

Specification for winding and Assembly
of NZBC 8053 Inductors.

1. Inductors to be wound according to NZBC Drawing
A3 8053/8. Windings shall be continuous. The
Inductance and number of turns are given in the
following table.

Inductor type F1

Winding wire, single conductor self fluxing fine
enamelled copper 26 SWG.

Inductance L.m.H	Tolerances		Turns
	Minimum L	Maximum L	
45-14 50.9			173 $\frac{1}{2}$
36.0	34.92	37.08	145 $\frac{1}{2}$
25.4	24.64	26.16	123 $\frac{1}{2}$
18.0	17.46	18.54	103 $\frac{1}{2}$
12.73	11.35	13.11	87 $\frac{1}{2}$
9.00	8.73	9.27	73
6.37	6.18	6.56	63
4.50	4.36	4.64	52
3.19	3.10	3.28	44
			START

Dead off 12/6/80
Obsolete off

4. Labelling.

Each inductor is to have the type number clearly and permanently printed on the top of the container.

5. Packaging

Inductors are to be cartoned individually with the NZBC type No. clearly indicated on the outside of the container.

Test Notes

Bridge voltage not to exceed 750mV.

Adjustor to be sealed with sealing wax when Inductance correct.

Before production of quantity ordered a sample shall be forwarded to, NZBC Head Office Equipment Section, 37 Marjoribanks st. Wellington.

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2. The contractor shall supply all the material as listed.

Philips Pot cores. type P36/22.	4322.022	32290
Former	4322 021	30390
Container	4322 021	30570
Spring	4322 021	30680
Tag Plate	4322 021	30490
Adjustor	4322 021	31120

Self fluxing fine enamelled copper wire.

3. Tests

Each inductor is to be adjusted to the correct total inductance, using a bridge of 1% accuracy set at 1KHz frequency. The inductance at each tapping should then be checked with the same bridge, and all taps must be within the tolerance shown in the tables of paragraph 1. If any tap is outside the tolerance the coil is to be rewound.