

Schnittbandkerne

Tape wound cores

SiFe

NiFe 49 - 68%

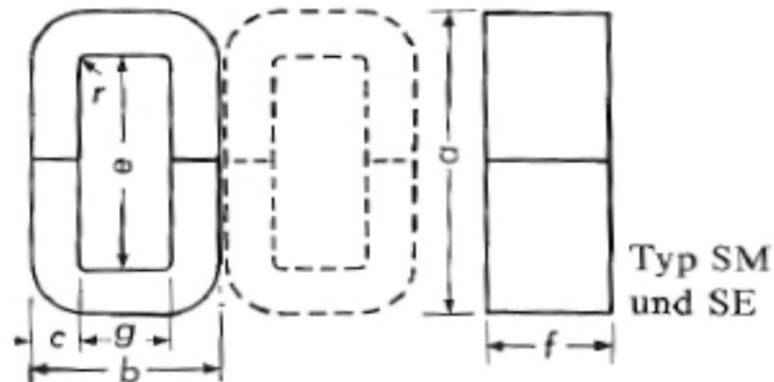
NiFe 80%

CoFe

Type	Overall dimensions (mm)		Strip width (mm)		Build up (mm)		Window (mm)		Radius (mm)	Length of flux path (mm)	Effective core gross section (mm ²)		Nominal weight (g)		Core designation	Bm=1.7T, f=50Hz				Core designation	Bm=1.5T f= 400Hz	Bm=1.0T f= 400Hz	Bm=1.5T f= 400Hz	Bm=1.0T f= 400Hz
	a	b	f	f	c	c	g	e			A _c	W _t	Total excitation (VA)			Total losses (W)		Total excitation (VA)			Total losses (W)			
DIN 41308	max	max	min	max	min	max	min	min	max	mean	0.30mm	0.10mm	0.30mm	0.10mm		Grade A	Grade AA	Grade A	Grade AA		Grade H	Grade HH	Grade H	Grade HH

SM

30a	28.6	14.3	6.5	7.0	3.0	3.5	7.0	21.0	1.0	66.2	18.5	17.9	9.4	9.1	30 SM	0.21	0.12	0.02	0.02	10 SM	1.48	0.25	0.20	0.09
30b			10.5	11.0							29.9	29.0	15.2	14.7		0.34	0.19	0.03	0.03		2.39	0.41	0.32	0.15
42	43.6	21.8	14.5	15.2	5.2	6.0	9.5	31.0	1.5	98.2	71.6	69.4	53.8	52.1		1.00	0.56	0.11	0.10		6.27	1.13	1.15	0.52
55	56.3	28.4	20.0	20.8	7.7	8.5	11.0	38.5	1.5	124.3	146.3	141.7	139.1	134.7		2.33	1.32	0.28	0.25		13.73	2.60	2.96	1.35
65	65.6	33.2	26.2	27.0	9.0	9.9	13.0	45.0	1.5	145.7	224.0	216.9	249.7	241.8		3.94	2.25	0.50	0.45		22.18	4.36	5.32	2.42
74	74.6	37.7	31.5	32.5	10.5	11.4	14.5	51.0	1.5	165.4	314.2	304.3	397.6	385.1		6.01	3.45	0.80	0.72		32.64	6.60	8.47	3.85
85a	85.6	43.2	31.5	32.5	13.4	14.4	14.0	56.0	2.0	183.0	401.0	388.3	561.3	543.6		8.21	4.74	1.12	1.01		43.40	8.98	11.96	5.44
85b			44.5	45.5							566.5	548.6	793.0	767.9		11.60	6.69	1.59	1.43		61.31	12.69	16.89	7.68
102a	103.0	51.9	34.5	35.5	15.9	16.9	17.5	68.0	2.0	222.4	521.1	504.7	886.7	858.7		12.26	7.13	1.77	1.60		61.54	13.34	18.89	8.59
102b			51.5	52.6							777.9	753.3	1323.7	1281.9		18.30	10.65	2.65	2.38		91.87	19.91	28.20	12.82



