

Stahl- und Biegeliste

VORABZUG

Projektnr. : 22063
 Bauwerk : Jugendbauhütte Johannistal
 Plannr. : Bewehrung - Arbeitsstand! Ausgabe f. grobe Mengenkalkulation

Bauteil : Fundamente,
 Fernwärmeschacht

Biegeliste Stabstahl

Position	Anzahl	Ø (mm)	Schnittlänge (m)	Gewicht (kg)	Gesamtlänge (m)
1	246	8	0.850	98.568	249.540
2	6	8	7.590	17.988	45.540
3	8	8	6.790	29.555	55.900
4	5	8	27.790	54.885	138.950
5	184	8	0.900	65.688	165.600
6	8	8	1.130	3.586	9.040
7	8	8	0.600	1.896	4.800
8	2	12	10.240	18.200	20.480
9	12	8	10.090	47.827	121.080
10	112	8	0.800	35.560	89.600
11	369	8	0.750	109.870	276.750
12	12	8	6.210	29.459	74.520
13	2	12	6.370	11.318	12.740
14	2	12	2.670	4.757	5.340
15	2	12	1.130	2.022	2.260
16	2	12	8.270	14.688	16.540
17	2	12	1.490	2.664	2.980
18	2	12	11.360	20.175	22.720
19	2	12	3.780	6.727	7.560
20	2	12	2.140	3.815	4.280
21	2	12	4.880	8.682	9.760
22	2	12	5.740	10.201	11.480
23	2	12	1.800	3.197	3.600
24	2	12	3.350	5.963	6.700
25	2	12	5.020	8.929	10.040
26	2	12	8.850	15.718	17.700
27	2	12	5.040	8.965	10.080
28	2	12	2.660	4.724	5.320
29	2	12	1.920	3.425	3.840
30	6	8	2.660	6.304	15.960
31	12	8	1.650	7.821	19.800
32	6	8	5.430	12.893	32.580
33	10	8	2.390	9.480	23.900
34	10	8	0.860	3.397	8.600
35	6	8	7.770	18.415	46.620
36	5	8	1.360	2.700	6.800
37	5	8	1.380	2.735	6.900
38	5	8	11.400	22.515	57.000
39	5	8	11.350	22.424	56.750
40	5	8	3.670	7.258	18.350
41	5	8	3.660	7.246	18.300
42	6	8	1.890	4.498	11.340
43	10	8	4.630	18.288	46.300
44	20	8	0.810	6.429	16.200
45	10	8	5.480	21.666	54.800
46	5	8	3.170	6.271	15.850
47	5	8	3.210	6.347	16.050

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Bauteil : Fundamente,
 Fernwärmeschacht

Biegeliste Stabstahl

Position	Anzahl	Ø (mm)	Schnittlänge (m)	Gewicht (kg)	Gesamtlänge (m)
48	10	8	4.890	19.335	48.900
49	6	8	8.900	21.093	53.400
50	10	8	4.710	18.604	47.100
51	135	10	1.030	86.398	139.050
52	189	10	1.170	137.516	221.130
53	281	10	1.180	205.842	331.580
54	30	8	1.030	12.251	30.900
55	40	8	1.730	27.394	69.200
56	36	10	1.160	25.971	41.760
57	36	10	1.170	26.149	42.120
58	12	10	1.180	8.805	14.160
59	12	10	1.190	8.864	14.280
60	3	8	0.960	1.138	2.880
61	5	8	0.870	1.729	4.350
62	12	10	2.280	16.935	27.360
63	43	10	1.050	28.050	45.150
64	14	10	0.980	8.528	13.720
65	6	8	1.800	4.266	10.800
66	101	8	2.830	112.907	285.800
67	19	8	3.240	24.284	61.470
68	15	8	2.920	17.303	43.800
69	38	8	2.530	37.981	96.140
70	37	8	2.670	39.028	98.790
71	37	8	2.850	41.540	105.150
72	51	8	2.750	55.442	140.340
73	2	8	2.520	1.991	5.040
74	10	8	2.120	8.376	21.200
75	7	8	3.230	8.947	22.610
76	25	8	2.750	27.215	68.750
77	96	8	1.740	66.043	166.870
78	98	8	2.360	91.051	230.470
79	18	8	2.220	15.779	39.940
80	70	8	2.350	65.211	164.500
81	18	8	2.830	20.181	50.940
82	3	8	2.290	2.724	6.870
83	9	8	2.810	9.991	25.290
84	3	8	2.200	2.611	6.600
85	38	8	1.740	26.196	66.120
86	6	8	2.210	5.259	13.260
87	16	8	2.220	14.065	35.520
91	3	8	2.280	2.710	6.840
92	3	8	2.270	2.690	6.810
95	44	10	1.150	31.417	50.600
96	6	8	0.630	1.502	3.780
97	16	10	1.070	10.654	17.120
98	16	10	1.080	10.733	17.280
99	8	8	1.970	6.226	15.760

