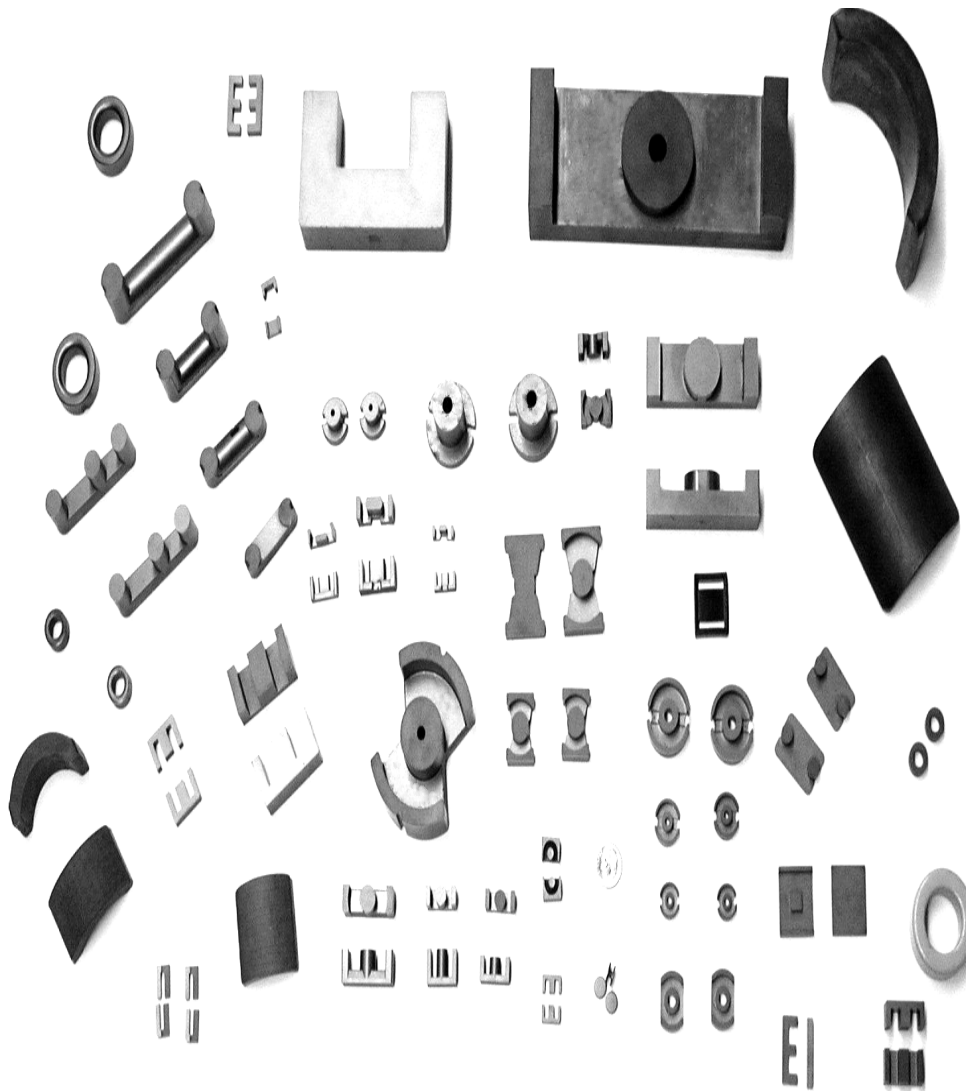


FERRITE INTERNATIONAL

A TSC INTERNATIONAL COMPANY

FERRITE CORE SIZE / SHAPE CATALOG



ORDERING AND PART NUMBERS	1
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EE 40 – 50mm	6
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CUSTOM	29
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PART NUMBERS

XXXXX	-	AAA	-	BBB	-	FFF	-	FINISHING CODE
-------	---	-----	---	-----	---	-----	---	----------------

MATERIAL GRADE	Typically "A" or Overall Length Dimension Rounded [mm]	Typically "B" or Ground Height Dimension Rounded [mm]	Typically "F" or Overall Thickness Dimension Rounded [mm]	An index number assigned by our application engineer to indicate gap, finishing or other requirements after firing.
----------------	--	---	---	---

7070	5000				
7099	N001				
50ALL	5KHF	01-999	01-999	01-999	'0000-ZZZZ
8040	7000				
5099	010K				

7070 - **19** - **08** - **05** - **0999**

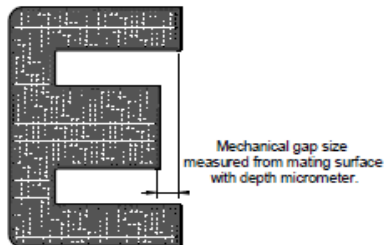
7070 material, Tooled size = 19-08-05, 0999 is red striped 0.012" gap with extra packaging for overseas shipment.
 "TSF- " May or may not precede Part Number indicating manufacturer "Tempel Smith Ferrite"

ORDERING CORES WITH A CENTER LEG GAP.

3 ways a Gap can be specified:

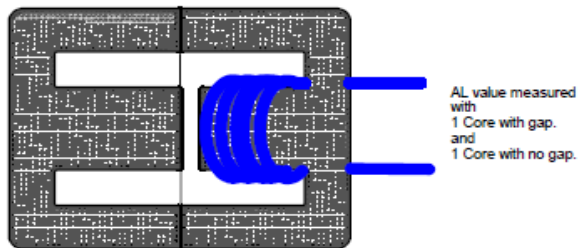
MECHANICAL GAP

Typical Tolerance is +/- 0.001" or +/- 0.025mm



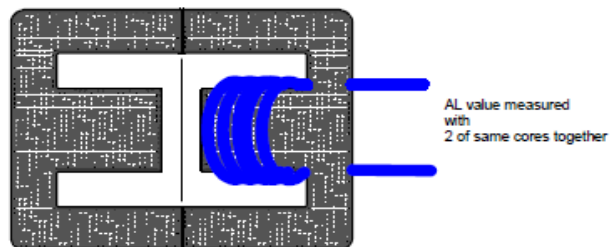
1 CORE GAP - One with Gap and One with no gap

AL Value, Gauss / Frequency / Test Coil Are specified



2 CORE GAP - Two of same core with gap.

AL Value, Gauss / Frequency / Test Coil Are specified



ORDER STOCK PARTS ONLINE AT:

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MATERIAL SURVEY

A DETAILED FERRITE MATERIAL GUIDE IS AVAILABLE AT WWW.TSCINTERNATIONAL.COM

LOW LOSS MATERIALS

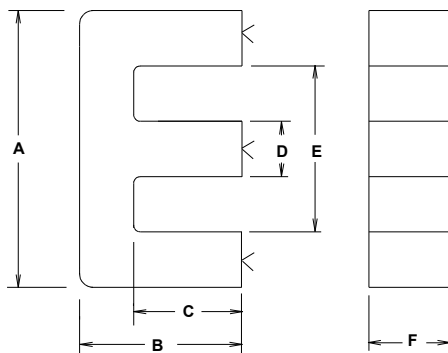
Name	CATALOG #	DESCRIPTION	Typical Applications	Optimal Temperature	Typical Values		Bsat gauss
					FREQ	PERM	
FLATLINE	50ALL	Temperature stable properties.	Automotive, Military, Aerospace Transformers, Output Inductors	25c-100c	< 500Khz	3000	5000
	HB99	Higher Bsat at elevated temperatures	Under development.	100c	< 500Khz	1700	5000
	PC08	Low Core Loss near 750Khz	Under development.	100c	< 1Mhz	1700	5000
	7070	Low Loss Power Material	An Industry standard for Low Loss Applications.	70c	<300Khz	2200	5000
	5099	Low Loss Power Material	Lower Loss 100c power material	100c	<300Khz	2000	5000
	7099	Power Material	An Industry standard for Low Loss Applications.	100c	<300Khz	2000	5000
	8040	Power Material / Higher Perm	Higher Inductance Power Applications	40-50c	<500Khz	3000	5000
CRAZYHORSE	N001	Higher frequency and better large core performance, lowest losses.	High power Transformers and Inductors.	100c	< 500Khz	2000	5000

HIGH PERM MATERIALS

Name	CATALOG #	DESCRIPTION	Typical Applications	Tc	Typical Values		Bsat gauss
					FREQ	PERM	
	5099	Low Loss Power Material	Higher Power Filter applications	>210c	<300Khz	2000	5000
	8040	Power Material / Higher Perm	Higher Power Filter applications	>210c	<500Khz	3000	5000
	5000	5000 Perm Material	Lower frequency Filters	>170c	<100Khz	5000	4300
	5KHF	5000 Perm extended Frequency	Higher frequency Filters also Lower Losses	>170c	<1Mhz	5000	4300
	7000	7000 Perm Material	Filters	>170c	<100Khz	7000	4300

EE CORES 1

2014-R1

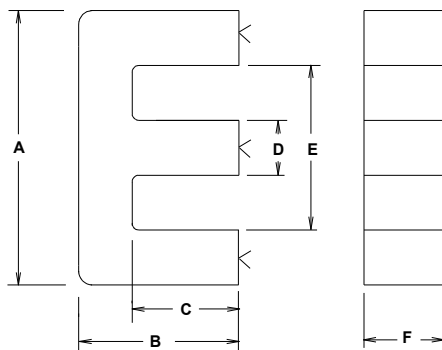


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Catalog # Common Name	Dimensions [mm]								L_e mm	A_e mm ²	V_e mm ³	W_a mm ²	$W_a A_e$ mm ⁴	Set Weight Grams	No gap AL value +/- 25%			
	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.							5099 7099 N001	7070	8040 50ALL	5kHF 5000
10-06-05	10.24 0.21	5.59 0.13	4.19 0.16	2.44 0.05	7.85 0.16	4.75 0.10			26.2	11.9	311	22.7	270	1.58	955	1,060	1,305	1,445
12-08-04	12.32 0.25	7.75 0.13	5.59 0.17	2.67 0.05	8.00 0.16	4.32 0.09			32.1	14.5	464	29.8	430	2.74	950	1,040	1,300	1,440
13-06-03	12.70 0.25	5.69 0.13	4.09 0.16	3.18 0.06	9.53 0.19	3.18 0.06			27.7	10.1	280	26.0	260	1.42	750	850	1,050	1,170
13-06-04 EF 12.6	12.70 0.25	6.40 0.13	4.65 0.16	3.66 0.07	9.04 0.18	3.61 0.07			29.6	13.0	386	25.0	330	1.96	935	1,075	1,360	1,510
13-06-06	12.70 0.25	5.69 0.13	4.09 0.16	3.18 0.06	9.53 0.19	6.35 0.13			27.7	20.2	560	26.0	520	2.84	1,550	1,715	2,110	2,470
16-07-05 EE16	16.00 0.30	7.26 0.13	5.18 0.16	3.99 0.08	11.71 0.23	4.80 0.10			34.8	19.6	684	40.0	790	3.48	1,290	1,440	1,818	2,240
16-08-05 EF 16	16.10 0.32	8.05 0.13	5.89 0.17	4.55 0.09	11.68 0.23	4.50 0.09			37.6	19.9	750	42.1	840	3.81	1,210	1,340	1,650	2,085
16-08-08	16.10 0.32	8.05 0.13	5.89 0.17	4.55 0.09	11.68 0.23	7.87 0.16			37.6	34.9	1,313	42.1	1,470	6.66	2,235	2,485	3,145	4,000
19-07-05	19.05 0.38	7.595 0.13	5.23 0.17	4.75 0.10	14.33 0.29	4.75 0.10			37.9	22.5	853	50.1	1,130	4.34	1,380	1,530	1,935	2,430
19-08-05 E187	19.05 0.38	8.05 0.13	5.69 0.17	4.75 0.10	14.33 0.29	4.75 0.10			39.8	22.5	894	54.5	1,220	4.54	1,310	1,450	1,815	2,345
19-08-09	19.05 0.38	8.05 0.13	5.69 0.17	4.75 0.10	14.33 0.29	8.71 0.17			39.8	41.2	1,640	54.5	2,250	8.32	2,400	2,650	3,330	4,680

EE CORES 2

2014-R1

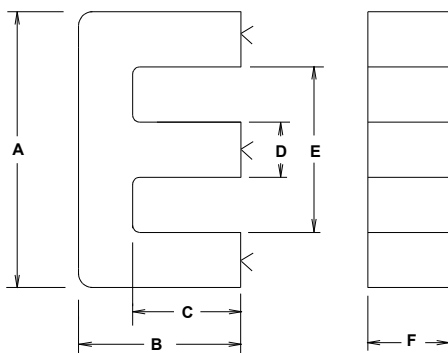


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Catalog # Common Name	Dimensions [mm]								L _e mm	A _e mm ²	V _e mm ³	W _a mm ²	W _a A _e mm ⁴	Set Weight Grams	No gap AL value +/- 25%			
	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.							5099 7099 N001	7070	8040 50ALL	5kHF 5000
20-10-06 EF 20	19.99 0.40	9.91 0.13	7.19 0.18	5.69 0.11	14.38 0.29	5.64 0.11			46.1	31.5	1,454	52.5	1,620	7.273	1,625	1,780	2,280	2,960
20-10-10	19.99 0.40	9.91 0.13	7.19 0.18	5.69 0.11	14.38 0.29	8.79 0.18			46.1	49.1	2,265	62.4	3,070	11.51	2,590	2,875	3,645	4,860
25-10-06 E2425	25.40 0.51	9.65 0.13	6.60 0.19	6.35 0.13	19.23 0.39	6.35 0.13			49.0	39.4	1,928	85.0	3,350	9.82	1,935	2,100	2,690	3,465
25-10-13	25.40 0.51	9.65 0.13	6.60 0.19	6.35 0.13	19.23 0.39	12.70 0.25			49.0	78.7	3,856	85.0	6,690	19.64	3,850	4,225	5,380	6,900
25-12-06	25.40 0.51	11.94 0.13	8.89 0.19	6.35 0.13	19.23 0.39	6.35 0.13			58.1	39.4	2,291	114.5	4,510	11.58	1,625	1,780	2,285	2,990
25-13-07 EF 25	25.05 0.50	12.55 0.13	8.95 0.20	7.25 0.15	17.98 0.36	7.19 0.14			57.8	51.7	2,983	95.6	4,940	15.18	2,175	2,415	2,995	4,070
25-13-10	25.05 0.50	12.55 0.13	8.95 0.20	7.25 0.15	17.98 0.36	10.74 0.22			57.8	77.2	4,459	95.6	7,380	22.69	3,270	3,640	4,610	6,210
25-16-06 EL2425	25.40 0.51	16.00 0.13	12.83 0.19	6.35 0.13	19.23 0.39	6.35 0.13			74.1	39.9	2,954	165.2	6,590	14.708	1,315	1,450	1,830	2,325
25-16-13	25.40 0.51	16.00 0.13	12.83 0.19	6.35 0.13	19.23 0.39	12.70 0.25			74.1	79.8	5,908	165.2	13,180	29.60	2,635	2,900	3,650	4,650
28-11-11	27.99 0.56	10.54 0.13	5.69 0.23	7.70 0.15	19.30 0.39	11.18 0.22			48.1	96.7	4,651	66.0	6,390	24.72	4,950	5,420	6,820	8,665
28-12-09	27.94 0.56	12.14 0.13	8.13 0.21	8.89 0.18	19.94 0.40	8.89 0.18			56.4	73.6	4,151	89.8	6,610	21.42	3,200	3,555	4,502	5,750

