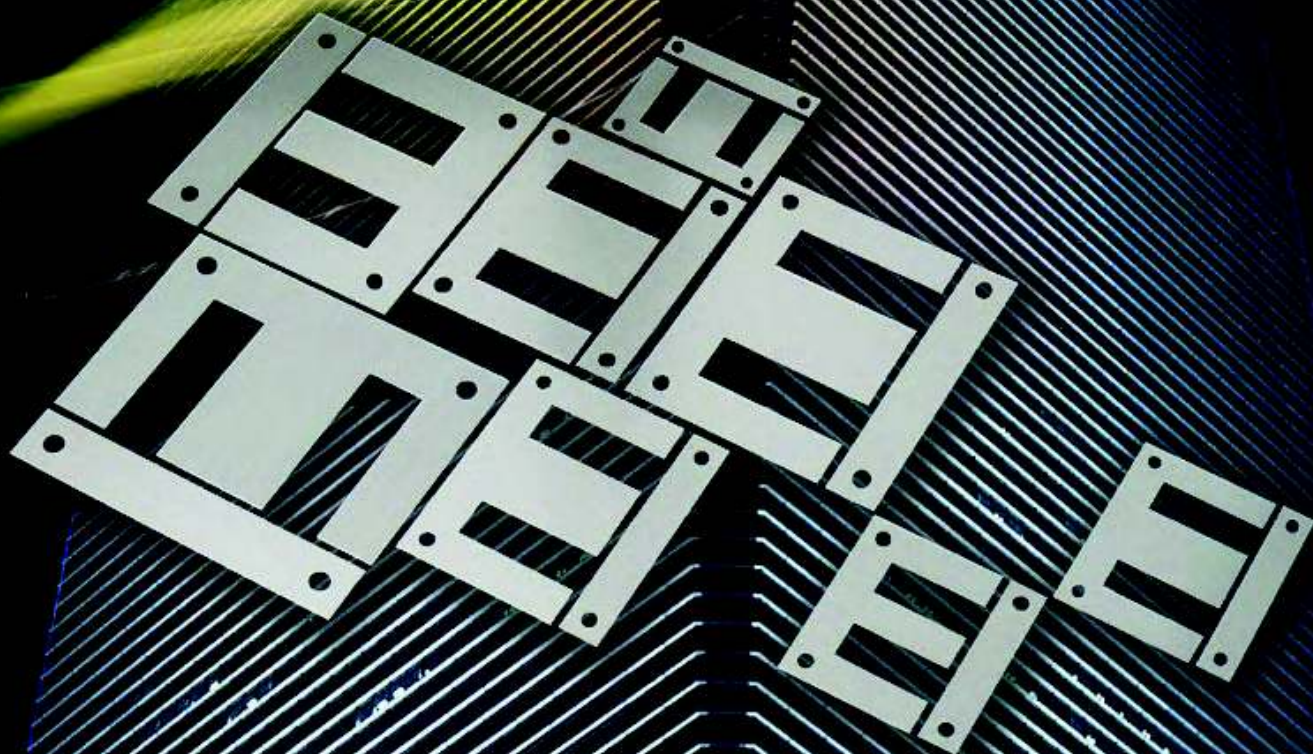


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JEIL Industry

Products Catalogue



JEIL INDUSTRY
JEIL INDUSTRY CO., LTD.

Grade

● International electrical steel grade Index

Cold Rolled Grain Oriented electrical steel - Main Grades

Thickness (mm)	POSCO Grade	CORE LOSS (Typical) W/kg		(Typical) Magnetic Flux Density (B8)	Density (kg/dm ³)	AISI Grade
		W17/50Hz	W15/50Hz			
0.23	23PHD085	0.77	0.57	1.91	7.65	M3
	23PH090	0.88	0.64	1.91	7.65	
0.27	27PHD090	0.87	0.64	1.91	7.65	M4
	27PH095	0.93	0.70	1.91	7.65	
0.3	30PH100	0.99	0.74	1.91	7.65	M5