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Position	Anzahl	Ø (mm)	Schnittlänge (m)	Gewicht (kg)	Gesamtlänge (m)
100	2	8	1.870	1.478	3.740
101	6	8	1.860	4.409	11.160
104	2	12	1.610	2.875	3.220
105	2	12	1.640	2.928	3.280
106	4	8	4.610	7.292	18.440
107	5	8	2.890	5.708	14.450
108	10	8	1.340	5.293	13.400
109	24	8	0.430	4.155	10.320
110	22	8	0.750	6.590	16.500
111	8	8	0.550	1.769	4.400
112	7	8	1.190	3.291	8.330
113	8	8	1.180	3.738	9.440
114	7	8	1.150	3.196	8.050
115	6	12	5.720 ... 12.000	47.206	53.160
116	6	12	12.000	63.936	72.000
117	6	12	5.720 ... 12.000	47.206	53.160
119	3	12	2.370	6.337	7.110
120	2	12	0.770	1.372	1.540
121	2	12	0.670	1.195	1.340
122	2	12	1.730 ... 12.000	12.194	13.730
123	2	12	1.730 ... 12.000	12.194	13.730
124	72	10	0.970	43.502	69.840
125	28	12	1.400	34.934	39.200
126	30	12	1.240	33.100	37.200
127	38	12	0.790	26.820	30.020
128	38	12	0.770	26.314	29.260
129	16	16	1.450	36.782	23.200
130	4	10	1.730	4.288	6.920

Stabstahl nach Laufende Meter

Position	Ø (mm)	Länge (m)	Gewicht (kg)
	8	138.950	54.885
	10	985.600	608.115
	12	1.380	1.237

Gesamt Bewehrungsstäbe

Ø (mm)	kg / m	Länge (m)	Gewicht (kg)
8	0.396	4001.630	1582.977
10	0.619	2037.670	1261.768
12	0.890	547.910	487.481
16	1.585	23.200	36.782
Gesamtgewicht:			3369.009 kg

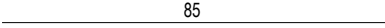
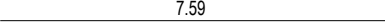
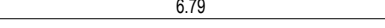
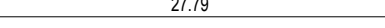
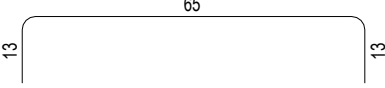
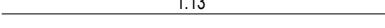
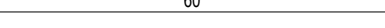
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Biegeformen - Stabstahl

Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
1	246	8	0.850	00	0	0.85							98.568	249.540
														
