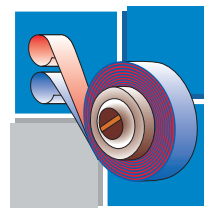
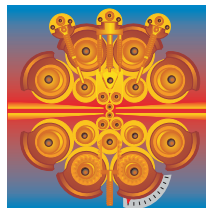


Thermostatic bimetals

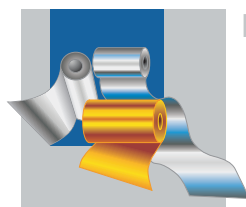


Clad materials



Metal strips

- Soft-magnetic Iron-Nickel-Alloys
- Sealing and Expansion Alloys
- Nickel
- Nickel-Chromium-Alloys
- Nickel-Copper-Alloys
- Copper-Nickel-Alloys
- Nickel-Manganese-Alloys



Metallic foils

Product group:

Thermostatic bimetals

1. MATERIALS AND PROPERTIES

№	TYPE	FLEXIVITY	SPEC. THERMAL CURVATURE	SPECIFIC DEFLECTION	ELECTRICAL RESISTIVITY		ELECTRICAL RESISTIVITY
		68 TO 266 °F	20 TO 130 °C	20 TO 100 °C	AT 68 °F		AT 20 °C
		10 ⁻⁶ /°F	10 ⁻⁶ /K	10 ⁻² /K	Ω·cmil/ft	Ω·mil ² /ft	μΩ·m
1	TB 230/110	23.9 ± 5 %	43.0 ± 5 %	22.5	650 ± 5 %	510 ± 5 %	1.08 ± 5 %
2	TB 210/10	21.7 ± 5 %	39.0 ± 5 %	20.8	60 ± 7 %	47 ± 7 %	0.10 ± 7 %
3	TB 208/110	21.7 ± 5 %	39.0 ± 5 %	20.8	662 ± 5 %	520 ± 5 %	1.10 ± 5 %
4	TB 200/108	20.8 ± 5 %	37.5 ± 5 %	20.0	650 ± 5 %	510 ± 5 %	1.08 ± 5 %
5	TB 200/80	21.6 ± 5 %	38.9 ± 5 %	20.8	493 ± 5 %	387 ± 5 %	0.82 ± 5 %
6	TB 200/60	21.6 ± 5 %	38.8 ± 5 %	20.6	349 ± 5 %	274 ± 5 %	0.58 ± 5 %
7	TB 200/60Fe	21.6 ± 5 %	38.8 ± 5 %	20.6	349 ± 5 %	274 ± 5 %	0.58 ± 5 %
8	TB 200/40	21.4 ± 5 %	38.5 ± 5 %	20.5	241 ± 5 %	189 ± 5 %	0.40 ± 5 %
9	TB 200/40Cu	21.4 ± 5 %	38.5 ± 5 %	20.5	241 ± 10 %	189 ± 10 %	0.40 ± 10 %
10	TB 200/40Fe	21.4 ± 5 %	38.5 ± 5 %	20.5	241 ± 5 %	189 ± 5 %	0.40 ± 5 %
11	TB 200/30	21.4 ± 5 %	38.6 ± 5 %	20.3	180 ± 7 %	142 ± 7 %	0.30 ± 7 %
12	TB 200/25	21.4 ± 5 %	38.6 ± 5 %	20.3	150 ± 7 %	118 ± 7 %	0.249 ± 7 %
13	TB 200/20	21.4 ± 5 %	38.5 ± 5 %	20.2	126 ± 7 %	99 ± 7 %	0.21 ± 7 %
14	TB 200/17	21.3 ± 5 %	38.4 ± 5 %	20.1	100 ± 7 %	78 ± 7 %	0.166 ± 7 %
15	TB 200/15	21.3 ± 5 %	38.4 ± 5 %	20.1	90 ± 7 %	71 ± 7 %	0.15 ± 7 %
16	TB 200/11	21.0 ± 5 %	37.8 ± 5 %	20.1	66 ± 7 %	52 ± 7 %	0.11 ± 7 %
17	TB 200/10	20.8 ± 5 %	37.5 ± 5 %	20.0	60 ± 7 %	47 ± 7 %	0.10 ± 7 %
18	TB 185/08	20.6 ± 5 %	37.0 ± 5 %	19.0	48 ± 10 %	38 ± 10 %	0.08 ± 10 %
19	TB 180/05	18.8 ± 5 %	33.8 ± 5 %	17.9	29 ± 10 %	23 ± 10 %	0.048 ± 10 %
20	TB 175/05	18.0 ± 5 %	32.4 ± 5 %	17.5	30 ± 10 %	24 ± 10 %	0.05 ± 10 %
21	TB 170/03	17.6 ± 5 %	31.6 ± 5 %	16.2	20 ± 15 %	16 ± 15 %	0.033 ± 15 %
22	TB 140/140	15.8 ± 5 %	28.4 ± 5 %	14.6	842 ± 5 %	661 ± 5 %	1.40 ± 5 %
23	TB 140/135	15.8 ± 5 %	28.5 ± 5 %	14.7	812 ± 5 %	638 ± 5 %	1.35 ± 5 %
24	TB 155/78	15.8 ± 5 %	28.5 ± 5 %	15.5	469 ± 5 %	368 ± 5 %	0.78 ± 5 %
