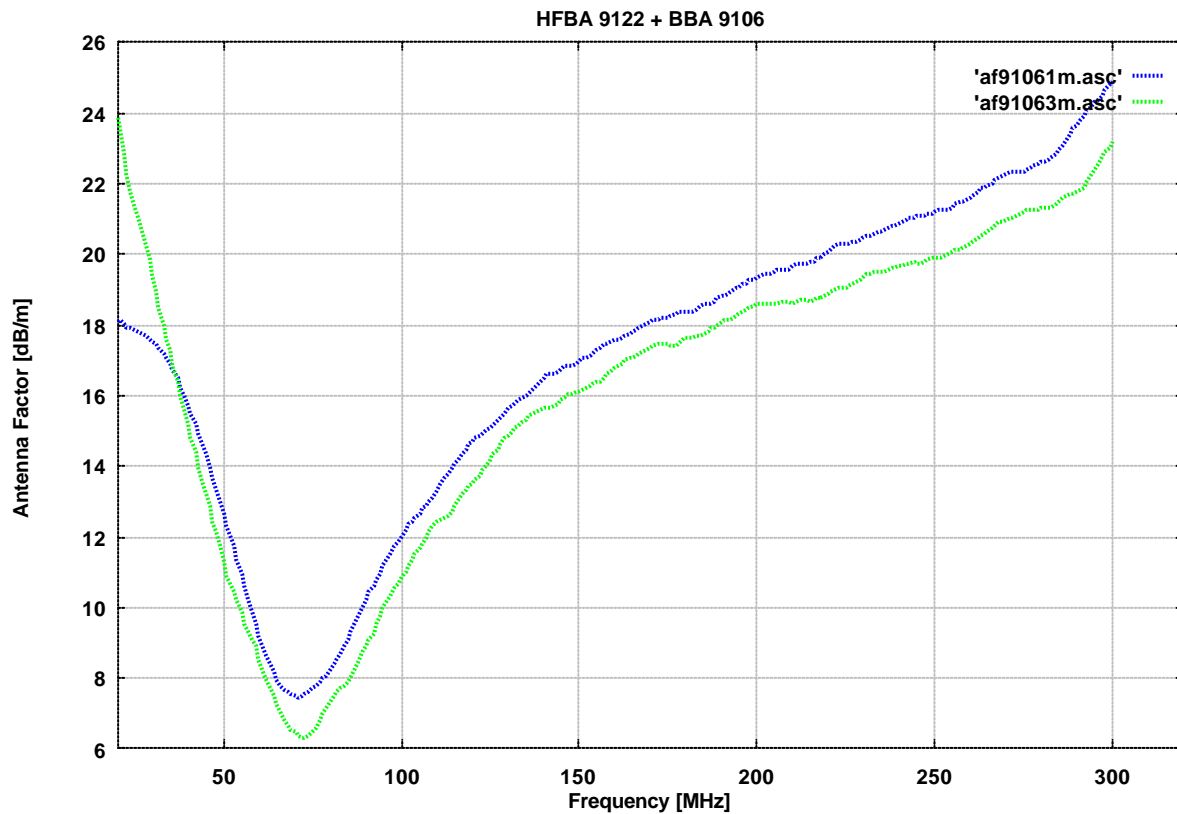
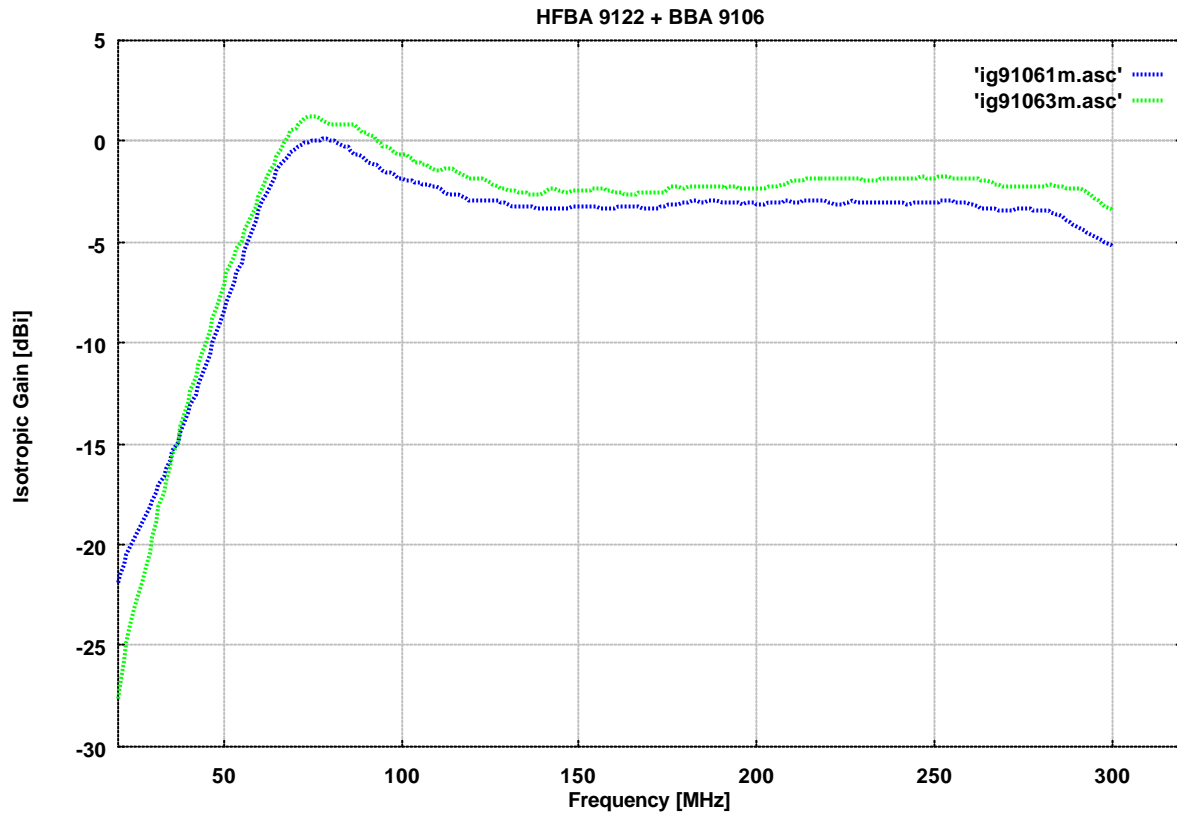


# SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

## Kalibrierdaten HFBA 9122 mit BBA 9106 Bikonuselementen Calibration Data HFBA 9122 with BBA 9106 Biconical Elements



HFBA 9122 + BBA 9106 Element-Gesamtlänge: / Total Element Length: 1.32 m

# SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

## Kalibrierdaten HFBA 9122 mit BBA 9106 Bikonuselementen Calibration Data HFBA 9122 with BBA 9106 Biconical Elements

Frequency	Gain(Isotr.) 1 m	Ant.-Factor 1 m	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dBi	dB/m	dBi	dB/m
20.00	-21.81	18.05	-27.59	23.83
21.00	-21.45	18.12	-26.87	23.53
22.00	-20.97	18.04	-25.80	22.87
23.00	-20.50	17.95	-24.82	22.28
24.00	-20.07	17.89	-23.97	21.79
25.00	-19.68	17.86	-23.18	21.35
26.00	-19.30	17.82	-22.46	20.98
27.00	-18.91	17.76	-21.78	20.63
28.00	-18.51	17.67	-21.08	20.24
29.00	-18.13	17.59	-20.35	19.82
30.00	-17.76	17.52	-19.60	19.37
31.00	-17.40	17.45	-18.88	18.93
32.00	-17.02	17.34	-18.14	18.46
33.00	-16.60	17.19	-17.40	17.99
34.00	-16.19	17.04	-16.74	17.59
35.00	-15.79	16.89	-16.14	17.24
36.00	-15.36	16.71	-15.50	16.85
37.00	-14.91	16.50	-14.84	16.42
38.00	-14.43	16.24	-14.19	16.00
39.00	-13.93	15.98	-13.56	15.60
40.00	-13.44	15.70	-12.94	15.20
41.00	-12.97	15.44	-12.30	14.78
42.00	-12.50	15.19	-11.67	14.36
43.00	-12.03	14.92	-11.04	13.93
44.00	-11.55	14.64	-10.48	13.57
45.00	-11.03	14.31	-9.92	13.21
46.00	-10.50	13.98	-9.36	12.84
47.00	-9.98	13.65	-8.80	12.46
48.00	-9.47	13.32	-8.25	12.10
49.00	-8.95	12.97	-7.67	11.70
50.00	-8.43	12.63	-7.07	11.26
51.00	-7.94	12.31	-6.52	10.89
52.00	-7.47	12.01	-6.08	10.62
53.00	-7.00	11.70	-5.73	10.43
54.00	-6.46	11.33	-5.34	10.21
55.00	-5.93	10.96	-4.85	9.87
56.00	-5.40	10.59	-4.36	9.55
57.00	-4.90	10.23	-3.97	9.31
58.00	-4.38	9.86	-3.61	9.09
59.00	-3.87	9.51	-3.21	8.85
60.00	-3.39	9.17	-2.73	8.51
61.00	-2.94	8.87	-2.28	8.20
62.00	-2.53	8.60	-1.85	7.92
63.00	-2.17	8.37	-1.47	7.68
64.00	-1.81	8.15	-1.12	7.47
65.00	-1.46	7.94	-0.78	7.26
66.00	-1.16	7.77	-0.40	7.02
67.00	-0.91	7.65	-0.04	6.78
68.00	-0.72	7.59	0.27	6.60
69.00	-0.52	7.52	0.49	6.51

