

Specification for winding and assembly of  
NZBC 8053 Inductors.

1. Inductors are 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.

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obsolete eq/P~~

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

<u>Inductance</u> L.m.H.	<u>Tolerances</u>		<u>Turns</u>
	Minimum.L.	Maximum.L.	
60.5			181.5
50.9	49.4	52.4	166.5
42.8	41.5	44.1	153.5
36.0	35	37.1	141.5
30.3	29.4	31.2	129
25.5	24.7	26.3	118
21.4	20.8	22	109
18.0	17.5	18.5	100
-	-	-	START.

- 2 The contractor shall supply all the materials as listed.

Philips Pot Cores. type P36/22	K300395
Former.	P505586
Container.	B141052
Spring.	B148024
Tag Plate.	P405730
Adjuster	P505699

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 1 KHz 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.

4. Labelling.

1 Each inductor 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 Majoribanks ST.

Wellington.

AVC 6/69