solutions to storage problems, not to produce a quantity of identical units. The geometric nature of the containers make such products an excellent vehicle for sketching and rendering techniques in addition to evaluative modeling in waste materials. These materials can be worked with common hand and machine tools. Construction ideas and details are included on an illustrated sheet within the Pack. Contains enough materials for a classroom of approximately 20 students. Over 90 products.

Contents include:

- Plastic Round Colored Tubing
- Tubing End Caps
- Plastic Profiles
- Square and Rectangular Tubing

CODE: PACK-202



PEN RESTYLE PROJECT PACK

The Ball Point Pen Restyle Project Pack provides limitless opportunities for expression of individual tastes in prototype and packaging design. Suitable for students of various age groups, and differing abilities, this project offers simple constructability and an end product the student can use daily with pride. Required tools can be as simple as small handsaws and pinvises, or computer controlled lathes for those schools with high-tech equipment. Complete outline of all facets of construction, packaging and project summarization are included in a 7 page instruction packet within the Pack. Contains enough materials for a classroom of 20-40 students. Over 300 products.

Contents include:

- Plastic Round Colored Tubing
- Tubing Connectors and End Caps
- Plastic Square Tubing
- Plastic Strip Material
- Pen Refills and Pocket Clips

CODE: PACK-203



TRUSS BRIDGE PROJECT PACK

The Truss Bridge Project Pack was originally developed for the more advanced hobby modeler but fits nicely in the engineering module of a Design & Technology program. Students construct a typical single span truss bridge using miniature plastic representations of structural members in 1:48 scale. These Steel Gray, professional scale model materials can be worked with common hand and machine tools. Drawing blueprints and details are included with step-by-step instructions within the Pack. Contains enough materials to construct five 5"(125mm) W x 30"(750mm) L bridges. Nearly 200 products.

Contents include:

- Plastic H Columns
- Plastic I Beams
- Plastic Channels
- Plastic Tees
- Plastic Strip Material

CODE: PACK-204



IN A HURRY?

Call our Toll Free 800 Order Line and pay by VISA/MasterCard. (800) 666-7015 8:00 am-2:00 pm Pacific Time.

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CONVERSION TABLES

SCALE EQUIVALENTS

1" = 100'	1:1200
1" = 75'	1:900
1" = 60'	1:700
1" = 50'	1:600
1" = 40'	1:500
1" = 30'	1:400
1" = 20'	1:250
1" = 10'	1:125
1/32" = 1'	1:400
1/16" = 1'	1:200
3/32" = 1'	1:125
1/8" = 1'	1:100
3/16" = 1'	1:75
1/4" = 1'	1:48
3/8" = 1'	1:32
1/2" = 1'	1:24
3/4" = 1'	1:16
1" = 1'	1:12

HOBBY CONVERSION CHART

COMPUTED TO THE NEAREST 1/64"

ACTUAL SIZE	1" = 1' 1:12	G 1:24	#1 1:32	O 1:48	S 1:64	HO 1:87	TT 1:120	N 1:160	Z 1:250
2"	5/32"	5/64"	1/16"	3/64"	1/32"	1/64"	1/64"	1/64"	1/64"
4"	11/32"	11/64"	1/8"	5/64"	1/16"	3/64"	1/32"	1/64"	1/64"
6"	1/2"	1/4"	3/16"	1/8"	3/32"	1/16"	3/64"	1/32"	1/64"
8"	21/32"	21/64"	1/4"	11/64"	1/8"	3/32"	1/16"	3/64"	1/32"
10"	27/32"	27/64"	5/16"	13/64"	5/32"	7/64"	5/64"	1/16"	3/64"
1'	1"	1/2"	3/8"	1/4"	3/16"	9/64"	3/32"	5/64"	1/16"
2'	2"	1"	3/4"	1/2"	3/8"	9/32"	13/64"	5/32"	7/64"
3'	3"	1-1/2"	1-1/8"	3/4"	9/16"	13/32"	19/64"	15/64"	5/32"
4'	4"	2"	1-1/2"	1"	3/4"	35/64"	13/32"	19/64"	7/32"
5'	5"	2-1/2"	1-7/8"	1-1/4"	15/16"	11/16"	1/2"	3/8"	17/64"
10'	10"	5"	3-3/4"	2-1/2"	1-7/8"	1-3/8"	1"	3/4"	35/64"

FRACTION TO DECIMAL CONVERSION CHART

FRA.	DEC.	FRA.	DEC.	FRA.	DEC.	FRA.	DEC.
1/64	.0156	17/64	.2656	33/64	.5156	49/64	.7656
1/32	.0312	9/32	.2812	17/32	.5312	25/32	.7812
3/64	.0468	19/64	.2968	35/64	.5468	51/64	.7968
1/16	.0625	5/16	.3125	9/16	.5625	13/16	.8125
5/64	.0781	21/64	.3281	37/64	.5781	53/64	.8281
3/32	.0937	11/32	.3437	19/32	.5937	27/32	.8437
7/64	.1093	23/64	.3593	39/64	.6093	55/64	.8593
1/8	.125	3/8	.375	5/8	.625	7/8	.875
9/64	.1406	25/64	.3906	41/64	.6406	57/64	.8906
5/32	.1562	13/32	.4062	21/32	.6562	29/32	.9062
11/64	.1718	27/64	.4218	43/64	.6718	59/64	.9218
3/16	.1875	7/16	.4375	11/16	.6875	15/16	.9375
13/64	.2031	29/64	.4531	45/64	.7031	61/64	.9531
7/32	.2187	15/32	.4687	23/32	.7187	31/32	.9687
15/64	.2343	31/64	.4843	47/64	.7343	63/64	.9843
1/4	.2500	1/2	.5000	3/4	.7500	1	1.000

