

## C - CORE SM-Type

TYPE	OVERALL DIMENSIONS (mm)		STRIP WIDTH (mm)		BUILD UP (mm)		WINDOW (mm)		RADIUS (mm)	LENGTH OF FLUX PATH (mm)	EFFECTIVE CORE CROSS SECTION (mm <sup>2</sup> )		NOMINAL WEIGHT (g)	
	A	B	D	D	E	E	F	G			L <sub>m</sub>	A <sub>c</sub>	W <sub>t</sub>	
SM range	max	max	min	max	min	max	min	max	max	mean	0.30mm	0.10mm	0.30mm	0.10mm
DIN 41309														
SM 30a	14.3	28.6	6.5	7.0	3.0	3.5	7.0	21.0	1.0	66.2	18.5	17.9	9.4	9.1
SM 30b			10.5	11.0							29.9	29.0	15.2	14.7
SM 42	21.8	43.6	14.5	15.2	5.2	6.0	9.5	31.0	1.5	98.2	71.6	69.4	53.8	52.1
SM 55	28.4	56.3	20.0	20.8	7.7	8.5	11.0	38.5		124.3	146.3	141.7	139.1	134.7
SM 65	33.2	65.6	26.2	27.0	9.0	9.9	13.0	45.0		145.7	224.0	216.9	249.7	241.8
SM 74	37.7	74.6	31.5	32.5	10.5	11.4	14.5	51.0		165.4	314.2	304.3	397.6	385.1
SM 85a	43.2	85.6	31.5	32.5	13.4	14.4	14.0	56.0	2.0	183.0	401.0	388.3	561.3	543.6
SM 85b			44.5	45.5						566.5	548.6	793.0	767.9	
SM 102a	51.9	103.0	34.5	35.5	15.9	16.9	17.5	68.0		222.4	521.1	504.7	886.7	858.7
SM 102b			51.5	52.6					777.9	753.3	1323.7	1281.9		

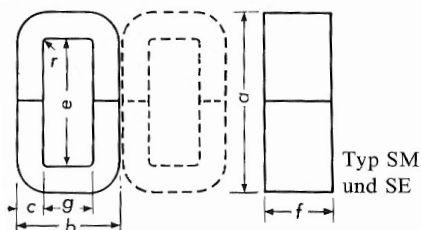
CORE DESIGNATION	Bm=1.7T f=50Hz				CORE DESIGNATION	Bm=1.5T	Bm=1.0T	Bm=1.5T	Bm=1.0T
	TOTAL EXCITATION (VA)		TOTAL LOSSES (W)			f=400Hz		f=400Hz	
	GRADE	GRADE AA	GRADE	GRADE AA		TOTAL EXCITATION (VA)		TOTAL LOSSES (W)	
						GRADE H	GRADE HH	GRADE	GRADE HH
30 SM 30a	0.21	0.12	0.02	0.02	10 SM 30a	1.48	0.25	0.20	0.09
30 SM 30b	0.34	0.19	0.03	0.03	10 SM 30b	2.39	0.41	0.32	0.15
30 SM 42	1.00	0.56	0.11	0.10	10 SM 42	6.27	1.13	1.15	0.52
30 SM 55	2.33	1.32	0.28	0.25	10 SM 55	13.73	2.60	2.96	1.35
30 SM 65	3.94	2.25	0.50	0.45	10 SM 65	22.18	4.36	5.32	2.42
30 SM 74	6.01	3.45	0.80	0.72	10 SM 74	32.64	6.60	8.47	3.85
30 SM 85a	8.21	4.74	1.12	1.01	10 SM 85a	43.40	8.98	11.96	5.44
30 SM 85b	11.60	6.69	1.59	1.43	10 SM 85b	61.31	12.69	16.89	7.68
30 SM 102a	12.26	7.13	1.77	1.60	10 SM 102a	61.54	13.34	18.89	8.59
30 SM 102b	18.30	10.65	2.65	2.38	10 SM 102b	91.87	19.91	28.20	12.82