HFBA 9122 + BBA 9106 Element-Gesamtlänge: / Total Element Length: 1.32 m

# SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

## Kalibrierdaten HFBA 9122 mit BBA 9106 Bikonuselementen Calibration Data HFBA 9122 with BBA 9106 Biconical Elements

Frequency	Gain(Isotr.) 1 m	Ant.-Factor 1 m	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dB	dB/m	dB	dB/m
70.00	-0.35	7.47	0.70	6.42
71.00	-0.19	7.43	0.88	6.36
72.00	-0.08	7.45	1.06	6.30
73.00	-0.02	7.51	1.17	6.32
74.00	-0.01	7.61	1.25	6.35
75.00	0.01	7.71	1.27	6.45
76.00	0.05	7.79	1.25	6.59
77.00	0.08	7.87	1.16	6.79
78.00	0.10	7.96	1.07	6.99
79.00	0.09	8.08	1.00	7.17
80.00	0.07	8.21	0.95	7.33
81.00	0.03	8.36	0.93	7.46
82.00	-0.02	8.51	0.90	7.59
83.00	-0.09	8.69	0.89	7.71
84.00	-0.18	8.88	0.90	7.81
85.00	-0.29	9.10	0.91	7.90
86.00	-0.42	9.33	0.91	8.00
87.00	-0.54	9.55	0.82	8.19
88.00	-0.64	9.75	0.65	8.46
89.00	-0.75	9.95	0.47	8.74
90.00	-0.88	10.19	0.41	8.90
91.00	-1.01	10.41	0.36	9.04
92.00	-1.10	10.60	0.27	9.23
93.00	-1.18	10.77	0.07	9.51
94.00	-1.29	10.97	-0.06	9.75
95.00	-1.40	11.17	-0.17	9.95
96.00	-1.50	11.36	-0.26	10.13
97.00	-1.56	11.52	-0.38	10.33
98.00	-1.64	11.69	-0.48	10.53
99.00	-1.73	11.86	-0.55	10.69
100.00	-1.83	12.05	-0.62	10.84
101.00	-1.90	12.20	-0.69	11.00
102.00	-1.95	12.34	-0.77	11.17
103.00	-1.96	12.44	-0.85	11.33
104.00	-1.98	12.54	-0.94	11.50
105.00	-2.02	12.66	-1.03	11.67
106.00	-2.06	12.78	-1.10	11.82
107.00	-2.08	12.89	-1.16	11.97
108.00	-2.10	12.99	-1.23	12.12
109.00	-2.15	13.12	-1.33	12.30
110.00	-2.25	13.30	-1.38	12.43
111.00	-2.36	13.49	-1.36	12.49
112.00	-2.45	13.65	-1.32	12.52
113.00	-2.52	13.80	-1.30	12.58
114.00	-2.58	13.94	-1.33	12.69
115.00	-2.62	14.05	-1.41	12.85
116.00	-2.66	14.17	-1.51	13.02
117.00	-2.72	14.31	-1.62	13.21
118.00	-2.80	14.46	-1.70	13.36
119.00	-2.85	14.58	-1.72	13.45
120.00	-2.87	14.67	-1.72	13.53
121.00	-2.89	14.76	-1.73	13.60