25	TB 155/78B	15.8 ± 5 %	28.5 ± 5 %	15.5	469 ± 5 %	368 ± 5 %	0.78 ± 5 %
26	TB 150/78	15.3 ± 5 %	27.6 ± 5 %	14.9	469 ± 5 %	368 ± 5 %	0.78 ± 5 %
27	TB 145/78	14.9 ± 5 %	26.9 ± 5 %	14.5	469 ± 5 %	368 ± 5 %	0.78 ± 5 %
28	TB 140/78	14.7 ± 5 %	26.4 ± 5 %	14.2	469 ± 5 %	368 ± 5 %	0.78 ± 5 %
29	TB 150/55	15.7 ± 5 %	28.2 ± 5 %	15.0	331 ± 5 %	260 ± 5 %	0.55 ± 5 %
30	TB 150/55Fe	15.7 ± 5 %	28.2 ± 5 %	15.0	331 ± 5 %	260 ± 5 %	0.55 ± 5 %
31	TB 150/50	15.6 ± 5 %	28.0 ± 5 %	14.9	301 ± 5 %	236 ± 5 %	0.50 ± 5 %
32	TB 150/50Fe	15.6 ± 5 %	28.0 ± 5 %	14.9	301 ± 5 %	236 ± 5 %	0.50 ± 5 %
33	TB 150/45	15.6 ± 5 %	28.0 ± 5 %	14.9	271 ± 5 %	213 ± 5 %	0.45 ± 5 %
34	TB 150/45Fe	15.6 ± 5 %	28.0 ± 5 %	14.9	271 ± 5 %	213 ± 5 %	0.45 ± 5 %
35	TB 148/35	15.2 ± 5 %	27.4 ± 5 %	14.8	211 ± 5 %	165 ± 5 %	0.35 ± 5 %
36	TB 144/30	14.9 ± 5 %	26.8 ± 5 %	14.4	180 ± 5 %	142 ± 5 %	0.30 ± 5 %
37	TB 140/25	14.5 ± 5 %	26.1 ± 5 %	14.0	150 ± 5 %	118 ± 5 %	0.25 ± 5 %
38	TB 150/19	15.7 ± 5 %	28.2 ± 5 %	15.0	114 ± 7 %	90 ± 7 %	0.19 ± 7 %
39	TB 150/17	15.7 ± 5 %	28.2 ± 5 %	15.0	102 ± 7 %	80 ± 7 %	0.17 ± 7 %
40	TB 150/15	15.6 ± 5 %	28.1 ± 5 %	15.0	90 ± 7 %	71 ± 7 %	0.15 ± 7 %
41	TB 150/11	15.4 ± 5 %	27.8 ± 5 %	15.0	66 ± 7 %	52 ± 7 %	0.11 ± 7 %
42	TB 145/11	14.9 ± 5 %	26.9 ± 5 %	14.5	66 ± 7 %	52 ± 7 %	0.11 ± 7 %
43	TB 130/09	15.0 ± 5 %	27.0 ± 5 %	14.2	54 ± 7 %	43 ± 7 %	0.09 ± 7 %
44	TB 130/06	14.6 ± 5 %	26.2 ± 5 %	13.9	36 ± 10 %	28 ± 10 %	0.060 ± 10 %
45	TB 136/06	14.3 ± 5 %	25.8 ± 5 %	13.6	35 ± 10 %	28 ± 10 %	0.059 ± 10 %
46	TB 132/03	13.7 ± 5 %	24.6 ± 5 %	12.7	20 ± 15 %	16 ± 15 %	0.033 ± 15 %
47	TB 130/03	13.7 ± 5 %	24.6 ± 5 %	12.7	18 ± 15 %	14 ± 15 %	0.030 ± 15 %
48	TB 140/80	14.7 ± 5 %	26.4 ± 5 %	14.0	481 ± 5 %	378 ± 5 %	0.800 ± 5 %
49	TB 140/66	14.7 ± 5 %	26.4 ± 5 %	14.0	402 ± 5 %	316 ± 5 %	0.668 ± 5 %
50	TB 140/58	14.7 ± 5 %	26.4 ± 5 %	14.0	350 ± 5 %	275 ± 5 %	0.582 ± 5 %
51	TB 139/50	14.6 ± 5 %	26.3 ± 5 %	14.0	301 ± 5 %	236 ± 5 %	0.500 ± 5 %
52	TB 138/42	14.5 ± 5 %	26.1 ± 5 %	13.9	251 ± 5 %	197 ± 5 %	0.417 ± 5 %
53	TB 138/42Fe	14.5 ± 5 %	26.1 ± 5 %	13.9	251 ± 5 %	197 ± 5 %	0.417 ± 5 %
54	TB 134/33	14.3 ± 5 %	25.7 ± 5 %	13.5	200 ± 5 %	157 ± 5 %	0.332 ± 5 %
55	TB 130/29	14.1 ± 5 %	25.3 ± 5 %	13.3	175 ± 5 %	137 ± 5 %	0.291 ± 5 %
56	TB 127/25	13.6 ± 5 %	24.4 ± 5 %	13.0	147 ± 5 %	116 ± 5 %	0.245 ± 5 %
57	TB 127/25Cu	13.6 ± 5 %	24.4 ± 5 %	13.0	147 ± 7 %	116 ± 7 %	0.245 ± 7 %
58	TB 119/21	12.9 ± 5 %	23.2 ± 5 %	12.2	125 ± 7 %	98 ± 7 %	0.208 ± 7 %