2	6	8	7.590	00	0	7.59							17.988	45.540
														
3	8	8	6.790	00	0	6.79							29.555	55.900
														
4	5	8	27.790	00	0	27.79							54.885	138.950
														
5	184	8	0.900	00	0	0.65						-90 -90	65.688	165.600
														
6	8	8	1.130	00	0	1.13							3.586	9.040
														
7	8	8	0.600	00	0	0.60							1.896	4.800
														

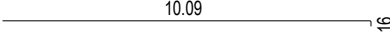
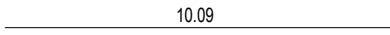
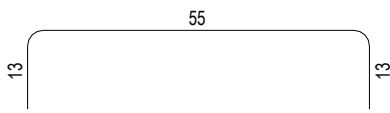
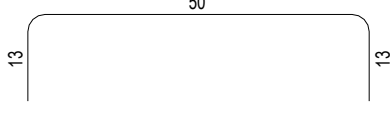
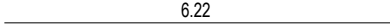
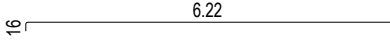
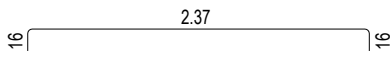
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Biegeformen - Stabstahl

Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
8	2	12	10.240	00	0	10.09						90	18.200	20.480
														
9	12	8	10.090	00	0	10.09							47.827	121.080
														
10	112	8	0.800	00	0	0.55						-90 -90	35.560	89.600
														
11	369	8	0.750	00	0	0.50						-90 -90	109.870	276.750
														
12	12	8	6.210	00	0	6.22							29.459	74.520
														
13	2	12	6.370	00	0	6.22						90	11.318	12.740
														
14	2	12	2.670	00	0	2.36						90 90	4.757	5.340
														

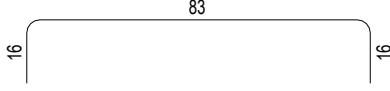
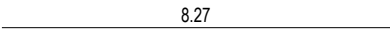
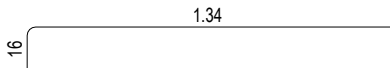
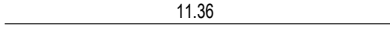
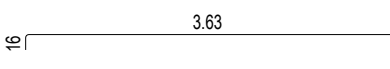
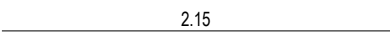
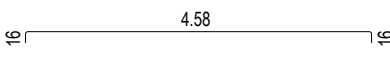
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Biegeformen - Stabstahl

Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
15	2	12	1.130	00	0	0.82						90 90	2.022	2.260
														
16	2	12	8.270	00	0	8.27							14.688	16.540
														
17	2	12	1.490	00	0	1.34						90	2.664	2.980
														
18	2	12	11.360	00	0	11.36							20.175	22.720
														
19	2	12	3.780	00	0	3.63						90	6.727	7.560
														
20	2	12	2.140	00	0	2.15							3.815	4.280
														
21	2	12	4.880	00	0	4.57						90 90	8.682	9.760
														

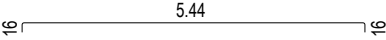
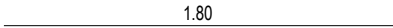
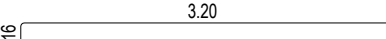
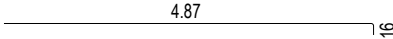
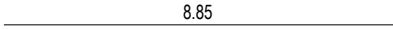
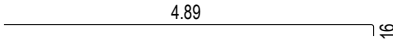
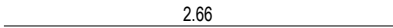
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Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
22	2	12	5.740	00	0	5.43						90 90	10.201	11.480
														
23	2	12	1.800	00	0	1.80							3.197	3.600
														
24	2	12	3.350	00	0	3.20						90	5.963	6.700
														
25	2	12	5.020	00	0	4.87						90	8.929	10.040
														
26	2	12	8.850	00	0	8.85							15.718	17.700
														
27	2	12	5.040	00	0	4.89						90	8.965	10.080
														
28	2	12	2.660	00	0	2.66							4.724	5.320
														

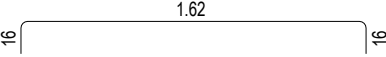
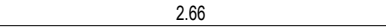
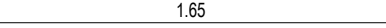
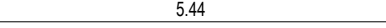
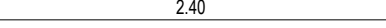
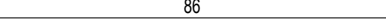
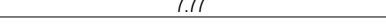
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Biegeformen - Stabstahl

Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
29	2	12	1.920	00	0	1.61						90 90	3.425	3.840
														