Cold Rolled NON Grain Oriented electrical steel - Main International Grades

Thickness (mm)	POSCO Grade	JIS Grade	EN10106 Grade	AISI Grade	GOST 21427 Grade	ASTM A677 Grade
0.35	35PN230	35A230	M230-35A			
	35PN250	35A250	M250-35A	M15	2413	36F145
	35PN270	35A270	M270-35A	M19	2412	36F158
	35PN300	35A300	M300-35A	M22	2411	36F168
	35PN350	35A350		M36		36F190
	35PN440	35A440				
0.5	50PN270	50A270				
	50PN290	50A290	M290-50A	M15	2413	47F168
	50PN310	50A310	M310-50A	M19	2412	47F174
	50PN350	50A350	M350-50A	M36	2411	47F205
	50PN400	50A400	M400-50A	M43	2312	47F230
	50PN470	50A470	M470-50A		2311	47F280
	50PN600	50A600	M600-50A		2112	
	50PN700	50A700	M700-50A	M47		47F400
	50PN800	50A800	M800-50A		2111	47F450
	50PN1300	50A1300	M1300-50A			47F550



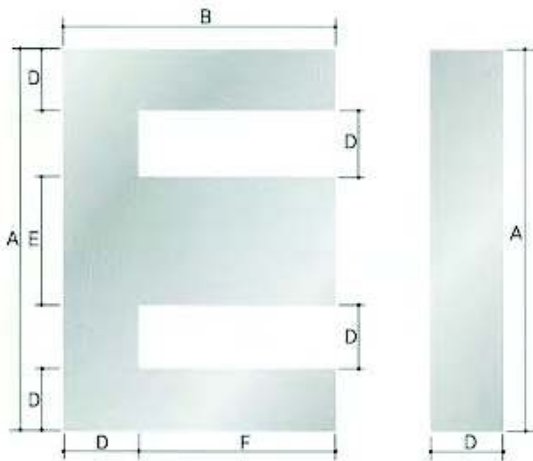
Cold Rolled NON Grain Oriented electrical steel l - Typical Characteristics

Thickness (mm)	POSCO Grade	CORE LOSS (Typical) W/kg				Magnetic Flux Density (T)		Density (kg/dm ³)
		W10/50Hz	W15/50Hz	W10/60Hz	W15/60Hz	B25	B50	
0.35	35PN230	0.89	2.10	1.07	2.60	1.57	1.66	7.60
	35PN250	0.96	2.25	1.17	2.85	1.57	1.66	7.60
	35PN270	1.02	2.40	1.28	3.00	1.58	1.67	7.65
	35PN300	1.08	2.53	1.38	3.18	1.59	1.69	7.65
	35PN350	1.25	2.80	1.55	3.45	1.59	1.69	7.65
	35PN440	1.39	3.08	1.73	3.82	1.62	1.71	7.70
0.5	50PN270	1.05	2.50	1.35	3.22	1.57	1.67	7.60
	50PN290	1.09	2.60	1.45	3.35	1.58	1.67	7.60
	50PN310	1.21	2.70	1.55	3.46	1.59	1.68	7.65
	50PN350	1.30	2.93	1.63	3.74	1.60	1.69	7.65
	50PN400	1.41	3.18	1.82	4.01	1.61	1.70	7.65
	50PN470	1.64	3.55	2.06	4.56	1.61	1.70	7.70
	50PN600	1.98	4.40	2.49	5.63	1.62	1.71	7.75
	50PN700	2.62	5.55	3.30	7.03	1.64	1.72	7.80
	50PN800	2.93	6.26	3.63	7.94	1.66	1.74	7.85
	50PN1300	3.75	7.56	4.75	9.54	1.67	1.75	7.85

Main Products

EI Core is basically used for Transformer, Adapter, Converter, Battery Charger, Reactor.
It looks like alphabet E&I, we call it EI lamination core. A Shape, a grade and an size of EI core products can be decided according to application field.

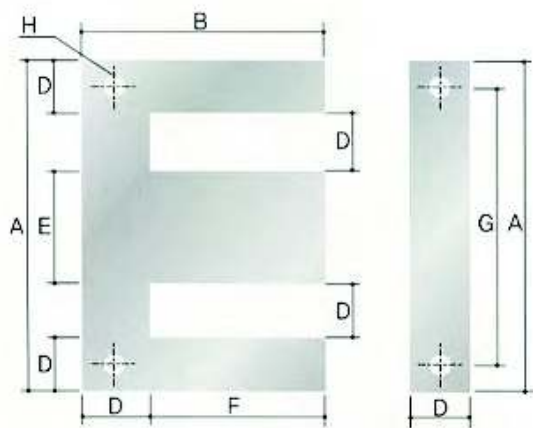
● One Phase EI Type _ Small Size Without Holes