Table continued overleaf!

№	TYPE	FLEXIVITY	SPEC. THERMAL	SPECIFIC	ELECTRICAL		ELECTRICAL
		68 TO 266 °F	CURVATURE	DEFLECTION	RESISTIVITY		RESISTIVITY
		10 ⁻⁶ /°F	10 ⁻⁶ /K	10 ⁻⁹ /K	Ω•cmil/ft	Ω•mil ² /ft	μΩ•m
59	TB 100/17	11.3 ± 5 %	20.4 ± 5 %	10.7	100 ± 7 %	78 ± 7 %	0.166 ± 7 %
60	TB 138/17	14.6 ± 5 %	26.3 ± 5 %	13.8	97 ± 7 %	76 ± 7 %	0.161 ± 7 %
61	TB 138/15	14.6 ± 5 %	26.3 ± 5 %	13.8	90 ± 7 %	71 ± 7 %	0.150 ± 7 %
62	TB 137/12	14.6 ± 5 %	26.2 ± 5 %	13.7	70 ± 7 %	55 ± 7 %	0.116 ± 7 %
63	TB 137/10	14.5 ± 5 %	26.1 ± 5 %	13.6	58 ± 7 %	46 ± 7 %	0.097 ± 7 %
64	TB 135/08	14.4 ± 5 %	25.9 ± 5 %	13.5	50 ± 10 %	39 ± 10 %	0.083 ± 10 %
65	TB 134/07	14.2 ± 5 %	25.6 ± 5 %	13.4	40 ± 10 %	31 ± 10 %	0.066 ± 10 %
66	TB 131/06	14.1 ± 5 %	25.3 ± 5 %	13.3	33 ± 10 %	26 ± 10 %	0.055 ± 10 %
67	TB 128/05	13.8 ± 5 %	24.9 ± 5 %	13.0	30 ± 10 %	24 ± 10 %	0.050 ± 10 %
68	TB 124/04	13.7 ± 5 %	24.7 ± 5 %	12.9	25 ± 10 %	19 ± 10 %	0.041 ± 10 %
69	TB 121/03	12.7 ± 5 %	22.9 ± 5 %	12.0	20 ± 15 %	16 ± 15 %	0.033 ± 15 %
70	TB 64/02	6.9 ± 5 %	12.5 ± 5 %	6.6	15 ± 15 %	12 ± 15 %	0.025 ± 15 %
71	TB 150/74	15.6 ± 5 %	28.0 ± 5 %	15.1	445 ± 5 %	350 ± 5 %	0.74 ± 5 %
72	TB 135/78	13.9 ± 5 %	25.1 ± 5 %	13.5	469 ± 5 %	368 ± 5 %	0.78 ± 5 %
73	TB 135/35	13.9 ± 5 %	25.1 ± 5 %	13.5	211 ± 5 %	165 ± 5 %	0.35 ± 5 %
74	TB 125/09	13.9 ± 5 %	25.0 ± 5 %	13.4	54 ± 7 %	43 ± 7 %	0.09 ± 7 %
75	TB 124/09	13.3 ± 5 %	24.0 ± 5 %	12.9	54 ± 7 %	43 ± 7 %	0.09 ± 7 %
76	TB 131/42	13.9 ± 5 %	25.1 ± 5 %	13.3	250 ± 5 %	197 ± 5 %	0.416 ± 5 %
77	TB 130/33	13.8 ± 5 %	24.9 ± 5 %	13.0	200 ± 5 %	157 ± 5 %	0.332 ± 5 %
78	TB 128/29	13.6 ± 5 %	24.4 ± 5 %	12.8	175 ± 5 %	137 ± 5 %	0.291 ± 5 %