HFBA 9122 + BBA 9106 Element-Gesamtlänge: / Total Element Length: 1.32 m

# SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

## Kalibrierdaten HFBA 9122 mit BBA 9106 Bikonuselementen Calibration Data HFBA 9122 with BBA 9106 Biconical Elements

Frequency	Gain(Isotr.) 1 m	Ant.-Factor 1 m	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dB	dB/m	dB	dB/m
122.00	-2.90	14.85	-1.77	13.72
123.00	-2.91	14.92	-1.85	13.87
124.00	-2.90	14.99	-1.94	14.03
125.00	-2.90	15.05	-2.02	14.18
126.00	-2.92	15.15	-2.09	14.31
127.00	-2.96	15.25	-2.18	14.48
128.00	-3.01	15.37	-2.29	14.65
129.00	-3.07	15.50	-2.36	14.79
130.00	-3.12	15.62	-2.39	14.89
131.00	-3.15	15.71	-2.40	14.96
132.00	-3.16	15.79	-2.42	15.05
133.00	-3.16	15.86	-2.45	15.15
134.00	-3.16	15.92	-2.48	15.24
135.00	-3.16	15.99	-2.50	15.33
136.00	-3.17	16.06	-2.53	15.42
137.00	-3.20	16.16	-2.53	15.49
138.00	-3.25	16.27	-2.53	15.55
139.00	-3.31	16.39	-2.52	15.60
140.00	-3.37	16.51	-2.48	15.62
141.00	-3.37	16.57	-2.42	15.62
142.00	-3.34	16.61	-2.36	15.63
143.00	-3.29	16.62	-2.34	15.66
144.00	-3.28	16.67	-2.37	15.76
145.00	-3.28	16.73	-2.42	15.87
146.00	-3.29	16.79	-2.46	15.97
147.00	-3.27	16.84	-2.47	16.04
148.00	-3.23	16.85	-2.42	16.05
149.00	-3.21	16.89	-2.39	16.07
150.00	-3.22	16.96	-2.37	16.11
151.00	-3.22	17.02	-2.38	16.18
152.00	-3.22	17.08	-2.38	16.24
153.00	-3.22	17.13	-2.37	16.28
154.00	-3.22	17.19	-2.35	16.32
155.00	-3.22	17.24	-2.32	16.34
156.00	-3.25	17.33	-2.33	16.41
157.00	-3.28	17.42	-2.35	16.49
158.00	-3.30	17.49	-2.40	16.59
159.00	-3.27	17.52	-2.41	16.66
160.00	-3.25	17.56	-2.45	16.75
161.00	-3.23	17.59	-2.47	16.83
162.00	-3.22	17.63	-2.50	16.91
163.00	-3.22	17.68	-2.52	16.98
164.00	-3.22	17.74	-2.53	17.05
165.00	-3.22	17.79	-2.53	17.10
166.00	-3.22	17.85	-2.52	17.14
167.00	-3.23	17.90	-2.51	17.18
168.00	-3.24	17.97	-2.49	17.22
169.00	-3.24	18.02	-2.49	17.27
170.00	-3.25	18.08	-2.51	17.34
171.00	-3.24	18.12	-2.51	17.39
172.00	-3.24	18.17	-2.49	17.42
173.00	-3.22	18.20	-2.47	17.45

