

WOODSWORKS

Scale Stripwood Supplies

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- Price List July 2017 -

Note: All prices include GST of 15%. Freight must be added to all orders, anywhere from \$1.00 up to \$17.40 for the largest items within New Zealand. Goods are normally shipped by un-tracked parcel post. Australian customers are exempt from NZ GST, postage at cost.

We are agents for **Microengineering** and try to carry a selection of the most popular items at all times. However, orders can sometimes require a lead time of several weeks.

PLEASE NOTE Prices for all imported products subject to NZ\$ exchange rates

NICKEL SILVER RAIL AND HAND-MADE SLEEPERS FOR THE CRAFTSPERSON

(we recommend using 179° solder when fixing rail to PCB, see page 6)

15-040	Rail	Nickel Silver	Code 40	Per piece	2.80
15-055	Rail	Nickel Silver	Code 55	Per piece	2.50
15-070	Rail	Nickel Silver	Code 70	Per piece	3.20
15-083	Rail	Nickel Silver	Code 83	Per piece	3.40
15-100	Rail	Nickel Silver	Code 100	Per piece	3.60
15-056	Rail Joiners		Code 55	Pkt 50	15.85
15-071	Rail Joiners		Code 70	Pkt 50	15.85
15-084	Rail Joiners		Code 83	Pkt 50	15.85
15-101	Rail Joiners		Code 100	Pkt 48	15.85
15-125	Rail	Nickel Silver	Code 125	Per piece	5.60
15-148	Rail	Nickel Silver	Code 148	Per piece	6.50
15-001	Sleepers	PC Board	Custom made	Min. 50	Please enquire
15-002	Sleepers	Wood - low profile	To match PC board	Min. 200	Please enquire
15-003	Sleepers	Wood - packers	Packs up PC sleeper to full height	Min. 50	Please enquire
15-004	Sleepers	Wood - full height	Custom made	Min. 200	Please enquire

Sleepers are manufactured to your exact specification from single-sided copperclad PC board (1.6mm thick) or yellow cedar. Double-sided PCB also available (for soldering to metal bridge girders etc).

MICROENGINEERING - Ho 1:87 Scale

30-001	Turnout code 83 no. 6 Left Hand	\$39.00
30-002	Turnout code 83 no. 6 Right Hand	\$39.00

MICROENGINEERING - On30 1:48 Scale

40-001	Turnout No.5 Left Hand	Code 83	\$47.00
40-002	Turnout No.5 Right Hand	Code 83	\$47.00
40-003	Flextrack 6 x 3ft long	Code 83	\$78.00

KIWITRACK ACCESSORIES - 1:64 SCALE

(we recommend using 179° solder when fixing rail to PCB, see page 6)

Code	Description				Price NZ \$
10-022	Sleepers	8"x5"x7'	Wooden	Per 1000	68.00
10-023	Sleepers	8"x4"x7'	Wooden	Per 1000	64.00
10-024	Sleepers	8"x4"x7'	P/C Board	Per 100	Pre-gapped 18.00
10-025	Sleepers	8"x4"x8'	P/C Board	Each	.11
10-026	Sleepers	8"x4"x9'	P/C Board	Each	.12
10-027	Sleepers	8"x4"x10'	P/C Board	Each	.13
10-028	Sleepers	8"x4"x11'	P/C Board	Each	.14
10-029	Sleepers	8"x4"x12'	P/C Board	Each	.15

KIWITRACK ACCESSORIES - 9mm SCALE

(we recommend using 179° solder when fixing rail to PCB, see page 6)

Code	Description				Price NZ \$
20-015	Sleepers	7'	P/C Board	Each	0.33
20-016	Sleepers	8'	P/C Board	Each	0.37
20-017	Sleepers	9'	P/C Board	Each	0.42
20-018	Sleepers	10'	P/C Board	Each	0.47
20-019	Sleepers	11'	P/C Board	Each	0.53
20-020	Sleepers	12'	P/C Board	Each	0.59
15-125	Rail	Code 125	Nickel Silver	Each	5.60
15-148	Rail	Code 148	Nickel Silver	Each	6.50
20-023	Sleepers	8" x 5" x 7'	Wood	Per 100	12.20
20-024	Sleepers	8" x 2" x 7'	Wood	Per 100	11.40
20-025	Sleepers	8" x 3" x 7'	Wood	Per 100	11.70
20-024 for use with PC board sleepers- recommend 1:4 ratio PC board to wood sleepers					
20-025 are packers to raise PCB sleepers to match full-height (5") wooden sleepers, and are made from whatever timber we have lying around because they will not be visible.					