79	TB 118/21	12.6 ± 5 %	22.7 ± 5 %	11.9	125 ± 7 %	98 ± 7 %	0.208 ± 7 %
80	TB 125/17	13.4 ± 5 %	24.2 ± 5 %	12.7	100 ± 7 %	78 ± 7 %	0.166 ± 7 %
81	TB 131/15	13.9 ± 5 %	25.1 ± 5 %	13.2	90 ± 7 %	71 ± 7 %	0.150 ± 7 %
82	TB 131/12	13.9 ± 5 %	25.0 ± 5 %	13.1	70 ± 7 %	55 ± 7 %	0.116 ± 7 %
83	TB 128/08	13.6 ± 5 %	24.5 ± 5 %	12.8	50 ± 8 %	39 ± 8 %	0.083 ± 8 %
84	TB 125/07	13.2 ± 5 %	23.8 ± 5 %	12.4	40 ± 8 %	31 ± 8 %	0.066 ± 8 %
85	TB 115/05	12.4 ± 5 %	22.4 ± 5 %	11.7	30 ± 10 %	24 ± 10 %	0.05 ± 10 %
86	TB 115/70	12.2 ± 5 %	22.0 ± 5 %	11.7	421 ± 5 %	331 ± 5 %	0.70 ± 5 %
87	TB 115/70B	12.2 ± 5 %	22.0 ± 5 %	11.7	421 ± 5 %	331 ± 5 %	0.70 ± 5 %
88	TB 115/09	12.0 ± 5 %	21.6 ± 5 %	11.5	54 ± 7 %	43 ± 7 %	0.09 ± 7 %
89	TB 110/70	11.7 ± 5 %	21.0 ± 5 %	11.1	421 ± 5 %	331 ± 5 %	0.70 ± 5 %
90	TB 110/09	11.5 ± 5 %	20.7 ± 5 %	11.0	54 ± 7 %	43 ± 7 %	0.09 ± 7 %
91	TB 100/65	10.3 ± 5 %	18.6 ± 5 %	10.0	391 ± 5 %	307 ± 5 %	0.65 ± 5 %
92	TB 180/108R	18.6 ± 5 %	33.5 ± 5 %	18.0	650 ± 5 %	510 ± 5 %	1.08 ± 5 %
93	TB 155/78R	15.3 ± 5 %	27.5 ± 5 %	14.5	469 ± 5 %	368 ± 5 %	0.78 ± 5 %
94	TB 155/78RR	13.7 ± 5 %	24.6 ± 5 %	13.0	451 ± 7 %	354 ± 7 %	0.75 ± 7 %
95	TB 100/65R	9.4 ± 5 %	17.0 ± 5 %	9.0	373 ± 7 %	293 ± 7 %	0.62 ± 7 %
96	TB 60/20R	6.3 ± 5 %	11.4 ± 5 %	6.0	120 ± 10 %	94 ± 10 %	0.20 ± 10 %
97	TB 102/85	10.9 ± 5 %	19.6 ± 5 %	10.2	511 ± 5 %	402 ± 5 %	0.85 ± 5 %
98	TB 52/65	5.6 ± 7 %	10.0 ± 7 %	5.2	391 ± 7 %	307 ± 7 %	0.65 ± 7 %
99	TB 103/81	10.8 ± 5 %	19.4 ± 5 %	10.3	487 ± 5 %	383 ± 5 %	0.81 ± 5 %
100	TB 97/16	10.3 ± 5 %	18.6 ± 5 %	9.8	96 ± 5 %	76 ± 5 %	0.16 ± 5 %

Other types and tolerances on request. Properties without indication of tolerances are standard values.

