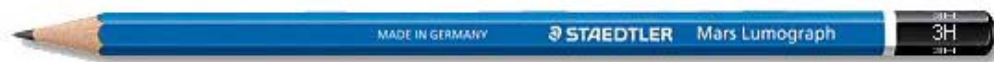




# BARROWMORE

## MODEL RAILWAY GROUP

*"Modelling to a high standard amongst friends"*



### Workshop notes: Rivets, bolt-heads, welding seams, etc. by Iain Kirk

How far will you go?: the question of rivets, bolt-heads and such is one which can reduce modellers to a cold sweat. How many are there? Are there too many? Will anyone notice? Does anyone care?

Solutions to the issue of adding them range from individually adding tiny dots of styrene strip to miniature representations made by such people as the American firms, Grandt Line [1] and Scale Hardware [2]. All these methods can be tedious and a lot of work.

A new player in the market is Archer Surface Details [3] – they produce water slide transfer representations of rivets, fasteners and welds. They originally aimed the products at the military modeller but have now started to cater for other interests and that includes us railway modellers. The transfers represent their subject matter with a special resin and you use them just like you would with any lettering or numbering transfer. Having used them on some recent stock for "Mostyn", I can safely say they are a very simple and effective solution.

The range suitable for railway modelling includes:

#### RIVETS AND FASTENERS

Assorted Small Rivets	Various AR88001
0.008 inch (0.2 mm) Rivets	Various AR88014
0.011 inch (0.28 mm) Rivets	Various AR88015
0.014 inch (0.36 mm) Rivets	Various AR88016
Large fastener heads	Various AR88009
Double row rivets.	Various AR88022
N-scale rivets	N AR88024
HO-scale rivets (7/8 inch)	HO AR88025
HO-scale rivets (5/8 inch)	HO AR88026
N-scale Alternate Centre Rivets	N AR88028
N-scale Tank Car Double Row Rivets	N AR88029
HO-scale Alternate Centre Rivets	HO AR88030
HO-scale Tank Car Double Row Rivets	HO AR88031

#### WELD BEADS AND CASTING SYMBOLS

Perfect weld beads	Various AR88005
Arc weld beads	Various AR88006
0.015 inch (0.38 mm) arc weld beads	Various AR88017
0.025 inch (0.64 mm) arc weld beads	Various AR88018
0.030 inch (0.76 mm) arc weld beads	Various AR88019
0.040 inch (1 mm) arc weld beads	Various AR88020

All cost \$14.95 and are available on line.

Ref: [1] Grandt Line Products: [http://www.grandtline.com/model\\_railroad/augmentables\\_pages.htm](http://www.grandtline.com/model_railroad/augmentables_pages.htm)  
[Editor's note: I have previously bought Grandt Line bolt heads from M.G.Sharp of Sheffield].

[2] Scale Hardware: <http://scalehardware.com/>

[3] Archer Surface Details: <http://www.archertransfers.com/catSurfaceDetails.html>

Iain Kirk. For personal non-commercial use only.

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See more Workshop Notes on the 'BMRG Website'