EE CORES 3

2014-R1

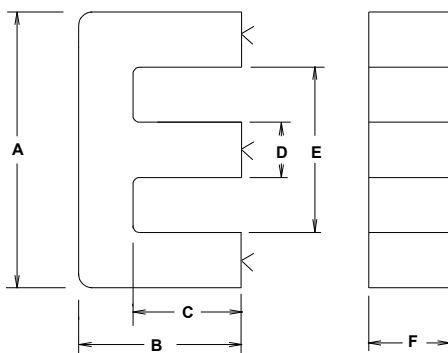


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Catalog # Common Name	Dimensions [mm]								L _e mm	A _e mm ²	V _e mm ³	W _a mm ²	W _a A _e mm ⁴	Set Weight Grams	No gap AL value +/- 25%			
	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.							5099 7099 N001	7070	8040 50ALL	5kHF 5000
30-13-08	30.10 0.60	13.13 0.13	8.13 0.23	10.69 0.21	20.35 0.41	8.13 0.16			58.0	82.4	4,774	78.5	6,460	24.87	3,485	3,870	4,905	6,250
30-13-11 EE 30/11	30.10 0.60	13.13 0.13	8.13 0.23	10.69 0.21	20.35 0.41	10.69 0.21			58.0	108.3	6,281	78.5	8,500	32.73	4,500	4,975	6,440	8,050
30-14-09 EE 30.5	30.48 0.61	13.36 0.13	9.04 0.21	9.22 0.18	22.30 0.45	9.22 0.18			62.7	79.7	4,998	118.3	9,430	25.74	3,115	3,460	4,380	5,475
30-15-07 EE 30/15	30.00 0.60	14.91 0.13	10.13 0.22	6.86 0.14	20.12 0.40	6.91 0.14			66.1	57.3	3,785	134.4	7,700	20.752	2,105	2,330	2,940	4,035
30-17-07	30.00 0.60	17.22 0.13	12.45 0.22	6.86 0.14	20.12 0.40	6.91 0.14			75.0	56.9	4,266	165.0	9,390	23.46	1,840	2,035	2,590	3,440
30-21-11 EL 30/11	30.00 0.60	21.26 0.13	16.26 0.23	10.69 0.21	19.99 0.40	10.69 0.21			90.2	109.8	9,904	151.1	16,590	50.27	2,990	3,260	4,125	5,675
32-16-09 EF 32	32.11 0.64	16.10 0.13	11.61 0.22	9.19 0.18	23.32 0.47	9.15 0.18			74.7	82.2	6,134	163.9	13,470	31.19	2,695	2,950	3,735	5,100
32-16-11	32.11 0.64	16.10 0.13	11.61 0.22	9.19 0.18	23.32 0.47	10.64 0.21			74.7	95.6	7,139	163.9	15,670	36.30	3,145	3,495	4,425	5,970
33-14-13	33.2 0.66	14.15 0.13	9.65 0.22	9.8 0.20	2.42 0.48	12.7 0.25			67.3	117.5	7,912	138.8	16,300	40.60	4,290	4,770	6,040	8,175
34-14-09 E375	34.32 0.69	14.12 0.13	9.78 0.21	9.32 0.19	26.04 0.52	9.32 0.19			69.4	81.3	5,646	163.4	13,290	28.92	2,870	3,230	4,050	5,450
34-14-13	34.32 0.69	14.12 0.13	9.78 0.21	9.32 0.19	26.04 0.52	12.70 0.25			69.4	110.8	7,693	163.4	18,110	39.40	3,925	4,410	5,520	7,425
35-18-13 EF35	35 0.70	17.5 0.13	12.5 0.23	10 0.20	24.99 0.50	10 0.20			80.7	100.2	8,082	187.3	18,760	41.11	3,045	3,385	4,285	5,780
35-24-10 EL375	34.93 0.70	23.80 0.13	19.05 0.22	9.53 0.19	25.58 0.51	9.53 0.19			107.1	90.0	9,640	305.8	27,520	48.34	2,055	2,320	2,910	3,880
36-19-09	35.56 0.71	19.05 0.13	13.08 0.25	12.45 0.25	24.13 0.48	9.32 0.19			82.7	111.0	9,176	152.8	16,970	47.24	3,300	3,670	4,645	6,275

EE CORES 4

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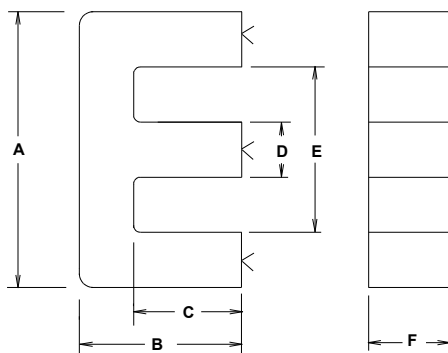


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Catalog # Common Name	Dimensions [mm]								L _e mm	A _e mm ²	V _e mm ³	W _a mm ²	W _a A _e mm ⁴	Set Weight Grams	No gap AL value +/- 25%			
	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.							5099 7099 N001	7070	8040 50ALL	5kHF 5000
40-17-11 EE40	40.01 0.80	16.99 0.13	10.26 0.26	10.69 0.21	28.02 0.56	10.69 0.21			77.3	127.4	9,850	177.8	22,650	51.86	4,055	4,500	5,695	7,725
41-16-06	40.64 0.81	16.48 0.13	10.54 0.25	12.45 0.25	29.08 0.58	6.35 0.13			77.5	75.8	5,878	175.4	13,300	30.34	2,390	2,705	3,380	4,515
41-16-12 E21	40.64 0.81	16.48 0.13	10.54 0.25	12.45 0.25	29.08 0.58	12.45 0.25			77.5	148.7	11,521	175.4	26,070	59.46	4,725	5,300	6,630	9,185
41-16-13	40.64 0.81	16.48 0.13	10.54 0.25	12.45 0.25	29.08 0.58	12.70 0.25			77.5	151.7	11,754	175.4	26,600	60.67	4,825	5,400	6,755	9,360
42-21-15 E 42/15	41.99 0.84	20.90 0.13	15.16 0.24	11.84 0.24	30.10 0.60	15.44 0.31			97.2	181.5	17,644	276.9	50,250	89.62	4,600	5,155	6,570	8,795
42-21-20 E 42/20	41.99 0.84	20.90 0.13	15.16 0.24	11.84 0.24	30.10 0.60	19.61 0.39			97.2	230.4	22,404	276.9	63,810	113.80	5,845	6,555	8,340	11,165
42-33-20	42.29 0.85	32.59 0.13	26.49 0.25	11.94 0.24	30.20 0.60	19.51 0.39			143.2	235.0	33,661	483.8	113,700	168.54	4,045	4,495	5,775	7,720
43-21-15	42.85 0.86	21.11 0.13	15.14 0.25	11.89 0.24	30.96 0.62	15.44 0.31			98.3	183.8	18,075	288.8	53,080	91.85	4,605	5,180	6,600	8,790
43-21-20	42.85 0.86	21.11 0.13	15.14 0.25	11.89 0.24	30.96 0.62	19.61 0.39			98.3	233.4	22,951	288.8	67,390	116.62	5,855	6,575	8,370	11,185
43-21-22	42.85 0.86	21.11 0.13	15.14 0.25	11.89 0.24	30.96 0.62	22.23 0.45			98.3	264.5	26,013	288.8	76,390	132.18	6,640	7,435	9,485	12,685
46-19-09	46.36 0.93	18.54 0.13	11.43 0.27	15.88 0.32	32.13 0.64	9.4 0.19			84.8	138.3	11,726	185.8	25,700	61.16	4,015	4,460	5,650	7,650
47-21-16 E625	46.86 0.94	19.63 0.13	12.19 0.28	15.62 0.31	32.26 0.65	15.62 0.31			88.9	234.6	20,858	202.8	47,590	108.24	6,510	7,290	9,290	12,440
47-21-32	46.86 0.94	19.63 0.13	12.19 0.28	15.62 0.31	32.26 0.65	31.24 0.63			88.9	469.0	41,715	202.8	95,080	216.47	13,030	14,480	18,350	24,940
49-23-11	48.77 0.98	22.86 0.13	15.24 0.28	15.75 0.32	33.71 0.67	11.3 0.23			103.0	173.9	17,859	273.7	47,470	91.84	4,150	4,625	5,840	7,920

EE CORES 5

2014-R1

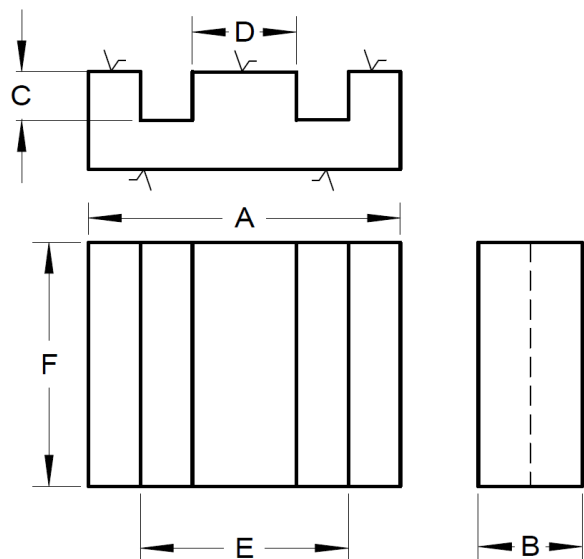


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Catalog #	Dimensions [mm]								L _e	A _e	V _e	W _a	W _a A _e	Set Weight	No gap AL value +/- 25%			
	A	B	C	D	E	F	G	H							5099 7099 N001	7070	8040 50ALL	5kHF 5000
Common Name	+/- tol.	+/- tol.	+/- tol.	+/- tol.	+/- tol.	+/- tol.	+/- tol.	+/- tol.	mm	mm^2	mm^3	mm^2	mm^4	Grams				
55-28-21 E 55/21	55.12 1.10	27.51 0.13	18.80 0.30	16.94 0.34	38.10 0.76	20.70 0.41			123.4	354.0	43,668	397.7	140,790	223.67	7,085	7,930	10,100	13,545
55-28-25 E 55/25	55.12 1.10	27.51 0.13	18.80 0.30	16.94 0.34	38.10 0.76	25.40 0.51			123.4	434.4	53,580	397.7	172,750	274.44	8,695	9,735	12,390	16,630
55-28-31	55.12 1.10	27.51 0.13	18.80 0.30	16.94 0.34	38.10 0.76	30.94 0.62			123.4	529.1	65,261	397.7	210,400	334.27	10,595	11,770	14,910	20,265
55-28-42	55.12 1.10	27.51 0.13	18.80 0.30	16.94 0.34	38.10 0.76	40.89 0.82			123.4	699.3	86,264	397.7	278,120	441.85	14,000	15,720	19,900	26,795
56-24-19	56.13 1.12	23.60 0.13	14.61 0.31	18.80 0.38	38.61 0.77	18.80 0.38			106.5	339.8	36,202	289.4	98,320	187.96	7,875	8,820	11,220	15,055
59-25-19	58.72 1.17	24.69 0.13	14.61 0.33	18.39 0.37	38.56 0.77	18.67 0.37			109.4	364.2	39,937	294.5	107,270	208.35	8,220	8,820	11,200	15,720
65-33-27	65.15 1.30	32.51 0.13	22.61 0.25	19.66 0.39	44.66 0.90	27.10 0.54			147.1	539.0	79,273	565.3	304,670	203.82	9,062	10,069	12,754	17,333
70-54-32	69.85 1.40	53.98 0.13	42.85 0.35	22.23 0.45	47.65 0.95	31.75 0.64			231.8	705.5	163,488	1,089.5	768,580	822.18	7,520	8,275	10,580	14,380
71-33-20	70.49 1.41	32.94 0.13	22.25 0.34	21.64 0.43	48.74 0.98	20.30 0.41			149.9	438.4	65,727	603.0	264,350	337.01	7,220	8,020	10,160	13,800
71-33-32	70.49 1.41	32.94 0.13	22.25 0.34	21.64 0.43	48.74 0.98	31.6 0.63			149.9	682.5	102,337	603.0	411,580	524.70	11,245	12,495	15,825	21,510
72-28-19	72.39 1.45	27.94 0.13	18.03 0.33	19.05 0.38	53.34 1.07	19.05 0.38			136.9	368.0	50,379	618.4	227,540	258.40	6,635	7,450	9,485	12,685
80-38-20 E80	80.01 1.60	38.10 0.13	28.19 0.33	19.81 0.40	60.20 1.20	19.81 0.40			184.3	392.5	72,334	1,138.6	446,930	365.49	5,260	5,880	7,110	10,050
80-38-33	80.01 1.60	38.10 0.13	28.19 0.33	19.81 0.40	60.20 1.20	33.00 0.66			184.3	654.2	120,550	1,138.6	744,830	608.33	8,767	9,800	11,850	16,750
100-59-21	100.28 2.01	59.44 0.13	46.86 0.25	27.48 0.25	72 min	20.62 0.55			274.8	551.2	72,334	2,086.2	1,149,917	365.49	4,967	5,464	7,451	12,418
100-59-28 E100	100.28 2.01	59.44 0.13	46.86 0.25	27.48 0.25	72 min	27.48 0.55			274.8	734.5	201,856	2,086.2	1,532,319	365.49	6,621	7,283	9,325	16,553

PLANAR EE CORES

2014-R1

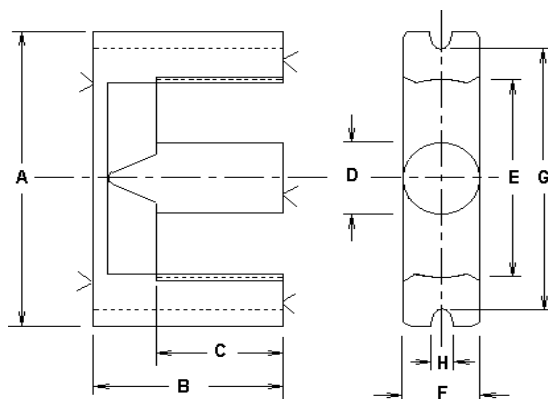


The "C" & "B" dimension can be made smaller than specified , Call for "B&C"
Dimension larger than specified. The "F" dimension may be adjusted in most cases.