№	TYPE	LINEARITY RANGE		MAX. RECOMMENDED TEMPERATURE	
		°F	°C	°F	°C
1	TB 230/110	+ 70 to 445	+ 20 to 230	660	350
2	TB 210/10	- 5 to 390	- 20 to 200	660	350
3	TB 208/110	- 5 to 390	- 20 to 200	660	350
4	TB 200/108	- 5 to 390	- 20 to 200	660	350
5	TB 200/80	- 5 to 390	- 20 to 200	660	350
6	TB 200/60	- 5 to 390	- 20 to 200	660	350
7	TB 200/60Fe	- 5 to 390	- 20 to 200	660	350
8	TB 200/40	- 5 to 390	- 20 to 200	660	350
9	TB 200/40Cu	- 5 to 390	- 20 to 200	660	350
10	TB 200/40Fe	- 5 to 390	- 20 to 200	660	350
11	TB 200/30	- 5 to 390	- 20 to 200	660	350
12	TB 200/25	- 5 to 390	- 20 to 200	660	350
13	TB 200/20	- 5 to 390	- 20 to 200	660	350
14	TB 200/17	- 5 to 390	- 20 to 200	660	350
15	TB 200/15	- 5 to 390	- 20 to 200	660	350
16	TB 200/11	- 5 to 390	- 20 to 200	660	350
17	TB 200/10	- 5 to 390	- 20 to 200	660	350
18	TB 185/08	- 5 to 390	- 20 to 200	660	350
19	TB 180/05	- 5 to 390	- 20 to 200	660	350
20	TB 175/05	- 5 to 390	- 20 to 200	660	350
21	TB 170/03	- 5 to 390	- 20 to 200	660	350
22	TB 140/140	- 5 to 390	- 20 to 200	660	350
23	TB 240/135	- 5 to 390	- 20 to 200	660	350
24	TB 155/78	- 5 to 390	- 20 to 200	840	450
25	TB 155/78B	- 5 to 390	- 20 to 200	840	450
26	TB 150/78	- 5 to 390	- 20 to 200	840	450
27	TB 145/78	- 5 to 390	- 20 to 200	840	450
28	TB 140/78	- 5 to 390	- 20 to 200	840	450
29	TB 150/55	- 5 to 390	- 20 to 200	840	450
30	TB 150/55Fe	- 5 to 390	- 20 to 200	840	450
31	TB 150/50	- 5 to 390	- 20 to 200	840	450
32	TB 150/50Fe	- 5 to 390	- 20 to 200	840	450
33	TB 150/45	- 5 to 390	- 20 to 200	840	450
34	TB 150/45Fe	- 5 to 390	- 20 to 200	840	450
35	TB 148/35	- 5 to 390	- 20 to 200	840	450
36	TB 144/30	- 5 to 390	- 20 to 200	840	450
37	TB 140/25	- 5 to 390	- 20 to 200	840	450
38	TB 150/19	- 5 to 390	- 20 to 200	750	400
39	TB 150/17	- 5 to 390	- 20 to 200	750	400
40	TB 150/15	- 5 to 390	- 20 to 200	750	400
41	TB 150/11	- 5 to 390	- 20 to 200	750	400
42	TB 145/11	- 5 to 390	- 20 to 200	750	400
43	TB 130/09	- 5 to 390	- 20 to 200	750	400
44	TB 130/06	- 5 to 390	- 20 to 200	750	400
45	TB 136/06	- 5 to 390	- 20 to 200	525	275
46	TB 132/03	- 5 to 390	- 20 to 200	525	275
47	TB 130/03	- 5 to 390	- 20 to 200	750	400
48	TB 140/80	- 5 to 345	- 20 to 175	840	450
49	TB 140/66	- 5 to 345	- 20 to 175	840	450
50	TB 140/58	- 5 to 345	- 20 to 175	840	450
51	TB 139/50	- 5 to 345	- 20 to 175	840	450
52	TB 138/42	- 5 to 345	- 20 to 175	840	450
53	TB 138/42Fe	- 5 to 345	- 20 to 175	840	450
54	TB 134/33	- 5 to 345	- 20 to 175	840	450
55	TB 130/29	- 5 to 345	- 20 to 175	840	450
56	TB 127/25	- 5 to 345	- 20 to 175	840	450
57	TB 127/25Cu	- 5 to 345	- 20 to 175	750	400
58	TB 119/21	- 5 to 345	- 20 to 175	840	450
59	TB 100/17	- 5 to 345	- 20 to 175	840	450
60	TB 138/17	- 5 to 345	- 20 to 175	750	400
61	TB 138/15	- 5 to 345	- 20 to 175	750	400
62	TB 137/12	- 5 to 345	- 20 to 175	750	400
63	TB 137/10	- 5 to 345	- 20 to 175	750	400
64	TB 135/08	- 5 to 345	- 20 to 175	750	400
65	TB 134/07	- 5 to 345	- 20 to 175	750	400
66	TB 131/06	- 5 to 345	- 20 to 175	750	400
67	TB 128/05	- 5 to 345	- 20 to 175	750	400
68	TB 124/04	- 5 to 345	- 20 to 175	750	400
69	TB 121/03	- 5 to 345	- 20 to 175	750	400
70	TB 64/02	- 5 to 345	- 20 to 175	750	400
71	TB 150/74	30 to 570	0 to 300	840	450
72	TB 135/78	30 to 610	0 to 320	840	450
73	TB 135/35	30 to 610	0 to 320	840	450
74	TB 125/09	30 to 610	0 to 320	750	400
75	TB 124/09	30 to 610	0 to 320	750	400
76	TB 131/42	- 5 to 480	- 20 to 250	840	450
77	TB 130/33	- 5 to 480	- 20 to 250	840	450

Table continued overleaf!