UNIT : m/m

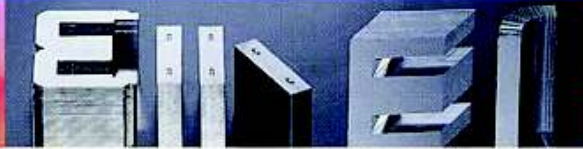
TYPE	A	B	D	E	F
EI - 48	48	32	8	16	24
EI - 54	54	36	9	18	27
EI - 57	57	38	9.5	19	28.5
EI - 60	60	40	10	20	30
EI - 66	66	44	11	22	33
EI - 74	74	51	11.5	23	37

● One Phase EI Type _ With 4 Holes

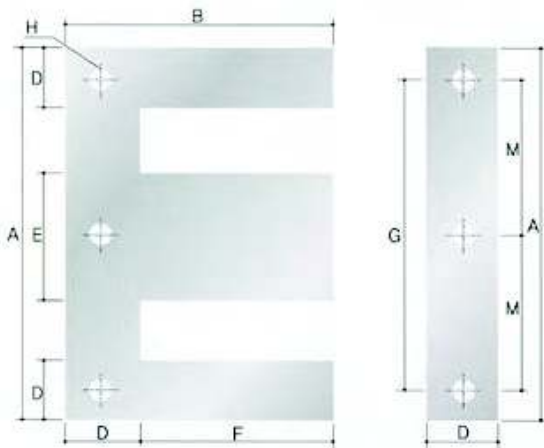


UNIT : m/m

TYPE	A	B	D	E	F	G	H
EI - 66	66	44	11	22	33	55	5
EI - 76.2	76.2	50.8	12.7	25.4	38.1	63.5	5
EI - 85.8	85.8	57.2	14.3	28.6	42.9	71.5	5
EI - 96	96	64	16	32	48	80	6
EI - 105	105	70	17.5	35	52.5	87.5	6
EI - 111	111	74	18.5	37	55.5	92.5	6
EI - 114	114	76	19	38	57	95	7
EI - 133.2	133.2	88.8	22.2	44.4	66.6	111	7
EI - 152.4	152.4	101.6	25.4	50.8	76.2	127	8
EI - 171	171	114	28.5	57	85.5	142.5	8
EI - 181.2	181.2	120.8	30.2	60.4	90.6	151	8
EI - 219	219	146	36.5	73	109.5	182.5	8
EI - 243	243	162	40.5	81	121.5	202.5	10
EI - 270	270	180	45	90	135	225	10
EI - 309	309	206	51.5	103	154.5	257.5	12
EI - 354	354	236	59	118	177	295	12
EI - 420	420	280	70	140	210	350	14



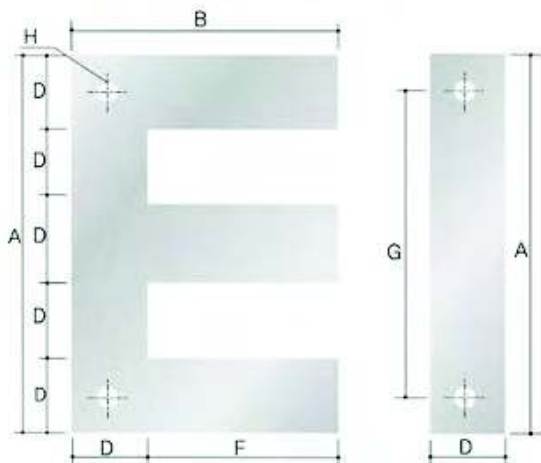
● One Phase EI Type _ With 6 Holes



UNIT : m/m

TYPE	A	B	D	E	F	G	M	H
EI - 450	450	400	75	150	225	375	187.5	13
EI - 480	480	320	80	160	240	400	200	13
EI - 510	510	340	85	170	255	425	212.5	13
EI - 540	540	360	90	180	270	450	225	13
EI - 600	600	400	100	200	300	500	250	13

