Benaka ELECTRONICS

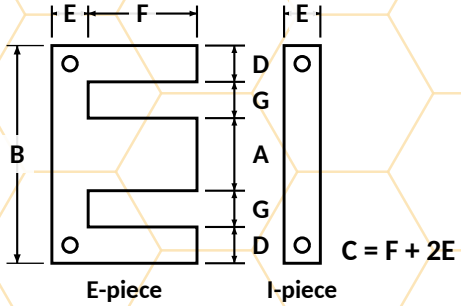
Manufacturers of Transformers, Coils, Laminations
Pressed Components and Plastic Injection Molded Components

Mobile: 9900154124
Email: sales@benaka.com

SINGLE PHASE - EI LAMINATIONS - DIMENSIONS

Type	International Equivalent	Centre Limb	Height	E+I Height	Limb Width	I Width	Window Height	Window Width	Hole Dia.	Holes per E / I	Weight per inch	Weight per Sq. stack
		A	B	C	D	E	F	G			in gm	in gm
EI-19	EI-19	5.0	19.0	15.0	2.5	2.5	10.0	4.5			38	7
32 - Big E	EI-25.4 - Big E	6.35	25.4	12.7	3.18	-	9.53	6.35			39	10
32 - Small E	EI-25.4 - Small E	6.35	25.4	6.35	3.18	-	3.18	6.35			23	6
EI-25.4	EI-25.4	6.4	25.4	19.3	3.2	3.2	12.9	6.4			63	16
EI-28	EI-28	8.0	28.0	25.0	4.0	4.0	17.0	6.0			96	30
EI-30	EI-30	10.0	30.0	25.0	5.0	5.0	15.0	5.0			117	46
EI-35	EI-35	9.6	35.0	29.5	5.0	5.0	19.5	7.7			142	54
17	EI-38.1	12.7	38.1	31.8	6.35	6.35	19.1	6.35			188	94
EI-41	EI-41	13.0	41.0	33.0	6.0	6.0	21.0	8.0			198	101
12A	EI-48	16.0	48.0	40.0	8.0	8.0	24.0	8.0			298	188
74	-	17.47	52.4	43.67	8.73	8.73	26.2	8.73			356	245
23	EI-57	19.0	57.0	47.5	9.5	9.5	28.5	9.5			421	315
30	EI-60	20.0	60.0	50.0	10.0	10.0	30.0	10.0	4.0	2	457	360
31	EI-66 / EI-66.6	22.2	66.6	55.5	11.1	11.1	33.3	11.1			575	502
45	EI-66 / EI-66.6	22.2	66.6	55.5	11.1	11.1	33.3	11.1	4.0	2	565	494
EI-71.6	EI-71.6	22.0	71.6	60.6	13.8	11.0	35.8	11.0	4.5	2	678	587
15	EI-76.2	25.4	76.2	63.5	12.7	12.7	38.1	12.7	5.5	2	734	734
33	EI-84	28.0	84.0	70.0	14.0	14.0	42.0	14.0	5.5	2	896	987
EI-85	EI-85	26.0	85.0	72.0	13.0	13.0	46.0	16.5	6.0	2	872	893
3	EI-96	32.0	96.0	80.0	16.0	16.0	48.0	16.0	6.5	2	1168	1472
EI-105	EI-105	35.0	105.0	87.5	17.5	17.5	52.5	17.5	5.5	2	1410	1943
16	EI-114.3	38.1	114.3	95.4	19.05	19.05	57.1	19.05	6.5	2	1670	2505
EI-114	EI-114	38.0	114.0	95.0	19.0	19.0	57.0	19.0	7.0	2	1654	2474

Weight per inch: weight of a 25.4 mm (1 inch) stack. Weight per sq. stack: weight of a stack equal in height to the centre limb A. Weights are approximate.
32 - Big E and 32 - Small E are supplied as a set.
EI-71.6: the back of the E-piece (13.8) differs from the I width E (11.0), so C = 13.8 + 35.8 + 11.0 = 60.6 (E and I side by side).