## C – CORE SE-Type

TYPE	OVERALL DIMENSIONS (mm)		STRIP WIDTH (mm)		BUILD UP (mm)		WINDOW (mm)		RADIUS (mm)	LENGTH OF FLUX PATH (mm)	EFFECTIVE CORE CROSS SECTION (mm <sup>2</sup> )		NOMINAL WEIGHT (g)	
	A	B	D	D	E	E	F	G			L <sub>m</sub>	A <sub>c</sub>	W <sub>t</sub>	
SE RANGE	max	max	min	max	min	max	min	min	max	mean	0.30mm	0.10mm	0.30mm	0.10mm
DIN 41309														
SE 60	30.5	52.2	19.7	20.5	9.1	9.9	10.5	32.0	1.5	114.1	170.3	164.9	148.7	144.0
SE 66	33.5	57.2	21.7	22.5	10.1	10.9	11.5	35.0		125.3	208.2	201.6	199.5	193.2
SE 78	39.5	68.2	26.1	27.0	12.1	12.9	13.5	42.0	2.0	148.7	300.0	290.6	341.2	330.4
SE 84a	42.6	73.4	28.0	29.0	13.1	13.9	14.5	45.0		160.1	348.5	337.5	426.8	413.3
SE 84b			42.0	43.0						522.7	506.2	640.2	620.0	
SE 92a	46.2	77.6	23.0	24.0	10.6	11.4	23.0	54.0		187.6	231.6	224.3	332.3	321.8
SE 92b			32.0	33.0						322.2	312.1	462.3	447.8	
SE 106a	53.2	88.6	32.0	33.0	13.6	14.4	24.0	59.0		209.0	413.4	400.4	661.0	640.1
SE 106b			45.0	46.0						581.4	563.0	929.5	900.1	
SE 130a	65.3	108.8	36.0	37.2	16.5	17.4	30.0	73.0		258.7	564.3	546.5	1116.8	1081.5
SE 130b			46.0	47.2						721.0	698.3	1427.0	1381.9	
SE 150a			40.0	41.2							718.2	695.5	1629.2	1577.8
SE 150b	75.2	123.8	50.0	51.2	18.9	19.8	35.0	83.0	296.5	897.8	869.4	2036.5	1972.2	
SE 150c			60.0	61.2						1077.3	1043.3	2443.8	2366.7	
SE 170a			54.5	56.0							1092.5	1058.0	2896.9	2805.4
SE 170b	85.0	145.8	64.5	66.0	21.1	22.1	40.0	100.0	346.6	1292.9	1252.1	3428.5	3320.2	
SE 170c			74.5	76.0						1493.4	1446.2	3960.0	3835.0	
SE 195a			55.5	57.0							1381.4	1337.8	4532.1	4389.0
SE 195b	98.2	186.8	68.5	70.0	26.2	27.3	42.5	130.0	428.9	1705.0	1651.1	5593.6	5417.0	
SE 195c			83.5	85.0						2078.3	2012.7	6818.5	6603.2	
SE 231a			61.5	63.0							1799.5	1742.7	6867.0	6650.2
SE 231b	116.1	216.0	77.5	79.0	30.8	32.1	50.5	149.0	498.8	2267.7	2196.0	8653.5	8380.3	
SE 231c			96.5	98.0						2823.6	2734.4	10780.0	10430.0	

Please note that there are more “Standard-cores” on demand available! All types are available in SiFe and NiFe (50%, 80%) quality.

