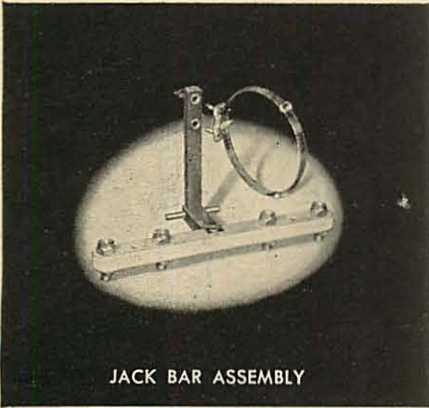
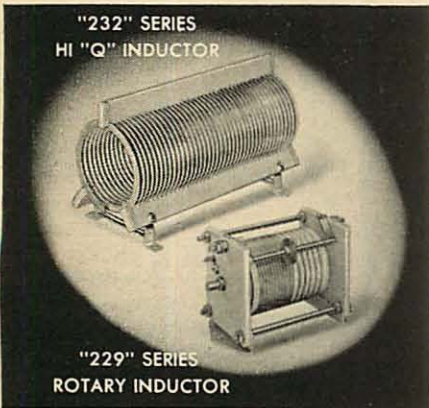


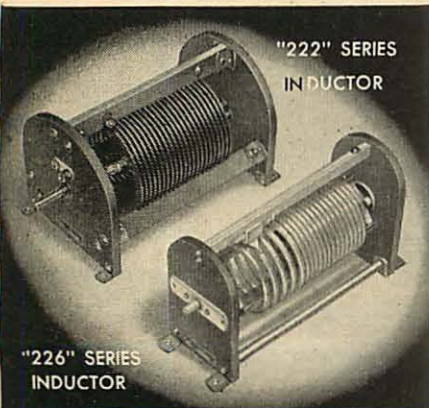
PLUG-IN INDUCTOR



JACK BAR ASSEMBLY



"232" SERIES  
HI "Q" INDUCTOR



"226" SERIES  
INDUCTOR

### SWINGING LINK INDUCTORS

Swinging link inductors for amateur bands 160 thru 6 meters; 150, 500 and 1000 watt sizes. Polystyrene insulation, steatite bases and heavy wire sizes. HCS-Inductors match high voltage, low current tubes. LCS-Inductors match low voltage, high current tubes. Complete assembly includes inductors for bands desired, Jack Bar, Link Arm Assembly and Plug-in Links required for matching to line or antenna coupler.

Cat. No.	Type No.	Wire Size	1,000 watts			Net Price
			Cap. mmf.	Height	Width	
238-106	1000HCS160	10	99	5 1/16"	4 1/2"	\$9.80
238-107	1000LCS160	10	140	5 1/16"	4 1/2"	9.80
238-101	1000HCS80	10	46	5"	3 23/32"	8.90
238-102	1000LCS80	10	73	5"	3 23/32"	8.90
238-103	1000HCS40	10	24	5"	3 23/32"	7.80
238-104	1000LCS40	8	55	5"	3 3/4"	7.80
238-105	1000HCS20	8	19	4 7/8"	3 3/4"	7.50
238-111	1000LCS20	.250"	26	5 1/8"	4"	7.50
238-112	1000H/LCS14	.250"	19	4 7/8"	3 1/2"	6.60
238-113	1000H/LCS10	.250"	18	4 7/8"	3 1/2"	6.00
<b>500 watts</b>						
238-125	500HCS160	14	100	4 7/8"	3 1/8"	6.95
238-126	500LCS160	14	148	4 7/8"	3 1/8"	6.95
238-121	500HCS80	14	45	3 23/32"	2 3/8"	6.75
238-122	500LCS80	12	76	3 3/4"	2 21/32"	6.75
238-123	500HCS40	12	27	3 3/4"	2 21/32"	6.50
238-124	500LCS40	10	50	3 23/32"	2 23/32"	6.50
238-131	500HCS20	6	25	3 13/16"	2 13/16"	5.25
238-132	500LCS20	6	37	3 13/16"	2 13/16"	5.25
238-133	500H/LCS14	6	19	3 1 1/16"	2 9/16"	4.95
238-134	500H/LCS10	6	19	3 9/16"	2 5/16"	4.50
238-135	500H/LCS6	6	18	3 9/16"	2 5/16"	4.50
<b>150 watts</b>						
238-147	150HCS160	18	102	4 3/4"	3 1/8"	4.65
238-148	150LCS160	16	151	4 7/8"	3 1/8"	4.65
238-141	150HCS80	16	51	4 7/8"	2 9/16"	4.40
238-142	150LCS80	16	68	4 7/8"	2 9/16"	4.40
238-143	150HCS40	14	28	3 23/32"	2 5/8"	4.15
238-144	150LCS40	12	57	3 3/4"	2 21/32"	4.15
238-145	150HCS20	12	21	3 1/2"	2 13/32"	3.95
238-146	150LCS20	12	32	3 1/2"	2 13/32"	3.95
238-151	150H/LCS14	8	19	3 2 1/2"	2 1/2"	3.20
238-152	150H/LCS10	8	19	3 2 1/2"	2 1/2"	2.95
238-153	150H/LCS6	8	16	3 13/32"	2"	2.95