HFBA 9122 + BBA 9106 Element-Gesamtlänge: / Total Element Length: 1.32 m

# SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

## Kalibrierdaten HFBA 9122 mit BBA 9106 Bikonuselementen Calibration Data HFBA 9122 with BBA 9106 Biconical Elements

Frequency	Gain(Isotr.) 1 m	Ant.-Factor 1 m	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dB	dB/m	dB	dB/m
174.00	-3.18	18.21	-2.43	17.46
175.00	-3.14	18.22	-2.34	17.43
176.00	-3.12	18.25	-2.26	17.39
177.00	-3.11	18.29	-2.23	17.41
178.00	-3.09	18.32	-2.27	17.50
179.00	-3.06	18.34	-2.32	17.59
180.00	-3.02	18.35	-2.31	17.64
181.00	-2.99	18.36	-2.26	17.63
182.00	-2.97	18.39	-2.20	17.63
183.00	-2.98	18.45	-2.20	17.67
184.00	-3.00	18.51	-2.20	17.72
185.00	-3.00	18.56	-2.19	17.76
186.00	-2.98	18.59	-2.21	17.82
187.00	-2.94	18.60	-2.24	17.90
188.00	-2.95	18.65	-2.25	17.96
189.00	-2.98	18.73	-2.25	18.00
190.00	-3.00	18.80	-2.26	18.06
191.00	-2.99	18.84	-2.28	18.12
192.00	-2.99	18.87	-2.26	18.15
193.00	-3.01	18.94	-2.24	18.17
194.00	-3.04	19.01	-2.26	18.24
195.00	-3.06	19.09	-2.29	18.31
196.00	-3.08	19.14	-2.32	18.39
197.00	-3.07	19.18	-2.33	18.44
198.00	-3.07	19.23	-2.32	18.48
199.00	-3.07	19.27	-2.31	18.51
200.00	-3.09	19.33	-2.31	18.55
201.00	-3.09	19.38	-2.31	18.59
202.00	-3.08	19.40	-2.28	18.61
203.00	-3.05	19.42	-2.23	18.60
204.00	-3.04	19.46	-2.18	18.60
205.00	-3.05	19.50	-2.15	18.61
206.00	-3.04	19.54	-2.12	18.62
207.00	-3.00	19.54	-2.11	18.65
208.00	-2.97	19.55	-2.08	18.66
209.00	-2.97	19.59	-2.02	18.64
210.00	-3.01	19.67	-1.95	18.61
211.00	-3.02	19.73	-1.94	18.64
212.00	-3.01	19.76	-1.96	18.70
213.00	-2.97	19.76	-1.93	18.72
214.00	-2.93	19.76	-1.87	18.70
215.00	-2.91	19.78	-1.80	18.67
216.00	-2.89	19.80	-1.79	18.69
217.00	-2.92	19.87	-1.78	18.73
218.00	-2.94	19.93	-1.77	18.76
219.00	-2.98	20.01	-1.79	18.82
220.00	-3.01	20.07	-1.81	18.88
221.00	-3.06	20.16	-1.81	18.92
222.00	-3.11	20.26	-1.82	18.97
223.00	-3.12	20.30	-1.81	19.00
224.00	-3.08	20.30	-1.84	19.07
225.00	-3.02	20.29	-1.81	19.08

HFBA 9122 + BBA 9106 Element-Gesamtlänge: / Total Element Length: 1.32 m

# SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

## Kalibrierdaten HFBA 9122 mit BBA 9106 Bikonuselementen Calibration Data HFBA 9122 with BBA 9106 Biconical Elements

Frequency	Gain(Isotr.) 1 m	Ant.-Factor 1 m	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dB	dB/m	dB	dB/m
226.00	-2.99	20.29	-1.83	19.13
227.00	-2.98	20.32	-1.82	19.16
228.00	-2.99	20.37	-1.85	19.22
229.00	-3.01	20.43	-1.88	19.30
230.00	-3.03	20.48	-1.91	19.36
231.00	-3.01	20.51	-1.92	19.41
232.00	-3.00	20.53	-1.95	19.48
233.00	-3.01	20.58	-1.96	19.53
234.00	-3.02	20.63	-1.93	19.53
235.00	-3.02	20.66	-1.86	19.50
236.00	-3.01	20.68	-1.83	19.51
237.00	-3.01	20.72	-1.86	19.57
238.00	-3.02	20.77	-1.85	19.60
239.00	-3.03	20.82	-1.83	19.62
240.00	-3.04	20.86	-1.81	19.64
241.00	-3.06	20.92	-1.82	19.68
242.00	-3.08	20.97	-1.83	19.73
243.00	-3.08	21.01	-1.83	19.76
244.00	-3.07	21.04	-1.80	19.77
245.00	-3.07	21.07	-1.75	19.75
246.00	-3.05	21.08	-1.70	19.74
247.00	-3.02	21.10	-1.69	19.77
248.00	-3.02	21.12	-1.72	19.83
249.00	-3.02	21.16	-1.75	19.90
250.00	-3.01	21.19	-1.75	19.93
251.00	-2.99	21.21	-1.70	19.92
252.00	-2.98	21.23	-1.67	19.92
253.00	-2.97	21.25	-1.66	19.95
254.00	-2.97	21.29	-1.70	20.02
255.00	-2.98	21.34	-1.72	20.07
256.00	-3.01	21.39	-1.74	20.12
257.00	-3.03	21.44	-1.73	20.15
258.00	-3.05	21.50	-1.74	20.19
259.00	-3.07	21.55	-1.75	20.23
260.00	-3.09	21.61	-1.77	20.29
261.00	-3.13	21.68	-1.83	20.38
262.00	-3.21	21.79	-1.88	20.46
263.00	-3.25	21.87	-1.90	20.52
264.00	-3.25	21.90	-1.91	20.56
265.00	-3.26	21.95	-1.96	20.64
266.00	-3.31	22.02	-2.02	20.74
267.00	-3.35	22.10	-2.09	20.84
268.00	-3.39	22.17	-2.10	20.89
269.00	-3.41	22.22	-2.12	20.93
270.00	-3.43	22.28	-2.12	20.97
271.00	-3.42	22.30	-2.13	21.00
272.00	-3.40	22.31	-2.13	21.04
273.00	-3.38	22.33	-2.13	21.08
274.00	-3.37	22.35	-2.15	21.13
275.00	-3.36	22.37	-2.17	21.18
276.00	-3.36	22.40	-2.21	21.25
277.00	-3.36	22.43	-2.20	21.27

