Surface Details™

Archer Fine Transfers (Archer) Surface Details™ are raised resin objects cast onto Microscale clear decal film. They are applied like waterslide decals and add the authentic effect of three-dimensional rivets and other raised textures or surfaces. Discriminating prototype modelers have reported amazing results in a fraction of the time they used to spend using other methods. In a recent issue of Model Railroad Hobbyist Magazine, publisher Joe Fugate stated that Archer Surface Details™ have revolutionized kitbashing and scratchbuilding.

Surface Details™ are made in the USA using a proprietary process. Archer is the only company offering this product using these materials and this technique.

The product line includes a variety of rivets, weld beads, tread plates, louvers, foundry symbols and other items used by model railroaders and armor, aircraft and ship modelers. Surface Details™ are researched by some of the most knowledgeable modelers in the industry. They are available in precise HO, O, N, S, G, 1/16th, 1/32, 1/35th, 1/48th and 1/72nd scales.

Archer owner Woody Vondracek conceived of the concept of raised details in 1996. The original raised details were dry transfers. Archer manufactured and sold these raised dry transfers for several years. In 2002 Vondracek began developing raised resin rivets on clear decal film. In 2007 he perfected the current incarnation of Surface Details™ and has been producing, selling and growing this product line continuously since then.

Surface Details™ were originally designed for military modelers, Archer’s main demographic. In 2009, after being contacted by prototype model railroaders, Vondracek began producing Surface Details™ to scale for prototype model railroaders. We currently offer 86 different items, most of which are specifically designed for model railroaders. We have plans to grow this product line substantially.

HOW TO USE THIS CATALOG

Due to the fact that new products are added to the last page of this catalog as they are released you will find different scales on almost every page.

To make locating scales easier each product has a Scale Code in the upper left corner of the illustration as seen here:

RESIN BRIDGE RIVETS
Correct diameter and spacing commonly found on steel bridges. Sheet contains 120 inches (305 cm) of resin rivets, .016 inch (.41 mm) diameter spaced .11 inches (2.8 mm) apart. Comes with instructions.

CLICKABLE HOT LINKS
Clicking the illustration will take you to the product on our website so you can buy on-line.

Scales marked V have no specific scale, multiple scales, or are generic in nature.

NOTE: Scales marked M are primarily for military models but you may find a unique use for them elsewhere.

NOTE: If you downloaded this catalog from our website please be sure to print it at full size, 100%. Since each product is shown in actual size you can visually compare what is on the sheet against your model to select the product that suits your needs.

ONLINE VIDEO TUTORIAL
If this all sounds too easy to be true, please take a few minutes to view our video tutorial. It’s free, all the tricks are explained and all of your questions will be answered. www.youtube.com/watch?v=aptnvFeEqio
**SURFACE DETAILS**

**RESIN FASTENER HEADS**
Starter sheet of .008, .011, .014 inch diameter fastener heads. A total of almost 100 linear inches of rivets are on this sheet. This is a good choice if you're not looking for any specific scale and just need a selection of various size rivets. Instructions included.

Various scales
AR88001
$17.95

**RESIN FASTENERS**
Sheet includes US and British style Dzus fasteners as well as an assortment of rivet heads. .025 inch (.64 mm), .030 inch (.76 mm) in diameter. Instructions included.

1/32 and 1/48 scale
AR88002
$17.95

**RESIN ACCESS PANELS**
Sheet includes an assortment of common access panels as well as aircraft fuel filler doors, also includes piano hinge detail. Instructions included.

1/32 and 1/48 scale
AR88003
$17.95

**RESIN WW-I STITCHING**
Sheet contains two common styles of fuselage stitching found on WWI aircraft. Almost 100 linear inches (254 cm) of stitching on this sheet. Instructions included.

1/24 to 1/48 scale
AR88004
$17.95

**RESIN DIAMOND TREADPLATE**
Sheet includes 10.4 square inches (264 square mm) of generic treadplate pattern commonly found on military and civilian vehicles to either replace, correct or add treadplate to vehicle walk surfaces. Instructions included.

1/24 to 1/48 scale
AR88008
$17.95

**RESIN CASTING SYMBOLS**
Sheet comes packed with a generous supply of generic casting symbols to replace, correct or add casting symbols to military or civilian vehicle castings. Comes with general instructions but you will need reference material to add these to a specific vehicle. Instructions included.

1/35 and 1/48 scale
AR88007
$17.95

**RESIN WELD BEADS**
Sheet comes with 30 linear inches (76 cm) of .015 inch (.38 mm) wide beads, 24 linear inches (60 cm) of both .025 inch (.64 mm) and .030 inch (.76 mm) wide beads, and 20 linear inches (50 cm) of .040 inch (1.02 mm) wide arc weld beads. Instructions included.

Various scales
AR88005
$17.95

**RESIN FASTENER HEADS**
Sheet includes 30 linear inches (76 cm) of .015 inch (.38 mm) wide beads, 24 linear inches (60 cm) of both .025 inch (.64 mm) and .030 inch (.76 mm) wide beads, and 20 linear inches (50 cm) of .040 inch (1.02 mm) wide arc weld beads. Instructions included.

Various scales
AR88006
$17.95

**RESIN WELD BEADS**
Sheet comes with 30 linear inches (76 cm) of .015 inch (.38 mm) wide beads, 24 linear inches (60 cm) of both .025 inch (.64 mm) and .030 inch (.76 mm) wide beads, and 20 linear inches (50 cm) of .040 inch (1.02 mm) wide arc weld beads. Instructions included.

Various scales
AR88009
$17.95

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All artwork is copyrighted by Woody Vondracek and may include intentional errors to protect copyrights.
RESIN FABRIC TEXTURE
Sheet includes 10.4 square inches (264 square mm) of generic fabric weave pattern found on canvas and other coarsely woven material. Instructions included.

Various scales AR88010
$17.95

RESIN WOODGRAIN TEXTURE
Sheet includes 10.4 square inches (264 square mm) of a heavily distressed wood grain pattern. Can be cut into strips and alternated on individual planks or simply cut and spaced apart to simulate a wood plank floor. Can also be sanded to simulate areas of less wear. Instructions included.

Various scales AR88011
$17.95

RESIN WOODGRAIN TEXTURE
Sheet includes 10.4 square inches (264 square mm) of a fine wood grain pattern. Can be cut into strips and alternated on individual planks or simply cut and spaced apart to simulate a wood plank floor. Can also be sanded to simulate areas of less wear. Instructions included.

Various scales AR88012
$17.95

RESIN PANEL LINES
Raised panel lines to replace those lost when sanding seams on older model kits. Sheet comes with 72 inches (183 cm) of a line width of .005 inch (.13 mm), 40 inches (102 cm) of a line width of .007 inch (.18 mm) and 12 inches (30 cm) of a line width of .010 inch (.25 mm). Instructions included.

Various scales AR88013
$17.95

RESIN FASTENER HEADS
Full sheet of the smallest rivets on AR88001.
108 inches (274 cm) of .028 inch (.71 mm) spacing, 44 inches (112 cm) of .068 inch (1.73 mm) spacing and 36 inches (92 cm) of .098 inch (2.49 mm) spacing. Instructions included.

Various scales AR88014
$17.95

RESIN FASTENER HEADS
Full sheet of the middle-size rivets on AR88001.
108 inches (274 cm) of .057" (.44 mm) spacing, 32 inches (81 cm) of .083 inch (2.11 mm) spacing and 32 inches (81 cm) of .124 inch (3.15 mm) spacing. Instructions included.

Various scales AR88015
$17.95

RESIN FASTENER HEADS
Full sheet of the largest rivets on AR88001.
108 inches (274 cm) of .078" (.44 mm) spacing, 32 inches (81 cm) of .083 inch (2.11 mm) spacing and 32 inches (81 cm) of .124 inch (3.15 mm) spacing. Instructions included.

Various scales AR88016
$17.95

RESIN WELD BEADS
Full sheet includes 176 linear inches (432 cm) of the narrowest arc weld beads on AR88006.

When applied, these raised beads are the closest appearance to what is actually found on armor vehicles. Instructions included.

