

WOODSWORKS

- Price List June 2009 -

Note: All prices include GST of 12.5%. Freight must be added to all orders, anywhere from \$2.50 up to \$12.50 for the largest items within New Zealand. Goods are normally shipped by track and trace parcel post or courier where appropriate. Australian customers are exempt from NZ GST, postage at cost.

We are agents for **Micro engineering** and try to carry a selection of the most popular turnouts at all times. However, orders can sometimes require a lead time of two to three weeks.

PLEASE NOTE Prices for all Micro engineering products subject to US\$-NZ\$ exchange rate

MICROENGINEERING RAIL AND HAND-MADE SLEEPERS FOR THE CRAFTSPERSON

- 15-040 Rail Nickel Silver Code 40 Per piece \$3.50
- 15-055 Rail Nickel Silver Code 55 Per piece \$3.10
- 15-070 Rail Nickel Silver Code 70 Per piece \$2.80
- 15-083 Rail Nickel Silver Code 83 Per piece \$3.10
- 15-100 Rail Nickel Silver Code 100 Per piece \$3.30
- 15-056 Rail Joiners Code 55 Pkt 50 \$15.50
- 15-070 Rail Joiners Code 70 Pkt 50 \$15.50
- 15-084 Rail Joiners Code 83 Pkt 50 \$15.50
- 15-101 Rail Joiners Code 100 Pkt 48 \$15.50
- 15-125 Rail Nickel Silver Code 125 Per piece \$4.35
- 15-148 Rail Nickel Silver Code 148 Per piece \$5.00
- 15-001 Sleepers PC Board Custom made Min. 100 Please enquire
- 15-002 Sleepers Wood -low profile To match PC board Min. 500 Please enquire
- 15-003 Sleepers Wood - packers Packs up PC sleeper to full height Min. 100 Please enquire
- 15-004 Sleepers Wood - full height Custom made Min. 500 Please enquire

Sleepers are manufactured to your exact specification from single-sided copperclad PC board or yellow cedar.

MICROENGINEERING - Ho 1:87 Scale

- 30-001 Turnout code 83 no. 6 Left Hand \$36.00
- 30-002 Turnout code 83 no. 6 Right Hand \$36.00

MICROENGINEERING - On30 1:48 Scale

- 40-001 Turnout No.5 Left Hand Code 83 \$40.00
- 40-002 Turnout No.5 Right Hand Code 83 \$40.00
- 40-003 Flextrack 6 x 3ft long Code 83 \$62.00

WOODSWORKS

Scale Stripwood Supplies

KIWITRACK TRACK STRUCTURES

Kiwitrack point work is manufactured in 1:64 & 9mm scales. Turnouts are supplied with PCB sleepers sufficient to keep rails in gauge (about 1 in every 5) and loose wooden sleepers for the purchaser to slip underneath after the turnout is installed. Kiwitrack is to NZR prototype from NZR plans. Track structures are manufactured to fine scale standards and are suitable for use with all models having wheels with a back to back spacing of .566" (NMRA Std) and the NZ 9mm standards for 9mm scale.

Track structures are DCC-friendly where possible and require a switch to route power to the frog.

Kiwitrack conforms to prototype standards. The radius of a turnout etc does not relate to normal circular curvature, as in a normal track bend. Turnouts have two straight sections with a curve between. The radii of our turnouts etc is shown below and is 1/64th of the original.

Kiwitrack is manufactured to order, in the following rail codes. Please specify code when ordering.

1:64 scale 70, 83, 100. In this scale the size of the rail equates closely to the weight of prototype rail.

9mm scale turnouts are made in codes 125, 148. In this scale the weight of prototype would be 60lb and 70lb.

Special turnouts for 1:32 narrow gauge prototypes are also possible, cost will be similar to the equivalent 1:64 turnouts.