Catalog # Common Name	Dimensions [mm]								L_e mm	A_e mm ²	V_e mm ³	W_a mm ²	$W_a A_e$ mm ⁴	Set Weight Grams	No gap AL value +/- 25%		
	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.							5099 7099 N001	7070	8040 50ALL
14-04-05	14.00 0.28	3.50 0.13	2.00 0.13	3.00 0.05	11.00 0.23	5.00 0.10			20.7	15.0	311	16.0	240	1.60	1,309	1,440	1,963
18-04-10	18.00 0.36	3.99 0.13	1.98 0.13	3.99 0.07	14.00 0.28	10.00 0.20			24.2	40.1	971	19.8	795	5.03	3,244	3,569	4,866
22-06-17	21.59 0.43	5.72 0.13	3.30 0.13	5.08 0.10	16.51 0.33	15.88 0.33			32.4	78.7	2,549	37.7	2,968	13.1	5,189	5,708	7,784
32-06-20	31.80 0.64	6.35 0.13	3.18 0.13	6.35 0.13	25.40 0.51	20.32 0.41			41.7	129.2	5,395	60.6	7,827	27.8	6,613	7,274	9,919
36-07-18	35.56 0.71	6.53 0.13	2.79 0.13	7.62 0.15	27.74 0.55	17.78 0.36			43.3	134.6	5,835	56.2	7,565	46.2	6,719	7,391	10,078
38-08-25	38.10 0.76	8.26 0.13	4.45 0.13	7.60 0.20	30.84 0.61	25.40 0.51			52.7	191.3	10,079	103.4	19,784	51.5	7,846	8,630	11,769
43-10-28	43.20 0.90	9.50 0.13	5.40 0.13	8.10 0.20	35.50 0.80	27.90 0.60			61.1	229.0	14,000	148.0	33,883	70.3	Call		
58-11-38	58.40 1.17	10.50 0.13	6.50 0.13	8.10 0.20	51.02 1.02	38.10 0.80			80.6	308.0	24,600	279.0	85,927	124.0	Call		
64-10-50	64.00 1.30	10.20 0.13	5.10 0.13	10.20 0.20	53.60 1.10	50.80 1.10			79.9	519.0	41,500	221.3	114,875	210.0	Call		
102-20-38	102.01 1.02	20.29 0.15	13.16 0.15	13.97 0.28	86.74 1.73	37.49 0.41			148.4	539.5	80,039	957.5	516,551	415.0	7,858	8,643	11,787

EEC CORES

2014-R1

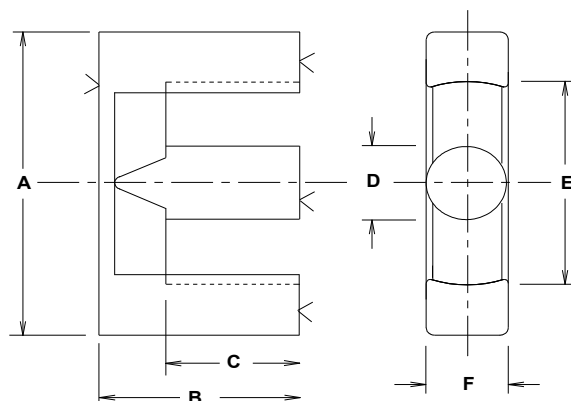


The "B" & "C" dimension can be made smaller than specified , Call for "B&C"
Dimension larger than specified.

Catalog # Common Name	Dimensions [mm]								L_e mm	A_e mm ²	V_e mm ³	W_a mm ²	$W_a A_e$ mm ⁴	Set Weight Grams	No gap AL value +/- 25%		
	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.							5099 7099 N001	7070	8040 50ALL
35-17-10 EC35	34.50 0.80	17.30 0.15	12.25 0.35	9.50 0.30	22.75 0.55	9.50 0.30	28.50 0.80		77	84	6500	162	13,634	36.0	CALL		
41-20-12 EC41	40.60 1.00	19.50 0.15	13.90 0.40	11.60 0.30	27.05 0.75	11.60 0.30	33.60 1.00		89	121	10900	215	25,985	56.0	CALL		
52-24-13 EC52	52.20 1.30	24.20 0.15	15.90 0.40	13.40 0.35	33.00 0.90	13.40 0.35	44.00 1.30		105	180	18800	312	56,095	110.0	CALL		
70-35-16 EC70	70.00 1.70	34.50 0.15	22.75 0.45	16.40 0.40	44.50 1.20	16.40 0.40	59.60 1.70		144	279	40000	639	178,358	252.0	4,310	4,800	6,465
70-30-16 EC70S	70.00 1.70	29.80 0.15	23.00 0.40	16.40 0.40	44.50 1.20	16.40 0.40	59.60 1.70		137	242	33600	646	156,405	216.0	CALL		

EER CORES

2014-R1



The "B" & "C" dimension can be made smaller than specified , Call for "B&C"
Dimension larger than specified.

Catalog # Common Name	Dimensions [mm]								L_e mm	A_e mm ²	V_e mm ³	W_a mm ²	$W_a A_e$ mm ⁴	Set Weight Grams	No gap AL value +/- 25%		
	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.							5099 7099 N001	7070	8040 50ALL
29-14-11 EER28	28.55 0.57	14.00 0.13	9.65 0.21	9.91 0.20	21.64 0.43	11.40 0.25			64	87	5567	113	9,920	35.1	3,380	3,760	4,760
29-17-11 EER28L	28.55 0.57	16.89 0.13	12.52 0.21	9.91 0.20	21.64 0.43	11.40 0.25			75	87	6495	147	12,730	41.1	2,835	3,150	3,985
EER35	35.00 0.90	20.30 0.20	14.80 0.40	11.30 0.35	26.40 0.90	11.30 0.40			86	107	9300	223	23,912	50.0	CALL		
EER35L	35.00 0.90	21.20 0.20	15.50 0.40	11.30 0.35	26.40 0.90	11.30 0.40			93	108	10030	234	25,301	51.6	CALL		
39-18-13 EER39	39.10 0.90	17.80 0.20	12.60 0.40	12.52 0.30	30.10 0.80	12.50 0.30			84	125	10530	222	27,689	56.0	3,800	4,180	5,700
39-22-13 EER39L	39.10 0.90	22.20 0.20	17.00 0.40	12.52 0.30	30.10 0.80	12.50 0.30			101	125	12700	299	37,358	66.9	3,080	3,388	4,620
EER45	45.10 0.90	17.30 0.20	11.00 0.25	17.75 0.25	33.65 0.65	17.75 0.25			80	238	18910	175	41,626	96.0	CALL		
EER45B	45.10 0.90	22.30 0.20	16.60 0.25	16.70 0.30	33.65 0.65	17.75 0.25			100	221	22030	281	62,183	120.0	CALL		
EER48	48.00 1.00	21.00 0.20	15.00 0.30	18.00 0.30	38.00 0.80	20.90 0.40			99	253	24935	300	75,900	140.0	5,200	5,720	7,800
EER54	53.50 1.00	18.30 0.20	11.40 0.30	17.90 0.40	40.65 0.85	17.95 0.35			90	255	22900	259	66,134	120.0	CALL		
EER55	55.20 1.10	28.40 0.40	19.15 0.45	20.60 0.40	42.20 0.85	24.70 0.40			123	330	40600	414	136,501	200.0	CALL		

PLANAR ER CORES

2014-R1

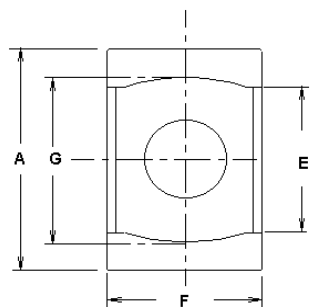


Fig 1

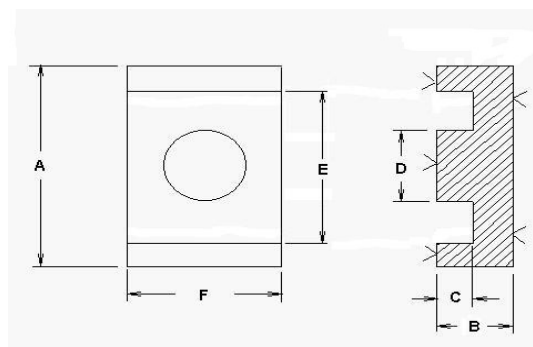
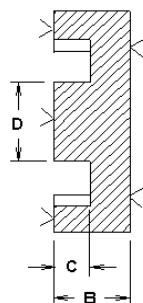


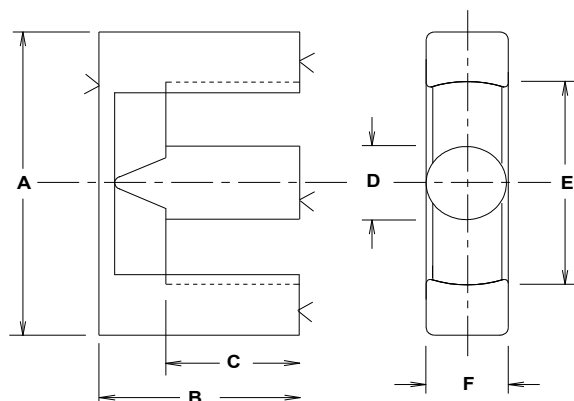
FIG 2

The "B" & "C" dimension can be made smaller than specified , Call for "B&C"
Dimension larger than specified.

Catalog # Common Name	Dimensions [mm]								L_e mm	A_e mm ²	V_e mm ³	W_a mm ²	$W_a A_e$ mm ⁴	Set Weight Grams	No gap AL value +/- 25%		
	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.							5099 7099 N001	7070	8040 50ALL
09-03-05 Fig 1	9.35 0.20	2.45 0.08	1.68 0.08	3.40 0.15	7.20 0.20	4.90 0.10	7.63 0.12		13.6	8.8	120	7.1	63	0.7	CALL		
11-03-06 Fig 1	10.83 0.17	2.45 0.08	1.58 0.08	4.12 0.12	8.10 0.20	5.90 0.10	8.85 0.15		14.1	12.4	174	7.5	93	1.1	CALL		
15-03-07 Fig 1	14.50 0.20	2.95 0.10	1.65 0.10	4.70 0.10	11.80 0.20	6.70 0.10	11.80 0.20		18.2	18.3	333	11.7	214	1.9	1,450	1,595	2,175
23-04-13 Fig 1	23.20 0.45	3.60 0.10	1.60 0.10	8.00 0.20	17.86 0.36	12.50 0.25	20.20 0.40		26.5	50.3	1333	19.5	982	6.2	CALL		
32-06-25 Fig 2	32.15 0.55	6.00 0.13	2.77 0.13	12.40 0.15	27.20 0.40	25.40 0.40			38.1	140.5	5346	41.0	5,760	27.8	CALL		
41-08-32 Fig 2	40.64 0.80	7.60 0.13	3.60 0.13	16.00 0.30	34.04 0.70	32.00 0.60			57.1	225.0	12848	64.9	14,612	66.8	CALL		
51-10-38 Fig 2	51.00 1.00	4.95 0.15	10.16 0.15	20.00 0.40	41.80 0.80	38.10 0.70			73.5	350.5	25762	221.5	77,632	134.0	CALL		
64-13-51 Fig 2	64.00 1.00	6.25 0.25	12.70 0.15	25.40 0.50	53.50 1.00	50.80 1.00			93.4	564.0	52678	356.9	201,275	273.9	CALL		

ETD CORES

2014-R1



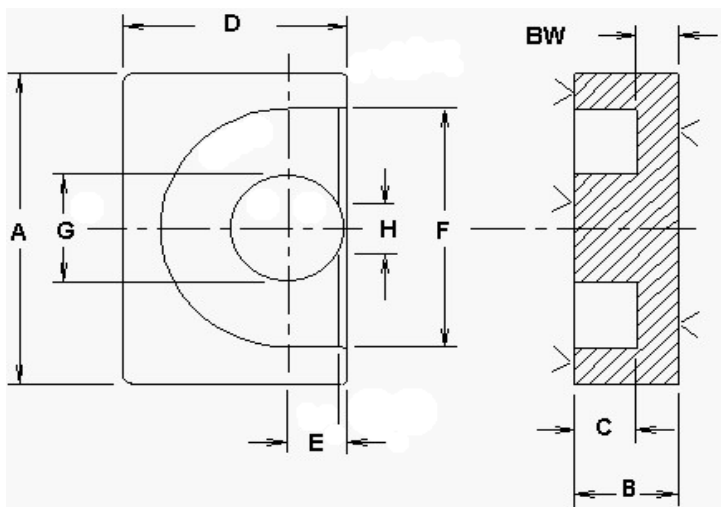
The "B" & "C" dimension can be made smaller than specified , Call for "B&C"
Dimension larger than specified.