TRACK LAYING ACCESSORIES - ALL SCALES

30-102	SPIKES – LARGE	500 – 12.7 mm long	\$17.90
30-104	SPIKES – MEDIUM	800 – 9.5 mm long	\$20.65
30-106	SPIKES – SMALL	1000 – 6.4 mm long	\$17.90
30-108	SPIKES – MICRO	1000 – 4.8 mm long	\$17.90

WEATHERING POWDERS

Rust and Coal, or Grey Tones, \$8.20

LINESIDE ACCESSORIES - ALL SCALES

SL1	POINT LEVER KIT	For cable operation	\$24.50
SL2	POINT LEVER KIT	For slow motion switch machines (with switch)	\$27.55
SL3	POINT LEVER KIT	For solenoid-type switch machines (momentary contact)	\$27.55

Cast whitemetal replica of McKenzie & Holland signal box lever, approx 100mm tall. It is intended for mounting to the front of the layout, not on the layout. Turnout levers come assembled but not painted. For cable operation, we recommend using music wire sliding inside traditional spiral-wound curtain wire.

MICROENGINEERING BRIDGE KITS - HO & N-scales

75-514 HO	Tall Steel Viaduct 150ft Two towers	Very detailed styrene kit that resembles NZR viaduct - actual size 525mm L x 270mm H	\$77.00
75-546 HO	TSV tower height extension	Height extension for 75-514 - two additional stories for two towers	\$41.20
75-169 HO	TSV single 3-storey tower	1 Tower or 2 Bents same as those in 75-514 - use in conjunction with 2 x 75-502 30ft deck girder bridge or make your own	\$23.80
75-530 HO	Combination bridge 110ft	2 x deck girder bridges + 1 x through-girder bridge with plain column legs 100mm high	\$58.00
75-505 HO	85ft deck girder bridge	Riveted steel girder - very similar to NZR girder bridge. Actual length 298mm	\$29.00
75-501 HO	50ft deck girder bridge	Riveted steel girder - very similar to NZR girder bridge. Actual length 175mm	\$20.50
75-502 HO	30ft deck girder bridge	Riveted steel girder - very similar to NZR girder bridge. Actual length 105mm	\$18.00
75-518 N	Tall Steel Viaduct 200ft Two towers	Very detailed styrene kit that resembles NZR viaduct - actual size 381mm L x 208mm H	\$57.20
75-176 N	TSV single 3-storey tower	Add-on tower for 75-518 TSV - use in conjunction with 2 x 75-151 40ft deck girder bridge or make your own	\$19.90
75-150 N	80ft deck girder bridge	Riveted steel girder - very similar to NZR girder bridge. Actual length 152mm	\$21.60
75-151 N	40ft deck girder bridge	Riveted steel girder - very similar to NZR girder bridge. Actual length 76mm	\$19.60
80-180 HO	85ft plate girders	2 pairs of girders only, from kit#75-505 - use to build your own bridge - 298mm long each	\$17.70
80-166 HO	50ft plate girders	2 pairs of girders only, from kit#75-501 - use to build your own bridge - 175mm long each	\$11.80
80-167 HO	30ft plate girders	2 pairs of girders only, from kit#75-502 - use to build your own bridge - 105mm long each	\$10.90
80-171 N	40ft plate girders	N-scale: 2 pairs of girders only, from kit#75-151 - use to build your own bridge - 76mm long each	\$10.80

Also available on indent

NZGR 70 foot turntable 1:64 scale. Complete kit with wood pit **now available** \$245, fully assembled but not painted \$410. Register your interest to have one reserved now, numbers will be limited.

****News Update****

Stocks of parts for the existing turntable kit are nearly exhausted, and because the moulds for the whitemetal parts are quite worn, this is an opportune time to redesign this kit to use brass etches and castings rather than whitemetal, using rapid-prototyped masters so all the rivet detail will be included. This will mean an increase in cost, but also means a dramatic increase in detail while remaining easy-ish to assemble.

Brass Castings

(still working on it :-D)	Mostly 9mm:ft New Zealand Railways, with a few 1:24 parts	

SCRATCH-BUILDING SUPPLIES

1: STRIP WOOD

Please see separate Stripwood Price Chart for current timber prices

PLUS Dowelling of diameters:

3mm x 300 long \$0.90	3.2mm x 457 long \$1.30
4.5mm x 610 long \$1.50	6mm x 610 long \$1.70
8mm x 610 long \$1.90	10mm x 610 long \$2.20,

Woodworks stripwood is made from Yellow Cedar, which is light, strong, straight grained and resistant to warping, not to mention very resistant to rot so is suitable for use outdoors. Standard length is 610mm (24 inches)

Due to machining limitations, there is the occasional machining mark, but generally there are two good faces. Lengths 1220mm, 1838mm available upon request for those extra-big projects, priced proportionally.