№	TYPE	LINEARITY RANGE		MAX. RECOMMENDED TEMPERATURE	
		°F	°C	°F	°C
78	TB 128/29	- 5 to 480	- 20 to 250	840	450
79	TB 118/21	- 5 to 480	- 20 to 250	840	450
80	TB 125/17	- 5 to 480	- 20 to 250	750	400
81	TB 131/15	- 5 to 480	- 20 to 250	750	400
82	TB 131/12	- 5 to 480	- 20 to 250	750	400
83	TB 128/08	- 5 to 480	- 20 to 250	750	400
84	TB 125/07	- 5 to 480	- 20 to 250	750	400
85	TB 115/05	- 5 to 480	- 20 to 250	750	400
86	TB 115/70	- 5 to 715	- 20 to 380	840	450
87	TB 115/70B	- 5 to 715	- 20 to 380	840	450
88	TB 115/09	- 5 to 715	- 20 to 380	750	400
89	TB 110/70	- 5 to 715	- 20 to 380	840	450
90	TB 110/09	- 5 to 715	- 20 to 380	750	400
91	TB 100/65	- 5 to 795	- 20 to 425	840	450
92	TB 180/108R	- 5 to 390	- 20 to 200	660	350
93	TB 155/78R	- 5 to 390	- 20 to 200	840	450
94	TB 155/78RR	- 5 to 435	- 20 to 225	840	450
95	TB 100/65R	- 5 to 795	- 20 to 425	840	450
96	TB 60/20R	- 5 to 840	- 20 to 450	840	450
97	TB 102/85	- 5 to 355	- 20 to 180	975	525
98	TB 52/65	- 5 to 1110	- 20 to 600	1020	550
99	TB 103/81	- 5 to 570	- 20 to 300	660	350
100	TB 97/16	- 5 to 430	- 20 to 220	750	400

Other types and tolerances on request. Properties without indication of tolerances are standard values.