Various scales AR88017
$17.95

RESIN WELD BEADS
Full sheet includes 144 linear inches (432 cm) of the next to narrowest arc weld beads on AR88006.

When applied, these raised beads are the closest appearance to what is actually found on armor vehicles. Instructions included.

Various scales AR88018
$17.95

RESIN WELD BEADS
Full sheet includes 136 linear inches (432 cm) of the next to widest arc weld beads on AR88006.

When applied, these raised beads are the closest appearance to what is actually found on armor vehicles. Instructions included.

Various scales AR88019
$17.95
**Resin Weld Beads**

Full sheet includes 120 linear inches (432 cm) of the widest arc weld beads on AR88006.

When applied, these raised beads are the closest appearance to what is actually found on armor vehicles. Instructions included.

Various scales

AR88020

$17.95

**Resin Non-Skid Texture**

Sheet includes 10.4 square inches (264 square mm) of fine texture suitable for aircraft wing-walk areas and 1/48-1/72 armor. Instructions included.

Approx 1/32 to 1/24 scale

AR88021

$17.95

**Resin Fastener Heads**

Sheet includes 80 linear inches (203 cm) of .008 inch (.2 mm) diameter rivets, 72 linear inches (183 cm) of .011 inch (.28 mm) diameter rivets and 56 linear inches (142 cm) of .014 inch (.35 mm) diameter rivets. Perfect for aircraft. Instructions included.

Various scales

AR88022

$17.95

**Resin U-Boat Rivets & Welds**

Complete three-sheet package contains 3-dimensional resin rivets and weld beads to replace lost details to sanding or to correct the kit details. For advanced modelers wanting the highest degree of accuracy. Comes with color-coded, highly detailed placement illustrations.

1/72-scale

AR88023

$59.95

**Resin Freight Car Rivets**

Sheet contains 136 linear inches (345 cm) of 3-dimensional alternate center rivets for freight cars with thinner sides. .004 inch (.10 mm) in diameter spaced .031 inch (.79 mm) apart vertically and .029 inch (.74 mm) apart horizontally. Instructions included.

N-scale

AR88028

$17.95

**Resin Tank Car Rivets**

Sheet contains 192 linear inches (488 cm.) of 3-dimensional resin tank car double-row rivets .006 inch (.15 mm) diameter with a vertical spacing of .017 inch (.43 mm) and a horizontal spacing of .009 inch (.23 mm). Instructions included.

N-scale

AR88029

$17.95

**Resin Railcar Rivets**

Sheet includes rivet heads .006 inch (.15 mm) diameter spacings most commonly found on railcars, including 88 linear inches (223 cm) of .017 inch (.43 mm) spacing, 52 linear inches (132 cm) of .020 inch (.5 mm) spacing, 52 linear inches (132 cm) of .023 inch (.58 mm) spacing and 44 linear inches of staggered pattern. Instructions included.

N-scale

AR88024

$17.95

**Resin 7/8” Railcar Rivets**

Sheet includes rivet heads .010 inch (.25 mm) in diameter in spacings commonly found on railcars, including 44 linear inches (111 cm) of .031 inch (.79 mm) spacing, 25 linear inches (66 cm) of .037 inch (.92 mm) spacing, 25 linear inches (66 cm) of .042 inch (1.07 mm) spacing and 22 linear inches (56 cm) of staggered pattern. Instructions included.

HO-scale

AR88025

$17.95

**Resin 5/8” Railcar Rivets**

Sheet includes .008 inch (.20 mm) diameter rivets in spacings commonly found on railcars, including 44 linear inches (111 cm) of .031 inch (.79 mm) spacing, 25 linear inches (66 cm) of .037 inch (.92 mm) spacing, 25 linear inches (66 cm) of .042 inch (1.07 mm) spacing and 22 linear inches of staggered pattern. Instructions included.

HO-scale

AR88026

$17.95

**Resin 1/16 Scale Tiger Details**

Builds one vehicle. Sheet contains accurate pattern turret floor treadplate with cutouts to fit around kit details, casting marks for equipment, and extras in case you want or need to make additional casting marks. Instructions included.

1/16-scale

AR88027

$21.50

**Resin 5/8” U-Boat Rivets**

Sheet contains .032 inch (.81 mm) of fine texture suitable for armor. Instructions included.

AR88029

$17.95

**Resin Freight Car Details**

Sheet contains 136 linear inches (345 cm) of 3-dimensional alternate center rivets for freight cars with thicker sides. .004 inch (.10 mm) in diameter spaced .031 inch (.79 mm) apart vertically and .029 inch (.74 mm) apart horizontally. Instructions included.

N-scale

AR88028

$17.95

**Resin U-Boat Rivets**

Sheet includes 80 linear inches (203 cm) of .008 inch (.2 mm) diameter rivets, 72 linear inches (183 cm) of .011 inch (.28 mm) diameter rivets and 56 linear inches (142 cm) of .014 inch (.35 mm) diameter rivets. Perfect for aircraft. Instructions included.

Various scales

AR88022

$17.95

**Resin Non-Skid Texture**

Sheet includes 10.4 square inches (264 square mm) of fine texture suitable for aircraft wing-walk areas and 1/48-1/72 armor. Instructions included.

Approx 1/32 to 1/24 scale

AR88021

$17.95

**Resin Fastener Heads**

Sheet includes 80 linear inches (203 cm) of .008 inch (.2 mm) diameter rivets, 72 linear inches (183 cm) of .011 inch (.28 mm) diameter rivets and 56 linear inches (142 cm) of .014 inch (.35 mm) diameter rivets. Perfect for aircraft. Instructions included.

Various scales

AR88022

$17.95

**Resin U-Boat Rivets & Welds**

Complete three-sheet package contains 3-dimensional resin rivets and weld beads to replace lost details to sanding or to correct the kit details. For advanced modelers wanting the highest degree of accuracy. Comes with color-coded, highly detailed placement illustrations.

1/72-scale

AR88023

$59.95

**Resin Freight Car Rivets**

Sheet contains 136 linear inches (345 cm) of 3-dimensional alternate center rivets for freight cars with thinner sides. .004 inch (.10 mm) in diameter spaced .031 inch (.79 mm) apart vertically and .029 inch (.74 mm) apart horizontally. Instructions included.

N-scale

AR88028

$17.95

**Resin Tank Car Rivets**

Sheet contains 192 linear inches (488 cm.) of 3-dimensional resin tank car double-row rivets .006 inch (.15 mm) diameter with a vertical spacing of .017 inch (.43 mm) and a horizontal spacing of .009 inch (.23 mm). Instructions included.

N-scale

AR88029

$17.95

**Resin 7/8” Railcar Rivets**

Sheet includes rivet heads .010 inch (.25 mm) in diameter in spacings commonly found on railcars, including 44 linear inches (111 cm) of .031 inch (.79 mm) spacing, 25 linear inches (66 cm) of .037 inch (.92 mm) spacing, 25 linear inches (66 cm) of .042 inch (1.07 mm) spacing and 22 linear inches (56 cm) of staggered pattern. Instructions included.

HO-scale

AR88025

$17.95

**Resin 5/8” Railcar Rivets**

Sheet includes .008 inch (.20 mm) diameter rivets in spacings commonly found on railcars, including 44 linear inches (111 cm) of .031 inch (.79 mm) spacing, 25 linear inches (66 cm) of .037 inch (.92 mm) spacing, 25 linear inches (66 cm) of .042 inch (1.07 mm) spacing and 22 linear inches of staggered pattern. Instructions included.

HO-scale

AR88026

$17.95

**Resin 1/16 Scale Tiger Details**

Builds one vehicle. Sheet contains accurate pattern turret floor treadplate with cutouts to fit around kit details, casting marks for equipment, and extras in case you want or need to make additional casting marks. Instructions included.

1/16-scale

AR88027

$21.50

**Resin 5/8” U-Boat Rivets**

Sheet includes .032 inch (.81 mm) of fine texture suitable for armor. Instructions included.