All Dimensions are in mm Tolerance is +/- 0.10 mm

#13, West of Chord Road, 4th Main, 4th Cross, Rajajinagar Industrial Town, Bangalore - 560 010.

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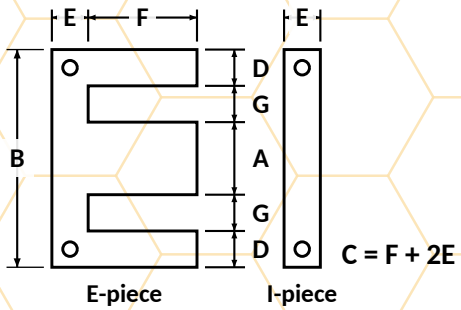
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SINGLE PHASE - EI LAMINATIONS - DIMENSIONS

Type	International Equivalent	Centre Limb	Height	E+I Height	Limb Width	I Width	Window Height	Window Width	Hole Dia.	Holes per E / I	Weight per inch	Weight per Sq. stack
		A	B	C	D	E	F	G			in gm	in gm
EI-120	EI-120	40.0	120.0	100.0	20.0	20.0	60.0	20.0	7.2	2	1834	2888
5	-	38.1	120.7	95.25	19.05	19.05	57.15	22.2	6.8	2	1713	2569
6	-	38.1	127.0	114.3	19.05	19.05	76.2	25.4	6.4	2	2043	3065
EI-133.2	EI-133.2	44.4	133.2	111.0	22.2	22.2	66.6	22.2	7.2	2	2267	3962
EI-146	EI-146	41.4	146.0	107.9	20.6	20.6	66.7	31.7	5.5	2	2221	3620
EI-150	EI-150	50.0	150.0	125.0	25.0	25.0	75.0	25.0	6.6	2	2888	5685
43	EI-152.4	50.8	152.4	127.0	25.4	25.4	76.2	25.4	8.0	2	2970	5939
EI-162	EI-162	54.0	162.0	135.0	27.0	27.0	81.0	27.0	9.0	2	3350	7122
EI-171	EI-171	57.0	171.0	142.5	28.5	28.5	85.5	28.5	9.0	2	3738	8389
EI-174	EI-174	58.0	174.0	145.0	29.0	29.0	87.0	29.0	10.5	2	3855	8802
EI-180	EI-180	60.0	180.0	150.0	30.0	30.0	90.0	30.0	11.1	2	4122	9737
EI-184.1	EI-184.1	61.4	184.1	153.4	30.7	30.7	92.1	30.7	11.0	2	4315	10430
8	-	50.8	184.1	171.5	25.4	25.4	120.7	41.3	9.5	2	4143	8285
EI-192	EI-192	64.0	192.0	160.0	32.0	32.0	96.0	32.0	11.0	2	4701	11846
EI-226	EI-226	75.3	226.0	188.3	37.6	37.6	113.0	37.6	13.0	2	6515	19313
8B	-	76.2	235.0	196.9	38.1	38.1	120.7	41.3	11.0	2	6980	20940
EI-240	EI-240	80.0	240.0	200.0	40.0	40.0	120.0	40.0	11.0	2	7388	23268
EI-286	EI-286	95.33	286.0	238.33	47.67	47.67	143.0	47.67	16.0	2	10439	39180
EI-300	EI-300	100.0	300.0	250.0	50.0	50.0	150.0	50.0	16.0	2	11502	45285
100	-	101.6	355.6	254.0	50.8	50.8	152.4	76.2	13.0	3	12883	51531
EI-360	EI-360	120.0	360.0	300.0	60.0	60.0	180.0	60.0	16.0	2	16632	78577
EI-420	EI-420	140.0	420.0	350.0	70.0	70.0	210.0	70.0	16.0	2	22695	125088

Weight per inch: weight of a 25.4 mm (1 inch) stack. Weight per sq. stack: weight of a stack equal in height to the centre limb A. Weights are approximate.