Catalog # Common Name	Dimensions [mm]								L_e mm	A_e mm ²	V_e mm ³	W_a mm ²	$W_a A_e$ mm ⁴	Set Weight Grams	No gap AL value +/- 25%		
	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.							5099 7099 N001	7070	8040 50ALL
29-00-00 ETD29	29.92 0.61	15.80 0.20	10.97 0.28	9.50 0.30	22.61 0.61	9.50 0.30			72	76	5500	144	10,930	15.0	2,580	2,850	3,610
34-00-00 ETD34	34.21 0.69	17.30 0.20	12.09 0.28	10.80 0.30	26.31 0.69	10.80 0.30			80	97	7770	188	18,260	39.7	2,310	3,210	4,070
39-00-00 ETD39	39.09 0.79	19.79 0.20	14.61 0.38	12.50 0.30	30.10 0.79	12.50 0.30			94	125	11702	257	32,110	58.5	3,170	3,520	4,460
44-00-00 ETD44	43.99 0.89	22.30 0.20	16.51 0.38	14.81 0.38	33.30 0.81	14.81 0.38			105	173	18112	305	52,880	90.8	3,250	4,360	5,520
49-00-00 ETD49	48.69 1.09	24.69 0.20	18.08 0.41	16.31 0.38	37.01 0.89	16.31 0.38			116	211	24467	374	79,140	122.4	4,340	4,825	6,110
54-00-00 ETD54	54.50 1.30	27.60 0.20	20.20 0.40	18.90 0.40	41.20 1.10	18.90 0.40			127	280	35450	450	126,129	180.0	CALL		
59-00-00 ETD59	59.82 1.20	31.01 0.13	22.50 0.30	21.67 0.43	44.70 0.89	21.92 0.44			142	355	50382	519	183,790	283.0	6,160	6,840	8,665

EP CORES

2014-R1

The "B" & "C" dimension can be made smaller than specified , Call for "B&C" Dimension larger than specified.

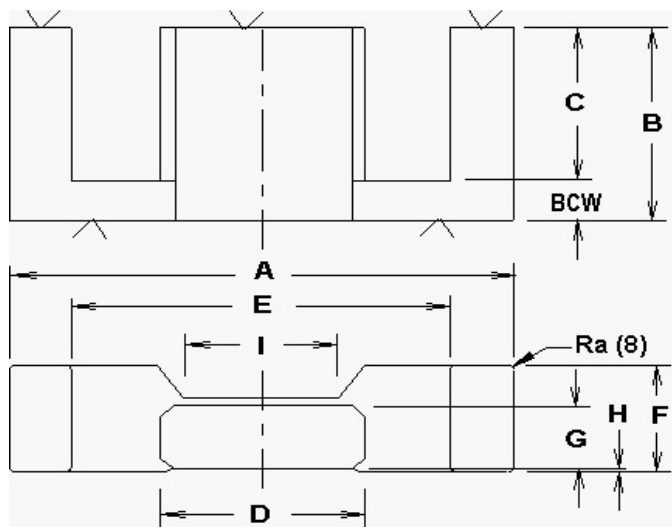


Catalog # Common Name	Dimensions [mm]								L _e mm	A _e mm ²	V _e mm ³	W _a mm ²	W _a A _e mm ⁴	Set Weight Grams	No gap AL value +/- 25%			
	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.							5099 7099 N001	7070	8040 50ALL	5kHF 5000
09-04-06 EP7	9.20 0.18	3.71 0.01	2.54 0.05	6.35 0.13	1.70 0.10	7.39 0.02	3.30 0.10		15.70	10.30	162.00	3.78	39	1.4	1,100	1,120	1,240	2,575
12-05-08 EP10	11.50 0.3	5.13 0.10	3.68 0.07	7.60 0.20	1.85 0.10	9.37 0.18	3.38 0.08		19.20	11.30	217.00	8.80	100	2.8	1,060	1,080	1,200	2,315
13-06-09 EP13	12.50 0.28	6.43 0.13	4.60 0.1	8.79 0.20	2.36 0.13	9.93 0.20	4.34 0.08		24.20	19.50	472.00	15.40	300	5.1	1,565	1,590	2,000	3,170
18-08-11 EP17	18.00 0.35	8.41 0.08	5.69 0.10	11.00 0.23	3.25 0.08	11.99 0.23	5.69 0.10		28.50	33.90	966.00	23.90	810	11.6	2,400	2,655	3,100	4,679
24-10-17 EP20	24.00 0.50	10.70 0.10	7.20 0.15	15.00 0.35	4.50 0.20	16.50 0.40	8.800 0.250		41.05	78.50	3,222	27.72	2176	26.5	CALL			

EFD CORES

2014-R1

The "B" & "C" dimension can be made smaller than specified , Call for "B&C" Dimension larger than specified.



Catalog # Common Name	Dimensions [mm]								L_e mm	A_e mm ²	V_e mm ³	W_a mm ²	$W_a A_e$ mm ⁴	Set Weight Grams	No gap AL value +/- 25%			
	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.							5099 7099 N001	7070	8040 50ALL	5kHF 5000
11-05-03 EFD10	10.50 0.30	5.20 0.10	3.75 0.15	4.55 0.15	7.65 0.25	2.70 0.10	1.45 0.05		23.8	7.2	171	11.6	84	0.9	CALL			
12-06-04 EFD12	12.50 0.30	6.20 0.10	4.55 0.15	5.40 0.15	9.00 0.25	3.50 0.10	2.00 0.10		28.5	11.4	325	16.4	187	1.8	CALL			
15-08-05 EFD15	15.00 0.30	7.42 0.13	5.50 0.17	5.30 0.11	11.00 0.22	4.62 0.09	2.36 0.05		34.0	150.0	5,100	31.4	4,703	2.8	959	1,065	1,452	2,420
20-10-07 EFD20	20.00 0.40	10.00 0.13	7.70 0.17	8.90 0.18	15.40 0.31	6.65 0.13	3.60 0.07		47.0	310.0	14,570	50.1	15,516	7.1	1,566	1,740	2,349	3,955
25-13-09 EFD25	25.00 0.50	12.50 0.13	9.30 0.19	11.40 0.23	18.70 0.37	9.10 0.18	5.20 0.10		57.0	580.0	33,060	67.9	39,376	16.5	2,480	2,755	3,719	6,261
30-15-07 EFD30	30.00 0.60	15.00 0.13	11.20 0.20	14.60 0.29	22.40 0.45	9.10 0.18	4.90 0.10		68.0	690.0	46,920	87.4	60,278	22.7	2,471	2,745	3,706	6,239

U CORES

2014-R1

The "B" & "C" dimension can be made smaller than specified, Call for "B&C" Dimension larger than specified. The "F" dimension may be adjusted in most cases. U Cores Effective Parameters are as mated UU. I-bars available for most cores.

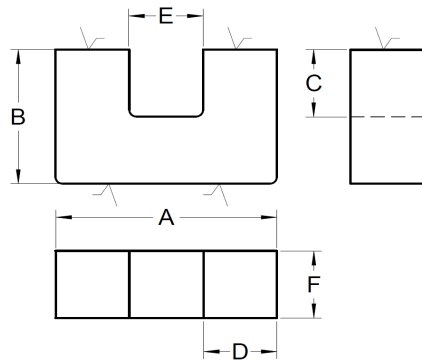


FIG 1

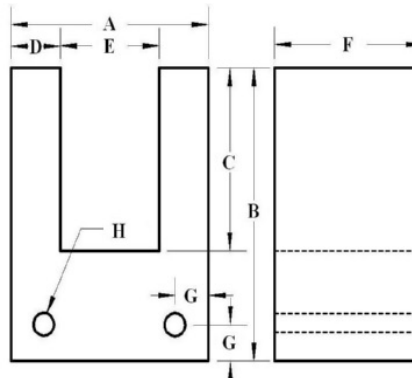


FIG 2

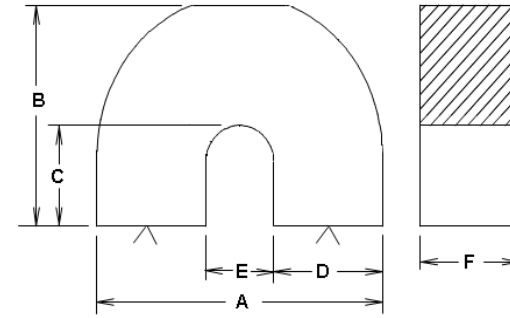


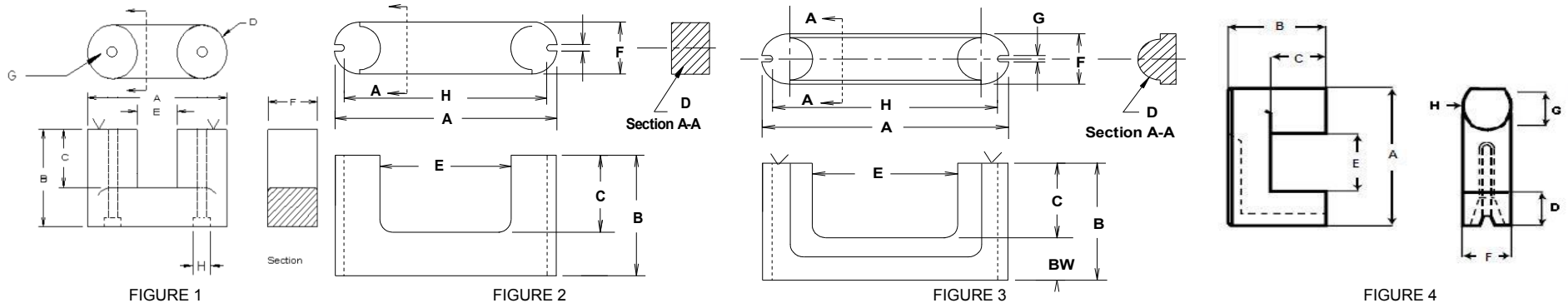
FIG 3

Catalog # Common Name	Dimensions [mm]								L _e mm	A _e mm^2	V _e mm^3	W _a mm^2	W _a A _e mm^4	Set Weight Grams	No gap AL value +/- 25%		
	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.							5099 7099 N001	7070	8040 50ALL
11-03-06 FIG 1	10.85 0.22	3.43 0.13	1.60 0.13	1.83 0.04	7.19 0.14	6.30 0.13			26.5	11.5	306	23.0	265	2	1,092	1,201	1,638
18-17-07 FIG 1	18.01 0.36	16.89 0.13	11.89 0.13	4.75 0.09	8.51 0.17	7.01 0.14			79.9	33.8	2,700	202.4	6,841	14	1,064	1,170	1,596
21-15-08 FIG 1	21.00 0.60	15.30 0.25	8.25 0.25	7.30 0.20	6.30 0.30	7.50 0.30			68.1	54.1	3,684	104.0	5,626	20	1,995	2,194	2,992
32-32-30 FIG 1	32.13 0.64	31.75 0.25	21.72 0.25	10.03 0.20	12.07 0.24	30.35 0.61			142.5	304.4	43,388	524.3	159,597	223	5,368	5,905	8,052
33-23-08 FIG 1	32.77 0.66	22.86 0.25	14.73 0.25	8.13 0.16	16.51 0.38	8.00 0.12			117.5	65.0	7,641	486.4	31,616	39	1,391	1,531	2,087
38-51-34 FIG 2	37.97 0.76	50.67 1.02	31.62 0.64	9.40 0.18	19.18 0.38	34.16 0.69	4.623 0.102	4.394 0.102	254.4	321.1	81,667	1212.9	389,408	392			
51-30-12 FIG 1	50.80 1.02	30.48 0.13	18.03 0.13	12.45 0.25	12.45 0.25	25.91 0.52			136.1	322.6	49,914	448.9	144,815	333	5,955	6,551	8,933
52-49-33 FIG 1	52.35 1.05	48.64 0.38	29.36 0.25	17.53 0.35	17.27 0.35	33.02 0.66			209.5	594.8	124,631	1014.3	603,303	653	7,134	7,848	10,701
91-66-16 FIG 3	91.29 1.83	66.04 0.13	29.51 0.13	36.50 0.73	18.29 0.37	15.88 0.32			269.3	579.8	156,157	1079.5	625,913	846	5,410	5,951	8,115
91-66-32 FIG 3	91.29 1.83	66.04 0.13	29.51 0.13	36.50 0.73	18.29 0.37	31.75 0.64			269.3	1159.2	312,215	1079.5	1,251,356	1,690	10,817	11,899	16,226
93-52-30 FIG 1	92.99 1.86	52.00 0.13	24.01 0.56	27.99 0.56	37.01 0.74	30.00 0.60			258.0	839.7	216,637	1777.2	1,492,315	1,149	8,180	8,998	12,270
93-76-30 FIG 1	92.99 1.86	76.00 0.13	48.01 0.56	27.99 0.56	37.01 0.74	30.00 0.60			354.0	839.7	298,248	3553.7	2,984,042	1,540	5,962	6,558	8,943
102-57-25 FIG 1	101.60 2.03	57.15 0.13	31.75 0.51	25.40 0.51	50.80 1.02	25.40 0.51			308.4	645.2	199	3225.8	2,081,286	1,033	5,258	5,783	7,887

UR CORES

2014-R1

The "B" & "C" dimension can be made smaller than specified , Call for "B&C"
Dimension larger than specified.