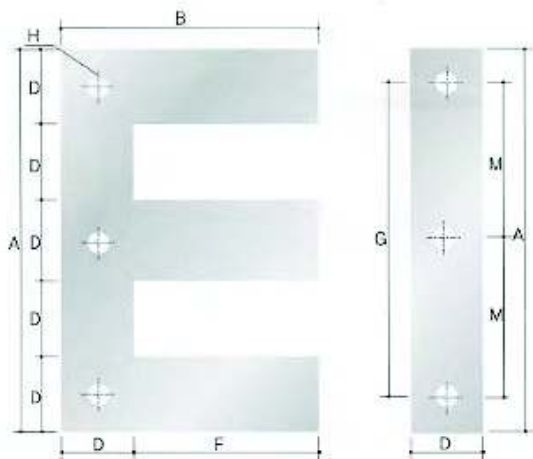
● Three Phase EIT Type _ With 4 Holes



UNIT : m/m

TYPE	A	B	D	F	G	H
EIT - 80	80	56	16	40	64	6
EIT - 113.8	113.8	79.66	22.76	57	91.04	7
EIT - 130	130	91	26	65	104	7
EIT - 145	145	101.5	29	72.5	120	8
EIT - 160	160	112	32	80	128	8
EIT - 190	190	133	38	95	152	8
EIT - 194	194	135.8	38.8	97	155.2	8
EIT - 227.5	227.5	159.25	45.5	113.75	182	9
EIT - 250	250	175	50	125	200	11
EIT - 275	275	192.5	55	137.5	220	11
EIT - 300	300	210	60	150	240	11
EIT - 325	325	227.5	65	162.5	260	12
EIT - 335	335	255	55	200	280	12
EIT - 350	350	251	70	181	284	9
EIT - 375	375	262.5	75	187.5	300	12
EIT - 415	415	290.5	83	207.5	332	12

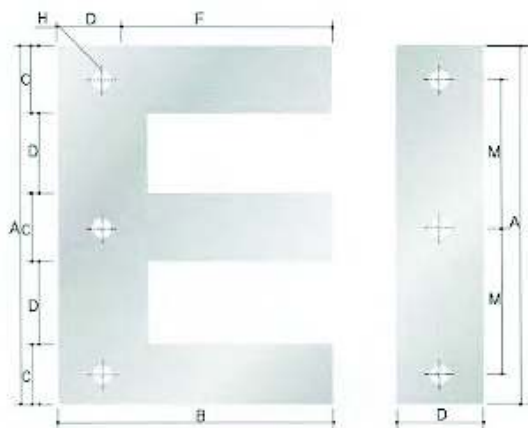
Main Products



● Three Phase EIT Type _ With 6 Holes

UNIT : m/m

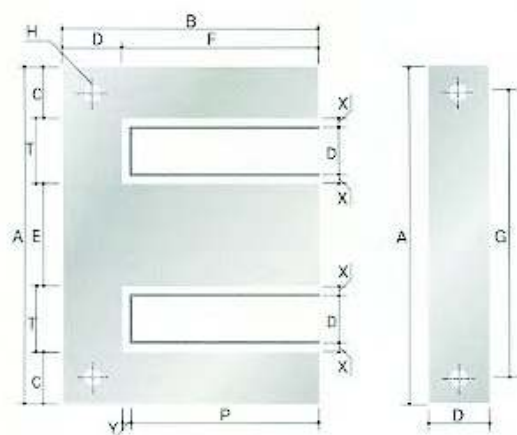
TYPE	A	B	D	F	G	M	H
EIT - 250	250	175	50	125	200	100	11
EIT - 455	455	318.5	91	227.5	364	182	13
EIT - 550	550	385	110	275	440	220	13



● Three Phase Special - B-Type _ With 6 Holes

UNIT : m/m

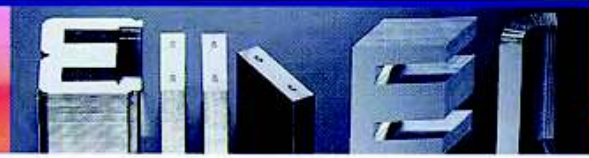
TYPE	A	B	C	D	F	M	H
EITB - 325	325	233.5	61	71	162.5	127	12
EITB - 455	455	323	88	95.5	227.5	183.5	13
EITB - 550	550	400	100	125	275	225	13
EITB - 630	630	450	120	135	315	255	13



