



**TSC-ARNOLD TECHNOLOGIES EI LAMINATION DIMENSIONS**

	PART #	FIGURE	A in	B in	C in	D in	E in	F in	G in	H in	Hole in
	EI094	1	0.375	0.203	0.156	0.094	0.281	0.047			
	EI186	1	0.750	0.344	0.250	0.188	0.563	0.094			
	EI187	1	0.750	0.531	0.438	0.188	0.563	0.094			
3/8	EI375	2	1.375	0.938	0.750	0.375	1.000	0.188	0.094	0.688	0.089
	EI21	2	1.625	1.063	0.813	0.500	1.125	0.250	0.125	0.750	0.125
1/2	EI50	2	1.500	1.000	0.750	0.500	1.000	0.250	0.125	0.750	0.125
5/8	EI625	2	1.875	1.250	0.938	0.625	1.250	0.313	0.156	0.938	0.125
3/4	EI75	2	2.250	1.500	1.125	0.750	1.500	0.375	0.188	1.125	0.125
7/8	EI87	3	2.625	1.750	1.313	0.875	1.750	0.438	0.219	0.219	0.187
1	EI100	3	3.000	2.000	1.500	1.000	2.000	0.500	0.250	0.250	0.218
1 1/8	EI112	3	3.375	2.250	1.688	1.125	2.250	0.563	0.281	0.281	0.218
1 1/4	EI125	3	3.750	2.500	1.875	1.250	2.500	0.625	0.313	0.313	0.218
	EI125R*	4	3.750	2.500	1.875	1.250	2.500	0.625	0.219	0.219	0.218
1 3/8	EI138	3	4.125	2.750	2.063	1.375	2.750	0.688	0.344	0.344	0.218
1 1/2	EI150*	4	4.500	3.000	2.250	1.500	3.000	0.750	0.375	0.375	0.218
1 3/4	EI175	3	5.250	3.500	2.625	1.750	3.500	0.875	0.438	0.438	0.281
2	EI200R	5	7.500	5.000	3.750	2.000	5.000	1.250	0.375	0.375	0.391
	EI200SR	3	6.000	4.000	3.000	2.000	4.000	1.000	0.313	0.313	0.313
2 1/8	EI212	3	6.375	4.250	3.188	2.125	4.250	1.063	0.531	0.531	0.328
2 1/4	EI225R	3	6.750	4.500	3.375	2.250	4.500	1.125	0.313	0.313	0.313
2 1/5	EI250R	5	7.500	5.000	3.750	2.500	5.000	1.250	0.375	0.375	0.391
	EI251R	5	9.000	6.750	5.500	2.500	6.500	1.250	0.500	0.500	0.375
3	EI300R	5	9.000	6.000	4.500	3.000	6.000	1.500	0.375	0.375	0.375
4	EI400R	5	12.000	8.000	6.000	4.000	8.000	2.000	0.438	0.438	0.406
1 1/4	EI1250FR	5	4.438	4.375	3.688	1.250	3.063	0.688	0.344	0.344	0.210
1 3/8	EI4731FR*	4	5.250	3.500	2.625	1.375	3.500	0.875	0.438	0.438	0.281
	EI5731FR*	4	5.250	4.875	4.000	1.375	3.500	0.875	0.438	0.438	0.281
1 5/8	EI1625FR	5	5.750	5.313	4.375	1.625	3.875	0.938	0.469	0.469	0.281
2 1/8	EI2125FR	5	7.125	6.750	5.563	2.125	4.750	1.188	0.594	0.594	0.281
2 5/8	EI2625FR	5	8.688	8.219	6.750	2.625	5.750	1.469	0.734	0.734	0.313
3 1/4	EI3250FR	5	10.625	9.938	8.125	3.250	7.000	1.813	0.906	0.906	0.438
1 1/2	EI3P150	5	7.500	5.250	3.750	1.500	4.500	1.500	0.750	0.750	0.344
	EI3P180	5	9.000	6.300	4.500	1.800	5.400	1.800	0.900	0.900	0.344
	EI3P240	5	12.000	8.400	6.000	2.400	7.200	2.400	1.200	1.200	0.406
	EI3P360	5	18.000	12.600	9.000	3.600	10.800	3.600	1.800	1.800	0.547