HFBA 9122 + BBA 9106 Element-Gesamtlänge: / Total Element Length: 1.32 m

# SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

## Kalibrierdaten HFBA 9122 mit BBA 9106 Bikonuselementen *Calibration Data HFBA 9122 with BBA 9106 Biconical Elements*

Frequency	Gain(Isotr.) 1 m	Ant.-Factor 1 m	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dB	dB/m	dB	dB/m
278.00	-3.40	22.50	-2.18	21.28
279.00	-3.44	22.57	-2.15	21.28
280.00	-3.45	22.61	-2.14	21.30
281.00	-3.43	22.62	-2.12	21.32
282.00	-3.43	22.66	-2.08	21.31
283.00	-3.48	22.74	-2.08	21.34
284.00	-3.56	22.84	-2.12	21.40
285.00	-3.63	22.95	-2.18	21.49
286.00	-3.73	23.08	-2.24	21.59
287.00	-3.88	23.26	-2.31	21.69
288.00	-4.01	23.42	-2.33	21.73
289.00	-4.12	23.56	-2.29	21.73
290.00	-4.21	23.67	-2.29	21.76
291.00	-4.31	23.81	-2.33	21.83
292.00	-4.39	23.92	-2.39	21.92
293.00	-4.49	24.05	-2.47	22.03
294.00	-4.59	24.18	-2.62	22.20
295.00	-4.69	24.31	-2.80	22.41
296.00	-4.74	24.38	-2.95	22.59
297.00	-4.83	24.50	-3.08	22.75
298.00	-4.98	24.68	-3.21	22.91
299.00	-5.10	24.83	-3.32	23.05
300.00	-5.14	24.90	-3.40	23.16
301.00	-5.10	24.89	-3.46	23.25
302.00	-5.14	24.96	-3.52	23.34
303.00	-5.27	25.12	-3.60	23.45
304.00	-5.50	25.38	-3.72	23.60
305.00	-5.72	25.62	-3.84	23.75
306.00	-5.92	25.85	-3.93	23.86
307.00	-6.11	26.07	-3.97	23.93
308.00	-6.36	26.35	-4.04	24.03
309.00	-6.69	26.71	-4.12	24.14
310.00	-7.15	27.20	-4.26	24.31
311.00	-7.78	27.86	-4.40	24.47
312.00	-8.55	28.66	-4.62	24.72
313.00	-9.36	29.49	-4.86	24.99
314.00	-9.90	30.06	-5.20	25.36
315.00	-9.78	29.97	-5.50	25.68
316.00	-9.02	29.24	-5.65	25.86
317.00	-8.19	28.43	-5.47	25.71
318.00	-7.57	27.84	-5.14	25.41
319.00	-7.23	27.53	-4.86	25.15
320.00	-7.08	27.41	-4.75	25.08

**HFBA 9122 + BBA 9106** Element-Gesamtlänge: / *Total Element Length:* 1.32 m