30	6	8	2.660	00	0	2.66							6.304	15.960
														
31	12	8	1.650	00	0	1.65							7.821	19.800
														
32	6	8	5.430	00	0	5.44							12.893	32.580
														
33	10	8	2.390	00	0	2.40							9.480	23.900
														
34	10	8	0.860	00	0	0.86							3.397	8.600
														
35	6	8	7.770	00	0	7.77							18.415	46.620
														

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Biegeformen - Stabstahl

Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
36	5	8	1.360	00	0	1.37							2.700	6.800
						1.37								
37	5	8	1.380	00	0	1.39							2.735	6.900
						1.39								
38	5	8	11.400	00	0	11.40							22.515	57.000
						11.40								
39	5	8	11.350	00	0	11.35							22.424	56.750
						11.35								
40	5	8	3.670	00	0	3.68							7.258	18.350
						3.68								
41	5	8	3.660	00	0	3.67							7.246	18.300
						3.67								
42	6	8	1.890	00	0	1.90							4.498	11.340
						1.90								

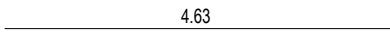
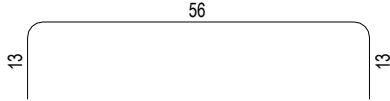
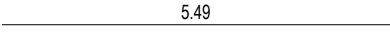
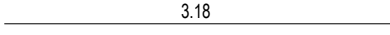
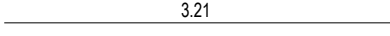
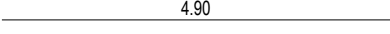
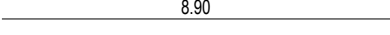
Stahl- und Biegeliste

VORABZUG

Projektnr. : 22063
 Bauwerk : Jugendbauhütte Johannistal
 Plannr. : Bewehrung - Arbeitsstand! Ausgabe f. grobe Mengenkalkulation

Bauteil : Fundamente,
 Fernwärmeschacht

Biegeformen - Stabstahl

Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
43	10	8	4.630	00	0	4.63							18.288	46.300
														
44	20	8	0.810	00	0	0.56						-90 -90	6.429	16.200
														
45	10	8	5.480	00	0	5.49							21.666	54.800
														
46	5	8	3.170	00	0	3.18							6.271	15.850
														
47	5	8	3.210	00	0	3.21							6.347	16.050
														
48	10	8	4.890	00	0	4.90							19.335	48.900
														
49	6	8	8.900	00	0	8.90							21.093	53.400
														

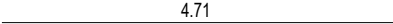
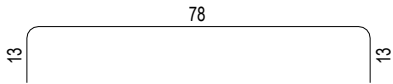
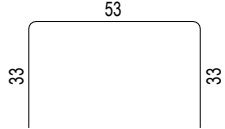
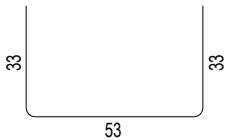
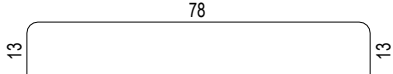
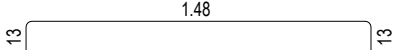
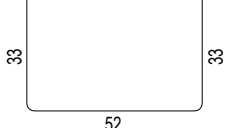
Stahl- und Biegeliste

VORABZUG

Projektnr. : 22063
 Bauwerk : Jugendbauhütte Johannistal
 Plannr. : Bewehrung - Arbeitsstand! Ausgabe f. grobe Mengenkalkulation

Bauteil : Fundamente,
 Fernwärmeschacht

Biegeformen - Stabstahl

Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
50	10	8	4.710	00	0	4.71							18.604	47.100
														