KIWITRACK TURNOUTS - 1:64 Scale

Code Turnout To NZR Angle Radius Price NZ \$

10-001	RH or LH Pattern 1:5 3'6" (1060mm)	\$42.00
10-002	RH or LH Pattern 1:6 4'4" (1300mm)	\$43.00
10-003	RH or LH Prototype 1:7½ 5'8" (1300mm)	\$45.00
10-004	RH or LH Prototype 1:9 8'4" (1300mm)	\$48.00
10-005	RH or LH Prototype 1:8 3' x 5' curved	\$63.00
10-006	RH or LH Pattern 1:5 Double point (3way)	\$83.50
10-007	RH or LH Pattern 1:6 Double point (3 way)	\$85.50
10-008	RH or LH Prototype 1:7½ Double point (3 way)	\$86.00
10-009	Y Pattern Matches A 1:5	\$42.00
10-010	Y Pattern Matches A 1:6	\$43.00
10-011	Y Prototype Matches A 1:7½	\$45.00
10-012	Single Slip Pattern Matches A 1:5	\$95.00
10-013	Single Slip Pattern Matches A 1:6	\$97.00
10-014	Single Slip Prototype Matches A 1:7½	\$100.00
10-015	Double Slip Pattern Matches A 1:5	\$110.00
10-016	Double Slip Pattern Matches A 1:6	\$112.00
10-017	Double Slip Prototype Matches A 1:7½	\$115.00
Scissors Crossover with running rails at 57mm centre's		
10-018	Scissors Crossover 1:5	\$160.00
10-019	Scissors Crossover 1:6	\$170.00

10-020 Scissors Crossover 1:7½ \$200.00

10-021 Diamond Crossing* POA

*Diamond crossings are made to order. Please advise angle of crossing required. E.g. 30, 45, 90 degrees etc or if to match a point, advise angle of point. Price on application.

We can manufacture track structures to special requirements e.g. a scissors crossing with a double slip in place of one turnout, a split turnout (Y) with uneven radii, etc. Template provided to check fit before commencing construction.

KIWITRACK ACCESSORIES - 1:64 SCALE

Code Description Price NZ \$

10-022 Sleepers 8"x5"x7' Wooden Per 1000 \$60.00

10-023 Sleepers 8"x4"x7' Wooden Per 1000 \$58.00

Note: 7 foot PC sleepers are pre gapped

10-024 Sleepers 8"x4"x7' P/C Board Per 100 \$10.00

10-025 Sleepers 8"x4"x8' P/C Board Each \$0.10

10-026 Sleepers 8"x4"x9' P/C Board Each \$0.10

10-027 Sleepers 8"x4"x10' P/C Board Each \$0.13

10-028 Sleepers 8"x4"x11' P/C Board Each \$0.14

10-029 Sleepers 8"x4"x12' P/C Board Each \$0.15

15-040 Rail – weathered Nickel Silver Code 40 Per piece \$3.50

15-055 Rail Nickel Silver Code 55 Per piece \$3.10

15-070 Rail Nickel Silver Code 70 Per piece \$2.80

15-083 Rail Nickel Silver Code 83 Per piece \$3.10

15-100 Rail Nickel Silver Code 100 Per piece \$3.30

15-056 Rail Joiners Code 55 Pkt 50 \$15.50

15-071 Rail Joiners Code 70 Pkt 50 \$15.50

15-084 Rail Joiners Code 83 Pkt 50 \$15.50

15-101 Rail Joiners Code 100 Pkt 48 \$15.50

KIWITRACK - 9mm SCALE Manufactured in code 125 & 148 rail

Note: 9mm structures have live frogs and blades. They have scale size tie and throw bars.

Code Points To NZR Angle Price NZ \$ Code 125 Price NZ \$ Code 148

20-001 RH or LH Prototype 1:6.	69	95.00	N/A
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20-002 RH or LH Pattern 1:6	95.00	98.00	
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20-003 RH or LH Prototype 1:7½	97.00	100.00	
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20-004 RH or LH Prototype 1:9	99.50	102.00	
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20-005 RH or LH Curved Prototype 1:12	119.50	122.00	
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Note: Curved points are based on NZR minimum radii of 5 chains x 8 chains. 9.75 x 15.5 m radius.