\*Total circuit capacity to effect resonance at low frequency end of band.

To determine split-stator capacitor, subtract tube output and wiring capacity (usually 5 to 20 mmf.) from total capacity in chart; then double result for capacity per section needed.

### PLUG-IN SWINGING LINKS

Select the link to match your line, coupler or output filter for optimum power transfer.

Cat. No.	Type No.	No. Turns	Price	Cat. No.	Type No.	No. Turns	Net Price
238-181	150/500SL12	12	\$1.80	238-191	1000SL10	10	\$2.50
238-182	150/500SL5	5	1.15	238-192	1000SL5	5	1.35
238-183	150/500SL2	2	1.00	238-193	1000SL2	2	1.20

### SWINGING LINK ARM ASSEMBLIES

238-179	150/500SLA—for 150/500 watt inductors	\$1.60
238-180	1000SLA—for 1000 watt inductors	1.80

### JACK BAR ASSEMBLIES

238-171	150JBS—150 watt, 3 3/4" x 3/8" x 3/8"	\$1.15
238-172	500JBS—500 watt, 5 1/4" x 5/8" x 3/8"	1.40
238-173	1000JBS—1000 watt, 7 1/2" x 7/8" x 1/2"	2.50

### INDUCTORS

#### "232" SERIES "HI-Q" COILS—1/4" x .054" RIBBON—7 AMPS.

Copper strip, cadmium plated. Glass bonded mica support bars. Uses clip 235-804.

Cat. No.	Inductance	Current In Amps	Mounting Dimensions	Overall Dimensions			Net Price
				L	W	H	
232-610	31 uh	3	3 1/4" x 6"	7 31/32"	3 3/8"	4 5/8"	11.50
232-620	84 uh	3	3 3/4" x 7 1/8"	9 23/32"	4 1/2"	6"	14.80
232-622	41 uh	3	3 1/4" x 4 3/8"	6 19/32"	3 3/8"	5 3/8"	11.35
232-624	20 uh	3	3 1/4" x 4 1/4"	6 7/8"	3 3/4"	5 3/8"	8.85
232-626	10 uh	3	3 1/4" x 3"	4 21/32"	3 3/8"	4 5/8"	7.35

#### "229" SERIES WIRE WOUND VARIABLE INDUCTORS

Efficient, all steatite insulated variable inductors for amateur transmitters or low power commercial equipment. Variable pitch, tinned copper wire windings on grooved steatite forms. 1/4" shafts extend 1/2" on both ends. Length dimension is over mounting feet.

Cat. No.	Inductance	Current In Amps	Mounting Dimensions	Overall Dimensions			Wire Size	Net Price
				L	W	H		
229-201	10 uh	3	3 1/2" x 3"	4 3/8"	2 1/2"	2 31/32"	No. 14	\$9.50
229-202	18 uh	5	5 1/2" x 3"	5 29/32"	2 1/2"	2 31/32"	No. 12	10.50
229-203	28 uh	5	6 23/32" x 3"	7 5/32"	2 1/2"	2 31/32"	No. 12	11.50

#### "222" SERIES VARIABLE INDUCTORS—1/2" x .090" RIBBON—15 AMPS.

Excellent for medium power RF equipment where high current operation is required in minimum space. Heavy nickel plated copper ribbon windings and silver plated beryllium copper contacts with solid silver buttons. Glass bonded mica end frames and support bars. 3/8" shafts extend 1 3/4" front and rear. Length dimension is over mounting feet—does not include shaft extensions.