51	135	10	1.030	00	0	0.77						90 90	86.398	139.050
														
52	189	10	1.170	00	0	0.52						90 90	137.516	221.130
														
53	281	10	1.180	00	0	0.52						90 90	205.842	331.580
														
54	30	8	1.030	00	0	0.78						90 90	12.251	30.900
														
55	40	8	1.730	00	0	1.48						90 90	27.394	69.200
														
56	36	10	1.160	00	0	0.51						90 90	25.971	41.760
														

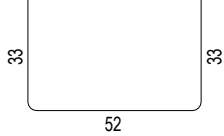
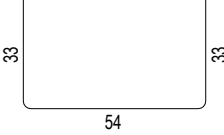
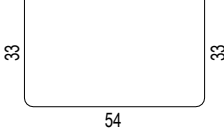
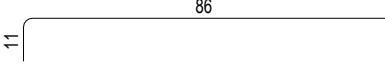
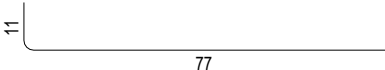
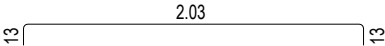
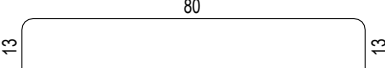
Stahl- und Biegeliste

VORABZUG

Projektnr. : 22063
 Bauwerk : Jugendbauhütte Johannistal
 Plannr. : Bewehrung - Arbeitsstand! Ausgabe f. grobe Mengenkalkulation

Bauteil : Fundamente,
 Fernwärmeschacht

Biegeformen - Stabstahl

Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
57	36	10	1.170	00	0	0.51						-90 -90	26.149	42.120
														
58	12	10	1.180	00	0	0.53						90 90	8.805	14.160
														
59	12	10	1.190	00	0	0.53						-90 -90	8.864	14.280
														
60	3	8	0.960	00	0	0.86						-90	1.138	2.880
														
61	5	8	0.870	00	0	0.77						90	1.729	4.350
														
62	12	10	2.280	00	0	2.02						90 90	16.935	27.360
														
63	43	10	1.050	00	0	0.79						-90 -90	28.050	45.150
														

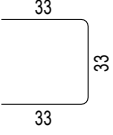
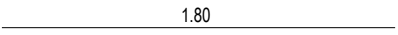
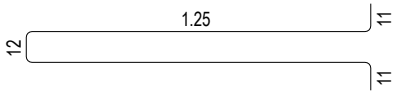
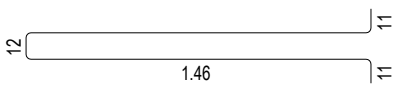
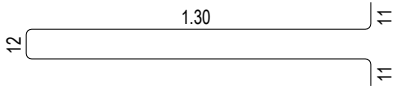
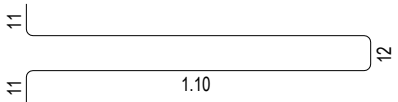
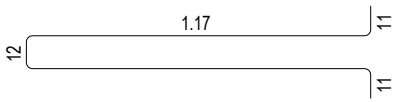
Stahl- und Biegeliste

VORABZUG

Projektnr. : 22063
 Bauwerk : Jugendbauhütte Johannistal
 Plannr. : Bewehrung - Arbeitsstand! Ausgabe f. grobe Mengenkalkulation

Bauteil : Fundamente,
 Fernwärmeschacht

Biegeformen - Stabstahl

Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
64	14	10	0.980	00	0	0.32						90 90	8.528	13.720
														
65	6	8	1.800	00	0	1.80							4.266	10.800
														
66	101	8	2.830	21	32	1.25	0.12	1.25				-90 -90	112.907	285.800
														
67	19	8	3.240	21	32	1.46	0.12	1.46				-90 -90	24.284	61.470
														
68	15	8	2.920	21	32	1.30	0.12	1.30				-90 -90	17.303	43.800
														
69	38	8	2.530	21	32	1.10	0.12	1.10				-90 -90	37.981	96.140
														
70	37	8	2.670	21	32	1.17	0.12	1.17				-90 -90	39.028	98.790
														

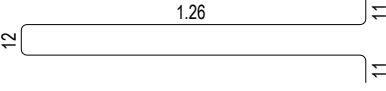

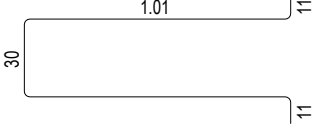
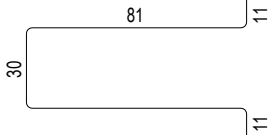
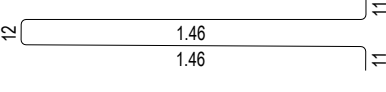
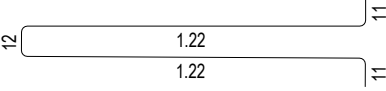
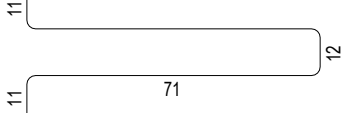
Stahl- und Biegeliste