All electrical values available up on request

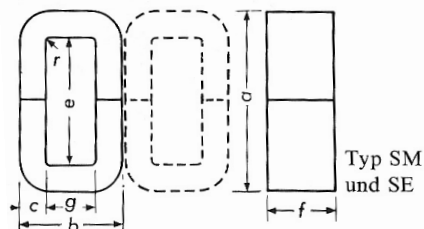


## C – CORE 30SE-Type

CORE DESIGNATION	Bm=1.7T f=50Hz				CORE DESIGNATION	Bm=1.5T	Bm=1.0T	Bm=1.5T	Bm=1.0T
	TOTAL EXCITATION (VA)		TOTAL LOSSES (W)			f=400Hz	f=400Hz	f=400Hz	f=400Hz
	GRADE A	GRADE AA	GRADE A	GRADE AA		GRADE H	GRADE HH	GRADE H	GRADE HH
30 SE 60	2.58	1.46	0.30	0.27	10 SE 60	15.56	2.90	3.17	1.44
30 SE 66	3.34	1.89	0.40	0.36	10 SE 66	19.58	3.71	4.25	1.93
30 SE 78	5.35	3.06	0.68	0.61	10 SE 78	29.93	5.91	7.27	3.30
30 SE 84a	6.52	3.74	0.85	0.77	10 SE 84a	35.74	7.17	9.09	4.13
30 SE 84b	9.78	5.61	1.28	1.15	10 SE 84b	53.61	10.76	13.64	6.20
30 SE 92a	4.82	2.79	0.66	0.60	10 SE 92a	25.33	5.27	7.08	3.22
30 SE 92b	6.71	3.88	0.92	0.83	10 SE 92b	35.24	7.34	9.85	4.48
30 SE 106a	9.29	5.39	1.32	1.19	10 SE 106a	47.43	10.13	14.08	6.40
30 SE 106b	13.07	7.59	1.86	1.67	10 SE 106b	66.70	14.25	19.80	9.00
30 SE 130a	14.85	8.69	2.23	2.01	10 SE 130a	71.82	16.13	23.79	10.82
30 SE 130b	18.98	11.11	2.85	2.57	10 SE 130b	91.77	20.61	30.40	13.82
30 SE 150a	21.00	12.35	3.26	2.93	10 SE 150a	98.33	22.78	34.71	15.78
30 SE 150b	26.25	15.44	4.07	3.67	10 SE 150b	122.91	28.48	43.39	19.72
30 SE 150c	31.50	18.53	4.89	4.40	10 SE 150c	147.50	34.18	52.07	23.67
30 SE 170a	36.17	21.39	5.79	5.21	10 SE 170a	163.62	39.24	61.72	28.05
30 SE 170b	42.80	25.32	6.86	6.17	10 SE 170b	193.65	46.44	73.04	33.20
30 SE 170c	49.44	29.24	7.92	7.13	10 SE 170c	223.67	53.64	84.37	38.35
30 SE 195a	54.50	32.45	9.06	8.16	10 SE 195a	236.31	59.21	96.56	43.89
30 SE 195b	67.27	40.05	11.19	10.07	10 SE 195b	291.66	73.08	119.17	54.17
30 SE 195c	82.00	48.82	13.64	12.27	10 SE 195c	355.53	89.08	145.27	66.03
30 SE 231a	80.72	48.25	13.73	12.36	10 SE 231a	340.66	87.82	146.30	66.50
30 SE 231b	101.73	60.80	17.31	15.58	10 SE 231b	429.29	110.67	184.37	83.80
30 SE 231c	126.66	75.71	21.55	19.40	10 SE 231c	534.53	137.81	229.57	104.35

Please note that there are more “Standard-cores” on demand available! All types are available in SiFe and NiFe (50%, 80%) quality.

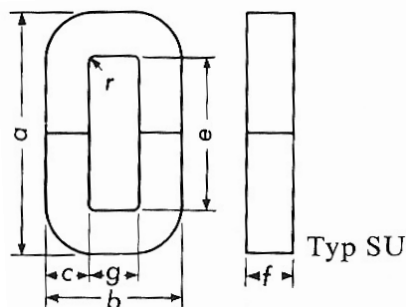
All electrical values available up on request



## C – CORE SU-Type

TYPE	OVERALL DIMENSIONS		STRIP WIDTH		BUILD UP		WINDOW		RADIUS	LENGTH FLUX	EFFECTIVE CORE CROSS SECTION		NOMINAL WEIGHT		
	A	B	D	D	E	E	F	G			L <sub>m</sub>	A <sub>c</sub> , min		W <sub>n</sub> , min	
	max	max	min	max	min	max	min	min				0.30mm	0.10mm	0.30mm	0.10mm
DIN 41309 <b>SU RANGE</b>									R	mean					
SU 15a	15.0	28.7	5.0	5.4	4.4	4.9	5.0	18.5	1.5	60.4	20.9	20.2	9.7	9.4	
SU 15b			8.0	8.4						91.8	33.4	32.4	15.5	15.0	
SU 24a	24.0	42.7	8.0	8.5	7.3	7.9	8.0	26.5		91.8	55.5	56.7	39.0	37.7	
SU 24b			13.0	13.5						91.8	90.2	87.3	63.3	61.33	
SU 30a	30.0	52.7	9.5	10.1	9.1	9.9	10.0	32.5		114.1	82.1	79.5	71.7	69.4	
SU 30b			15.5	16.1						114.1	134.0	129.8	117.0	113.3	
SU 39a	39.1	67.9	12.5	13.4	12.1	12.9	13.0	41.5		147.8	143.7	139.2	162.5	157.4	
SU 39b			19.5	20.4						147.8	224.2	217.1	253.5	245.5	
SU 48a	48.0	82.9	15.5	16.5	14.9	15.8	16.0	50.5		181.2	219.4	212.5	304.2	294.6	
SU 48b			24.5	25.5						181.2	346.8	335.9	480.8	465.6	
SU 60a	60.1	103.6	19.5	20.6	18.9	19.8	20.0	63.0	2.0	226.2	350.1	339.1	606.0	586.8	
SU 60b			29.5	30.6						226.2	529.7	513.0	916.7	887.7	
SU 75a	75.0	128.6	25.0	26.1	23.7	24.7	25.0	78.0		281.9	562.9	545.1	1213.9	1175.6	
SU 75b			40.0	41.1						281.9	900.6	872.2	1942.3	1889.0	
SU 90a	90.0	155.8	29.5	30.9	28.5	29.6	30.0	95.0		340.2	798.7	773.5	2078.6	2012.9	
SU 90b			49.5	50.9						340.2	1340.2	1297.9	3487.8	3377.6	
SU 102a	102.4	175.4	34.0	35.4	32.5	33.7	34.0	106.0		383.7	1049.8	1016.6	3081.0	2983.7	
SU 102b			55.0	56.4						383.7	1698.1	1644.5	4984.0	4826.6	
SU 114a	114.4	195.6	37.5	39.2	36.3	37.6	38.0	118.0		428.5	1293.2	1252.3	4239.1	4105.3	
SU 114b			61.5	63.2						428.5	2120.8	2053.9	6952.2	6732.7	
SU 132a	132.1	225.4	43.5	45.2	42.0	43.4	44.0	136.0	495.0	1735.7	1680.8	6572.7	6365.1		
SU 132b			69.5	71.2					495.0	2773.1	2685.5	10500.0	10170.0		
SU 150a	150.2	255.6	49.5	51.2	47.9	49.4	50.0	154.0	3.0	562.2	2252.5	2181.4	9686.9	9381.0	
SU 150b			74.5	76.2						562.2	3390.1	3283.1	14580.0	14120.0	