AR88029

$17.95

**Resin Freight Car Details**

Sheet contains 136 linear inches (345 cm) of 3-dimensional alternate center rivets for freight cars with thicker sides. .004 inch (.10 mm) in diameter spaced .031 inch (.79 mm) apart vertically and .029 inch (.74 mm) apart horizontally. Instructions included.

N-scale

AR88028

$17.95

**Resin Tank Car Rivets**

Sheet contains 192 linear inches (488 cm.) of 3-dimensional resin tank car double-row rivets .006 inch (.15 mm) diameter with a vertical spacing of .017 inch (.43 mm) and a horizontal spacing of .009 inch (.23 mm). Instructions included.

N-scale

AR88029

$17.95

**Resin U-Boat Rivets & Welds**

Complete three-sheet package contains 3-dimensional resin rivets and weld beads to replace lost details to sanding or to correct the kit details. For advanced modelers wanting the highest degree of accuracy. Comes with color-coded, highly detailed placement illustrations.

1/72-scale

AR88023

$59.95

**Resin Freight Car Rivets**

Sheet contains 136 linear inches (345 cm) of 3-dimensional alternate center rivets for freight cars with thinner sides. .004 inch (.10 mm) in diameter spaced .031 inch (.79 mm) apart vertically and .029 inch (.74 mm) apart horizontally. Instructions included.

N-scale

AR88028

$17.95

**Resin Tank Car Rivets**

Sheet contains 192 linear inches (488 cm.) of 3-dimensional resin tank car double-row rivets .006 inch (.15 mm) diameter with a vertical spacing of .017 inch (.43 mm) and a horizontal spacing of .009 inch (.23 mm). Instructions included.

N-scale

AR88029

$17.95
<table>
<thead>
<tr>
<th>Item Description</th>
<th>Code</th>
<th>Price</th>
<th>Instructions Included</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resin Freight Car Rivets</td>
<td>AR88030</td>
<td>$17.95</td>
<td>Yes</td>
<td>HO-scale&lt;br&gt;Sheet contains 112 linear inches (285 cm.) of 3-dimensional resin alternate center rivets for freight cars with thinner sides&lt;br&gt;.008 inch (.20 mm) in diameter spaced&lt;br&gt;.057 inch (1.45 mm) apart vertically and .052 inch (1.32 mm) horizontally. Instructions included.</td>
</tr>
<tr>
<td>Resin Tank Car Rivets</td>
<td>AR88031</td>
<td>$17.95</td>
<td>Yes</td>
<td>HO-scale&lt;br&gt;Sheet contains 100 linear inches (254 cm.) of 3-dimensional tank car double-row resin rivets&lt;br&gt;.020 inch (.51 mm) in diameter spaced vertically,.064 inch (1.63 mm) and .031 inch (.79 mm) horizontally. Instructions included.</td>
</tr>
<tr>
<td>Resin 7/8&quot; Railcar Rivets</td>
<td>AR88032</td>
<td>$17.95</td>
<td>Yes</td>
<td>O-scale (1/48)&lt;br&gt;Sheet contains rivets .020 inch (.51 mm) in diameter in four spacings found on railcars including 44 linear inches (111 cm) of .062 inch (1.57 mm) spacing, 25 linear inches (66 cm) of .074 inch (1.88 mm) spacing, 25 linear inches (66 cm) of .084 inch (2.13 mm) spacing and 22 linear inches (56 cm) of staggered pattern. Instructions included.</td>
</tr>
<tr>
<td>Resin 5/8&quot; Railcar Rivets</td>
<td>AR88033</td>
<td>$17.95</td>
<td>Yes</td>
<td>O-scale (1/48)&lt;br&gt;Sheet contains rivets .016 inch (.41 mm) in diameter in four spacings found on railcars including 44 linear inches (111 cm) of .062 inch (1.57 mm) spacing, 25 linear inches (66 cm) of .074 inch (1.88 mm) spacing, 25 linear inches (66 cm) of .084 inch (2.13 mm) spacing and 22 linear inches (56 cm) of staggered pattern. Instructions included.</td>
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<td>Resin Freight Car Rivets</td>
<td>AR88034</td>
<td>$17.95</td>
<td>Yes</td>
<td>O-scale (1/48)&lt;br&gt;Sheet contains 112 linear inches (285 cm.) of 3-dimensional resin alternate center rivets for freight cars with thinner sides&lt;br&gt;.016 inch (.41 mm) in diameter spaced 3/16 inch (2.95 mm) apart vertically and .093 inch (2.36 mm) horizontally. Instructions included.</td>
</tr>
<tr>
<td>Resin Tank Car Rivets</td>
<td>AR88035</td>
<td>$17.95</td>
<td>Yes</td>
<td>O-scale (1/48)&lt;br&gt;Sheet contains scale 14 inch (36 cm) louver suitable for 1950s and later applications. Includes 27 linear inches (693mm) of resin louvers. Instructions included.</td>
</tr>
<tr>
<td>Resin 14&quot; Railroad Louvers</td>
<td>AR88036</td>
<td>$17.95</td>
<td>Yes</td>
<td>O-scale (1/48)&lt;br&gt;Sheet contains scale 14 inch (36 cm) louver suitable for 1950s and later applications. Includes 27 linear inches (693mm) of resin louvers. Instructions included.</td>
</tr>
<tr>
<td>Resin 6&quot; Railroad Louvers</td>
<td>AR88037</td>
<td>$17.95</td>
<td>Yes</td>
<td>O-scale (1/48)&lt;br&gt;Sheet contains scale 6 inch (15 cm) louver suitable for pre 1950s and other applications. Includes 43 linear inches (109 cm) of resin louvers. Instructions included.</td>
</tr>
<tr>
<td>Resin 14&quot; Railroad Louvers</td>
<td>AR88038</td>
<td>$17.95</td>
<td>Yes</td>
<td>O-scale (1/48)&lt;br&gt;Sheet contains scale 14 inch (36 cm) louver suitable for 1950s and later applications. Includes 27 linear inches (693mm) of resin louvers. Instructions included.</td>
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<tr>
<td>Resin 6&quot; Railroad Louvers</td>
<td>AR88039</td>
<td>$17.95</td>
<td>Yes</td>
<td>O-scale (1/48)&lt;br&gt;Sheet contains scale 6 inch (15 cm) louver suitable for pre 1950s and other applications. Includes 43 linear inches (109 cm) of resin louvers. Instructions included.</td>
</tr>
</tbody>
</table>
RESIN 14" RAILROAD LOUVERS
Sheet contains scale 14" (36 cm) louvers suitable for 1950s and later applications. Includes 50 linear inches (130 cm) of resin louvers. Instructions included.

N-scale
AR88040
$17.95
Researched by: Allan Gilbert

RESIN 6" RAILROAD LOUVERS
Sheet contains Scale 6" (15 cm) louvers suitable for pre 1950s and other applications. Includes 70 linear inches (178 cm) of resin louvers. Instructions included.

N-scale
AR88041
$17.95
Researched by: Allan Gilbert

RESIN DIAMOND TREADPLATE
Sheet contains correct treadplate texture for GM/EMD, ALCO and Baldwin locomotives. Includes 10 square inches (25 cm) of treadplate. Instructions included.

O-scale (1/48)
AR88042
$17.95
Researched by: Allan Gilbert

RESIN RAILROAD TREADPLATE
Contains accurate treadplate pattern suitable for GE U and -7 locomotives. Includes 10 square inches (859 cm) of treadplate. Instructions included.

HO-scale
AR88047
$17.95
Researched by: Allan Gilbert

RESIN RAILROAD TREADPLATE
Contains accurate treadplate pattern suitable for GE U and -7 locomotives. Includes 10 square inches (859 cm) of treadplate. Instructions included.

O-scale (1/48)
AR88048
$17.95
Researched by: Allan Gilbert

RESIN RAILROAD TREADPLATE
Contains accurate treadplate pattern suitable for GE -8/9 and GEVO locomotives. Includes 10 square inches (859 cm) of treadplate. Instructions included.

HO-scale
AR88049
$17.95
Researched by: Allan Gilbert

RESIN RIB TAPE AND STITCHING
Full sheet includes 51 linear inches (129 cm) of rib tape and stitches for WWII and other fabric covered aircraft. Instructions included.