VORABZUG

Projektnr. : 22063
 Bauwerk : Jugendbauhütte Johannistal
 Plannr. : Bewehrung - Arbeitsstand! Ausgabe f. grobe Mengenkalkulation

Bauteil : Fundamente,
 Fernwärmeschacht

Biegeformen - Stabstahl

Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
71	37	8	2.850	21	32	1.26	0.12	1.26				-90 -90	41.540	105.150
														
72	51	8	2.750	21	32	1.21	0.12	1.21				-90 -90	55.442	140.340
														
73	2	8	2.520	21	32	1.01	0.30	1.01				-90 -90	1.991	5.040
														
74	10	8	2.120	21	32	0.81	0.30	0.81				-90 -90	8.376	21.200
														
75	7	8	3.230	21	32	1.46	0.12	1.46				-90 -90	8.947	22.610
														
76	25	8	2.750	21	32	1.22	0.12	1.22				-90 -90	27.215	68.750
														
77	96	8	1.740	21	32	0.71	0.12	0.71				-90 -90	66.043	166.870
														

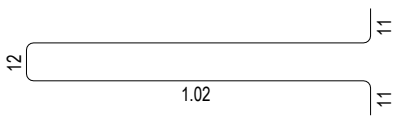
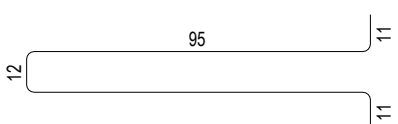
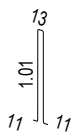
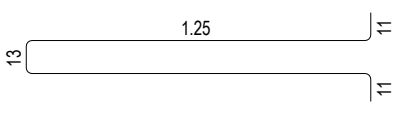
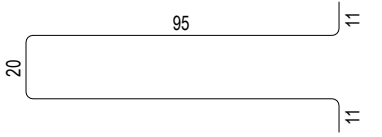
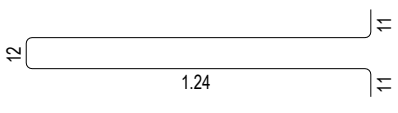
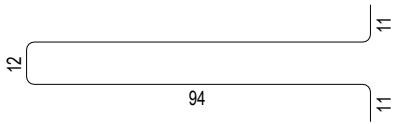
Stahl- und Biegeliste

VORABZUG

Projektnr. : 22063
 Bauwerk : Jugendbauhütte Johannistal
 Plannr. : Bewehrung - Arbeitsstand! Ausgabe f. grobe Mengenkalkulation

Bauteil : Fundamente,
 Fernwärmeschacht

Biegeformen - Stabstahl

Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
78	98	8	2.360	21	32	1.02	0.12	1.02				-90 -90	91.051	230.470
														