20-006 Double Slip Pattern 1:5	144.00	N/A	
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20-007 Double Slip Pattern 1:6	149.00	155.00	
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20-008 Double Slip Prototype 1:7½	154.00	162.00	
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20-009 Single Slip Pattern 1:5	134.00	N/A	
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20-010 Single Slip Pattern 1:6	139.00	146.00	
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20-011 Single Slip Prototype 1:7½	145.00	154.00	
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20-012 Double Turnout Prototype 1:7½	135.50	149.00	
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20-013 Scissors Crossing Prototype 1:7½ 295.00 320.00
20-014 Diamond Crossings - made to order. Please advise angle required. POA
Special type track structures made to order as required.

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KIWITRACK ACCESSORIES - 9mm SCALE

Code Description Price NZ \$

20-015 Sleepers 7' P/C Board Each \$0.17
20-016 Sleepers 8' P/C Board Each \$0.19
20-017 Sleepers 9' P/C Board Per 100 \$0.22
20-018 Sleepers 10' P/C Board Each \$0.24
20-019 Sleepers 11' P/C Board Each \$0.27
20-020 Sleepers 12' P/C Board Each \$0.30
15-125 Rail Code 125 Nickel Silver Each \$4.35
15-148 Rail Code 148 Nickel Silver Each \$5.00
20-023 Sleepers 8" x 5" x 7' Wood Per 100 \$17.20
20-024 Sleepers 8" x 2" x 7' Wood Per 100 \$15.40
20-025 Sleepers 8" x 3" x 7' Wood Per 100 \$16.50

(for use with PC board sleepers- recommend 1:4 ratio PC board to wood sleepers)

See **Windows and Doors** for more 9mm scale building details

LINESIDE ACCESSORIES - ALL SCALES

SL1 POINT LEVER KIT For cable operation **\$16.80**

SL2 POINT LEVER KIT For slow motion switch machines (with switch) **\$18.60**

SL3 POINT LEVER KIT For solenoid-type switch machines (momentary contact)
\$18.60

SL4 Fulgurex Turnout Motor

Slow motion turnout motor with extra contacts for signals, panel indication etc

\$28.00 ea

\$250 per 10

For cable operation, we recommend using music wire sliding inside traditional spiral-wound curtain wire. We can purchase slide-switches and toggle switches in bulk for better value.

Also available on indent- updated 2nd April 2009

NZGR 70 foot turntable castings for 1:64 scale - please enquire. Complete kit with wood pit due to be released soon \$240, fully assembled but not painted \$400. I have all the parts on hand, just carving out the pits now. Register your interest to have one reserved now, numbers will be limited.

WINDOWS AND DOORS

Woodworks window and door parts are manufactured locally from laser cut plywood. Please note that these do NOT include material for glazing. Each style is available in four scales as standard; 1/64, 1/48, 1/34 and 1/24, different scales and variations of styles available on request. Due to the vast amount of stock we would have to carry to cover all permutations of style and scale, we instead manufacture to order with turnaround of 1-2 weeks.

Please see supplementary sheets **WINDOW AND DOOR DIAGRAMS** for further details of construction and scale drawings of each.

S scale 1:64

(Vert x horiz)

Code Description Cutout Size Notes Plan # Price NZ \$

64-001 Window - station 35.0x19.0 4-pane Station Class B- NZMRG #2 (9) \$2.80
 64-002 Window - station 35.0x16.5 w/louvers Station Class B- NZMRG #2 (2) \$3.00
 64-003 Window - station 25.5x13.0 4-pane Station Class B- NZMRG #2 (1) NYA
 64-004 Window - station 15.5x10 Station Class B- NZMRG #2 (2) NYA
 64-005 Louvre - Station 13x10 Station Class B- NZMRG #2 (2) NYA
 64-006 Door - station 48x26 Dbl w/light Station Class B- NZMRG #2 (1) NYA
 64-007 Door - station 48x19.5 Sgl w/light Station Class B- NZMRG #2 (4) NYA
 64-008 Door - station 44x27.5 Dbl Station Class B- NZMRG #2 (1) NYA
 64-009 Door - station 33.5x16.5 Internal Station Class B- NZMRG #2 \$2.35
 64-010 Ticket slide 11x10 w/bars Station Class B- NZMRG #2 NYA
 64-011 Skylight - station 17.5x17.5 Station Class B- NZMRG #2 NYA
 64-101 Window – engine shed 42x21.5 Single stall engine shed PWD plan 23396, NZMRG plan # 20 \$4.00
 64-102 Door - engine shed 34x18 Access door Single stall engine shed PWD plan 23396, NZMRG plan # 20 NYA
 64-103 Door - engine shed 67x50 overall Loco stall doors- pair Single stall engine shed PWD plan 23396, NZMRG plan # 20 NYA
 64-104 Louvre - engine shed 17x12 Single stall engine shed PWD plan 23396, NZMRG plan # 20 NYA
 64-201 Window – Railway House 32x19 6+2 pane Railway house, NZMRG planset #3 NYA
 64-202 Window –Railway House 22x16 Bathroom Railway house, NZMRG planset #3 NYA
 64-203 Window –Railway House 18x26 Kitchen Railway house, NZMRG planset #3 NYA
 64-205 Window –Railway House 22x18 Laundry Railway house, NZMRG planset #3 NYA
 64-206 Window –Railway House 18x12 Toilet Railway house, NZMRG planset #3 NYA
 64-207 Door - Railway House 36x19.5 Front door Railway house, NZMRG planset #3 NYA
 64-208 Door - Railway House 34.5x17.5 Back door Railway house, NZMRG planset #3 NYA