1/48 scale
AR88045
$17.95
Researched by David Waples

RESIN RIB TAPE AND STITCHING
Full sheet includes 39 linear inches (99 cm) of rib tape and stitches for WWII and other fabric covered aircraft. Instructions included.

1/32 scale
AR88044
$17.95
Researched by David Waples
RESIN GERMAN ARMOR TREADPLATE
Treadplate commonly found on WWII German armor including Pz. III variants including StuG and certain Pz. IV's. Resin treadplate on clear decal film allows you to create crumpled fenders from lead foil and retain the treadplate pattern. Includes 10 square inches (859 cm) of treadplate. May also be suitable for other vehicles. Instructions included.

1/35 scale
AR88050
$17.95

RESIN BRIDGE RIVETS
Correct diameter and spacing commonly found on steel bridges. Sheet contains 100 inches (.254 cm) of resin rivets. .030 inch (.76mm) in diameter spaced .195 inches (4.96 mm) apart. Instructions included.

O-scale (1/48)
AR88051
$17.95

RESIN BRIDGE RIVETS
Correct diameter and spacing commonly found on steel bridges. Sheet contains 120 inches (305 cm) of resin rivets, .016 inch (.41 mm) diameter spaced .11 inches (2.8 mm) apart. Instructions included.

HO-scale
AR88052
$17.95

RESIN BRIDGE RIVETS
Correct diameter and spacing commonly found on steel bridges. Sheet contains 140 inches (356 cm) of resin rivets, .010 inch (.25mm) diameter spaced .058 inches (1.47 mm) apart. Instructions included.

N-scale
AR88053
$17.95

RESIN BRIDGE RIVETS
Correct diameter and spacing commonly found on steel bridges. Sheet contains 160 inches (406 cm) of resin rivets, .009 inch (.23mm) diameter spaced .037 inches (0.94 mm) apart. Instructions included.

1/24 scale
AR88054
$6.95

M4A3E2 FOUNDRY SYMBOLS
Enough for one COBRA KING and alternate tanks with spares, extras and options. Exhaustive research guarantees that your model's foundry symbols are correct. The set also includes extra numbers with instructions so you can customize your model to make it completely unique. Illustrated instructions included.

1/35 scale
AR88058
$6.95

RESIN WELD BEADS
Sheet comes with 897 linear inches (228 cm) of .040 inch (1.02 mm) wide weld beads. These duplicate the "sprue/glue method" popular today. Because these are decals the application process is much quicker. Another advantage these have over our arc weld beads is that they can easily be run around circular details like cupolas. Instructions included.

Various scales
AR88059
$17.95

RESIN RAILROAD LOUVER MIX
Sheet of five different width louvers commonly found on locomotives and railcars. Sheet contains 5.2 linear inches (132 mm) of each of the following widths; 16 inch (40 cm), 14 inch (35.5 cm), 12 inch (30.5 cm), 9 inch (23 cm) and 6 inch (15 cm). Instructions included.

O-scale (1/48)
AR88055
$17.95

RESIN RAILROAD LOUVER MIX
Sheet of five different width louvers commonly found on locomotives and railcars. Sheet contains 3.8 linear inches (96 mm) of each of the following widths; 16 inch (40 cm), 14 inch (35.5 cm), 12 inch (30.5 cm), 9 inch (23 cm) and 6 inch (15 cm). Instructions included.

HO-scale
AR88056
$8.95

RESIN RAILROAD LOUVER MIX
Sheet of five different width louvers commonly found on locomotives and railcars. Sheet contains 2.5 linear inches (64 mm) of each of the following widths; 16 inch (40 cm), 14 inch (35.5 cm), 12 inch (30.5 cm), 9 inch (23 cm) and 6 inch (15 cm). Instructions included.

N-scale
AR88057
$5.95

RESIN RAILROAD LOUVER MIX
Sheet of five different width louvers commonly found on locomotives and railcars. Sheet contains 1.6 linear inches (40 mm) of each of the following widths; 16 inch (40 cm), 14 inch (35.5 cm), 12 inch (30.5 cm), 9 inch (23 cm) and 6 inch (15 cm). Instructions included.

1/35 scale
AR88059
$17.95
### RESIN WELD BEADS

Sheet comes with 101.4 linear inches (258 cm) of .030 inch (.76 mm) wide weld beads. These duplicate the "sprue/glue method" popular today, but, being decals the application process is much quicker. Another advantage these have over our arc weld beads is that they can easily be run around circular details like cupolas. Instructions included.

**Various scales**

<table>
<thead>
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<th>Price</th>
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<td>O</td>
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<td>S</td>
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</tr>
</tbody>
</table>

**Full size samples shown**

Actual sheet measures 2.75 x 4.5 inches (7 cm x 11.4 cm).

### RESIN WELD BEADS

Sheet comes with 109 linear inches (227 cm) of .025 inch (.64 mm) wide weld beads. These duplicate the "sprue/glue method" popular today, but, being decals the application process is much quicker. Another advantage these have over our arc weld beads is that they can easily be run around circular details like cupolas. Instructions included.

**Various scales**

<table>
<thead>
<tr>
<th>Scale</th>
<th>AR88061</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO</td>
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<td></td>
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<tr>
<td>O</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Full size samples shown**

Actual sheet measures 2.75 x 4.5 inches (7 cm x 11.4 cm).

### RESIN WELD BEADS

Sheet comes with 125 linear inches (317 cm) of .015 inch (.38 mm) wide weld beads. These duplicate the "sprue/glue method" popular today, but, being decals the application process is much quicker. Another advantage these have over our arc weld beads is that they can easily be run around circular details like cupolas. Instructions included.

**Various scales**

<table>
<thead>
<tr>
<th>Scale</th>
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<th>Price</th>
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</thead>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

**Full size samples shown**

Actual sheet measures 2.75 x 4.5 inches (7 cm x 11.4 cm).

### RESIN 7/8” STREETCAR RIVETS

These exact scale rivets were researched from blueprints and are designed for those difficult close double and single rows for belt lines and other applications. Sheet contains 25.5 inches (65 cm) single row, 10.6 inches (27 cm) of double row, 10.6 inches (27 cm) close double rows and 10.6 inches (27 cm) staggered double-row rivet heads. Instructions included.

**Various scales**

<table>
<thead>
<tr>
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</tr>
</tbody>
</table>

**Full size sample shown**

Actual sheet measures 2.75 x 4.5 inches (7 cm x 11.4 cm).

### RESIN 5/8” STREETCAR RIVETS

These exact scale rivets were researched from blueprints and are designed for those difficult close double and single rows for belt lines and other applications. Sheet contains 46.5 inches (118 cm) single row, 19.4 inches (49 cm) of double row, 19.4 inches (49 cm) close double rows and 19.4 inches (49 cm) staggered double-row rivet heads. Instructions included.

**Various scales**

<table>
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<tr>
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<tr>
<td>S</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Full size sample shown**

Actual sheet measures 2.75 x 4.5 inches (7 cm x 11.4 cm).

### RESIN RAILROAD TREADPLATE

Sheet contains correct treadplate texture for GP7 and GP9 locomotives. Includes 10 square inches (25 cm) of treadplate. Instructions included.

**Various scales**

<table>
<thead>
<tr>
<th>Scale</th>
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</tr>
</thead>
<tbody>
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<td></td>
<td></td>
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<tr>
<td>S</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Full size sample shown**

Actual sheet measures 1.75 x 2.75 inches (4.45 cm x 7 cm).

### RESIN RAILROAD TREADPLATE

Sheet contains correct treadplate texture for GP7 and GP9 locomotives. Includes 10 square inches (25 cm) of treadplate. Instructions included.

**Various scales**

<table>
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<tr>
<th>Scale</th>
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<tr>
<td>S</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Full size sample shown**

Actual sheet measures 1.75 x 2.75 inches (4.45 cm x 7 cm).

### RESIN RAILROAD TREADPLATE

Sheet contains correct treadplate texture for GP7 and GP9 locomotives. Includes 10 square inches (25 cm) of treadplate. Instructions included.