79	18	8	2.220	21	32	0.95	0.12	0.95				-90 -90	15.779	39.940
														
80	70	8	2.350	21	32	1.01	0.13	1.01				-90 -90	65.211	164.500
														
81	18	8	2.830	21	32	1.25	0.13	1.25				-90 -90	20.181	50.940
														
82	3	8	2.290	21	32	0.95	0.20	0.95				-90 -90	2.724	6.870
														
83	9	8	2.810	21	32	1.24	0.12	1.24				-90 -90	9.991	25.290
														
84	3	8	2.200	21	32	0.94	0.12	0.94				-90 -90	2.611	6.600
														

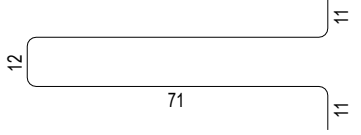
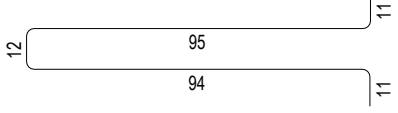
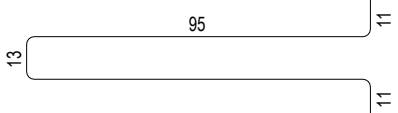
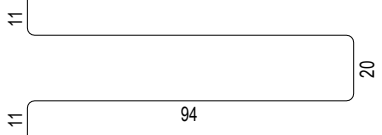
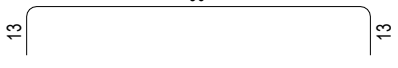
Stahl- und Biegeliste

VORABZUG

Projektnr. : 22063
 Bauwerk : Jugendbauhütte Johannistal
 Plannr. : Bewehrung - Arbeitsstand! Ausgabe f. grobe Mengenkalkulation

Bauteil : Fundamente,
 Fernwärmeschacht

Biegeformen - Stabstahl

Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
85	38	8	1.740	21	32	0.71	0.12	0.71				-90 -90	26.196	66.120
														
86	6	8	2.210	21	32	0.94	0.12	0.95				-90 -90	5.259	13.260
														
87	16	8	2.220	21	32	0.95	0.13	0.95				-90 -90	14.065	35.520
														
91	3	8	2.280	21	32	0.94	0.20	0.94				-90 -90	2.710	6.840
														
92	3	8	2.270	21	32	0.93	0.20	0.93				-90 -90	2.690	6.810
														
95	44	10	1.150	00	0	0.89						-90 -90	31.417	50.600
														
96	6	8	0.630	00	0	0.38						90 90	1.502	3.780
														

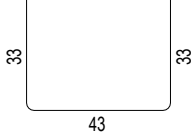
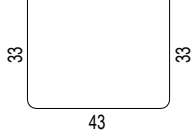
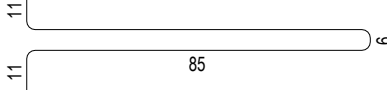
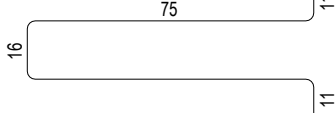
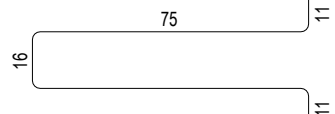
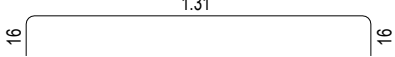
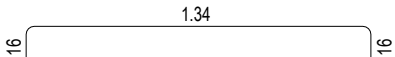
Stahl- und Biegeliste

VORABZUG

Projektnr. : 22063
 Bauwerk : Jugendbauhütte Johannistal
 Plannr. : Bewehrung - Arbeitsstand! Ausgabe f. grobe Mengenkalkulation

Bauteil : Fundamente,
 Fernwärmeschacht

Biegeformen - Stabstahl

Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
97	16	10	1.070	00	0	0.42						90 90	10.654	17.120
														
98	16	10	1.080	00	0	0.42						-90 -90	10.733	17.280
														
99	8	8	1.970	21	32	0.85	0.06	0.85				-90 -90	6.226	15.760
														
100	2	8	1.870	21	32	0.75	0.16	0.75				-90 -90	1.478	3.740
														
101	6	8	1.860	21	32	0.75	0.16	0.75				-90 -90	4.409	11.160
														
104	2	12	1.610	00	0	1.30						90 90	2.875	3.220
														
105	2	12	1.640	00	0	1.33						90 90	2.928	3.280
														

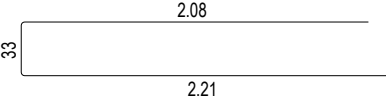
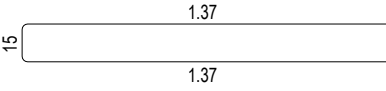
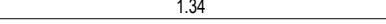
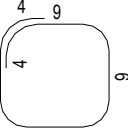
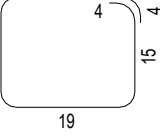
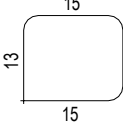
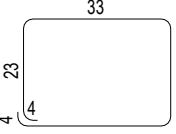
Stahl- und Biegeliste