Catalog #	Dimensions [mm]								L_e	A_e	V_e	W_a	$W_a A_e$	Set Weight	No gap AL value +/- 25%		
Common Name	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.						Grams	5099 7099 N001	7070	8040 50ALL
39-19-10 Fig 3	39.24 0.78	18.8 0.13	9.27 0.32	4.75 REF	20.19 0.40	9.91 0.20	2.79 0.06	34.29 0.69	108	78	8,416	374	29,197	44.60	1,796	1,995	2,720
41-21-11 Fig 2	41.15 0.82	20.62 0.13	11.1 0.32	5.84 REF	19.05 0.38	11.68 0.23	3.18 0.06	34.29 REF	122	100	12,210	423	42,291	62.20	2,047	2,265	3,089
41-22-11 Fig 2	41.15 0.82	22.23 0.13	12.7 0.32	5.84 REF	19.05 0.38	11.68 0.23	3.18 0.06	34.29 REF	129	100	12,850	484	48,387	67.45	2,039	2,266	3,090
41-25-11 Fig 2	41.15 0.82	25.4 0.13	15.88 0.32	5.84 REF	19.05 0.38	11.68 0.23	3.18 0.06	34.29 REF	135	100	13,480	605	60,503	80.90	1,845	2,050	2,795
41-30-11 Fig 2	41.15 0.82	30.48 0.38	20.96 0.32	5.84 REF	19.05 0.38	11.68 0.23	3.18 0.06	34.29 REF	155	100	15,510	799	79,858	124.10	1,620	1,800	2,455
64-40-24 Fig 1	64.03 1.27	40.49 0.13	26.49 0.41	20.04 2.69	24 0.48	24 0.48	4.19 0.08	9.6 0.20	207	320	66,176	1,272	406,886	355.00	3,410	2,325	3,170
69-24-14 Fig 3	69.24 1.40	24.2 0.13	12.7 0.36	6.53 0.13	43.31 8.64	13.84 0.28	3.56 0.08	63.07 1.27	224	189	42,355	1,100	207,914	209.80	2,332	2,100	2,864
81-33-16 Fig 3	81.36 1.63	32.64 0.13	19.05 0.25	7.92 REF	50.8 0.76	15.88 0.32	3.56 0.07	75.95 1.52	224	191	42,795	1,935	369,677	259.06	2,099	2,332	3,180
81-42-16 Fig 3	81.36 1.63	41.58 0.13	29.26 0.25	7.92 REF	50.8 0.76	15.88 0.32	3.56 0.07	75.95 1.52	262	191	50,023	2,973	567,808	291.13	2,088	2,320	3,164
81-45-16 Fig 3	81.36 1.63	44.6 0.13	31.01 0.25	7.92 REF	50.8 0.76	15.88 0.32	3.56 0.07	75.95 1.52	272	191	51,906	3,151	601,453	315.21	1,728	1,920	2,618

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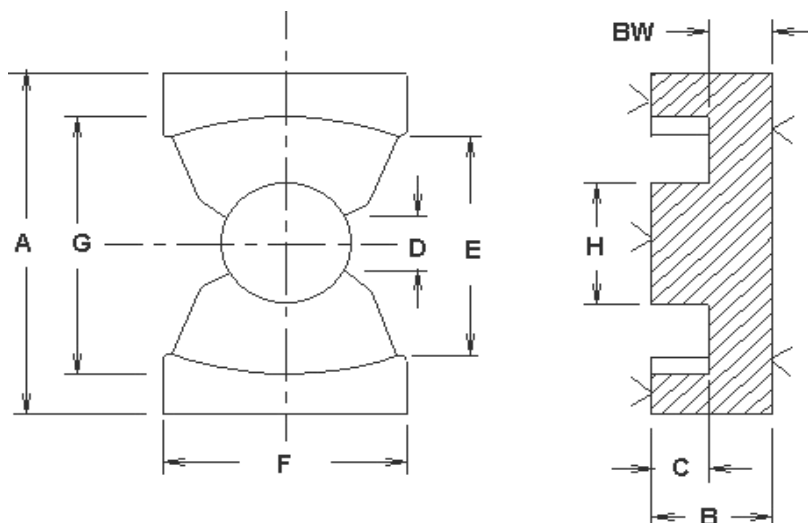
FERRITE International

39105 Magnetics Blvd Wadsworth, Illinois 60083 USA * 847 249 4900 * www.tscinternational.com

PQ CORES

2014-R1

The "B" & "C" dimension can be made smaller than specified , Call for "B&C"
Dimension larger than specified.

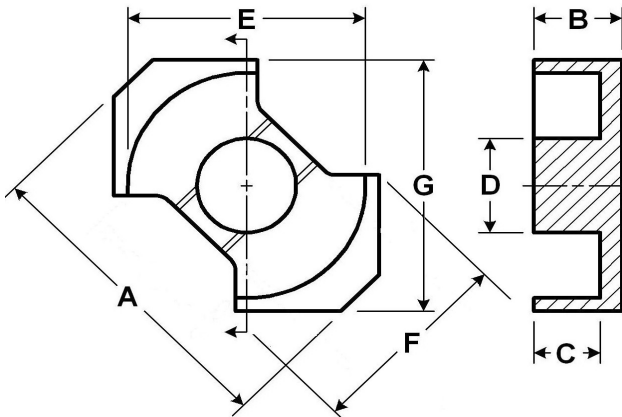


Catalog # Common Name	Dimensions [mm]								L _e mm	A _e mm ²	V _e mm ³	W _a mm ²	W _a A _e mm ⁴	Set Weight Grams	No gap AL value +/- 25%		
	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.							5099 7099 N001	7070	8040 50ALL
20-16-00 PQ 20 16	21.26 0.43	8.10 0.13	5.16 0.19	4.01 min	11.99 min	14.00 0.28	18.01 0.36	8.84 0.18	37.4	62.0	2,319	47.3	2,934	11	3,295	3,625	4,943
20-20-00 PQ 20 20	21.26 0.43	10.11 0.13	7.16 0.19	4.01 min	11.99 min	14.00 0.28	18.01 0.36	8.84 0.18	45.4	62.0	2,815	65.7	4,071	14	2,720	2,992	4,080
26-20-00 PQ 26 20	27.25 0.55	10.08 0.13	5.74 0.21	5.99 min	15.49 min	19.00 0.38	22.50 0.45	11.99 0.24	46.3	119.0	5,510	60.3	7,179	27	5,675	6,243	8,513
26-25-00 PQ 26 25	27.25 0.55	12.37 0.13	8.05 0.21	5.99 min	15.49 min	19.00 0.38	22.50 0.45	11.99 0.24	55.5	118.0	6,549	84.6	9,983	32	4,690	5,159	7,035
32-20-00 PQ 32 20	33.02 0.66	10.29 0.13	5.74 0.22	5.49 min	19.00 min	22.00 0.44	27.51 0.55	13.46 0.27	55.5	170.0	9,435	80.6	13,710	46	7,215	7,937	10,823
32-30-00 PQ 32 30	33.02 0.66	15.16 0.13	10.64 0.22	5.49 min	19.00 min	22.00 0.44	27.51 0.55	13.46 0.27	74.6	161.0	12,011	149.5	24,068	58	4,760	5,236	7,140
35-35-00 PQ 35 35	36.12 0.72	17.37 0.13	12.50 0.22	5.97 min	23.50 min	26.01 0.52	32.000 0.64	14.350 0.29	87.9	196.0	17,228	220.6	43,243	84	4,915	5,407	7,373
40-40-00 PQ 40 40	41.48 0.83	19.86 0.13	14.76 0.22	6.35 min	27.99 min	27.99 0.56	37.010 0.74	14.91 0.30	101.9	201.0	20,482	326.2	65,565	99	4,640	5,104	6,960
50-50-00 PQ 50 50	51.00 1.02	25.00 0.13	18.05 0.22	8.15 min	32.00 min	32.00 0.64	44.000 0.88	20.000 0.40	113.2	327.7	37,096	433.2	141,960	180	CALL		

RM CORES

2014-R1

The "B" & "C" dimension can be made smaller than specified , Call for "B&C" Dimension larger than specified. Cores have standard notches on BW for clips.

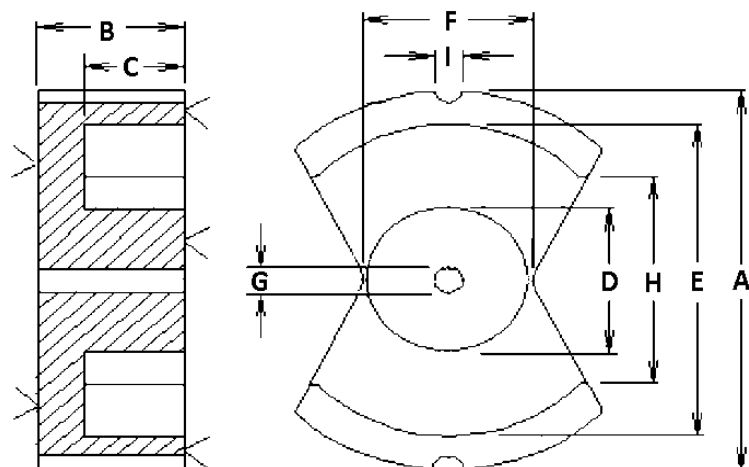


Catalog #	Dimensions [mm]								L _e	A _e	V _e	W _a	W _a A _e	Set Weight Grams	No gap AL value +/- 25%			
Common Name	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.							5099 7099 N001	7070	8040 50ALL	5kHF 5000
05-00-00 RM5	14.300 0.300	10.200 0.050	3.250 0.100	4.800 0.10	10.400 0.2	10.000 MAX	12.050 0.250		22.3	23.8	530.00	18.20	433.16	3.1	2,000	2,200	3,000	5,000
06-00-00 RM6	17.300 0.300	6.200 0.050	4.100 0.100	6.300 0.10	12.650 0.25	10.750 MAX	14.400 0.300		28.5	35.7	1020.00	26.04	929.45	5.2	2,500	2,750	3,750	6,250
07-00-00 RM7	19.900 0.400	6.700 0.050	4.325 0.250	7.100 0.15	15.050 0.3		16.900 0.300		30	44.15	1324.50	34.38	1518.04	7.6	CALL			
08-00-00 RM8	22.750 0.450	8.150 0.200	5.600 0.200	8.400 0.15	17.300 0.3	15.700 MAX	19.250 0.450		38	64	2400.00	49.84	3189.76	13.0	3,300	3,630	4,950	8,250
10-00-00 RM10	27.850 0.650	9.300 0.050	6.350 0.300	10.700 0.20	21.650 0.45		24.150 0.550		45	99	4500.00	69.53	6883.72	22.0	4,400	4,840	6,600	11,000
12-00-00 RM12	36.750 0.650	12.250 0.050	8.250 0.150	12.400 0.20	24.500 0.5		30.450 0.650		56.3	145	8163.50	99.83	14474.63	44.5	CALL			
14-00-00 RM14	41.500 0.700	14.450 0.050	10.550 0.150	14.700 0.30	29.600 0.6		34.100 0.600		69	190	13100.00	157.20	29867.05	70.0	6,300	6,930	9,450	15,750

FM CORES

2014-R1

The "B" & "C" dimension can be made smaller than specified , Call for "B&C" Dimension larger than specified.

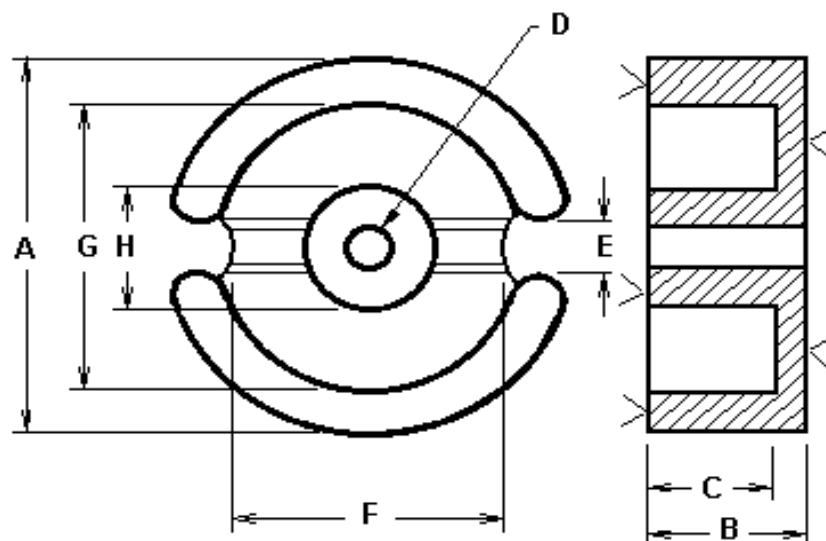


SECTION

Catalog # Common Name	Dimensions [mm]									L _e mm	A _e mm ²	V _e mm ³	W _a mm ²	W _a A _e mm ⁴	Set Weight Grams	No gap AL value + 30% / - 20%		
	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.	I +/- tol.							5099 7099 N001	7070	8040 50ALL
50-39-00 FM50-39	49.150 0.850	19.400 0.127	13.400 0.200	19.700 0.30	39.650 0.65		5.550 0.150	23.400 min	4.500 0.20	87	340	29,600	267	90,892	140.0	6,930	7,623	9,148
62-49-00 FM62-49	61.011 1.219	24.384 0.102	16.891 0.127	25.095 0.50	49.530 1.00		5.486 0.10	29.489 min	4.500 0.20	109	570	62,000	413	235,255	280.0	8,280	9,200	11,040
74-59-00 FM74-59	72.750 1.250	29.350 0.400	20.750 0.400	29.000 0.50	58.400 1.00		5.550 0.150	34.000 min	4.200 0.20	127	790	101,000	610	481,940	460.0	9,000	10,000	12,000
87-70-00 FM87-70	85.500 1.500	34.800 0.127	24.200 0.200	31.400 0.50	68.150 1.05		8.650 0.150	39.400 min	4.800 0.20	153	920	140,000	889	818,202	860.0	CALL		
114-93-00 FM114-93	111.750 2.250	46.250 0.400	31.900 0.400	42.300 0.70	89.850 1.05		5.600 0.200	52.000 min	5.500 0.20	199	1720	344,000	1,517	2,608,973	1,940.0	CALL		