**Various scales**

<table>
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<tr>
<td>S</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Full size sample shown**

Actual sheet measures 1.75 x 2.75 inches (4.45 cm x 7 cm).

### RESIN RAILROAD TREADPLATE

Sheet contains correct treadplate texture for GP7 and GP9 locomotives. Includes 10 square inches (25 cm) of treadplate. Instructions included.

**Various scales**

<table>
<thead>
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</tr>
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<tbody>
<tr>
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</tr>
</tbody>
</table>

**Full size sample shown**

Actual sheet measures 1.75 x 2.75 inches (4.45 cm x 7 cm).

### RESIN RAILROAD TREADPLATE

Sheet contains correct treadplate texture for GP7 and GP9 locomotives. Includes 10 square inches (25 cm) of treadplate. Instructions included.

**Various scales**

<table>
<thead>
<tr>
<th>Scale</th>
<th>AR88069</th>
<th>Price</th>
</tr>
</thead>
</table>

**Full size sample shown**

Actual sheet measures 1.75 x 2.75 inches (4.45 cm x 7 cm).
**RESIN DIAMOND TREADPLATE**
Sheet contains correct treadplate texture for GM/EMD, ALCO and Baldwin locomotives. Includes 10 square inches (25 cm) of treadplate. Instructions included.

S-scale  
AR88070  
$17.95  
Researched by: Allan Gilbert

**RESIN RAILROAD LOUVER MIX**
Sheet of five different width louvers commonly found on locomotives and railcars. Sheet contains 7.8 linear inches (198 mm) of each of the following widths: 16 inch (40 cm), 14 inch (35.5 cm), 12 inch (30.5 cm), 9 inch (23 cm) and 6 inch (15 cm). Instructions included.

S-scale  
AR88075  
$17.95

**RESIN 7/8" RAILCAR RIVETS**
Sheet contains rivets .014 inch (.36 mm) in diameter in four spacings found on railcars. Includes 45.6 linear inches (116 cm) of .044 inch (1.1 mm) spacing, 19 linear inches (48 cm) of .05 inch (1.27 mm) spacing, 19 linear inches (48 cm) of .058 inch (1.47 mm) spacing and 23 linear inches (58 cm) of staggered pattern. Instructions included.

S-scale  
AR88071  
$17.95  
Researched by: Greg Kennelly

**RESIN 5/8" STREETCAR RIVETS**
These exact scale rivets were researched from blueprints and are designed for close double and single rows for belt lines and other applications. Sheet contains 31.2 inches (79.2 cm) single row, 23.4 inches (59.4 cm) of double row, 23.4 inches (59.4 cm) close double rows and 19.5 inches (39.5 cm) staggered double-row rivet heads. Instructions included.

S-scale  
AR88077  
$17.95  
Researched by: Greg King

**RESIN 7/8" STREETCAR RIVETS**
These exact scale rivets were researched from blueprints and are designed for close double and single rows for belt lines and other applications. Sheet has 31.2 inches (79.2 cm) single row, 23.4 inches (59.4 cm) of double row, 23.4 inches (59.4 cm) close double rows and 19.5 inches (39.5 cm) staggered double-row rivet heads. Instructions included.

S-scale  
AR88077  
$17.95  
Researched by: Greg King

**RESIN BELT RAIL RIVETS**
Exact scale 7/8 inch rivet heads spaced a scale 3 inches apart and 1.5 inches between rows as measured from an existing car. Sheet contains 69 inches (175 cm) of double-row rivets. Instructions included.

O-scale (1/48)  
AR88076  
$17.95  
Researched by Chad Boas

**RESIN TANK CAR RIVETS**
Sheet contains 80.6 linear inches (205 cm) of 3-dimensional tank car double-row resin rivets .014 inch (.36 mm) in diameter spaced vertically .043 inch (1.11 mm) and .021 inch (.53 mm) horizontally. Instructions included.

S-scale  
AR88073  
$17.95  
Researched by Tony Thompson

**RESIN BRIDGE RIVETS**
Correct diameter and spacing commonly found on steel bridges. Sheet contains 103 inches (262 cm) of resin rivets, .022 inch (.56 mm) in diameter spaced .146 inches (3.7 mm) apart. Instructions included.

S-scale  
AR88074  
$17.95

**RESIN 5/8" STREET RIVETS**
Sheet contains correct treadplate texture for GM/EMD, ALCO and Baldwin locomotives. Includes 10 square inches (25 cm) of treadplate. Instructions included.

S-scale  
AR88070  
$17.95  
Researched by: Allan Gilbert

**RESIN 5/8" RAILCAR RIVETS**
Sheet contains correct treadplate texture for GM/EMD, ALCO and Baldwin locomotives. Includes 10 square inches (25 cm) of treadplate. Instructions included.

S-scale  
AR88071  
$17.95  
Researched by: Greg Kennelly

**RESIN BELT RAIL RIVETS**
Exact scale 7/8 inch rivet heads spaced a scale 3 inches apart and 1.5 inches between rows as measured from an existing car. Sheet contains 69 inches (175 cm) of double-row rivets. Instructions included.

S-scale  
AR88076  
$17.95  
Researched by Chad Boas

**RESIN RAILCAR RIVETS**
Sheet contains correct treadplate texture for GM/EMD, ALCO and Baldwin locomotives. Includes 10 square inches (25 cm) of treadplate. Instructions included.

S-scale  
AR88070  
$17.95

**RESIN 7/8" RAILCAR RIVETS**
Sheet contains correct treadplate texture for GM/EMD, ALCO and Baldwin locomotives. Includes 10 square inches (25 cm) of treadplate. Instructions included.

S-scale  
AR88071  
$17.95

**RESIN 5/8" RAILCAR RIVETS**
Sheet contains correct treadplate texture for GM/EMD, ALCO and Baldwin locomotives. Includes 10 square inches (25 cm) of treadplate. Instructions included.

S-scale  
AR88071  
$17.95

**RESIN 7/8" RAILCAR RIVETS**
Sheet contains correct treadplate texture for GM/EMD, ALCO and Baldwin locomotives. Includes 10 square inches (25 cm) of treadplate. Instructions included.

S-scale  
AR88071  
$17.95

**RESIN 5/8" RAILCAR RIVETS**
Sheet contains correct treadplate texture for GM/EMD, ALCO and Baldwin locomotives. Includes 10 square inches (25 cm) of treadplate. Instructions included.

S-scale  
AR88071  
$17.95
RESIN 7/8" RAILCAR RIVETS
Sheet contains rivets .034 inch (.86 mm) in diameter in four different spacings most commonly found on railcars including .032 inch (3.10 mm) spacing, .052 inch (1.32 mm) spacing and .092 inch (2.34 mm) spacing. Instructions included.
G-scale
AR88082
$17.95

RESIN TANK CAR RIVETS
Sheet contains 64 linear inches (162.6 cm) of 3-dimensional tank car double-row resin rivets .034 inch (.86 mm) in diameter spaced vertically .104 inch (2.64 mm) and .052 inch (1.32 mm) horizontally. Instructions included.
G-scale
AR88085
$17.95

RESIN BELT RAIL RIVETS
Exact scale 7/8 inch rivet heads spaced a scale 3 inches apart and 1.5 inches between rows as measured from an existing car. Sheet contains 69 inches (175 cm) of double-row rivets. Instructions included.
HO-scale
AR88080
$17.95

RESIN RAILROAD TREADPLATE
Sheet contains 9.75 square inches (24.8 square cm) of generic treadplate that will adequately represent treatplate on walk surfaces of an N-scale locomotive. Instructions included.
N-scale
AR88088
$17.95

RESIN 5/8" RAILCAR RIVETS
Sheet contains rivets .027 inch (.68 mm) in diameter in four different spacings most commonly found on railcars including .032 inch (3.10 mm) spacing, .052 inch (1.32 mm) spacing and .092 inch (2.34 mm) spacing. Instructions included.
G-scale
AR88083
$17.95