SCRATCH-BUILDING SUPPLIES**1: STRIP WOOD**

PLUS Dowelling of diameters 3, 3.2, 4.5, 6, 8mm, various lengths

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.

8" x 5" is appropriate for NZR sleepers, in case you were wondering why there is

such an odd size in there.

Other species such as Totara, Kauri or Rimu are available - charge out at premium of 50% over standard Stripwood price.

Yellow Cedar can also be machined for full sized aircraft building as it is a good substitute for Sitka Spruce, two 'kits' for a KR2S supplied to date, 45 kilograms of timber!

HO 1/87 /pc S 1/64 /pc O 1/48 /pc 7mill 1/43.5 /pc 9mill 1/34 /pc G 1:24 /pc
1"x6" poa 1"x6" poa 1"x6" 1"x6" \$0.71 1"x6" \$0.72 1"x6" \$0.75
1"x12" poa 1"x12" poa 1"x12" \$0.73 1"x12" \$0.74 1"x12" \$0.76 1"x12" \$0.81
2"x2" poa 2"x2" poa 2"x2" \$0.69 2"x2" \$0.70 2"x2" \$0.70 2"x2" \$0.72
2"x3" poa 2"x3" poa 2"x3" \$0.70 2"x3" \$0.70 2"x3" \$0.71 2"x3" \$0.73
2"x4" poa 2"x4" \$0.70 2"x4" \$0.70 2"x4" \$0.71 2"x4" \$0.72 2"x4" \$0.74
2"x6" \$0.69 2"x6" \$0.70 2"x6" \$0.71 2"x6" \$0.72 2"x6" \$0.74 2"x6" \$0.77
2"x8" \$0.70 2"x8" \$0.71 2"x8" \$0.73 2"x8" \$0.73 2"x8" \$0.75 2"x8" \$0.80
3"x3" \$0.69 3"x3" \$0.70 3"x3" \$0.70 3"x3" \$0.71 3"x3" \$0.72 3"x3" \$0.75
3"x4" \$0.69 3"x4" \$0.70 3"x4" \$0.71 3"x4" \$0.72 3"x4" \$0.73 3"x4" \$0.76
3"x6" \$0.70 3"x6" \$0.71 3"x6" \$0.72 3"x6" \$0.73 3"x6" \$0.75 3"x6" \$0.80
3"x12" \$0.71 3"x12" \$0.73 3"x12" \$0.76 3"x12" \$0.77 4"x1" \$0.71 3"x12" \$0.89
4"x4" \$0.70 4"x4" \$0.70 4"x4" \$0.72 4"x4" \$0.72 4"x4" \$0.74 4"x4" \$0.78
4"x6" \$0.70 4"x6" \$0.71 4"x6" \$0.73 4"x6" \$0.74 4"x6" \$0.76 4"x6" \$0.82
4"x8" \$0.71 4"x8" \$0.72 4"x8" \$0.74 4"x8" \$0.75 4"x8" \$0.79 4"x8" \$0.86
4"x12" \$0.72 4"x12" \$0.74 4"x12" \$0.77 4"x12" \$0.78 4"x12" \$0.83 4"x12" \$0.93
5"x8" \$0.71 5"x8" \$0.73 5"x8" \$0.75 5"x8" \$0.76 5"x8" \$0.80 5"x8" \$0.89
6"x6" \$0.71 6"x6" \$0.72 6"x6" \$0.75 6"x6" \$0.76 6"x6" \$0.79 6"x6" \$0.87
6"x12" \$0.73 6"x12" \$0.76 6"x12" \$0.80 6"x12" \$0.81 6"x12" \$0.87 6"x12" \$1.02
12"x12" \$0.76 12"x12" \$0.80 12"x12" \$0.87 12"x12" \$0.90 12"x12" \$1.01 12"x12"
\$1.26
12"x18" \$0.78 12"x18" \$0.85 12"x18" \$0.94 12"x18" \$0.99 12"x18" \$1.14 12"x18"
\$1.51