Cat. No.	Type No.	Inductance	Mounting Dimensions	Overall Dimensions			Wire Size	Net Price
				L	W	H		
222-1	4224MS4	25 uh	5 3/4" x 10 3/8"	11 1/8"	6 1/2"	6 3/8"	\$48.25	
222-2	4275MS4	50 uh	6 3/4" x 11 3/8"	12 3/8"	7 1/2"	7 3/8"	60.00	
222-3	4084MS6	5 uh	5 3/4" x 7 7/8"	8 3/8"	6 1/2"	6 3/8"	40.25	
222-5	4134MS6	10 uh	5 3/4" x 9 3/4"	10 1/2"	6 1/2"	6 3/8"	44.00	
222-7	4325MS4	62.5 uh	6 3/4" x 12 7/8"	13 3/8"	7 1/2"	7 3/8"	63.00	

#### "226" SERIES VARIABLE INDUCTORS—1/4" x 1/8" RIBBON—10 AMPS.

Popular for commercial and amateur use, these moving coil type inductors easily handle well over a kilowatt of plate modulated RF energy to 30 mc. Heavy silver plated conductors and silver plated contact bars and contacts. Glass bonded mica end frames and support bars. 3/8" shafts extend 3/4" front and rear. Length dimension is over mounting feet, does not include shaft extensions.

226-1	22.5 uh	3"	3" x 12 3/4"	13 1/2"	4"	6 1/2"	\$63.85
226-3	13.5 uh	3"	3" x 10 3/4"	11 1/2"	4"	6 1/2"	58.30
226-5	8 uh	3"	3" x 9 1/4"	10"	4"	6 1/2"	51.20



# E. F. Johnson Company

W A S E C A, M I N N E S O T A

## "200" SERIES FIXED COILS

Economical—compact—edgewise copper windings. Airwound with slotted, glass bonded mica supports. Construction provides exceptional current carrying capacity for size.

### "200" FIXED COILS—1/4" x .054" RIBBON—10 AMPERES

Cat. No.	Type No.	Inductance	Mounting Dimensions	Overall Dimensions			Net Price
				L	W	H	
200-101	2224N4	26 uh	2" x 8 1/8"	8 3/4"	5 1/8"	5 3/8"	\$14.10
200-107	2105N4	13 uh	2" x 5 1/8"	5 3/4"	6 5/8"	6 1/2"	10.70
200-114	2284N3	45 uh	2" x 7 7/8"	8 1/2"	5 1/8"	5 3/8"	17.90
200-105	2455N3	120 uh	2" x 11 1/4"	11 1/4"	5 1/8"	5 3/8"	24.90
200-407	2497N4	200 uh	3" x 14 1/8"	15 7/8"	7 1/2"	7 1/2"	36.10

### "200" FIXED COILS—3/8" x .072" RIBBON—15 AMPERES

200-205	3164N5	15 uh	2" x 7 5/8"	8 1/4"	5 1/8"	5 3/8"	\$13.90
200-206	3275N4	50 uh	2" x 9 3/8"	10"	6 7/8"	6 1/8"	21.80
200-211	3336N5	73 uh	2 1/2" x 12 1/8"	13 3/8"	7 1/8"	7 1/8"	27.10
200-213	3376N4	102 uh	2 1/2" x 11 7/8"	12 1/2"	7 1/8"	7 1/8"	30.40

### "200" FIXED COILS—1/2" x .090" RIBBON—20 AMPERES

200-301	4205N6	25 uh	2" x 10 5/8"	11 3/8"	7 1/8"	7"	\$27.90
200-302	4346N5	78 uh	2 1/2" x 13 3/4"	14 1/2"	8"	8"	38.40
200-303	4275N4	50 uh	2" x 9 7/8"	10 3/8"	7 1/8"	7"	31.40
200-306	4164N5	15 uh	2" x 8 1/8"	8 7/8"	6 5/8"	6"	20.00
200-308	4366N4	100 uh	2 1/2" x 12 5/8"	12 7/8"	8"	8"	40.50

Other standard inductance values available on special order.

## "202" SERIES FIXED COILS

Large surface area 1/4", 3/8" and 1/2" copper tubing wound coils provide low resistance and working temperatures for continuous high current applications. Simple, rugged "airwound" design with glass bonded mica support bars.