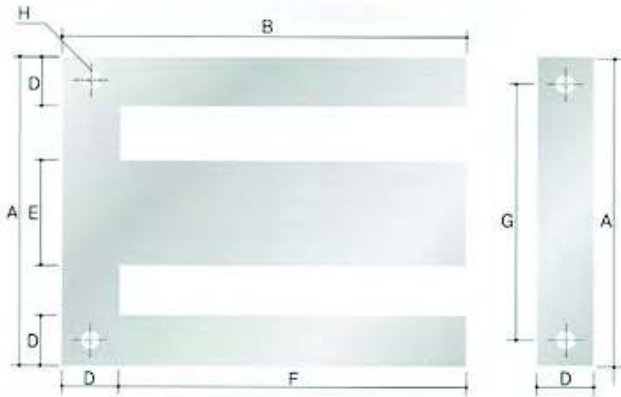
● Special EIT Type

UNIT : m/m

EIS - 28	A : 28	C : 4	E : 8	G :	P : 16	X : 1
	B : 21	D : 4	F : 15	H: No Hole	T : 6	Y : 1
EIS - 35	A : 35	C : 5	E : 9.6	G :	P : 18.5	X : 1.35
	B : 24.5	D : 5	F : 19.5	H: No Hole	T : 7.7	Y : 1
EIS - 41	A : 41	C : 6	E : 13	G :	P : 20.5	X : 1
	B : 27	D : 6	F : 21	H: No Hole	T : 8	Y : 0.5
EIS - 141A	A : 141	C : 27	E : 27	G : 114	P : 70.5	X : 1.5
	B : 107	D : 27	F : 80	H : 8	T : 30	Y : 9.5
EIS - 146A	A : 146	C : 22	E : 44	G : 124	P : 73	X : 3.5
	B : 98	D : 22	F : 76	H : 6.5	T : 29	Y : 3

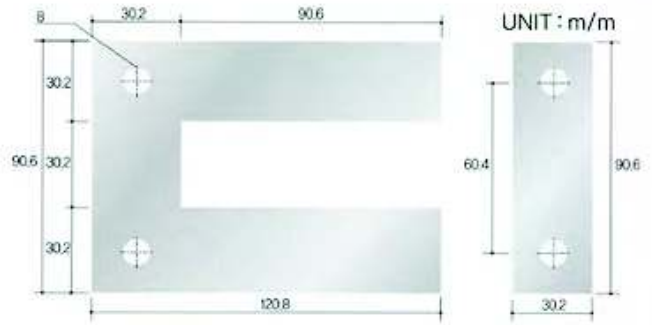


● **Special EIT Type _ 4 Holes**

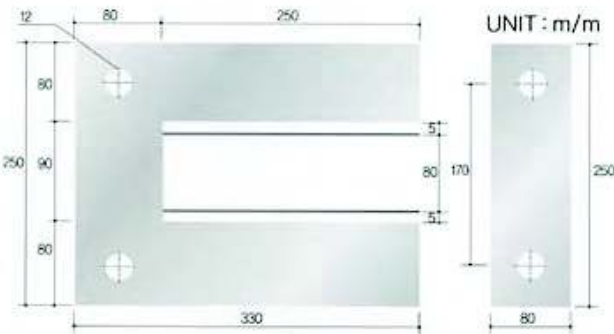


TYPE : EIL - 240						
A : 240	B : 280	D : 40	E : 80	F : 240	G : 200	H : 11

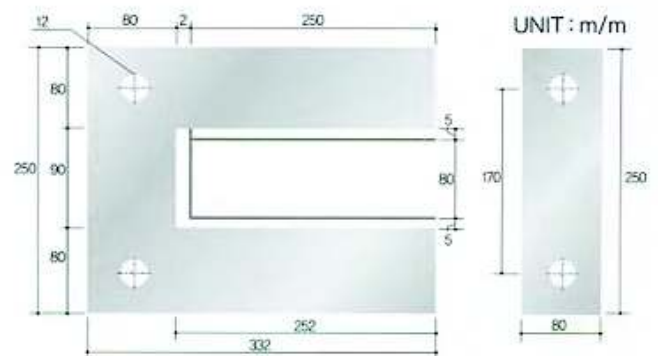
● **UI-Special Type _ 90.6m/m**



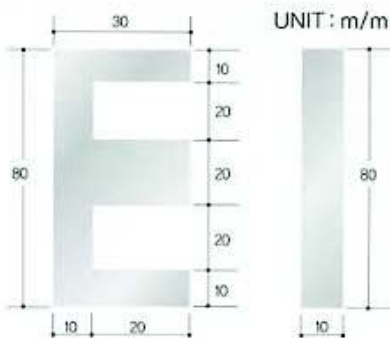
● **UIC-Special Type _ 250m/m**



● **UIS-Special Type _ 250m/m**



● **Slim Type _ 80m/m**



● **Non I Special type _ 63m/m**