RESIN RAILROAD LOUVER MIX
This is a half-sheet of AR88055 by request. Sheet contains 2.6 linear inches (65.3 cm) of tank car double row rivets. Instructions included.
O-scale (1/48)
AR88086
$8.95

RESIN FREIGHT CAR RIVETS
Sheet contains 116 linear inches (294.6 cm) of 3-dimensional alternate center rivets for freight cars with thinner sides .027 inch (1.68 mm) in diameter spaced .190 inch (4.83 mm) apart vertically and .092 inch (2.34 mm) horizontally. Instructions included.
G-scale
AR88084
$17.95

RESIN RAILROAD LOUVER MIX
Sheet contains 2.6 linear inches (65.3 cm) of tank car double row rivets. Instructions included.
O-scale (1/48)
AR88086
$8.95

RESIN RAILROAD TREADPLATE
Sheet contains .75 square inches (19.1 square cm) of generic treadplate that will adequately represent treatplate on walk surfaces of an N-scale locomotive. Instructions included.
N-scale
AR88088
$17.95

RESIN FREIGHT CAR RIVETS
Sheet contains 74.1 linear inches (188 cm) of 3-dimensional resin rivets in scale 5/8-7/8 inch style in three different pitches and .351 linear inches of alternate center style. Also contains 35.1 linear inches (89 cm) of tank car double row rivets. Instructions included.
N-scale
AR88089
$17.95
<table>
<thead>
<tr>
<th><strong>N-SCALE STARTER SET</strong></th>
<th><strong>S-SCALE STARTER SET</strong></th>
<th><strong>GENERIC PIANO HINGE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sheet contains 74.1 linear inches (188 cm) of 3-dimensional resin rivets in scale 5/8-7/8 inch style in three different pitches and 35.1 linear inches of alternate center style. Also contains 35.1 linear inches (89 cm) of tank car double row rivets. Comes with instructions.</td>
<td>Sheet contains 31.2 linear inches (79.2 cm) of 3-dimensional resin rivets in scale 5/8 inch, 7/8 inch diameter and alternate center style. Also contains 27.3 linear inches (69.3 cm) of tank car double row rivets. Comes with instructions.</td>
<td>Sheet of three different size resin piano hinge cast onto clear decal film. There is 20 linear inches (50.8 cm) of small and 25 linear inches (63.5 cm) each of medium and large on the sheet. Comes with instructions.</td>
</tr>
</tbody>
</table>

**N scale**
- AR88089
- $17.95

**S scale**
- AR88093
- $17.95

**Various scales**
- AR88095
- $8.95

<table>
<thead>
<tr>
<th><strong>S-SCALE ALTERNATE CENTER RIVETS</strong></th>
<th><strong>O-SCALE DIAMOND TREADPLATE</strong></th>
<th><strong>RIVETS IN CIRCULAR PATTERNS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sheet contains 109 linear inches (277 cm) of 3-dimensional resin rivets .011 inch (.28 mm) in diameter spaced .078 inch (1.98 mm) apart vertically and .093 inch (2.36 mm) horizontally on clear decal film. Comes with instructions.</td>
<td>Sheet contains 10.13 square inches (25.7 square cm) of raised resin generic diamond treadplate. Comes with instructions.</td>
<td>Sheet includes .010 inch (.25 mm), .014 inch (.36 mm) and .018 inch (.46 mm) diameter rivets in circle patterns from .125 inch (3.18 mm) to .650 inch (16.5 mm) in diameter. Sample shown here only depicts three of a total of twenty on the sheet. Comes with instructions.</td>
</tr>
</tbody>
</table>

**S scale**
- AR88094
- $17.95

**O-scale**
- AR88092
- $17.95

**Various scales**
- AR88096
- $17.95

<table>
<thead>
<tr>
<th><strong>N-SCALE TREADPLATE</strong></th>
<th><strong>1.25 INCH TANK CAR DOUBLE-ROW RIVETS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sheet contains 9.75 square inches (24.8 square cm) of generic treadplate that will adequately represent treadplate on walk surfaces of an N-scale locomotive. Comes with instructions.</td>
<td>Large rivets as found on tank cars built before 1920. Sheet contains 136 linear inches (345 cm) of double-row rivets. Comes with instructions.</td>
</tr>
</tbody>
</table>

**N-scale**
- AR88088
- $17.95

**HO scale**
- AR88098
- $17.95

**S scale**
- AR88099
- $17.95

<table>
<thead>
<tr>
<th><strong>1.25 INCH TANK CAR DOUBLE-ROW RIVETS</strong></th>
<th><strong>RIVETS IN CIRCULAR PATTERNS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Large rivets as found on tank cars built before 1920. Sheet contains 100 linear inches (254 cm) of double-row rivets. Comes with instructions.</td>
<td>Sheet includes .010 inch (.25 mm), .014 inch (.36 mm) and .018 inch (.46 mm) diameter rivets in circle patterns from .125 inch (3.18 mm) to .650 inch (16.5 mm) in diameter. Sample shown here only depicts three of a total of twenty on the sheet. Comes with instructions.</td>
</tr>
</tbody>
</table>

**N scale**
- AR88097
- $17.95

**HO scale**
- AR88098
- $17.95

**S scale**
- AR88099
- $17.95

**RIVETS IN CIRCULAR PATTERNS**
- Sheet includes .010 inch (.25 mm), .014 inch (.36 mm) and .018 inch (.46 mm) diameter rivets in circle patterns from .125 inch (3.18 mm) to .650 inch (16.5 mm) in diameter. Sample shown here only depicts three of a total of twenty on the sheet. Comes with instructions. **Various scales**
- AR88096
- $17.95
### Scale 1 1/4 Inch Single-Row Rivets
- **Sheet** contains 88 linear inches (224 cm) of single-row rivets in three different spacings (pitch) and 24 linear inches (61 cm) of multi-purpose double-row rivets. Comes with instructions.

<table>
<thead>
<tr>
<th>Scale</th>
<th>Code</th>
<th>Description</th>
<th>Price</th>
<th>Notes</th>
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<tbody>
<tr>
<td>O</td>
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<td>$17.95</td>
<td>Researched by Tony Thompson</td>
<td></td>
</tr>
</tbody>
</table>

### Scale 1 1/4 Inch Single-Row Rivets (HO Scale)
- **Sheet** contains 68 linear inches (173 cm) of single-row rivets in three different spacings (pitch) and 24 linear inches (61 cm) of multi-purpose double-row rivets. Comes with instructions.

<table>
<thead>
<tr>
<th>Scale</th>
<th>Code</th>
<th>Description</th>
<th>Price</th>
<th>Notes</th>
</tr>
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<td>$17.95</td>
<td>Researched by Tony Thompson</td>
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</table>

### Staggered Pattern Rivets (N Scale)
- For box cars and refrigerator cars with double-flange posts. **Sheet** contains 68 linear inches (173 cm) of staggered-row rivets. Comes with instructions.

<table>
<thead>
<tr>
<th>Scale</th>
<th>Code</th>
<th>Description</th>
<th>Price</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
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<td>AR88107</td>
<td>$17.95</td>
<td>Researched by Tony Thompson</td>
<td></td>
</tr>
</tbody>
</table>

### Staggered Pattern Rivets (HO Scale)
- For box cars and refrigerator cars with double-flange posts. **Sheet** contains 56 linear inches (142 cm) of staggered-row rivets. Comes with instructions.

<table>
<thead>
<tr>
<th>Scale</th>
<th>Code</th>
<th>Description</th>
<th>Price</th>
<th>Notes</th>
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<tbody>
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<td>HO</td>
<td>AR88108</td>
<td>$17.95</td>
<td>Researched by Tony Thompson</td>
<td></td>
</tr>
</tbody>
</table>

### Staggered Pattern Rivets (S Scale)
- For box cars and refrigerator cars with double-flange posts. **Sheet** contains 48 linear inches (122 cm) of staggered-row rivets. Comes with instructions.