### "202" FIXED COILS—1/4" TUBING—20 AMPERES

Cat. No.	Type No.	Inductance	Mounting Dimensions	Overall Dimensions			Net Price
				L	W	H	
202-101	2166NT8	21 uh	2 1/2" x 14 3/8"	15 1/8"	6 1/2"	6 3/4"	\$32.10
202-401	2308NT8	76 uh	2 1/4" x 21 1/8"	21 7/8"	8 1/2"	8 1/2"	61.20
202-402	2328NT6	102 uh	2 1/4" x 18 5/8"	18 23/32"	8 1/2"	8 1/2"	58.00

### "202" FIXED COILS—3/8" TUBING—30 AMPERES

202-201	3106NT12	10 uh	2 1/2" x 13 7/8"	14 5/8"	6 3/4"	7 1/2"	\$31.60
202-502	32410NT12	64 uh	2 1/2" x 24 1/8"	24 13/16"	10 3/4"	10 3/4"	76.65
202-507	3148NT12	24 uh	2 1/4" x 16 9/16"	17 5/16"	8 3/4"	8 3/4"	46.20

### "202" FIXED COILS—1/2" TUBING—40 AMPERES

202-601	4127NT14	12 uh	1 1/2" x 16 17/32"	17 3/32"	8"	8"	\$45.75
202-602	41410NT14	30 uh	2 1/2" x 18 7/32"	19 1/32"	11"	11"	67.00
202-604	4147NT14	18 uh	1 1/2" x 18 7/32"	19 1/32"	8"	8"	51.00

## CLIPS FOR TAPPING "200", "202", AND "232" SERIES INDUCTORS

Cat. No.	Type No.	Fits Winding	Net Price
235-804	LC4	1/4" x .054"	\$0.26
235-807	LC7	3/8" x .072"	.45
235-808	LC8	1/2" x .090"	.65
235-824	RC4	1/4" tubing	1.55
235-826	RC6	3/8" tubing	1.65
235-828	RC8	1/2" tubing	1.94
235-860	WC1	No. 20 to No. 12 Wire	.12

## "224" SERIES VARIABLE INDUCTORS

For high power RF applications, the 224 series copper tubing inductors are especially designed to handle heavy current in continuous duty. Contact wheel is heavily silver plated for optimum electrical efficiency. Inductors have cast aluminum end frames and glass bonded mica support bars. 3/8" shafts extended 2 1/4" from end frames at each end. Overall length dimension includes mounting feet.

### "224" VARIABLE INDUCTORS—3/8" TUBING—30 AMPERES

Cat. No.	Type No.	Inductance	Mounting Dimensions	Overall Dimensions			Net Price
				L	W	H	
224-3	3168MST10	30 uh	8 1/2" x 19 1/8"	20 5/8"	12"	12 1/8"	\$156.50
224-4	3108MST12	14.5 uh	8 1/2" x 16 3/8"	18 1/8"	12"	12 1/8"	148.00
224-6	32111MST12	75 uh	8 1/2" x 24 7/8"	26 3/8"	12"	12 1/8"	172.50

### "224" VARIABLE INDUCTORS—1/2" TUBING—40 AMPERES

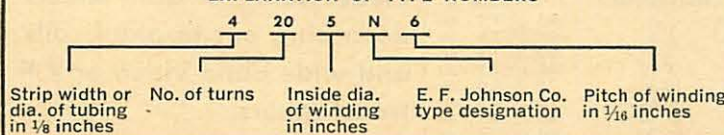
224-1	41410MST14	30 uh	8 1/2" x 21 3/8"	22 7/8"	12"	12 1/8"	\$185.00
224-2	4128MST14	16.5 uh	8 1/2" x 19 3/8"	21 1/8"	12"	12 1/8"	158.00
224-5	41711MST14	50 uh	8 1/2" x 24"	25 1/2"	12"	12 1/8"	189.75

## R. F. CONTACTORS

Contactors for switching high voltage, high current RF or DC. Operated by momentarily energized 220 VAC solenoids (may also be connected for 110 VAC), toggle action contacts snap into position; no holding current is required. Extremely compact for voltage ratings; overall dimensions of 145-100 series 7 7/8" long, 6 1/2" wide, 5 1/2" high; of 145-200 series, 10 1/2" long, 8 1/4" wide, 6 3/16" high. Four auxiliary micro snap switches (10 amp. at 220 VAC), actuated by contact armature. Two control solenoid voltage, two may be used to operate signaling devices or for other related functions.

Cat. No.	Type	Peak Voltage	Current	Net Price
145-101-13	SPDT	17000	25 amp.	\$106.00
145-102-13	DPDT	17000	25 amp.	116.00
145-201-13	SPDT	22000	25 amp.	125.00
145-202-13	DPDT	22000	25 amp.	134.00

### EXPLANATION OF TYPE NUMBERS



NOTE: Except on amateur inductors, current ratings shown are nominal for broadcast frequencies; will increase at lower frequency—decrease at higher frequencies. For complete information and specifications on Johnson Industrial and Broadcast RF Components—write for your copy of Catalog 535.