POT CORES

2014-R1



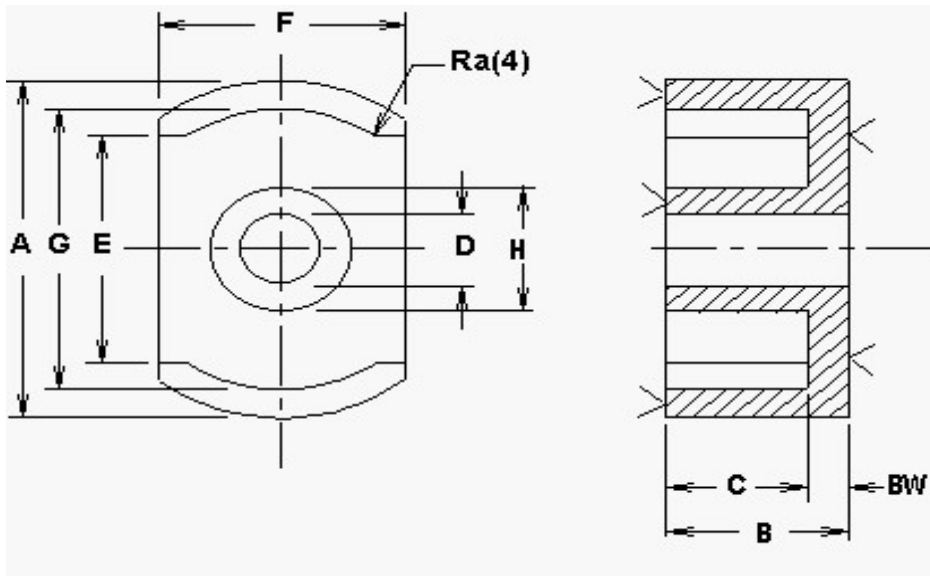
The "C" & "B" dimension can be made smaller than specified , Call for "B&C"
Dimension larger than specified.

Catalog #	Dimensions [mm]								L _e	A _e	V _e	W _a	W _a A _e	Set Weight	Ungapped AL value +/- 25%		
Common Name	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.	mm	mm ²	mm ³	mm ²	mm ⁴	Grams	N001 U _i 2000	7070 U _i 2200	50ALL U _i 3000
09-05-00	9.150 0.150	5.250 0.150	3.600 MIN	2.000 MIN	1.600 MIN	6.600 NOM	7.625 0.125	3.900 MAX	12.2	10	120	13.4	13	0.78	1,130	1,240	1,800
11-07-00	11.100 0.200	6.450 0.150	4.400 MIN	2.000 MIN	1.600 MIN	7.250 NOM	9.200 0.200	4.700 MAX	15.9	16	252	19.8	31	1.67	1,565	1,720	2,500
14-08-00	14.050 0.250	4.175 0.075	2.800 MIN	3.000 MIN	3.050 MIN	9.600 NOM	11.800	6.000 MAX	19.8	25.0	495	17.1	428	3.3	2,100	2,350	2,540
18-11-00	18.00 0.400	5.275 0.075	3.600 MIN	3.000 MIN	3.60 MIN	12.780 NOM	15.150 0.250	7.600 MAX	25.9	43.0	1,110	28.7	1,235	7.1	3,125	3,440	4,120
22-13-00	21.600 0.400	6.700 0.100	4.600 MIN	4.400 MIN	2.940 MIN	15.00 NOM	18.200 0.300	9.400 MAX	31.3	64.0	2,000	42.1	2,696	13.3	3,805	4,230	5,050
26-16-00	25.50 0.500	8.052 0.100	5.500 MIN	5.400 MIN	4.110 MIN	18.030 NOM	21.600 0.400	11.500 MAX	37.7	93.0	3,500	57.8	5,372	22.3	5,670	6,300	6,795
30-19-00	30.00 0.500	9.398 0.100	6.500 MIN	5.400 MIN	3.90 MIN	22.20 NOM	25.40 0.400	13.500 MAX	45.2	136.0	6,150	79.8	10,859	36.9	6,915	7,685	9,190
36-22-00	35.600 0.600	10.850 0.150	7.300 MIN	5.400 MIN	4.30 MIN	26.80 NOM	30.40 0.500	16.200 MAX	52.1	199.0	10,340	107.2	21,333	61.8	8,785	9,760	11,660
42-29-00	42.400 0.700	14.800 0.296	10.150 MIN	5.400 MIN	4.496 MIN	32.004 NOM	36.300 0.700	17.700 MAX	68.6	265.0	18,200	188.8	50,029	103.5	9,198	10,219	12,208
71-42-00	71.100 0.700	41.600 0.832	28.000 MIN	8.500 MIN	10.000 MIN	48.200 NOM	58.400 0.900	29.500 MAX	105.0	700.0	74,000	795	556,640	415.0	CALL		

SLAB CORES

2014-R1

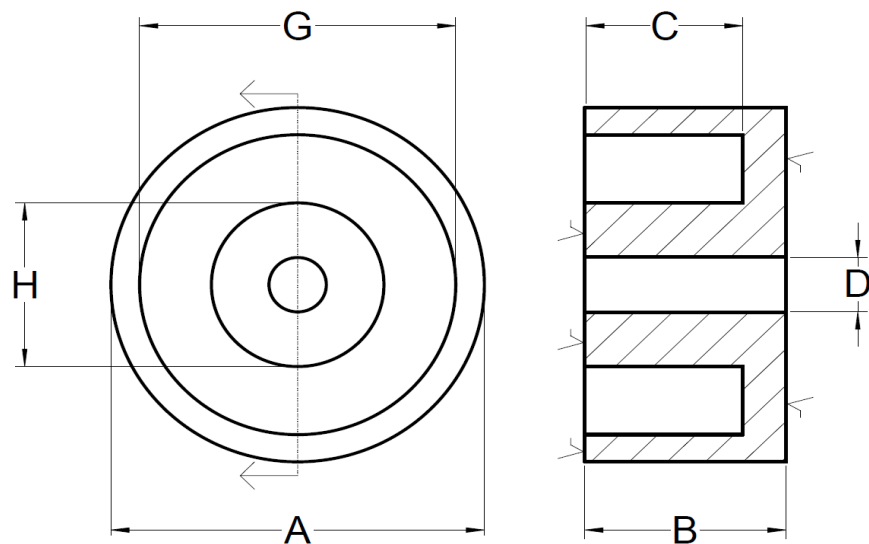
The "C" & "B" dimension can be made smaller than specified , Call for "B&C"
Dimension larger than specified.



Catalog #	Dimensions [mm]								L _e	A _e	V _e	Wa	WaA _e	Set Weight	Ungapped AL value +/- 25%		
Common Name	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.	mm	mm^2	mm^3	mm^2	mm^4	Grams	N001 U _i 2000	7070 U _i 2200	50ALL U _i 3000
14-09-08	14.05 0.25	4.18 0.08	2.80 MIN	3.00 MIN	7.67 MIN	9.40 0.20	11.80 0.20	6.00 MAX	22.5	22.0	495.0	17.1	377.0	2.5	1,625	1,820	1,965
14-10-08	14.05 0.25	4.18 0.08	2.80 MIN		7.67 MIN	9.40 0.20	11.80 0.20	6.00 MAX	22.5	22.4	495.0	17.1	384.5	2.6	1,625	1,820	1,965
18-11-11	18.00 0.40	5.28 0.08	3.60 MIN	3.00 MIN	10.50 MIN	11.94 0.20	15.15 0.25	7.60 MAX	27.2	40.6	1110.0	28.7	1166.4	6.0	2,840	3,120	3,740
18-12-11	18.00 0.40	5.28 0.08	3.60 MIN		10.50 MIN	11.94 0.20	15.15 0.25	7.60 MAX	27.2	41.4	1110.0	28.7	1189.7	6.1	2,840	3,120	3,740
23-13-11	22.86 0.46	5.54 0.13	3.76 MIN	4.70 MIN	13.21 MIN	15.24 0.25	18.29 0.36	9.70 MAX	30.2	66.0	2000.0	32.3	2130.0	11.5	4,075	4,530	6,040
23-13-18	22.86 0.46	9.02 0.18	7.24 MIN	4.70 MIN	13.21 MIN	15.24 0.25	18.29 0.36	9.70 MAX	42.4	66.0	2750.0	62.1	4101.8	16.5	2,900	3,220	4,300

CUP CORES

2014-R1



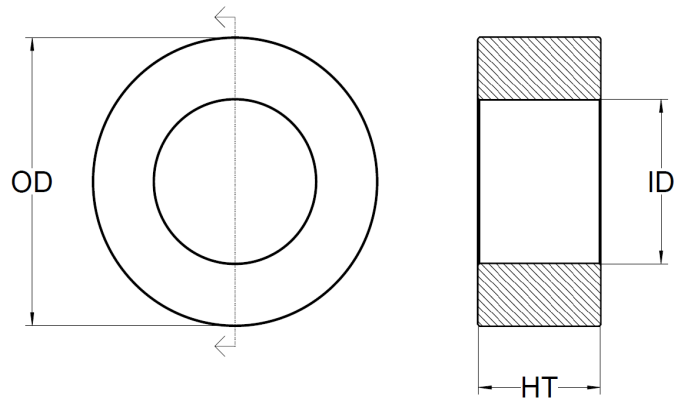
The "C" & "B" dimension can be made smaller than specified , Call for "B&C"
Dimension larger than specified. Cup cores can be mated with Slab Sided or
Pot Cores

Catalog #	Dimensions [mm]								L_e	A_e	V_e	W_a	$W_a A_e$	Set Weight Grams	Ungapped AL value +/- 25%		
Common Name	A +/- tol.	B +/- tol.	C +/- tol.	D +/- tol.	E +/- tol.	F +/- tol.	G +/- tol.	H +/- tol.	mm	mm ²	mm ³	mm ²	mm ⁴		7099 U _i 2000	7070 U _i 2200	50ALL U _i 3000
23-11-00	22.860 0.460	5.537 0.130	3.759 MIN	4.700 MIN			18.290 0.360	9.70 MAX									
23-18-00	22.860 0.460	9.017 0.180	7.239 MIN	4.700 MIN			18.290 0.360	9.70 MAX									

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TOROID 1

2014-R1



The Height of many toroids can be adjusted over a range of values. Dimensions are for uncoated parts and tumbled cores. Standard tumbling will break the sharp edges of core.

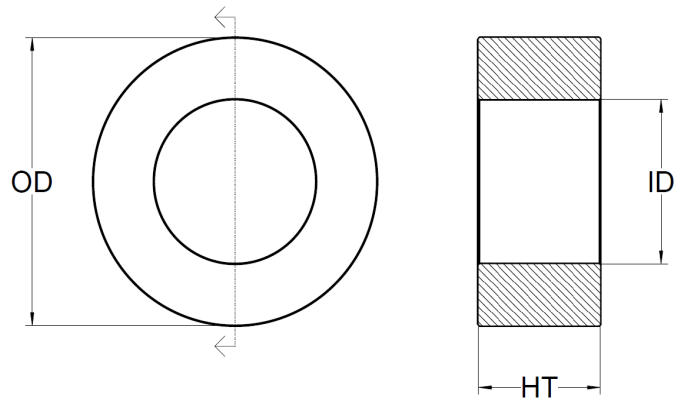
Coating will add a maximum of 0.10mm to the surface.

Toroids can be gapped as requested.

