Physical dimensions

Core Size	Outer Diam. (in.)	Inner Diam. (in.)	Height (in.)	Cross Sect. Area cm^2	Mean Length cm
T-200	2.000	1.250	.550	1.330	12.97
T-184	1.840	.950	.710	2.040	11.12
T-157	1.570	.950	.570	1.140	10.05
T-130	1.300	.780	.437	.930	8.29
T-106	1.060	.560	.437	.706	6.47
T- 94	.942	.560	.312	.385	6.00
T- 80	.795	.495	.250	.242	5.15
T- 68	.690	.370	.190	.196	4.24

Core Size	Outer Diam. (in.)	Inner Diam. (in.)	Height (in.)	Cross Sect. Area cm^2	Mean Length cm
T -50	.500	.303	.190	.121	3.20
T- 44	.440	.229	.159	.107	2.67
T- 37	.375	.205	.128	.070	2.32
T- 30	.307	.151	.128	.065	1.83
T- 25	.255	.120	.096	.042	1.50
T- 20	.200	.088	.067	.034	1.15
T- 16	.160	.078	.060	.016	0.75
T- 12	.125	.062	.050	.010	0.74

IRON POWDER TOROIDAL CORES — A_L VALUES (uh/100 turns) — ALL STOCK ITEMS

CORE SIZE	41-Mix Green u=75 *	3-Mix Grey u=35 .05 - .5 MHz	15-Mix Rd & Wh u=25 .1 - 2 MHz	1-Mix Blue u=20 .5 - 5 MHz	2-Mix Red u=10 1 - 30 MHz	6-Mix Yellow u=8 10 - 90 MHz	10-Mix Black u=6 60 - 150 MHz	12-Mix Gn & Wh u=3 100 - 200 MHz	0-Mix Tan u=1 150 - 300 MHz
T-200 --	755	360	NA	NA	120	105	NA	NA	NA
T-184 --	1640	720	NA	NA	240	195	NA	NA	NA
T-157 --	970	420	NA	NA	140	115	NA	NA	NA
T-130 --	785	330	215	200	110	96	NA	NA	15.0
T-106 --	900	405	330	280	135	116	NA	NA	19.2
T- 94 --	590	248	NA	160	84	70	58	32	10.6
T- 80 --	450	180	170	115	55	45	34	22	8.5
T- 68 --	420	195	180	115	57	47	32	21	7.5
T- 50 --	320	175	135	100	50	40	31	18	6.4
T- 44 --	229	180	160	105	57	42	33	NA	6.5
T- 37 --	308	110	90	80	42	30	25	15	4.9
T- 30 --	375	110	93	85	43	36	25	16	6.0
T- 25 --	225	100	85	70	34	27	19	13	4.5
T- 20 --	175	90	65	52	27	22	16	10	3.5
T- 16 --	130	61	NA	44	22	19	13	8	3.0
T- 12 --	112	60	NA	48	24	19	12	7.5	3.0

NA - Not available in that size. * See Magnetic Properties Chart. Turns = $100\sqrt{\text{desired L (uh)} \div A_L \text{ Value (above)}}$

Add MIX number to CORE SIZE in space provided (--) for complete part number. All frequency figures optimum

NUMBER of TURNS vs. WIRE SIZE and CORE SIZE

Approximate maximum number of turns — single layer wound — enamelled wire.

Wire Size	T-200	T-130	T-106	T-94	T-80	T-68	T-50	T-37	T-25	T-12
10	33	20	12	12	10	6	4	1		
12	43	25	16	16	14	9	6	3		
14	54	32	21	21	18	13	8	5	1	
16	69	41	28	28	24	17	13	7	2	
18	88	53	37	37	32	23	18	10	4	1
20	111	67	47	47	41	29	23	14	6	1
22	140	86	60	60	53	38	30	19	9	2
24	177	109	77	77	67	49	39	25	13	4
26	223	137	97	97	85	63	50	33	17	7
28	281	173	123	123	108	80	64	42	23	9
30	355	217	154	154	136	101	81	54	29	13
32	439	272	194	194	171	127	103	68	38	17
34	557	346	247	247	218	162	132	88	49	23
36	683	424	304	304	268	199	162	108	62	30
38	875	544	389	389	344	256	209	140	80	39
40	1103	687	492	492	434	324	264	178	102	51

Actual number of turns may differ slightly according to winding technique, *Chart prepared by Michael J. Gordon Jr. - WB9HFC*