<table>
<thead>
<tr>
<th>Scale</th>
<th>Code</th>
<th>Description</th>
<th>Price</th>
<th>Notes</th>
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<tbody>
<tr>
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<td>$17.95</td>
<td>Researched by Tony Thompson</td>
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</tbody>
</table>

### 1.25 Inch Tank Car Double-Row Rivets (G Scale)
- Large rivets as found on tank cars built before 1920. **Sheet** contains 64 linear inches (163 cm) of double-row rivets. Comes with instructions.

<table>
<thead>
<tr>
<th>Scale</th>
<th>Code</th>
<th>Description</th>
<th>Price</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
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<td>AR88101</td>
<td>$17.95</td>
<td>Researched by Frank Hodina</td>
<td></td>
</tr>
</tbody>
</table>

### 1.25 Inch Tank Car Double-Row Rivets (O Scale)
- Large rivets as found on tank cars built before 1920. **Sheet** contains 72 linear inches (183 cm) of double-row rivets. Comes with instructions.

<table>
<thead>
<tr>
<th>Scale</th>
<th>Code</th>
<th>Description</th>
<th>Price</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
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<td>AR88100</td>
<td>$17.95</td>
<td>Researched by Frank Hodina</td>
<td></td>
</tr>
</tbody>
</table>

### Scale 1 1/4 Inch Single-Row Rivets (N Scale)
- **Sheet** contains 132 linear inches (335 cm) of single-row rivets in three different spacings (pitch) and 40 linear inches (102 cm) of multi-purpose double-row rivets. Comes with instructions.

<table>
<thead>
<tr>
<th>Scale</th>
<th>Code</th>
<th>Description</th>
<th>Price</th>
<th>Notes</th>
</tr>
</thead>
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<td>AR88102</td>
<td>$17.95</td>
<td>Researched by Tony Thompson</td>
<td></td>
</tr>
</tbody>
</table>

### Scale 1 1/4 Inch Single-Row Rivets (O Scale)
- **Sheet** contains 100 linear inches (254 cm) of single-row rivets in three different spacings (pitch) and 24 linear inches (61 cm) of multi-purpose double-row rivets. Comes with instructions.

<table>
<thead>
<tr>
<th>Scale</th>
<th>Code</th>
<th>Description</th>
<th>Price</th>
<th>Notes</th>
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<td>Researched by Tony Thompson</td>
<td></td>
</tr>
</tbody>
</table>

### Scale 1 1/4 Inch Single-Row Rivets (S Scale)
- **Sheet** contains 88 linear inches (224 cm) of single-row rivets in three different spacings (pitch) and 24 linear inches (61 cm) of multi-purpose double-row rivets. Comes with instructions.

<table>
<thead>
<tr>
<th>Scale</th>
<th>Code</th>
<th>Description</th>
<th>Price</th>
<th>Notes</th>
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<tr>
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<td>AR88104</td>
<td>$17.95</td>
<td>Researched by Tony Thompson</td>
<td></td>
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</tbody>
</table>

### Scale 1 1/4 Inch Single-Row Rivets (S Scale)
- **Sheet** contains 68 linear inches (173 cm) of single-row rivets in three different spacings (pitch) and 24 linear inches (61 cm) of multi-purpose double-row rivets. Comes with instructions.

<table>
<thead>
<tr>
<th>Scale</th>
<th>Code</th>
<th>Description</th>
<th>Price</th>
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<tr>
<td>S</td>
<td>AR88105</td>
<td>$17.95</td>
<td>Researched by Tony Thompson</td>
<td></td>
</tr>
</tbody>
</table>

### Scale 1 1/4 Inch Single-Row Rivets (G Scale)
- **Sheet** contains 88 linear inches (224 cm) of single-row rivets in three different spacings (pitch) and 24 linear inches (61 cm) of multi-purpose double-row rivets. Comes with instructions.

<table>
<thead>
<tr>
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<tr>
<td>G</td>
<td>AR88101</td>
<td>$17.95</td>
<td>Researched by Frank Hodina</td>
<td></td>
</tr>
</tbody>
</table>

### Scale 1 1/4 Inch Single-Row Rivets (O Scale)
- **Sheet** contains 68 linear inches (173 cm) of single-row rivets in three different spacings (pitch) and 24 linear inches (61 cm) of multi-purpose double-row rivets. Comes with instructions.

<table>
<thead>
<tr>
<th>Scale</th>
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<th>Description</th>
<th>Price</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>O</td>
<td>AR88102</td>
<td>$17.95</td>
<td>Researched by Frank Hodina</td>
<td></td>
</tr>
</tbody>
</table>

### Scale 1 1/4 Inch Single-Row Rivets (S Scale)
- **Sheet** contains 56 linear inches (142 cm) of single-row rivets in three different spacings (pitch) and 24 linear inches (61 cm) of multi-purpose double-row rivets. Comes with instructions.

<table>
<thead>
<tr>
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</thead>
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<tr>
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<td>AR88103</td>
<td>$17.95</td>
<td>Researched by Frank Hodina</td>
<td></td>
</tr>
</tbody>
</table>

### Scale 1 1/4 Inch Single-Row Rivets (S Scale)
- **Sheet** contains 48 linear inches (122 cm) of single-row rivets in three different spacings (pitch) and 24 linear inches (61 cm) of multi-purpose double-row rivets. Comes with instructions.

<table>
<thead>
<tr>
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<td>$17.95</td>
<td>Researched by Frank Hodina</td>
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</table>

### Scale 1 1/4 Inch Single-Row Rivets (G Scale)
- **Sheet** contains 64 linear inches (163 cm) of single-row rivets in three different spacings (pitch) and 24 linear inches (61 cm) of multi-purpose double-row rivets. Comes with instructions.

<table>
<thead>
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<th>Description</th>
<th>Price</th>
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</thead>
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<td>AR88100</td>
<td>$17.95</td>
<td>Researched by Frank Hodina</td>
<td></td>
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### Scale 1 1/4 Inch Single-Row Rivets (O Scale)
- **Sheet** contains 72 linear inches (183 cm) of single-row rivets in three different spacings (pitch) and 24 linear inches (61 cm) of multi-purpose double-row rivets. Comes with instructions.

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### Scale 1 1/4 Inch Single-Row Rivets (S Scale)
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### Scale 1 1/4 Inch Single-Row Rivets (G Scale)
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</tbody>
</table>
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HOPPER CAR RIVET SET 1
Includes rivets for:
- Side stakes and inside of car
- Side stakes at bolster and inside of car
- Ends of internal cross ties
- Extras for side stakes, Channel end supports and endmost panels on side
- Splice under slope sheet, Endmost panels on sides and top and bottom of end sheet corner posts and corner posts.

O-scale
AR88123
$17.95
Researched by Larry King

HOPPER CAR RIVET SET 2
Includes rivets for:
- Cross ridge at center side stake, Internal cross tie, Top and bottom of side panels between stakes, and also inside of car,
- Extras for side stakes, Channel end supports and endmost panels on side
- Splice under slope sheet, Endmost panels on sides and top and bottom of end sheet corner posts and corner posts.

HO-scale
AR88124
$17.95
Researched by Larry King

HOPPER CAR RIVET SET 1
Includes rivets for:
- Side stakes and inside of car
- Side stakes at bolster and inside of car
- Ends of internal cross ties
- Extras for side stakes
- Channel end supports
- Comes with instructions

S-scale
AR88125
$17.95
Researched by Larry King

HOPPER CAR RIVET SET 2
Includes rivets for:
- Cross ridge at center side stake, Internal cross tie, Top and bottom of side panels between stakes, and also inside of car,
- Extras for side stakes, Channel end supports and endmost panels on side
- Splice under slope sheet, Endmost panels on sides and top and bottom of end sheet corner posts and corner posts.

O-scale
AR88126
$17.95
Researched by Larry King

HOPPER CAR RIVET SET 1
Includes rivets for:
- Side stakes and inside of car
- Side stakes at bolster and inside of car
- Ends of internal cross ties
- Extras for side stakes, Channel end supports
- Comes with instructions

HO-scale
AR88122
$17.95
Researched by Larry King

STAGGERED PATTERN RIVETS
For box cars and refrigerator cars with double-flange posts.
Sheet contains 40 linear inches (102 cm) of staggered-row rivets.
Comes with instructions.

