

# Modeling Gondola & Flat Car Loads

Dan Brewer

## How to Model Steel or Alum Slab Loads

### Required Materials:

Plastruct RT-28 ABS Rectangular Tubing (RT-32 for wider loads)

Plastruct SS-101 White Styrene Sheet, 7"x12"x.010"

Aluminum: Model Master Alum Plate - Flat #1451 (Walthers 704-1451)

Steel: Model Master Gun Metal - Flat 1455 (Walthers 704-1455) and

Vallejo Model Wash for Rust Effects #76.507

Line-O-Tape #07 Black 1/16" x 120" pinstripe tape or Great Plains #GPMQ1460 1/16" x 36' Kwikstripe Model Striping Tape

Scale 4x4 & 8x8 Basswood wood

Aim Dark Earth Weathering Powder #110-3107

### Tools:

Measuring Instrument (Scale Ruler, calipers, compass)

Plastruct Plastic Weld Solvent Cement

Adhesive: CA (superglue) and Accelerator

MicroStix Green No. MHSTIX16/G Quick Release adhesive Applicator

MicroBrush Green No. MHR10

Hobby Knife with #11 blade(s)

Hobby Files or Abrasive Cloth

Fine Tooth Hobby Saw/Miter Box or Hobby Chop Saw

Spray Booth or well ventilated space

Paint Vapor Mask

Prototype photo

## How to Model Wire Loads

### Required Materials:

Galvanized Wire, 26 Gauge Bright Paddle/Floral Wire

Flux-coated Solder Wire (300 g) (Micro-Mark 86295)

### Tools:

1/2" PVC Pipe with 1/2 hole drilled 2" from end

Xuron Micro Shear (Micro-Mark 80333) or Diagonal cutters

Measuring Instrument (Scale Ruler, calipers, compass)

Lightweight Leather Gloves!

Paste Flux

Soldering Iron/Station

Prototype photo

## How to Model Loads Covered with Tarps

### Required Materials:

One Sq Ft of Dark Lightweight Fabric

Line-O-Tape #07 Black 1/16" x 120" pinstripe tape or Great Plains #GPMQ1460 1/16" x 36' Kwikstripe Model Striping Tape

Load to be covered (box, tube, shape of your own design)

Hobby Chain (Precision Black Chain 40-lpi)

Scale 8x8 Basswood wood

Aim Dark Earth Weathering Powder #110-3107

### Tools:

Xuron Micro Shear (Micro-Mark 80333) or Diagonal cutters and Scissors

Measuring Instrument (Scale Ruler, calipers, compass)

Adhesive: CA (superglue) and Accelerator

MicroStix Green No. MHSTIX16/G Quick Release adhesive Applicator

MicroBrush Green No. MHR10

Prototype photo

## How to Model Steel Plate Loads

### Required Materials:

Plastruct RTSSA-125 ABS Sheet 7"x12"x.125"  
Line-O-Tape #07 Black 1/16" x 120" pinstripe tape or Great Plains #GPMQ1460 1/16" x 36' Kwikstripe Model Striping Tape  
Hobby Chain (Precision Black Chain 40-lpi)  
Scale 4x4 & 8x8 Basswood wood  
Model Master Gun Metal - Flat 1455 (Walthers 704-1455)  
Vallejo Model Wash for Rust Effects #76.507  
Aim Dark Earth Weathering Powder #110-3107

### Tools:

Adhesive: CA(superglue) and Accelerator  
MicroStix Green No. MHSTIX16/G Quick Release adhesive Applicator  
MicroBrush Green No. MHR10  
Measuring Instrument (Scale Ruler, calipers, compass)  
Hobby Knife with #11 blade(s)  
Hobby Files or Abrasive Cloth  
Vise with Protected Jaws  
Spray Booth or well ventilated space  
Paint Vapor Mask

## How to Model Black Pipe Loads

### Required Materials:

3/8" Black Plastic Drinking Straws or Plastruct TBFS-12 (3/8") [or TBFS-4 (1/8") or TBFS-8 (1/4")]  
Krylon Fusion Flat Black Spray Paint  
Line-O-Tape #07 Black 1/16" x 120" pinstripe tape or Great Plains #GPMQ1460 1/16" x 36' Kwikstripe Model Striping Tape  
A-Line #29219 Hobby Chain (Precision Black Chain 40-lpi)  
Scale 4x4 & 8x8 Basswood wood  
Aim Dark Earth Weathering Powder #110-3107  
Optional: Line-O-Tape #12 Yellow 1/32" x 120" pinstripe tape

### Tools:

Adhesive: CA(superglue) and Accelerator  
MicroStix Green No. MHSTIX16/G Quick Release adhesive Applicator  
MicroBrush Green No. MHR10  
Measuring Instrument (Scale Ruler, calipers, compass)  
Hobby Knife with #11 blade(s)  
Spray Booth or well ventilated space  
Paint Vapor Mask

## How to Model Stainless Steel Pipe Loads

### Required Materials:

K&S Precision Metals #5103 and #5074 Aluminum Tube  
Line-O-Tape #07 Black 1/16" x 120" pinstripe tape or Great Plains #GPMQ1460 1/16" x 36' Kwikstripe Model Striping Tape  
Scale 4x4 & 8x8 Basswood wood  
Aim Dark Earth Weathering Powder #110-3107  
Optional: A-Line #29219 Hobby Chain (Precision Black Chain 40-lpi)

### Tools:

Adhesive: CA(superglue) and Accelerator  
MicroStix Green No. MHSTIX16/G Quick Release adhesive Applicator  
MicroBrush Green No. MHR10  
Measuring Instrument (Scale Ruler, calipers, compass)  
Fine Tooth Hobby Saw/Miter Box  
Hobby Knife with #11 blade(s)  
Hobby Files or Abrasive Cloth