Catalog # Common Name	Dimensions [mm]						L _e mm	A _e mm ²	V _e mm ³	Wa mm ²	WaA _e mm ⁴	Set Weight Grams	No gap AL value +/- 25%				
	OD	+/- tol.	ID	+/- tol.	Ht	+/- tol.							5099 7099 N001	7070	8040 50ALL	5kHF 5000	7000
06-04-02	6.30	0.13	3.81	0.08	2.49	0.05	15.23	3.03	46.2	0.31	0.95	0.24	501	551	751	1252	1752
10-05-03	9.53	0.19	4.75	0.09	3.18	0.06	20.71	7.28	150.8	0.71	5.19	0.82	884	972	1326	2209	3093
10-05-04	9.53	0.19	4.75	0.09	3.30	0.07	20.71	7.57	156.8	0.71	5.40	0.85	919	1011	1379	2298	3217
10-05-06	9.53	0.19	4.75	0.09	6.35	0.13	20.71	14.56	301.6	0.71	10.38	1.64	1767	1944	2651	4418	6186
10-05-08	9.53	0.19	4.75	0.09	6.60	0.13	20.71	15.15	313.7	0.71	10.79	1.71	1838	2022	2757	4595	6433
10-05-17	9.53	0.19	4.75	0.09	17.02	0.34	20.71	39.03	808.4	0.71	27.81	4.40	4737	5210	7105	11841	16578
10-06-04	10.01	0.20	5.99	0.12	3.99	0.08	24.07	7.83	188.4	0.79	6.16	0.97	818	899	1226	2044	2861
10-06-02	10.01	0.20	5.99	0.12	3.00	0.06	24.07	5.88	141.6	0.79	4.63	0.73	614	676	922	1536	2151
10-06-03	10.24	0.20	5.99	0.12	7.85	0.16	14.43	25.85	372.9	0.82	21.27	2.94	1680	1848	2520	4200	5880
11-07-03	11.13	0.22	7.11	0.14	2.97	0.06	27.71	5.86	162.5	0.97	5.70	0.83	532	585	798	1330	1862
13-07-05	12.70	0.25	7.14	0.14	4.78	0.10	29.50	12.92	381.1	1.27	16.37	2.00	1101	1211	1651	2752	3852
13-07-06	12.70	0.25	7.14	0.14	6.35	0.13	29.50	17.18	506.8	1.27	21.76	2.66	1464	1610	2196	3659	5123
13-07-08	12.70	0.25	7.14	0.14	7.90	0.16	29.50	21.37	630.5	1.27	27.07	3.31	1821	2003	2731	4552	6373
13-07-10	12.70	0.25	7.14	0.14	9.53	0.19	29.50	25.77	760.3	1.27	32.65	3.99	2196	2415	3293	5489	7684
13-08-03	12.70	0.25	7.92	0.16	3.18	0.06	31.23	7.44	232.4	1.27	9.43	1.19	599	659	898	1497	2096
13-08-05	12.70	0.25	7.92	0.16	5.08	0.10	31.23	11.91	371.8	1.27	15.08	1.90	958	1054	1437	2396	3354
13-08-06	12.70	0.25	7.92	0.16	6.35	0.13	31.23	14.88	464.8	1.27	18.85	2.37	1198	1318	1797	2995	4193
13-07-07	12.95	0.26	7.37	0.15	7.11	0.14	30.28	19.35	586.0	1.32	25.50	3.06	1606	1767	2409	4015	5621
13-07-09	12.95	0.26	7.37	0.15	9.27	0.19	30.28	25.23	764.0	1.32	33.25	3.99	2094	2303	3140	5234	7327
13-09-05	12.95	0.26	8.99	0.18	5.00	0.10	33.72	9.80	330.6	1.32	12.92	1.65	731	804	1096	1827	2558
13-09-09	12.95	0.26	8.99	0.18	8.99	0.18	33.72	17.62	594.0	1.32	23.22	2.97	1313	1445	1970	3283	4596
13-07-03	13.36	0.27	7.29	0.15	3.20	0.06	30.53	9.42	287.7	1.40	13.21	1.52	776	853	1163	1939	2714
13-07-04	13.36	0.27	7.29	0.15	5.00	0.10	30.53	14.73	449.8	1.40	20.65	2.38	1213	1334	1819	3031	4244

TOROID 2

2014-R1



The Height of many toroids can be adjusted over a range of values. Dimensions are for uncoated parts and tumbled cores. Standard tumbling will break the sharp edges of core.

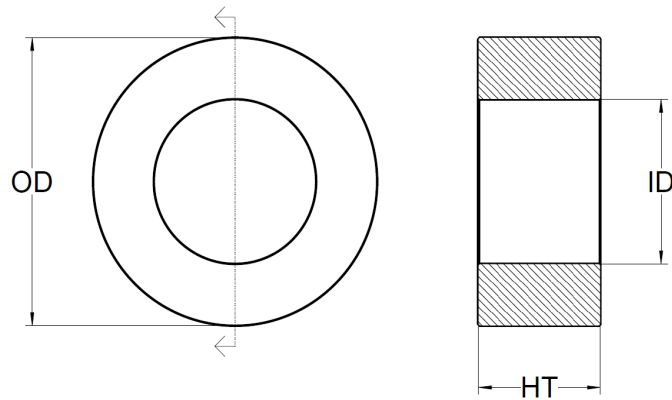
Coating will add a maximum of 0.10mm to the surface.

Toroids can be gapped as requested.

Catalog # Common Name	Dimensions [mm]						L _e mm	A _e mm ²	V _e mm ³	Wa mm ²	WaA _e mm ⁴	Set Weight Grams	No gap AL value +/- 25%				
	OD	+/- tol.	ID	+/- tol.	Ht	+/- tol.							5099 7099 N001	7070	8040 50ALL	5kHF 5000	7000
15-10-05	14.61	0.29	10.16	0.20	4.98	0.10	38.06	10.94	416.5	1.68	18.33	2.08	723	795	1084	1807	2529
16-09-04	15.88	0.32	9.07	0.18	4.09	0.08	37.20	13.56	504.5	1.98	26.84	2.63	916	1008	1374	2290	3206
16-09-05	15.88	0.32	9.07	0.18	4.70	0.09	37.20	15.58	579.7	1.98	30.84	3.03	1053	1158	1579	2632	3684
16-09-10	15.88	0.32	9.07	0.18	9.53	0.19	37.20	31.59	1175.1	1.98	62.52	6.14	2134	2347	3200	5334	7468
16-10-07	16.00	0.32	9.60	0.19	6.30	0.13	38.52	19.73	759.9	2.01	39.67	3.92	1287	1416	1931	3218	4505
19-11-15	19.00	0.38	11.40	0.23	15.01	0.30	45.75	55.78	2552	2.84	158.14	13.15	3065	3371	4597	7662	10726
19-11-09	19.00	0.38	11.40	0.23	8.00	0.16	45.75	29.73	1360	2.84	84.29	7.01	1633	1797	2450	4084	5717
21-10-10	19.99	0.40	10.01	0.20	10.01	0.20	43.56	48.00	2091	3.14	150.7	11.37	2770	3047	4154	6924	9694
21-10-07	19.99	0.40	10.01	0.20	6.96	0.14	43.56	33.38	1454	3.14	104.8	7.91	1926	2119	2889	4815	6741
21-10-08	19.99	0.40	10.01	0.20	8.00	0.16	43.56	38.38	1672	3.14	120.4	9.09	2214	2436	3321	5536	7750
21-10-15	19.99	0.40	10.01	0.20	15.01	0.30	43.56	72.00	3137	3.14	226.0	17.05	4154	4570	6232	10386	14540
22-14-06	22.10	0.44	13.72	0.27	6.35	0.13	54.18	26.11	1415	3.84	100.2	7.23	1211	1333	1817	3028	4240
22-14-07	22.10	0.44	13.72	0.27	6.99	0.14	54.18	28.73	1556	3.84	110.2	7.95	1333	1466	1999	3331	4664
22-14-08	22.10	0.44	13.72	0.27	7.92	0.16	54.18	32.59	1766	3.84	125.0	9.02	1512	1663	2268	3780	5291
22-14-10	22.10	0.44	13.72	0.27	9.53	0.19	54.18	39.17	2122	3.84	150.2	10.85	1817	1999	2726	4543	6360
23-17-25	22.99	0.46	16.99	0.34	24.99	0.50	61.85	74.34	4598	4.15	308.5	22.72	3021	3323	4531	7552	10573
25-15-10	24.99	0.50	15.01	0.30	10.01	0.20	60.20	48.88	2943	4.91	239.8	15.16	2041	2245	3061	5102	7143
25-15-15	24.99	0.50	15.01	0.30	15.01	0.30	60.20	73.32	4414	4.91	359.7	22.74	3061	3367	4592	7653	10714
25-16-08	25.40	0.51	15.49	0.31	7.92	0.16	61.69	38.46	2373	5.07	194.9	12.18	1567	1724	2350	3917	5484
25-16-16	25.40	0.51	15.49	0.31	15.85	0.32	61.69	76.92	4746	5.07	389.8	24.36	3134	3447	4701	7834	10968

TOROID 3

2014-R1



The Height of many toroids can be adjusted over a range of values. Dimensions are for uncoated parts and tumbled cores. Standard tumbling will break the sharp edges of core.

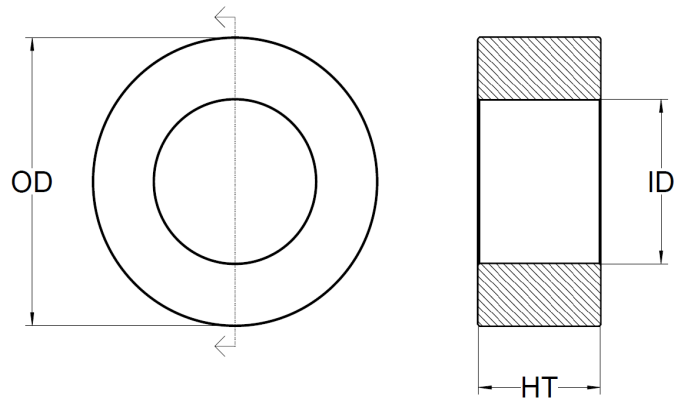
Coating will add a maximum of 0.10mm to the surface.

Toroids can be gapped as requested.

Catalog # Common Name	Dimensions [mm]						L _e mm	A _e mm ²	V _e mm ³	Wa mm ²	WaA _e mm ⁴	Set Weight Grams	No gap AL value +/- 25%				
	OD	+/- tol.	ID	+/- tol.	Ht	+/- tol.							5099 7099 N001	7070	8040 50ALL	5kHF 5000	7000
26-14-10	26.01	0.52	14.15	0.28	10.01	0.20	59.34	57.55	3415	5.31	305.8	18.08	2437	2681	3656	6094	8531
26-15-15	26.01	0.52	14.50	0.29	14.96	0.30	60.16	83.66	5033	5.31	444.5	26.46	3495	3845	5243	8738	12234
26-15-20	26.01	0.52	14.50	0.29	19.99	0.40	60.16	111.79	6725	5.31	594.0	35.35	4670	5137	7005	11676	16346
26-15-04	26.04	0.52	15.24	0.30	3.99	0.08	61.84	21.02	1300	5.32	111.9	6.74	854	940	1281	2136	2990
26-15-12	26.04	0.52	15.24	0.30	12.07	0.24	61.84	63.59	3932	5.32	338.5	20.39	2584	2843	3877	6461	9045
26-15-16	26.04	0.52	15.24	0.30	15.88	0.32	61.84	83.67	5174	5.32	445.4	26.83	3401	3741	5101	8501	11902
28-18-12	27.61	0.55	17.60	0.35	12.19	0.24	68.68	59.99	4120	5.99	359.1	20.93	2195	2415	3293	5488	7683
28-18-20	27.61	0.55	17.60	0.35	19.99	0.40	68.68	98.35	6754	5.99	588.8	34.31	3599	3959	5399	8998	12598
29-19-08	29.01	0.58	19.00	0.38	7.62	0.15	73.20	37.57	2750	6.61	248.2	13.89	1290	1419	1935	3224	4514
29-19-13	29.01	0.58	19.00	0.38	12.70	0.25	73.20	62.61	4583	6.61	413.7	23.15	2150	2364	3224	5374	7523
29-19-15	29.01	0.58	19.00	0.38	15.24	0.30	73.20	75.13	5500	6.61	496.5	27.77	2579	2837	3869	6449	9028
30-08-13	30.10	0.60	10.69	0.21	20.35	0.41	53.92	180.69	9744	7.12	1285.7	61.10	8422	9264	12633	21055	29477
32-19-11	31.50	0.63	19.00	0.38	11.05	0.22	76.04	67.59	5139	7.79	526.6	26.45	2234	2457	3351	5585	7819
32-19-12	31.50	0.63	19.00	0.38	12.50	0.25	76.04	76.44	5813	7.79	595.6	29.91	2527	2779	3790	6317	8843
32-19-06	31.75	0.64	19.00	0.38	6.35	0.13	76.32	39.61	3023	7.92	313.6	15.59	1304	1435	1956	3261	4565
36-23-09	36.37	0.73	22.61	0.45	9.78	0.20	89.24	66.06	5895	10.39	686.4	30.12	1860	2046	2791	4651	6511
36-23-10	36.37	0.73	22.61	0.45	10.01	0.20	89.24	67.60	6033	10.39	702.4	30.82	1904	2094	2856	4760	6664
36-23-15	36.37	0.73	22.61	0.45	15.37	0.31	89.24	103.81	9264	10.39	1078.6	47.33	2923	3216	4385	7309	10232
36-23-19	36.37	0.73	22.61	0.45	19.00	0.38	89.24	128.34	11453	10.39	1333.6	58.52	3614	3976	5422	9036	12651
36-23-29	36.37	0.73	22.61	0.45	29.21	0.58	89.24	197.32	17609	10.39	2050.2	89.97	5557	6113	8335	13892	19449

TOROID 4

2014-R1



The Height of many toroids can be adjusted over a range of values. Dimensions are for uncoated parts and tumbled cores. Standard tumbling will break the sharp edges of core.

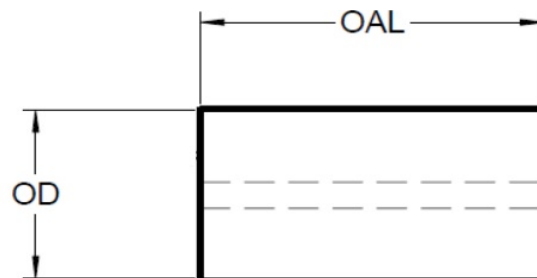
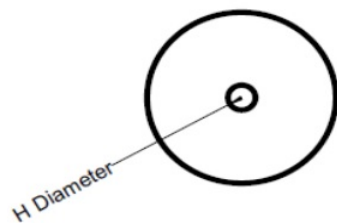
Coating will add a maximum of 0.10mm to the surface.

Toroids can be gapped as requested.