Other species such as Cherry, Walnut, Sapelle, Totara, Rimu are available - charge out at premium of 10% over standard stripwood price.

2: PLYWOOD

High quality model aircraft ply

0.8mm thickness 315x210mm sheet **\$8.50**

1.2mm thickness 315x210mm sheet **\$9.40**

Larger sizes available in multiples of 315x210mm

3: SOLDER

Carr's low-melt solders going out of stock! The owner of C+L Finescale, the British hobby supplier behind the Carr's brand, has been forced to sell up due to health problems, and as of 12.07.2017 we have been unable to contact the new owner to make arrangements for continued supply so we cannot guarantee stock.

C1296	296 degree Lead/tin/silver	Good wetting properties, highest temp solder in the range (but is not 'silver solder')	\$3.30 /30g wire
C1027	227 degree Tin/Copper	High strength, builds up quite thick, does not contain lead. 1.0mm wire form	\$3.00 /30g wire
C1000	221 degree Tin/Silver	Excellent wetting properties, does not contain lead. 1.2mm wire form	\$9.30 /30g wire
C1004	183 degree Tin/Lead	Good flow properties, leaves only small fillet, useful for sheetmetal and close-fitting joints	\$3.00 /30g wire
C1003	179 degree Tin/Lead/Silver	Similar to 183 deg. but silver content improves flow, useful for laminating sheets	\$6.70 /30g wire
C1002	138 degree Bismuth/tin	Use for adding smaller detail parts after assembling larger structures	\$4.80 /30g wire
C1044	100 degree Bismuth/lead/tin	Use for adding smaller detail parts, a new recipe that is not as brittle as 70 deg. solder	\$18.80 /30g sticks
C1013	198 – 215 degree Zinc rich solder	For Mazak and Diecast repairs	\$15.00/50g wire

There are generally two 'families' of solder; those which are 'sticky' and build up quite thick, and those which are very runny – usually as a result of having silver in the recipe.

Sticky solders are good for filling gaps and joining parts which are aligned at right angles i.e. corners and tee's – the solders will form a thick fillet in the corner, adding strength to the joint. These include 227, 183, 138 and 100 degree solders.

Runny solders are good for joining parts that have flat surfaces meeting and will draw up into narrow gaps, such as when laminating layers of flat brass sheet or when affixing a loco dome atop a boiler. Also very good when soldering rail to PCB sleepers. These include 296, 221 and 179 degree solders.



Please be mindful of the hazards of solders containing lead and cadmium

4: HUMBROL ACRYLICS

We carry a basic range of colours to suit the NZR modeller i.e black, red oxide (*"ah, but what shade of red oxide?"* I hear you say...sorry, no-one knows the answer to that question!), white, silver etc. We cannot handle the enamels, unfortunately, because we are almost exclusively mail-order and enamel paints are a prohibited item in NZ Post's eyes. Numbers in stock are as follows:

- #3 Brunswick Green
- #11 Metallic Silver
- #16 Metallic Gold
- #19 Gloss Bright Red
- #21 Gloss Black
- #22 Gloss White
- #33 Matt Black
- #34 Matt White
- #35 GLOSS CLEAR VARNISH
- #49 MATT CLEAR VARNISH
- #53 Gunmetal
- #56 Metallic Aluminium
- #61 Matt Flesh
- #63 Matt Sand
- #70 Matt Brick Red
- #110 Matt Natural Woods
- #113 Matt Rust

5: MISCELLANEOUS BITS'N'BOBS

Brass etch design and Rapid Prototyping design services by commission

And a word on postage & payments

Rail \$9.50 within North Island, \$14.20 to South Island – if cut in half \$8.40 to all NZ

Smaller items typically \$3.70-\$6.90

Wood strip 610mm long \$9.40 to all NZ

Anything longer than 1500mm must be couriered, but wherever possible we use Mainfreight as they are half the price of a courier and serve most places.

We accept cheques, cash, direct credit – sorry, no credit cards but for International orders we accept **PAYPAL**.

Overseas: Postage charged at cost, NZ Post's overseas shipping rates are quite reasonable, NZ\$8 to Australia for a 50mm tube packed with stripwood.