2: SOLDER

Carr's low-melt solders in stock! We buy in bulk then divide it up for resale to obtain the best possible price. All Carr's products can be sourced on request, these are just the ones that we normally hold in stock.

C1000 221 degree Tin/Silver

Excellent wetting properties, does not contain lead. 1.2mm wire form **\$8.75 /50g** wire

C1004 188 degree Tin/Lead

Good flow properties, leaves only small fillet, useful for sheet metal and close-fitting joints **\$3.40 /50g** wire

C1003 179 degree Tin/Lead/Silver

Similar to 188 deg. but silver content improves flow, useful for laminating sheets **\$8.15 /50g** wire

C1002 145 degree Tin/Lead/Bismuth

Use for adding smaller detail parts after assembling larger structures **\$7.90 /50g** wire

C1001 70 degree Lead/Bismuth

Use for adding small parts, especially whitemetal. Will melt in hot water. **\$7.55 /50g lump**

3: FLUX & SOLDERING AIDS

All Carr's products can be sourced on request, these are just the ones that we normally hold in stock.

C1026 Yellow Label Flux 50 mls

General purpose flux, easy to rinse away with C1052 or water **\$8.10**

C1028 Orange Label Flux 50 mls

Non-corrosive flux for jobs that can't be cleaned afterwards **\$10.30**

C1051 Solder Mask 15g paste

Use to protect areas that you don't want to solder, also for dry lubricant (graphite paste) **\$9.30**

C1052 Neutralizing Rinse 50 mls

Use to remove flux residue to stop corrosion **\$6.70**

C1056 Surface Conditioner 50 mls

Use to treat metal prior to blacking or painting **\$10.90**

C1063 Metal blacking – for brass - 50 mls

Dilute with water and brush on to build up successively darker shades **\$9.10**

C1065**Metal blacking – for white metal 50 mls**

Dilute with water and brush on to build up successively darker shades **\$9.10**

C1069**Metal blacking – for Nickel Silver 50 mls**

Dilute with water and brush on to build up successively darker shades **\$9.10**

4: MATERIALS**Nickel Silver Sheet:****Imperial Metric**

0.016" x 5.875" x 12" \$26.00 0.4 mm x 149 mm x 305 mm

0.032" x 5" x 12" \$41.00 0.8 mm x 127 mm x 305 mm

0.062" x 6" x 12" \$94.00 1.6 mm x 152 mm x 305 mm

0.09375" x 6" x 12" \$142.00 2.4 mm x 152 mm x 305 mm

Plastic Sheet :

200 x 300 mm 0.75 mm \$3.00

1.0 mm \$3.50

1.5 mm \$4.20

2.0 mm \$5.00

5: MISCELLANEOUS BITS'N'BOBS

1/76 – OO Scale Coopercraft Bedford dropside truck kit \$12.00

1/76 – OO Scale Coopercraft Bedford flatbed truck kit \$12.00

7 mm Scale #3011 Coopercraft 4-wheel wagon kit \$30.00

7 mm Scale #3014 Coopercraft 4-wheel wagon kit \$30.00

7 mm Scale #3015 Coopercraft 4-wheel wagon kit \$30.00

7 mm Scale #3017 Coopercraft 4-wheel underframe kit \$16.50