All Dimensions are in mm Tolerance is +/- 0.10 mm

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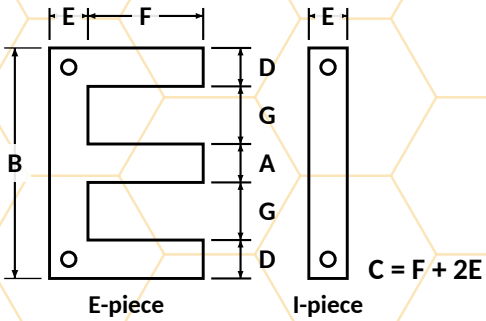
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THREE PHASE - EI LAMINATIONS - DIMENSIONS

Type	International Equivalent	Centre Limb	Height	E+I Height	Limb Width	I Width	Window Height	Window Width	Hole Dia.	Holes per E / I	Weight per inch	Weight per Sq. stack
		A	B	C	D	E	F	G			in gm	in gm
15 TP	EI-76.2 TP	12.7	76.2	63.5	12.7	12.7	38.1	19.1	5.6	2	638	319
3 TP	EI-96 TP	16.0	96.0	80.0	16.0	16.0	48.0	24.0	6.0	2	1023	644
EI-100	EI-100	20.0	100.0	100.0	20.0	20.0	60.0	20.0	6.0	2	1455	1145
16 TP	EI-114 TP	19.05	114.3	95.2	19.05	19.05	57.1	28.57	6.5	2	1455	1091
16 TP	EI-114 TP	19.05	114.3	127.0	19.05	19.05	88.9	28.57	6.5	2	1808	1356
EI-125	EI-125	25.0	125.0	125.0	25.0	25.0	75.0	25.0	5.5	3	2280	2244
6 TP	-	19.0	127.0	114.3	19.0	19.0	76.2	35.0	6.4	2	1759	1316
EI-150	EI-150	30.0	150.0	150.0	30.0	30.0	90.0	30.0	10.0	3	3231	3816
43 TP	EI-152.4 TP	25.4	152.4	127.0	25.4	25.4	76.2	38.1	8.1	2	2593	2593
8 TP	-	25.4	184.1	171.5	25.4	25.4	120.7	53.95	9.5	2	3549	3549
EI-190	EI-190	38.0	190.0	190.0	38.0	38.0	114.0	38.0	10.0	3	5240	7839
EI-190	EI-190	38.0	190.0	171.0	38.0	38.0	95.0	38.0	11.0	3	4799	7180
EI-200	EI-200	40.0	200.0	180.0	40.0	40.0	100.0	40.0	10.0	3	5349	8424
EI-202	EI-202	40.0	202.6	203.3	40.0	41.3	120.7	41.3	11.0	2	5992	9437
8B TP	-	38.1	235.0	196.9	38.1	38.1	120.7	60.35	11.0	2	6086	9130
EI-250	EI-250	50.0	250.0	250.0	50.0	50.0	150.0	50.0	16.0	2	9073	17861
EI-250	EI-250	50.0	250.0	250.0	50.0	50.0	150.0	50.0	11.0	3	9119	17951
EI-300	EI-300	60.0	300.0	275.0	60.0	60.0	155.0	60.0	12.0	3	12285	29019
EI-300	EI-300	60.0	300.0	300.0	60.0	60.0	180.0	60.0	16.0	3	13056	30842
EI-300	EI-300	60.0	300.0	300.0	60.0	60.0	180.0	60.0	11.0	3	13180	31134
100 A	-	50.8	304.8	254.1	50.8	50.8	152.5	76.2	13.0	3	10379	20757
EI-350	EI-350	70.0	350.0	300.0	70.0	70.0	160.0	70.0	11.0	3	15939	43927
EI-350	EI-350	70.0	350.0	350.0	70.0	70.0	210.0	70.0	16.0	3	17856	49209
100 TP	-	50.8	355.6	254.1	50.8	50.8	152.5	101.6	13.0	3	11381	22763

Weight per inch: weight of a 25.4 mm (1 inch) stack. Weight per sq. stack: weight of a stack equal in height to the centre limb A. Weights are approximate.
Sizes listed more than once (16 TP, EI-190, EI-250, EI-300, EI-350) differ in window height and/or hole dia. Please specify both when ordering.