Please note that there are more “Standard-cores” on demand available! All types are available in SiFe and NiFe (50%, 80%) quality. All electrical values available up on request.



CORE DESIGNATION 30 SU RANGE	Bm=1.7T f=50Hz				CORE DESIGNATION	Bm=1.5T	Bm=1.0T	Bm=1.5T	Bm=1.0T
	TOTAL EXCITATION (VA)		TOTAL LOSSES (W)			f=400Hz	f=400Hz	f=400Hz	f=400Hz
	GRADE A	GRADE AA	GRADE A	GRADE AA		GRADE H	GRADE HH	GRADE H	GRADE HH
30 SU 15a	0.23	0.13	0.02	0.02	10 SU 15a	1.64	0.28	0.21	0.09
30 SU 15b	0.37	0.20	0.03	0.03	10 SU 15b	2.63	0.44	0.33	0.15
30 SU 24a	0.75	0.42	0.08	0.07	10 SU 24a	4.77	0.85	0.83	0.38
30 SU 24b	1.21	0.68	0.13	0.11	10 SU 24b	7.76	1.39	1.35	0.61
30 SU 30a	1.25	0.70	0.14	0.13	10 SU 30a	7.50	1.40	1.53	0.69
30 SU 30b	2.03	1.15	0.23	0.21	10 SU 30b	12.24	2.28	2.49	1.13
30 SU 39a	2.55	1.46	0.32	0.29	10 SU 39a	14.30	2.82	3.46	1.57
30 SU 39b	3.98	2.27	0.51	0.46	10 SU 39b	22.31	4.40	5.40	2.45
30 SU 48a	4.46	2.57	0.61	0.55	10 SU 48a	23.65	4.89	6.48	2.95
30 SU 48b	7.05	4.07	0.96	0.87	10 SU 48b	37.38	7.72	10.24	4.66
30 SU 60a	8.34	4.85	1.21	1.09	10 SU 60a	41.68	9.07	12.91	5.87
30 SU 60b	12.61	7.34	1.83	1.65	10 SU 60b	63.06	13.72	19.53	8.88
30 SU 75a	15.82	9.29	2.43	2.19	10 SU 75a	74.96	17.17	25.86	11.76
30 SU 75b	25.32	14.87	3.88	3.50	10 SU 75b	119.94	27.47	41.38	18.81
30 SU 90a	26.04	15.40	4.16	3.74	10 SU 90a	118.30	28.26	44.28	20.13
30 SU 90b	43.70	25.83	6.98	6.28	10 SU 90b	198.51	47.41	74.31	33.78
30 SU 102a	37.75	22.40	6.16	5.55	10 SU 102a	167.27	40.98	65.64	29.84
30 SU 102b	61.07	36.24	9.97	8.97	10 SU 102b	270.58	66.29	106.18	48.27
30 SU 114a	50.99	30.35	8.48	7.63	10 SU 114a	221.10	55.39	90.32	41.05
30 SU 114b	83.62	49.78	13.90	12.51	10 SU 114b	362.61	90.84	148.12	67.33
30 SU 132a	77.35	46.22	13.15	11.83	10 SU 132a	326.84	84.15	140.03	63.65
30 SU 132b	123.58	73.85	21.00	18.90	10 SU 132b	522.20	134.44	223.73	101.70
30 SU 150a	112.06	67.18	19.37	17.44	10 SU 150a	463.76	122.09	206.38	93.81
30 SU 150b	168.66	101.10	29.16	26.24	10 SU 150b	697.99	183.76	310.61	141.19

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