Type	Overall dimensions (mm)		Strip width (mm)		Build up (mm)		Window (mm)		Radius (mm)	Length of flux path (mm)	Effective core gross section (mm ²)		Nominal weight (g)		Core designation	Bm=1.7T, f=50Hz				Core designation	Bm=1.5T	Bm=1.0T	Bm=1.5T	Bm=1.0T		
	a	b	f	f	c	c	g	e			r	L _m	A _c			W _t		Total excitation (VA)			Total losses (W)		Total excitation (VA)		Total losses (W)	
	max	max	min	max	min	max	min	min			max	mean	0.30mm	0.10mm		0.30mm	0.10mm	Grade A	Grade AA		Grade A	Grade AA	Grade H	Grade HH	Grade H	Grade HH
DIN 41309																										
SE																										
60	52.2	30.5	19.7	20.5	9.1	9.9	10.5	32.0	1.5	114.1	170.3	164.9	148.7	144.0	30 SE	2.58	1.46	0.30	0.27	10 SE	15.56	2.90	3.17	1.44		
66	57.2	33.5	21.7	22.5	10.1	10.9	11.5	35.0		125.3	208.2	201.6	199.5	193.2		3.34	1.89	0.40	0.36		19.58	3.71	4.25	1.93		
78	68.2	39.5	26.1	27.0	12.1	12.9	13.5	42.0		148.7	300.0	290.6	341.2	330.4		5.35	3.06	0.68	0.61		29.93	5.91	7.27	3.30		
84a	73.4	42.6	28.0	29.0	13.1	13.9	14.5	45.0		160.1	348.5	337.5	426.8	413.3		6.52	3.74	0.85	0.77		35.74	7.17	9.09	4.13		
84b			42.0	43.0					522.7		506.2	640.2	620.0	9.78	5.61	1.28	1.15	53.61	10.76	13.64	6.20					
92a	77.6	46.2	23.0	24.0	10.6	11.4	23.0	54.0	187.6	231.6	224.3	332.3	321.8	4.82	2.79	0.66	0.60	25.33	5.27	7.08	3.22					
92b			32.0	33.0						322.2	312.1	462.3	447.8	6.71	3.88	0.92	0.83	35.24	7.34	9.85	4.48					
106a	88.6	53.2	32.0	33.0	13.6	14.4	24.0	59.0	209.0	413.4	400.4	661.0	640.1	9.29	5.39	1.32	1.19	47.43	10.13	14.08	6.40					
106b			45.0	46.0						581.4	563.0	929.5	900.1	13.07	7.59	1.86	1.67	66.70	14.25	19.80	9.00					
130a	108.8	65.3	36.0	37.2	16.5	17.4	30.0	73.0	258.7	564.3	546.5	1116.8	1081.5	14.85	8.69	2.23	2.01	71.82	16.13	23.79	10.82					
130b			46.0	47.2						721.0	698.3	1427.0	1381.9	18.98	11.11	2.85	2.57	91.77	20.61	30.40	13.82					
150a	123.8	72.2	40.0	41.2	18.9	19.8	35.0	83.0	296.5	718.2	695.5	1629.2	1577.8	21.00	12.35	3.26	2.93	98.33	22.78	34.71	15.78					
150b			50.0	51.2						897.8	869.4	2036.5	1972.2	26.25	15.44	4.07	3.67	122.91	28.48	43.39	19.72					
150c			60.0	61.2						1077.3	1043.3	2443.8	2366.7	31.50	18.53	4.89	4.40	147.50	34.18	52.07	23.67					
170a	145.8	85.0	54.5	56.0	21.1	22.1	40.0	100.0	346.6	1092.5	1058.0	2896.9	2805.4	36.17	21.39	5.79	5.21	163.62	39.24	61.72	28.05					
170b			64.5	66.0						1292.9	1252.1	3428.5	3320.2	42.80	25.32	6.86	6.17	193.65	46.44	73.04	33.20					
170c			74.5	76.0						1493.4	1446.2	3960.0	3835.0	49.44	29.24	7.92	7.13	223.67	53.64	84.37	38.35					
195a	186.8	98.2	55.5	57.0	26.2	27.3	42.5	130.0	428.9	1381.4	1337.8	4532.1	4389.0	54.50	32.45	9.06	8.16	236.31	59.21	96.56	43.89					
195b			68.5	70.0						1705.0	1651.1	5593.6	5417.0	67.27	40.05	11.19	10.07	291.66	73.08	119.17	54.17					
195c			83.5	85.0						2078.3	2012.7	6818.5	6603.2	82.00	48.82	13.64	12.27	355.53	89.08	145.27	66.03					
231a	216.0	116.1	61.5	63.0	30.8	32.1	50.5	149.0	498.8	1799.5	1742.7	6867.0	6650.2	80.72	48.25	13.73	12.36	340.66	87.82	146.30	66.50					
231b			77.5	79.0						2267.7	2196.0	8653.5	8380.3	101.73	60.80	17.31	15.58	429.29	110.67	184.37	83.80					
231c			96.5	98.0						2823.6	2734.4	10780.0	10430.0	126.66	75.71	21.55	19.40	534.53	137.81	229.57	104.35					

