



RADIO CORPORATION OF AMERICA

RCA VICTOR DIVISION,  
TUBE DEPT. STANDARDIZING  
HARRISON, N. J. LANCASTER, PA.

EEE

DATE NOV. 21, '49 PAGE 1

STANDARDIZING  
NOTICE

40-3-1

SUBJECT SPOOLS FOR WIRES & RIBBONS

SUPERSEDED DATE 10/4/44

The following spools are used for carrying wires and ribbons during manufacture and to the consumer. It does not include spools on which we receive materials from outside companies altho some of the spools are so used.

Designation	Material	Head Diam.	Barrel Diam.	Lgth. of Traverse	Overall Length	Spindle Hole Diam.	Use In General
1A or	Aluminum Magnesium	2-1/2"	1-13/16"	3-0"	3-1/4"	0-5/8"	For shipping 2.0 mil and larger magno-nickel wire; for nickel and nickel alloy filament ribbons of intermediate sizes as 84mg. .047" width N97A3 and 68.4 mg. .010" width NA4 and smaller sizes; ribbons used for tabs, connectors, etc. of size below .007"x.040".
3 (5 lb.)	Metal & Wood	4-1/2	2-0	3-0	4-0	0-5/8	For shipping .025" diam. platinum-clad moly; Nipron wire; Nipron and nickel tab ribbons of .007" x .040" and larger sizes; nickel or nickel alloy fil. ribbon as N97 if lengths are sufficiently long. Also to carry round wire for ribbon rolling.
4 (10 lb.)	Metal & Wood	6-0	1-3/4	3-0	4-0	0-9/16	In wire making to carry magno-nickel at 11 mil size and also to carry 16 metal at 40 and 25 mil sizes from drawing to annealer. Also for round wire for ribbon rolling.
9 (25 lb.)	Metal & Wood	9-0	3-3/4	4-0	5-3/4	1-0	Furnished to supplier to ship to us the iron wire made into Nipron wire. Also used for plating, drawing, annealing and shipping Nipron wire. Also for round wire for ribbon rolling.
→ S10	Fibre-board	2-3/8	2-0	* 3-0	* 3-3/4	1-3/4	Filament wire and ribbon after emission coated.
→ S11	Fibre-board	3-0	2-5/8	* 3-0	* 3-3/4	2-3/8	For emission coated fil. wire after being coated with binder and for heater wire after being coated with insulation by drag process.
→ S12	Fibre-board	6-1/4	5-3/4	* 3-0	4-0	5-1/2	For shipping all bare channeled fil. ribbons and also large size nickel alloy ribbons where curl is a factor. Also used for same ribbons after emission coating is applied.

\* Indicates a correction.

PC-22287-35/EG



STANDARDIZING  
 NOTICE

40-3-1

SUBJECT SPOOLS FOR WIRES & RIBBONS

SUPERSEDED DATE 8/24/49

Designation Number	Material	Head Diam.	Barrel Diam.	Lgth of Traverse	Overall Length	Spindle Hole Diam.	Use in General
S20	Steel	4-1/4"	3-13/16"	3/4"	13/16"	3-3/4"	For shipping tungsten-alloy wires which have been straightened and those above 74mg/200mm size which are uncleaned. Also moly and clad moly grid wires.
S32	Spun Aluminum	3-0	2-1/8	2-0	2-1/8	2-1/16	In wire making to carry magno-nickel wires to annealing at 6.1 mil and lower sizes. Also for fine nickel wire for rolling of sizes up to approx. 6 mil.
S40	Cast Aluminum	2-1/4	1-5/8	0-3/4	1-0	0-3/8	For shipping uncleaned tungsten and tungsten alloy wires of 74mg/200mm and smaller sizes.
§S41	Cast Aluminum	2-1/4	2-1/8	0-3/4	0-7/8	0-3/8	In wire making to carry nickel and nickel alloy wires from 1-1/2 mil D. to smaller sizes. Also for shipping 1.2 mil grid wire and very fine fil. wire. See S60 spool.
S42	Cast Aluminum	3-1/4	2-1/2	1-0	1-1/4	0-3/8	In wire making to carry ribbons from rolling to cleaning or annealing.
** S43	Cast Dowmetal	4-3/4	4-0	1-0	1-3/8	0-3/8	In wire making at hot drawing and ribbon rolling of Dowmo, H Metal and Molybdenum. (Spool is Part No. D588 for Model No. 775-Z wire drawing machine.)
S50	Cast & Machined Aluminum	4-1/4	3-3/4	0-3/4	1-0	0-3/8	In wire making to carry tungsten and tungsten alloy wire at 13 mil down to smaller sizes. For handling wires below 1-1/2 mil D. the spool weight is reduced to approx. 240g.
S51	Machined Aluminum	4-3/4	4-1/8	0-3/8	0-1/2	4-0	For shipping magno-nickel wire for use on Kershaw type grid machine.

§ This spool, altho about same size as No. S40, is used for small size wires because it is lighter in weight and reduces amount of pull on wire.

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SUBJECT SPOOLS FOR WIRES & RIBBONS

SUPERSEDED DATE 8/24/49

Designation Number	Material	Head Diam.	Barrel Diam.	Lgth. of Traverse	Overall Length	Spindle Hole Diam.	Use in General
S60	Die Cast Plastic	2-3/8	1-7/8	1-0	1-3/16	0-3/8	For shipping 1.2 mil grid wire as H1 & N93. Also for 1.2 Downo for licensees. Can be used generally in place of S41 spool.
S61	Die Cast Plastic	4-5/8	4-0	0-11/16	0-7/8	0-3/8	For T10(2-30L) Wire (20.80±0.42 mg/200mm) This spool mfd. by Shaw Insulator Co., Irvington, N. J.
S70	Wood & Fibre-board	4-0	3-0	3-0	3-1/2	0-5/8	For channelled ribbon and as a substitute for S12 spool.
S80	Metal	3-3/4	1-3/4	3-0	3-1/4	0-5/8	For 25 and 30 mil Nipron and chrome copper side rod wire.

NOTE: Spool numbers preceded by S have been assigned by Standardizing. All other spools are also used by outside wire manufacturers and the spool numbers are commercial designations.

ENGINEERING SECTION  
 STANDARDIZING

\* S60 and 61 formerly on page 2.

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