TSC-ARNOLD TECHNOLOGIES EI LAMINATION SQUARE STACK EFFECTIVE CORE SET PARAM												
	PART #	PATH	CORE	CORE	WINDOW	IN (80% Nickel)		LN (49% Nickel)		Silicon		
		LENGTH	AREA	VOLUME	AREA	0.006	0.014	0.006	0.014	0.014	0.0185	0.025
		Le	Ae	Ve	Wa	Lbs/	Lbs/	Lbs/	Lbs/	Lbs/	Lbs/	Lbs/
		cm	cm^2	cm^3	in^2	Mprs	Mprs	Mprs	Mprs	Mprs	Mprs	Mprs
	EI094	1.64	0.06	0.09	0.09	0.122	0.285	0.115	0.268	0.250	---	---
	EI186	2.97	0.23	0.68	0.30	0.441	1.030	0.419	0.978	0.903	---	---
	EI187	3.93	0.23	0.89	0.53	0.573	1.338	0.541	1.262	1.165	---	---
3/8	EI375	6.90	0.91	6.26	1.51	2.020	4.710	1.910	4.450	4.110	5.420	7.330
	EI21	7.71	1.61	12.44	1.64	3.020	7.060	2.860	6.670	6.170	8.150	10.580
1/2	EI50	7.08	1.61	11.41	1.21	2.810	6.550	2.650	6.170	5.720	7.560	9.800
5/8	EI625	8.85	2.52	22.29	1.89	4.410	10.270	4.160	9.700	8.970	11.850	16.020
3/4	EI75	10.61	3.63	38.51	2.72	6.340	14.800	5.980	13.970	13.000	17.200	23.200
7/8	EI87	12.38	4.94	61.17	3.71	---	19.850	---	18.750	17.350	22.900	31.000
1	EI100	14.15	6.45	91.29	4.84	---	25.800	---	24.400	22.600	29.900	40.300
1 1/8	EI112	15.92	8.17	130.00	6.12	---	32.800	---	31.000	28.700	37.900	51.200
1 1/4	EI125	17.69	10.08	178.30	7.56	---	40.800	---	38.400	35.600	47.100	63.600
	EI125R*	17.69	10.08	178.30	7.56	---	40.800	---	38.400	35.600	47.100	63.600
1 3/8	EI138	19.46	12.20	237.35	9.15	---	---	---	---	43.200	57.200	77.200
1 1/2	EI150*	21.23	14.52	308.10	10.89	---	---	---	---	51.600	68.200	92.200
1 3/4	EI175	24.76	19.76	489.25	14.82	---	---	---	---	69.300	91.500	123.800
2	EI200R	35.79	29.58	1,058.67	36.29	---	---	---	---	126.300	166.800	---
	EI200SR	28.30	25.81	730.31	19.36	---	---	---	---	88.500	118.800	---
2 1/8	EI212	27.80	32.48	902.98	11.57	---	---	---	---	96.900	130.600	---
2 1/4	EI225R	31.84	32.66	1,039.84	24.50	---	---	---	---	108.800	146.700	---
2 1/5	EI250R	35.38	40.32	1,426.39	30.24	---	---	---	---	133.100	179.500	---
	EI251R	48.08	40.32	1,938.49	70.97	---	---	---	---	178.600	240.600	---
3	EI300R	42.45	58.06	2,464.80	43.55	---	---	---	---	193.100	260.300	---
4	EI400R	56.60	103.23	5,842.50	77.42	---	---	---	---	344.700	455.200	---
1 1/4	EI1250FR	28.65	10.67	305.71	21.57	---	---	---	---	17.380	---	---
1 3/8	EI4731FR*	25.05	14.12	353.71	17.99	---	---	---	---	61.520	---	---
	EI5731FR*	31.92	13.97	445.93	27.42	---	---	---	---	77.090	---	---
1 5/8	EI1625FR	35.02	18.54	649.31	31.75	---	---	---	---	93.110	---	---
2 1/8	EI2125FR	44.04	31.13	1,370.78	47.11	---	---	---	---	163.000	---	---
2 5/8	EI2625FR	53.49	47.53	2,542.74	68.04	---	---	---	---	226.640	---	---
3 1/4	EI3250FR	64.73	72.73	4,707.80	98.29	---	---	---	---	338.370	---	---
1 1/2	EI3P150	33.52	20.20	677.22	36.29	---	---	---	---	140.520	---	---
	EI3P180	40.22	29.09	1,170.24	52.26	---	---	---	---	203.240	---	---
	EI3P240	53.63	51.72	2,773.90	92.90	---	---	---	---	362.080	488.110	---
	EI3P360	80.45	116.38	9,361.90	209.03	---	---	---	---	815.910	---	---

Other material thicknesses and ASTM grades available upon request