E-piece I-piece

All Dimensions are in mm Tolerance is +/- 0.10 mm

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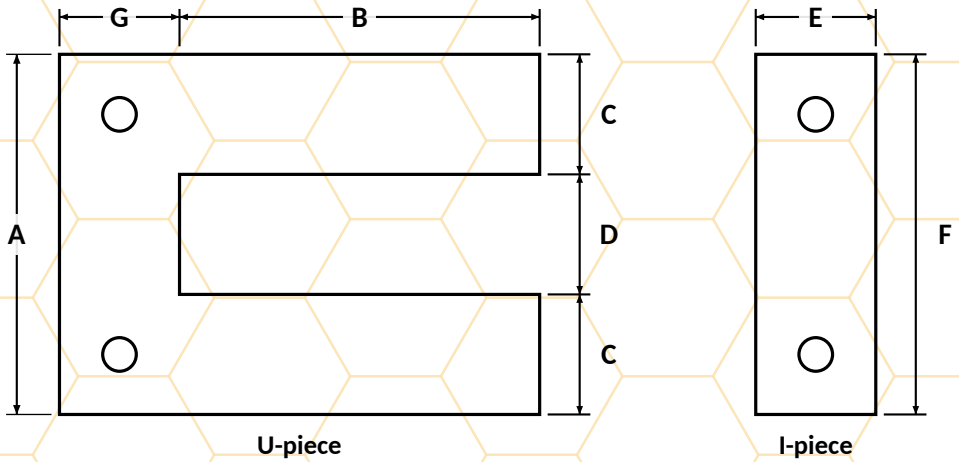
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UI LAMINATIONS - DIMENSIONS

Type	International Equivalent	Lamination Width	Window Height	Limb Width	Window Width	I Width	I Length	Limb Width of U	Hole Dia.	Holes per U / I	Weight per inch	Weight per Sq. stack
		A	B	C	D	E	F	G			in gm	in gm
U-29.3 Big	U-29.3 Big	29.3	9.0	6.7	15.9	-	-	6.7			62	16
U-29.3 Small	U-29.3 Small	29.3	4.4	6.7	15.9	-	-	6.7			50	13
UI-30	UI-30	30.0	30.0	10.0	10.0	10.0	30.0	10.0			233	92
UI-34	UI-34	34.0	31.0	10.0	14.0	10.0	34.0	10.0			253	99
UI-39	UI-39	39.0	39.0	10.0	19.0	8.0	39.0	8.0			273	107
UI-60	UI-60	60.0	60.0	20.0	20.0	20.0	60.0	20.0	5.0	2	917	722
UI-75	UI-75	75.0	75.0	25.0	25.0	25.0	75.0	25.0	6.0	2	1435	1413
UI-79.4	UI-79.4	79.4	76.2	25.4	28.6	25.4	79.4	25.4			1536	1536
UI-90	UI-90	90.0	90.0	30.0	30.0	30.0	90.0	30.0	8.0	2	2059	2432
UI-102	UI-102	102.0	102.0	34.0	34.0	34.0	102.0	34.0	7.8	2	2658	3558
UI-120	UI-120	120.0	120.0	40.0	40.0	40.0	120.0	40.0	8.0	2	3692	5814
UI-133.5	UI-133.5	133.5	133.5	44.5	44.5	44.5	133.5	44.5	9.0	2	4568	8003
UI-150	UI-150	150.0	150.0	50.0	50.0	50.0	150.0	50.0	11.0	2	5755	11330
UI-180	UI-180	180.0	180.0	60.0	60.0	60.0	180.0	60.0	14.0	2	8275	19546

Weight per inch: weight of a 25.4 mm (1 inch) stack. Weight per sq. stack: weight of a stack equal in height to the limb width C. Weights are approximate.
U-29.3 Big and U-29.3 Small are supplied as a set.



U-piece I-piece

All Dimensions are in mm Tolerance is +/- 0.10 mm

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