Catalog # Common Name	Dimensions [mm]						L _e mm	A _e mm ²	V _e mm ³	Wa mm ²	WaA _e mm ⁴	Set Weight Grams	No gap AL value +/- 25%				
	OD	+/- tol.	ID	+/- tol.	Ht	+/- tol.							5099 7099 N001	7070	8040 50ALL	5kHF 5000	7000
37-30-16	37.31	0.75	29.67	0.59	15.88	0.32	104.30	60.42	6302	10.93	660.7	30.84	1456	1602	2184	3640	5096
38-19-06	38.10	0.76	19.05	0.38	6.35	0.13	82.97	58.12	4822	11.40	662.6	26.23	1761	1937	2641	4401	6162
38-19-25	38.10	0.76	19.05	0.38	25.40	0.51	82.97	232.48	19288	11.40	2650	104.90	7042	7747	10564	17606	24648
40-24-16	39.98	0.80	23.98	0.48	15.98	0.32	96.22	125.08	12035	12.55	1570	62.03	3267	3594	4901	8168	11435
49-34-16	49.07	0.98	33.83	0.68	15.88	0.32	127.27	119.58	15220	18.91	2262	76.09	2361	2598	3542	5904	8265
49-34-22	49.07	0.98	33.83	0.68	21.29	0.43	127.27	160.34	20407	18.91	3033	102.02	3166	3483	4749	7915	11082
51-32-06	50.80	1.02	31.75	0.64	6.50	0.13	125.02	60.81	7602	20.27	1232	38.79	1222	1345	1834	3056	4279
51-32-12	50.80	1.02	31.75	0.64	12.70	0.25	125.02	118.77	14847	20.27	2407	75.76	2388	2626	3581	5969	8357
51-32-16	50.80	1.02	31.75	0.64	15.75	0.31	125.02	147.27	18411	20.27	2985	93.95	2961	3257	4441	7402	10362
51-32-19	50.80	1.02	31.75	0.64	19.05	0.38	125.02	178.15	22271	20.27	3611	113.64	3581	3940	5372	8954	12535
51-32-31	50.80	1.02	31.75	0.64	31.50	0.63	125.02	294.54	36822	20.27	5970	187.89	5921	6513	8882	14803	20725
63-38-25	62.99	1.26	38.00	0.76	24.99	0.50	152.08	305.77	46501	31.16	9529	239.32	5053	5559	7580	12633	17687
67-15-20	67.01	1.34	15.01	0.30	19.99	0.40	90.92	432.71	39341	35.26	15258	323.37	11962	13158	17942	29904	41866
75-23-20	75.01	1.50	23.01	0.46	19.99	0.40	123.23	463.21	57080	44.19	20468	386.46	9447	10392	14171	23619	33066
80-40-15	80.01	1.60	40.01	0.80	15.01	0.30	174.23	288.53	50270	50.28	14507	273.41	4162	4578	6243	10405	14567
100-55-20	100.00	2.00	54.99	1.10	19.99	0.40	229.53	436.69	100234	78.54	34297	528.99	CALL				
100-67-20	100.00	2.00	67.01	1.34	19.99	0.40	255.45	325.41	83125	78.54	25557	417.85	CALL				
152-69-19	151.99	3.04	68.50	1.37	19.00	0.38	312.24	752.44	234942	181.44	136525	1326.81	CALL				
152-69-18	151.99	3.04	68.50	1.37	18.49	0.37	312.24	732.32	228660	181.44	132875	1291.34	CALL				
152-104-19	151.99	3.04	103.99	2.08	19.00	0.38	392.60	450.60	176906	181.44	81759	885.68	CALL				

ROD & SLUG CORES

2014-R1

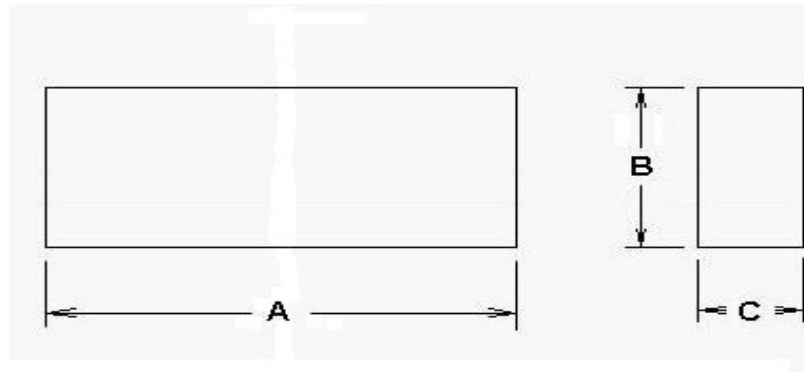


The OAL dimension can be made smaller than specified , Call for OAL
Dimension larger than specified. Slugs can be stacked on threaded rod or
glued to create longer rod.

Catalog #	Dimensions [mm]								L/D						Weight			
Common Name	OD +/- tol.	OAL +/- tol.	H +/- tol.	Ground Ends					RATIO						Grams			
03-00-05	3.15 0.10	5.00 0.10		NO					1.6						0.2			
03-00-11	3.15 0.10	11.10 0.23		NO					3.5						0.4			
10-00-05	9.53 0.25	5.00 0.10		NO					0.5						1.8			
10-00-13	9.53 0.25	12.70 0.25		NO					1.3						4.5			
10-00-25	9.53 0.25	25.40 0.51		NO					2.7						8.8			
10-00-51	9.53 0.25	50.80 1.02		NO					5.3						17.5			
23-07-12	23.90 4.83	11.81 0.13	6.60 0.13	YES					0.5						27.2			
25-05-25	25.40 0.51	25.40 0.13	5.00 0.10	YES					1.0						56.9			
25-05-51	25.40 0.51	50.80 0.13	5.00 0.10	YES					2.0						113.9			

I-BAR / PLATE / BLOCK

2014-R1

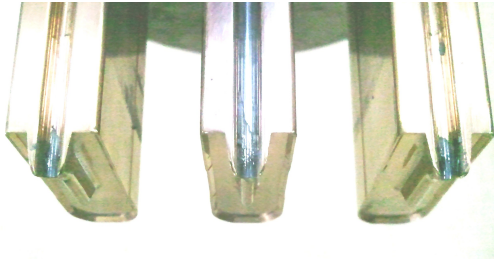


The dimensions can be made smaller than specified , Call for larger Dimension larger than specified. Surfaces can be ground for tighter tolerances and assembly into larger cores.

Catalog #	Dimensions [mm]										Weight			
	A	B	C	TYPICAL GRIND										
Common Name	+/- tol.	+/- tol.	+/- tol.								Grams			
14-02-05	14.00 0.28	1.50 0.05	5.00 0.08	B 2 Sides							0.5			
18-02-10	18.01 0.36	2.01 0.13	10.01 0.20	B 2 Sides							1.7			
22-03-17	21.59 0.43	2.49 0.13	15.88 0.30	B 2 Sides							4.1			
25-03-06	25.40 0.51	3.05 0.13	6.35 0.13	B 2 Sides							2.4			
26-04-05	26.06 0.52	4.01 0.13	4.57 0.13	B 2 Sides							2.3			
28-28-30	30.00 0.51	28.45 0.25	27.99 0.51	B 2 Sides							114.7			
32-03-20	31.80 0.64	3.20 0.13	20.32 0.41	B 2 Sides							9.9			
34-08-08	34.04 0.38	8.13 0.13	8.13 0.25	B 2 Sides							10.8			
35-05-10	34.93 0.69	4.75 0.13	9.53 0.18	B 2 Sides							7.6			
93-28-30	92.99 1.85	27.99 0.25	30.00 0.61	B 2 Sides							374.8			
102-25-25	101.60 2.03	25.40 0.25	25.40 0.51	B 2 Sides							314.6			
102-25-50	101.60 2.03	25.40 0.25	50.80 1.02	B 2 Sides							629.3			
102-03-12	101.60 2.03	3.18 0.13	12.70 0.25	B-C 4 Sides							19.7			
102-07-38	101.50 1.52	7.01 0.13	37.34 0.58	B 2 Sides							127.5			

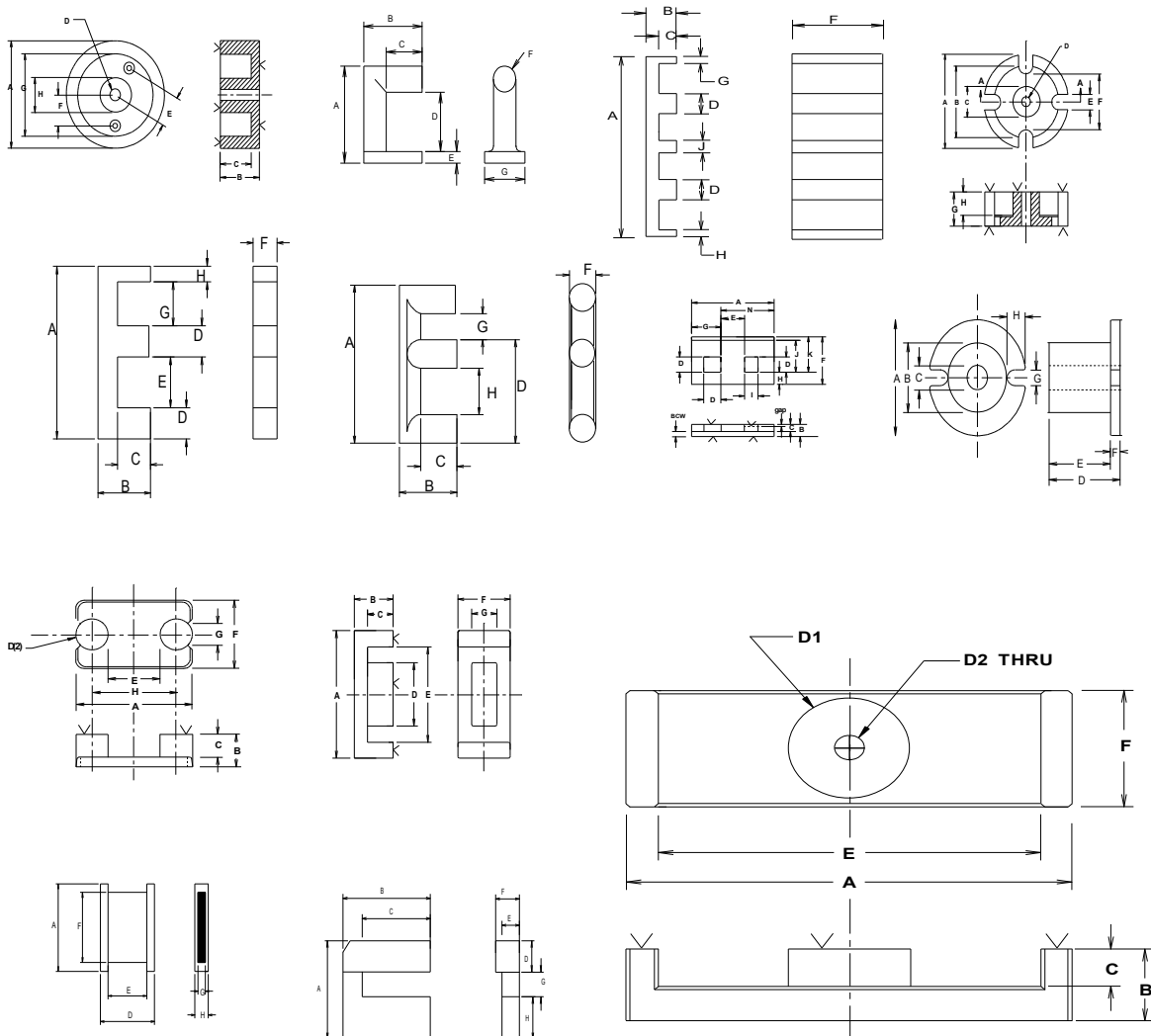
CUSTOM MADE

We design and fabricate our own carbide tooling to produce custom core sizes and shapes.



PROTOTYPES

We also make small quantities of custom cores by machining a block of pressed ferrite material before it is sintered. Samples produced this way have the same characteristics as they would if they were molded in production.



SLICE and DICE

We can cut and grind blocks and slugs for custom and distributed gap applications. Blocks are also used for shielding and focusing induction heating.

History

Ferrite International was established 1985 as a division of Tempel Steel Company and was purchased in 1990 by Tempel Smith.

Quality Policy

To provide the highest value magnetic materials to our customers through a combination of exceptional quality, price, delivery and service.

Ferrite International is compliant to ISO 9000 1994.

International Environmental Regulatory Compliance

RoHS * REACH * ELV * WEEE * Halogen Free

Social Accountability Compliance

US Family and Medical Leave Act

US Environmental Protection Agency

US Clean Air Act

US National Primary Drinking Water Regulation

US Fair Labor Standards Act

US Occupational Safety and Health Administration

US Equal Employment Opportunity Commission

US Conflict Free Minerals

Warranty / Disclaimer

"TSC International" expressly warrants to the "Buyer" for whom it manufactures, sells and delivers product made of magnetic materials will conform to specifications and drawings as published within the product catalog. Buyer specifications that have not been approved by the International Electronic Commission shall be considered as a custom product, and will be warranted by TSC International in a separate written agreement.

There are no other express or implied warranties which extend beyond the above-referenced warranty of conformance to the specifications and specifically. TSC International does not warrant that any product will be merchantable or fit for the particular purpose for which the purchaser, its successors, agents or affiliates, intends to use product. Before using these products, buyer agrees to determine suitability of the product for their intended use or application.

Buyer shall notify TSC International in writing (and reasonable detail) of any defect in any product within thirty (30) days after the delivery date thereof. If products do not conform to the specification and TSC determines to its satisfaction that the parts are defective, and the defect is not due to miss-use, accident or improper application, buyer's remedy shall be limited, at TSC international's sole discretion, to either (1) The return of such product in exchange for the return of, or credit for any payment received by TSC International relating thereto; (2) The replacement of such product; or (3) The repair of such product. TSC International shall pay reasonable shipping costs incurred in connection with the return, replacement or repair of any defective product. Solution to resolve defective product shall be within (60) days after written receipt of written notice from the buyer of such defect.

TSC International shall not be liable for any incidental or consequential loss, damage, or expense (including without limitation, economic loss or lost profits) of buyer for any defective product sold and delivered to the buyer regardless of whether such loss, damage or expense results from breach of contract or warranty or commission of tort (including, without limitation, strict liability or negligence).

These products are not designed for use in life support appliances, devices or systems where malfunction of these products can reasonably be expected to result in personal injury. Buyers that are using or selling these products for use in such applications do so at their own risk and agree to indemnify TSC International for any damages resulting from such application.