FRACTIONS & DECIMALS TO MILLIMETERS

inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
1/64	0.4	17/64	6.7	33/64	13.1	49/64	19.4	1-1/8	28.6
1/32	0.8	9/32	7.1	17/32	13.5	25/32	19.8	1-1/4	31.8
3/64	1.2	19/64	7.5	35/64	13.9	51/64	20.2	1-1/2	38.1
1/16	1.6	5/16	7.9	9/16	14.3	13/16	20.6	1-3/4	44.5
5/64	2.0	21/64	8.3	37/64	14.7	53/64	21.0	2	50.8
3/32	2.4	11/32	8.7	19/32	15.1	27/32	21.4	3	76.2
7/64	2.8	23/64	9.1	39/64	15.5	55/64	21.8	4	101.6
1/8	3.2	3/8	9.5	5/8	15.9	7/8	22.2	5	127.0
9/64	3.6	25/64	9.9	41/64	16.3	57/64	22.6	6	152.4
5/32	4.0	13/32	10.3	21/32	16.7	29/32	23.0	10	254.0
11/64	4.4	27/64	10.7	43/64	17.1	59/64	23.4	12	304.8
3/16	4.8	7/16	11.1	11/16	17.5	15/16	23.8	15	381.0
13/64	5.2	29/64	11.5	45/64	17.9	61/64	24.2	24	609.6
7/32	5.6	15/32	11.9	23/32	18.3	31/32	24.6	30	762.0
15/64	6.0	31/64	12.3	47/64	18.7	63/64	25.0	36	914.0
1/4	6.4	1/2	12.7	3/4	19.1	1	25.4		

inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
.010	0.3	.110	2.8	.310	7.9	.520	13.2	.920	23.4
.015	0.4	.120	3.0	.320	8.1	.540	13.7	.940	23.9
.020	0.5	.130	3.3	.330	8.4	.560	14.2	.960	24.4
.025	0.6	.140	3.6	.340	8.6	.580	14.7	.980	24.9
.030	0.8	.150	3.8	.350	8.9	.600	15.2	1.00	25.4
.035	0.9	.160	4.1	.360	9.1	.620	15.7	1.25	31.8
.040	1.0	.170	4.3	.370	9.4	.640	16.3	1.50	38.1
.045	1.1	.180	4.6	.380	9.7	.660	16.8	1.75	44.5
.050	1.3	.190	4.8	.390	9.9	.680	17.3	2.00	50.8
.055	1.4	.200	5.1	.400	10.2	.700	17.8	2.25	57.2
.060	1.5	.210	5.3	.410	10.4	.720	18.3	2.50	63.5
.065	1.7	.220	5.6	.420	10.7	.740	18.8	2.75	69.9
.070	1.8	.230	5.8	.430	10.9	.760	19.3	3.00	76.2
.075	1.9	.240	6.1	.440	11.2	.780	19.8	3.50	88.9
.080	2.0	.250	6.4	.450	11.4	.800	20.3	4.00	101.6
.085	2.2	.260	6.6	.460	11.7	.820	20.8	4.50	114.3
.090	2.3	.270	6.9	.470	11.9	.840	21.3	5.00	127.0
.095	2.4	.280	7.1	.480	12.2	.860	21.8	5.50	139.7
.100	2.5	.290	7.4	.490	12.4	.880	22.4	6.00	152.4
		.300	7.6	.500	12.7	.900	22.9		

IT'S AMAZING WHAT YOU CAN DO!



Photos courtesy of John Walther, Paramus, NJ; Alan Graziano, South Plainfield, NJ; Ronald Blair, Fullerton, CA; Bob Gardner, Salmon Arm, Canada; George Venturini, Carlstadt, NJ; Paul Gesso, Denver, CO and Abacus Architects, Inc, Las Vegas, NV.

STORE DISPLAYS



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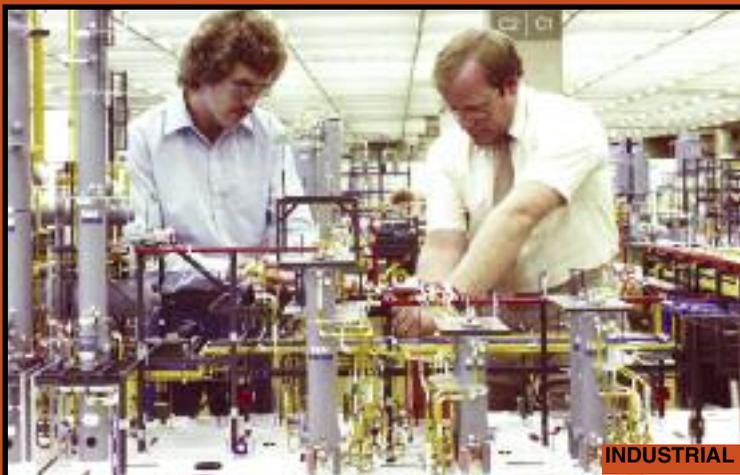
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