Type	Overall dimensions (mm)		Strip width (mm)		Build up (mm)		Window (mm)		Radius (mm)	Length of flux path (mm)	Effective core gross section (mm ²)		Nominal weight (g)		Core designation	Bm=1.7T, f=50Hz				Core designation	Bm=1.5T	Bm=1.0T	Bm=1.5T	Bm=1.0T			
	DIN 41309	a	b	f	f	c	c	g			e	r	L _m	A _c		W _t		Total excitation (VA)			Total losses (W)		Total excitation (VA)		Total losses (W)		
		max	max	min	max	min	max	min			min	max		0.30mm		0.10mm	0.30mm	0.10mm	Grade A		Grade AA	Grade A	Grade AA	Grade H	Grade HH	Grade H	Grade HH
		f= 400Hz		f= 400Hz		f= 400Hz		f= 400Hz																			
SU																											
15a	28.7	15.0	5.0	5.4	4.4	4.9	5.0	18.5	1.5	60.4	20.9	20.2	9.7	9.4	30 SU	0.23	0.13	0.02	0.02	10 SU	1.64	0.28	0.21	0.09			
15b			8.0	8.4									33.4	32.4		15.5	15.0		0.37		0.20	0.03	0.03		2.63	0.44	0.33
24a	42.7	24.0	8.0	8.5	7.3	7.9	8.0	26.5	2.0	91.8	55.5	56.7	39.0	37.7	30 SU	0.75	0.42	0.08	0.07	10 SU	4.77	0.85	0.83	0.38			
24b			13.0	13.5									90.2	87.3		63.3	61.33		1.21		0.68	0.13	0.11		7.76	1.39	1.35
30a	52.7	30.0	9.5	10.1	9.1	9.9	10.0	32.5	2.0	114.1	82.1	79.5	71.7	69.4	30 SU	1.25	0.70	0.14	0.13	10 SU	7.50	1.40	1.53	0.69			
30b			15.5	16.1									134.0	129.8		117.0	113.3		2.03		1.15	0.23	0.21		12.24	2.28	2.49
39a	67.9	39.1	12.5	13.4	12.1	12.9	13.0	41.5	3.0	147.8	143.7	139.2	162.5	157.4	30 SU	2.55	1.46	0.32	0.29	10 SU	14.30	2.82	3.46	1.57			
39b			19.5	20.4									224.2	217.1		253.5	245.5		3.98		2.27	0.51	0.46		22.31	4.40	5.40
48a	82.9	48.0	15.5	16.5	14.9	15.8	16.0	50.5	3.0	181.2	219.4	212.5	304.2	294.6	30 SU	4.46	2.57	0.61	0.55	10 SU	23.65	4.89	6.48	2.95			
48b			24.5	25.5									346.8	335.9		480.8	465.6		7.05		4.07	0.96	0.87		37.38	7.72	10.24
60a	103.6	60.1	19.5	20.6	18.9	19.8	20.0	63.0	3.0	226.2	350.1	339.1	606.0	586.8	30 SU	8.34	4.85	1.21	1.09	10 SU	41.68	9.07	12.91	5.87			
60b			29.5	30.6									529.7	513.0		916.7	887.7		12.61		7.34	1.83	1.65		63.06	13.72	19.53
75a	128.6	75.0	25.0	26.1	23.7	24.7	25.0	78.0	3.0	281.9	562.9	545.1	1213.9	1175.6	30 SU	15.82	9.29	2.43	2.19	10 SU	74.96	17.17	25.86	11.76			
75b			40.0	41.1									900.6	872.2		1942.3	1889.0		25.32		14.87	3.88	3.50		119.94	27.47	41.38
90a	155.8	90.0	29.5	30.9	28.5	29.6	30.0	95.0	3.0	340.2	798.7	773.5	2078.6	2012.9	30 SU	26.04	15.40	4.16	3.74	10 SU	118.30	28.26	44.28	20.13			
90b			49.5	50.9									1340.2	1297.9		3487.8	3377.6		43.70		25.83	6.98	6.28		198.51	47.41	74.31
102a	175.4	102.4	34.0	35.4	32.5	33.7	34.0	106.0	3.0	383.7	1049.8	1016.6	3081.0	2983.7	30 SU	37.75	22.40	6.16	5.55	10 SU	167.27	40.98	65.64	29.84			
102b			55.0	56.4									1698.1	1644.5		4984.0	4826.6		61.07		36.24	9.97	8.97		270.58	66.29	106.18
114a	195.6	114.4	37.5	39.2	36.3	37.6	38.0	118.0	3.0	428.5	1293.2	1252.3	4239.1	4105.3	30 SU	50.99	30.35	8.48	7.63	10 SU	221.10	55.39	90.32	41.05			
114b			61.5	63.2									2120.8	2053.9		6952.2	6732.7		83.62		49.78	13.90	12.51		362.61	90.84	148.12
132a	225.4	132.1	43.5	45.2	42.0	43.4	44.0	136.0	3.0	495.0	1735.7	1680.8	6572.7	6365.1	30 SU	77.35	46.22	13.15	11.83	10 SU	326.84	84.15	140.03	63.65			
132b			69.5	71.2									2773.1	2685.5		10500.0	10170.0		123.58		73.85	21.00	18.90		522.20	134.44	223.73
150a	255.6	150.2	49.5	51.2	47.9	49.4	50.0	154.0	3.0	562.2	2252.5	2181.4	9686.9	9381.0	30 SU	112.06	67.18	19.37	17.44	10 SU	463.76	122.09	206.38	93.81			
150b			74.5	76.2									3390.1	3283.1		14580.0	14120.0		168.66		101.10	29.16	26.24		697.99	183.76	310.61