O Scale
AR88110
$17.95
Researched by Tony Thompson

STAGGERED PATTERN RIVETS
For box cars and refrigerator cars with double-flange posts.
Sheet contains 28 linear inches (71 cm) of staggered-row rivets.
Comes with instructions.

G Scale
AR88111
$17.95
Researched by Tony Thompson

STAGGERED PATTERN RIVETS
For box cars and refrigerator cars with double-flange posts.
Sheet contains 40 linear inches (102 cm) of staggered-row rivets.
Comes with instructions.

N Scale
AR88112
$6.95
Researched by Larry King

STAGGERED PATTERN RIVETS
For box cars and refrigerator cars with double-flange posts.
Sheet contains 40 linear inches (102 cm) of staggered-row rivets.
Comes with instructions.

S Scale
AR88113
$17.95
Researched by Larry King

HOPPER CAR RIVET SET 1
Includes rivets for:
- Side stakes and inside of car
- Side stakes at bolster and inside of car
- Ends of internal cross ties
- Extras for side stakes
- Channel end supports
- Comes with instructions

N-scale
AR88120
$6.95
Researched by Larry King

HOPPER CAR RIVET SET 2
Includes rivets for:
- Cross ridge at center side stake, Internal cross tie, Top and bottom of side panels between stakes, and also inside of car,
- Extras for side stakes, Channel end supports and endmost panels on side
- Splice under slope sheet, Endmost panels on sides and top and bottom of end sheet corner posts and corner posts.

O-scale
AR88126
$17.95
Researched by Larry King

HOPPER CAR RIVET SET 1
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- Side stakes and inside of car
- Side stakes at bolster and inside of car
- Ends of internal cross ties

S-scale
AR88125
$17.95
Researched by Larry King

HOPPER CAR RIVET SET 2
Includes rivets for:
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- Extras for side stakes, Channel end supports and endmost panels on side
- Splice under slope sheet, Endmost panels on sides and top and bottom of end sheet corner posts and corner posts.

O-scale
AR88127
$17.95
Researched by Larry King

HOPPER CAR RIVET SET 1
Includes rivets for:
- Side stakes and inside of car
- Side stakes at bolster and inside of car
- Ends of internal cross ties
- Extras for side stakes, Channel end supports
- Comes with instructions

HO-scale
AR88122
$17.95
Researched by Larry King

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O-scale
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- Extras for side stakes, Channel end supports and endmost panels on side
- Splice under slope sheet, Endmost panels on sides and top and bottom of end sheet corner posts and corner posts.

O-scale
AR88127
$17.95
Researched by Larry King
Actual sheet measures 1.6 x 2.6 inches (4.1 cm x 6.6 cm).

**PULLMAN CAR RIVETS #1**
- Top and bottom edges of letterboard and corners of car at letterboard
- Splice plates on letterboard
- Groups of 6 under lounge window
- On letterboard
- Splice plates below belt rail.
- Corners of car below belt rail
- Vertical rows of rivets below belt rail
- On belt rail

Comes with instructions.

**N scale**
AR88128
$7.95

Researched by: Tom Madden and Larry King

Actual sheet measures 2.75 x 4.5 inches (7 cm x 11.4 cm).

**PULLMAN CAR RIVETS #2**
- Bottom edge of sides • Vertical rows next to windows and elsewhere above belt rail • Top of end of car above door • Angled rows at top corners of end • Horizontal rows half way up ends of car • Bottom of ends • Vertical rows at corners of end of car • Vertical rows next to door opening on end of car • Bottom of end next to door opening • Location of hand brake inside end plate next to opening.

Comes with instructions.

**O scale**
AR88130
$17.95

Researched by: Tom Madden and Larry King

Actual sheet measures 2.75 x 4.5 inches (7 cm x 11.4 cm).

**PULLMAN CAR RIVETS #1**
- Top and bottom edges of letterboard and corners of car at letterboard
- Splice plates on letterboard
- Groups of 6 under lounge window
- On letterboard
- Splice plates below belt rail.
- Corners of car below belt rail
- Vertical rows of rivets below belt rail
- On belt rail

Comes with instructions.

**HO Scale**
AR88131
$17.95

Researched by: Tom Madden and Larry King

Actual sheet measures 2.75 x 4.5 inches (7 cm x 11.4 cm).

**PULLMAN CAR RIVETS #2**
- Bottom edge of sides • Vertical rows next to windows and elsewhere above belt rail • Top of end of car above door • Angled rows at top corners of end • Horizontal rows half way up ends of car • Bottom of ends • Vertical rows at corners of end of car • Vertical rows next to door opening on end of car • Bottom of end next to door opening • Location of hand brake inside end plate next to opening.

Comes with instructions.

**S scale**
AR88132
$17.95

Researched by: Tom Madden and Larry King

Actual sheet measures 2.75 x 4.5 inches (7 cm x 11.4 cm).

**EMD LATCHES**
Sheet of 45 resin latches cast onto Microscale clear decal film. Raised details applied just like regular waterslide decals, but under paint.

Comes with instructions.

**HO Scale**
AR88136
$4.95

Researched by: Michael Ostertag

Actual sheet measures inches (38 mm x 29 mm).
EMD LATCHES
Sheet of 45 resin latches cast onto Microscale clear decal film. Raised details applied just like regular waterslide decals, but under paint.

Comes with instructions.
S Scale
AR88138
$4.95

Researched by: Michael Ostertag

AIRCRAFT RIVETS IN SPIRALS and CIRCLES
Sheet of aircraft rivets .010” (.25 mm) in diameter in three different spacings to match the spacings on AR88140 and AR88141.
Includes a transparent guide to match sheet layout to aid in selecting the appropriate diameter for your model.
Comes with instructions.
1:48 and 1/32 Scale
AR88139
$21.95

SINGLE ROW AIRCRAFT RIVETS
Sheet of aircraft rivets .010” (.25 mm) in diameter in three different spacings to match the spacings on AR88139 and AR88140.

Comes with instructions.
1:48 and 1/32 Scale
AR88140
$21.95

Can also be cut into individual rows if you need more single row rivets to match the spacing and diameter of the rivets on AR88140 above.

DOUBLE ROW AIRCRAFT RIVETS
Sheet of aircraft rivets .014” (.34 mm) in diameter in three different spacings to match the spacings on AR88139 and AR88140.
Can also be cut into individual rows if you need more single row rivets to match the spacing and diameter of the rivets on AR88140 above.

Comes with instructions.
1:48 and 1/32 Scale
AR88141
$21.95

AIRCRAFT RIVETS IN SPIRALS and CIRCLES
Sheet of aircraft rivets .014” (.34 mm) in diameter in three different spacings to match the spacings on AR88143 and AR88144.
Includes a transparent guide to match sheet layout to aid in selecting the appropriate diameter for your model.
Comes with instructions.
1:48 and 1/32 Scale
AR88142
$21.95

Full size samples shown
Actual sheet measures 3.9 x 4.4 inches (9.9 cm x 11.2 cm).

Full size samples shown
Actual sheet measures 3.9 x 4.4 inches (9.9 cm x 11.2 cm).

Full size samples shown
Actual sheet measures 3.9 x 4.4 inches (9.9 cm x 11.2 cm).

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Full size samples shown
Actual sheet measures 3.9 x 4.4 inches (9.9 cm x 11.2 cm).

Full size samples shown
Actual sheet measures 3.9 x 4.4 inches (9.9 cm x 11.2 cm).
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☐ Check here if you want back ordered items shipped separately

FAX OR MAIL ORDER FORM

PLEASE BE CAREFUL THAT YOU ENTER THE ENTIRE PART NUMBER. ERRORS WILL DELAY YOUR ORDER

<table>
<thead>
<tr>
<th>QTY</th>
<th>PART NUMBER</th>
<th>BRIEF DESCRIPTION</th>
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CREDIT CARD NUMBER

SUB TOTAL

POSTAGE

SUB TOTAL

NC CUSTOMERS ADD 7.5% TAX

AMOUNT ENCLOSED

EXP. DATE

SIGNATURE

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