2. COMPONENTS AND ADDITIONAL LAYERS

№	TYPE	CLADDING LAYER ON HIGH EXP. SIDE	HIGH EXPANSION SIDE	INTERMEDIATE LAYER	LOW EXPANSION SIDE	CLADDING LAYER ON LOW EXP. SIDE
1	TB 230/110	none	MnNi16Cu10	none	FeNi32Co6	none
2	TB 210/10	none	MnNi16Cu10	Cu	FeNi36	none
3	TB 208/110	none	MnCu18Ni10	none	FeNi36	none
4	TB 200/108	none	MnCu18Ni10	none	FeNi36	none
5	TB 200/80	none	MnNi16Cu10	FeNi36/Ni	FeNi36	none
6	TB 200/60	none	MnNi16Cu10	FeNi36/Ni	FeNi36	none
7	TB 200/60Fe	none	MnNi16Cu10	Fe	FeNi36	none
8	TB 200/40	none	MnNi16Cu10	FeNi36/Ni	FeNi36	none
9	TB 200/40Cu	none	MnCu18Ni10	Cu	FeNi36	none
10	TB 200/40Fe	none	MnNi16Cu10	Fe	FeNi36	none
11	TB 200/30	none	MnCu18Ni10	Cu	FeNi36	none
12	TB 200/25	none	MnCu18Ni10	Cu	FeNi36	none
13	TB 200/20	none	MnCu18Ni10	Cu	FeNi36	none
14	TB 200/17	none	MnCu18Ni10	Cu	FeNi36	none
15	TB 200/15	none	MnCu18Ni10	Cu	FeNi36	none
16	TB 200/11	none	MnCu18Ni10	Cu	FeNi36	none
17	TB 200/10	none	MnCu18Ni10	Cu	FeNi36	none
18	TB 185/08	none	MnCu18Ni10	Cu	FeNi36	none
19	TB 180/05	none	MnCu18Ni10	Cu	FeNi36	none
20	TB 175/05	none	MnCu18Ni10	Cu	FeNi36	none
21	TB 170/03	none	MnNi16Cu10	Cu	FeNi32Co6	none
22	TB 140/140	none	MnNi16Cu10	none	FeNi36	none
23	TB 140/135	none	MnCu18Ni10	none	FeNi36	none
24	TB 155/78	none	FeNi20Mn6	none	FeNi36	none
25	TB 155/78B	none	X60Ni14Mn7	none	FeNi36	none
26	TB 150/78	none	FeNi20Mn6	none	FeNi36	none
27	TB 145/78	none	FeNi20Mn6	none	FeNi36	none
28	TB 140/78	none	FeNi20Mn6	none	FeNi36	none
29	TB 150/55	none	FeNi20Mn6	Ni	FeNi36	none
30	TB 150/55Fe	none	FeNi20Mn6	Fe	FeNi36	none
31	TB 150/50	none	FeNi20Mn6	Ni	FeNi36	none
32	TB 150/50Fe	none	FeNi20Mn6	Fe	FeNi36	none
33	TB 150/45	none	FeNi20Mn6	Ni	FeNi36	none
34	TB 150/45Fe	none	FeNi20Mn6	Fe	FeNi36	none
35	TB 148/35	none	FeNi20Mn6	Ni	FeNi36	none
36	TB 144/30	none	FeNi20Mn6	Ni	FeNi36	none
37	TB 140/25	none	FeNi20Mn6	Ni	FeNi36	none
38	TB 150/19	none	FeNi20Mn6	Cu	FeNi36	none
39	TB 150/17	none	FeNi20Mn6	Cu	FeNi36	none
40	TB 150/15	none	FeNi20Mn6	Cu	FeNi36	none
41	TB 150/11	none	FeNi20Mn6	Cu	FeNi36	none
42	TB 145/11	none	FeNi20Mn6	Cu	FeNi36	none
43	TB 130/09	none	FeNi20Mn6	Cu	FeNi36	none
44	TB 130/06	none	FeNi20Mn6	Cu	FeNi36	none
45	TB 136/06	Cu	FeNi20Mn6	none	FeNi36	none
46	TB 132/03	none	FeNi20Mn6	Cu	FeNi36	none
47	TB 130/03	none	FeNi20Mn6	Cu	FeNi36	none
48	TB 140/80	none	FeNi22Cr3	none	FeNi36	none
49	TB 140/66	none	FeNi22Cr3	Ni	FeNi36	none
50	TB 140/58	none	FeNi22Cr3	Ni	FeNi36	none
51	TB 139/50	none	FeNi22Cr3	Ni	FeNi36	none
52	TB 138/42	none	FeNi22Cr3	Ni	FeNi36	none
53	TB 138/42Fe	none	FeNi22Cr3	Fe	FeNi36	none
54	TB 134/33	none	FeNi22Cr3	Ni	FeNi36	none
55	TB 130/29	none	FeNi22Cr3	Ni	FeNi36	none
56	TB 127/25	none	FeNi22Cr3	Ni	FeNi36	none
57	TB 127/25Cu	none	FeNi22Cr3	Cu	FeNi36	none
58	TB 119/21	none	FeNi22Cr3	Ni	FeNi36	none
59	TB 100/17	none	FeNi22Cr3	Ni	FeNi36	none
60	TB 138/17	none	FeNi22Cr3	Cu	FeNi36	none
61	TB 138/15	none	FeNi22Cr3	Cu	FeNi36	none
62	TB 137/12	none	FeNi22Cr3	Cu	FeNi36	none
63	TB 137/10	none	FeNi22Cr3	Cu	FeNi36	none
64	TB 135/08	none	FeNi22Cr3	Cu	FeNi36	none
65	TB 134/07	none	FeNi22Cr3	Cu	FeNi36	none
66	TB 131/06	none	FeNi22Cr3	Cu	FeNi36	none
67	TB 128/05	none	FeNi22Cr3	Cu	FeNi36	none
68	TB 124/04	none	FeNi22Cr3	Cu	FeNi36	none
69	TB 121/03	none	FeNi22Cr3	Cu	FeNi36	none
70	TB 64/02	none	FeNi22Cr3	Cu	FeNi36	none
71	TB 150/74	none	FeNi20Mn6	none	FeNi38	none
72	TB 135/78	none	FeNi20Mn6	none	FeNi39	none
73	TB 135/35	none	FeNi20Mn6	Ni	FeNi39	none
74	TB 125/09	none	FeNi20Mn6	Cu	FeNi39	none
75	TB 124/09	none	FeNi20Mn6	Cu	FeNi39	none
76	TB 131/42	none	FeNi22Cr3	Ni	FeNi39	none
77	TB 130/33	none	FeNi22Cr3	Ni	FeNi39	none

Table continued overleaf!

№	TYPE	CLADDING LAYER ON HIGH EXP. SIDE	HIGH EXPANSION SIDE	INTERMEDIATE LAYER	LOW EXPANSION SIDE	CLADDING LAYER ON LOW EXP. SIDE
78	TB 128/29	none	FeNi22Cr3	Ni	FeNi39	none
79	TB 118/21	none	FeNi22Cr3	Ni	FeNi39	none
80	TB 125/17	none	FeNi22Cr3	Cu	FeNi39	none
81	TB 131/15	none	FeNi22Cr3	Cu	FeNi39	none
82	TB 131/12	none	FeNi22Cr3	Cu	FeNi39	none
83	TB 128/08	none	FeNi22Cr3	Cu	FeNi39	none
84	TB 125/07	none	FeNi22Cr3	Cu	FeNi39	none
85	TB 115/05	none	FeNi22Cr3	Cu	FeNi39	none
86	TB 115/70	none	FeNi20Mn6	none	FeNi42	none
87	TB 115/70B	none	X60Ni14Mn7	none	FeNi42	none
88	TB 115/09	none	FeNi20Mn6	Cu	FeNi42	none
89	TB 110/70	none	FeNi20Mn6	none	FeNi42	none
90	TB 110/09	none	FeNi20Mn6	Cu	FeNi42	none
91	TB 100/65	none	FeNi20Mn6	none	FeNi46	none
92	TB 180/108R	FeNi22Cr3	MnCu18Ni10	none	FeNi36	none
93	TB 155/78R	CrNi-steel	FeNi20Mn6	none	FeNi36	none
94	TB 155/78RR	CrNi-steel	FeNi20Mn6	none	FeNi36	Cr-steel
95	TB 100/65R	CrNi-steel	FeNi20Mn6	none	FeNi46	none
96	TB 60/20R	none	FeNi20Mn6	none	Fe	Ni
97	TB 102/85	none	FeNi18Cr12	none	FeNi31Co8Cr6	none
98	TB 52/65	none	CrNi-steel	none	Cr-steel	none
99	TB 103/81	none	MnNi16Cu10	none	CuNi44Mn1	none
100	TB 97/16	none	Ni	none	FeNi36	none

Other types on request.

3. DIMENSIONS AND TOLERANCES

THICKNESS TOLERANCES

THICKNESS		WIDTH		WIDTH		WIDTH	
in.	mm	in. ≤ 2.95	mm ≤ 75	in. > 2.95 to 4.92	mm > 75 to 125	in. > 4.92 to 9.84	mm > 125 to 250
0.004 to 0.006	0.10 to 0.15	± 0.0004	± 0.010	± 0.0004	± 0.010	± 0.0008	± 0.020
> 0.006 to 0.010	> 0.15 to 0.25	± 0.0004	± 0.010	± 0.0006	± 0.015	± 0.0008	± 0.020
> 0.010 to 0.016	> 0.25 to 0.40	± 0.0006	± 0.015	± 0.0008	± 0.020	± 0.0009	± 0.025
> 0.016 to 0.024	> 0.40 to 0.60	± 0.0008	± 0.020	± 0.0009	± 0.025	± 0.0012	± 0.030
> 0.024 to 0.039	> 0.60 to 1.00	± 0.0009	± 0.025	± 0.0012	± 0.030	± 0.0016	± 0.040
> 0.039 to 0.059	> 1.00 to 1.50	± 0.0012	± 0.030	± 0.0016	± 0.040	± 0.0020	± 0.050
> 0.059 to 0.079	> 1.50 to 2.00	± 0.0020	± 0.050	± 0.0020	± 0.050	± 0.0024	± 0.060

Other thickness and tolerances on request.

WIDTH TOLERANCES

WIDTH		THICKNESS		THICKNESS	
in.	mm	in. ≤ 0.059	mm ≤ 1.50	in. > 0.059 to 0.079	mm > 1.50 to 2.00
≤ 2.95	≤ 75	+ 0.008	+ 0.2	+ 0.016	+ 0.4
> 2.95 to 4.92	> 75 to 125	+ 0.012	+ 0.3	+ 0.020	+ 0.5
> 4.92 to 9.84	> 125 to 250	+ 0.020	+ 0.5	+ 0.031	+ 0.8

Other width and tolerances on request.

LENGTH TOLERANCES (CUT LENGTH)

in.	THICKNESS		LENGTH		LENGTH	
	mm	in.	mm	in.	mm	mm
0.024 to 0.079	0.60 to 2.00	+ 0.40	500 to 1000	> 39.4 to 118	> 1000 to 3000	+ 1 %
			+ 10	+ 1 %		

Other tolerances on request.

4. PRODUCT FORM

FORM	THICKNESS		WIDTH		LENGTH		COIL - ID		COIL - OD	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
Strip	0.004 to 0.079	0.10 to 2.00	0.12 to 9.84	3 to 250			11.81/15.75/19.69	300/400/500	max. 43.3	max. 1100
Cut length	0.024 to 0.079	0.60 to 2.00	0.31 to 9.84	8 to 250	20 to 118	500 to 3000				

Other form on request.

All data contained in this document are for information purposes only.
Other properties can be engineered according to customer specifications.

Guarantees of specific characteristics or applications require special written agreement.



Auerhammer Metallwerk GmbH
Hammerplatz 1
08280 Aue/Sachsen
Germany

Tel.: +49 3771 272-0
Fax: +49 3771 272-201
E-Mail: postmaster_amw@auerhammer-metallwerk.de
Internet: www.auerhammer.com