VORABZUG

Projektnr. : 22063
 Bauwerk : Jugendbauhütte Johannistal
 Plannr. : Bewehrung - Arbeitsstand! Ausgabe f. grobe Mengenkalkulation

Bauteil : Fundamente,
 Fernwärmeschacht

Biegeformen - Stabstahl

Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
106	4	8	4.610	21	32	2.08	0.33	2.21					7.292	18.440
														
107	5	8	2.890	21	32	1.37	0.15	1.37					5.708	14.450
														
108	10	8	1.340	00	0	1.34							5.293	13.400
														
109	24	8	0.430	31	32	0.09	0.09	0.09	0.09			90 90	4.155	10.320
														
110	22	8	0.750	31	32	0.15	0.15	0.19	0.19			90 90	6.590	16.500
														
111	8	8	0.550	31	32	0.15	0.13	0.15	0.13				1.769	4.400
														
112	7	8	1.190	31	32	0.23	0.23	0.33	0.33			90 90	3.291	8.330
														

Stahl- und Biegeliste

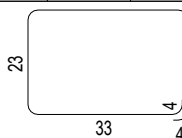
VORABZUG

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 Bauwerk : Jugendbauhütte Johannistal
 Plannr. : Bewehrung - Arbeitsstand! Ausgabe f. grobe Mengenkalkulation

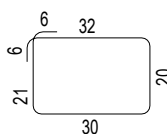
Bauteil : Fundamente,
 Fernwärmeschacht

Biegeformen - Stabstahl

Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
113	8	8	1.180	31	32	0.23	0.33	0.23	0.33			90 90	3.738	9.440



114	7	8	1.150	31	32	0.21	0.30	0.20	0.32			90 90	3.196	8.050
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115	6	12	Variable	00	0	s. u.	s. u.	s. u.	s. u.	s. u.	s. u.		47.206	53.160
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Unterposition

115.1	3	12	12.000	00	0	12.00								
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12.00

Unterposition

115.2	3	12	5.720	00	0	5.72								
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5.72

116	6	12	12.000	00	0	12.00							63.936	72.000
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12.00

117	6	12	Variable	00	0	s. u.	s. u.	s. u.	s. u.	s. u.	s. u.		47.206	53.160
-----	---	----	----------	----	---	-------	-------	-------	-------	-------	-------	--	--------	--------

Unterposition

117.1	3	12	5.720	00	0	5.72								
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5.72

Stahl- und Biegeliste

VORABZUG

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Bauteil : Fundamente,
 Fernwärmeschacht

Biegeformen - Stabstahl

Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
Unterposition														
117.2	3	12	12.000	00	0	12.00								
						<div>12.00</div>								
119	3	12	2.370	00	0	2.06						-90 -90	6.337	7.110
						<div>2.07</div>								
120	2	12	0.770	00	0	0.62						-90	1.372	1.540
						<div>62</div>								
121	2	12	0.670	00	0	0.52						-90	1.195	1.340
						<div>52</div>								
122	2	12	Variable	00	0	s. u.	s. u.	s. u.	s. u.	s. u.	s. u.		12.194	13.730
Unterposition														
122.1	1	12	1.730	00	0	1.73								
						<div>1.73</div>								
Unterposition														
122.2	1	12	12.000	00	0	12.00								
						<div>12.00</div>								

Stahl- und Biegeliste

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Biegeformen - Stabstahl

Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
123	2	12	Variable	00	0	s. u.	s. u.	s. u.	s. u.	s. u.	s. u.		12.194	13.730
<div> <div></div> <div></div> <div></div> </div>														
Unterposition														
123.1	1	12	12.000	00	0	12.00								
<div> <div></div> <div>12.00</div> <div></div> </div>														
Unterposition														
123.2	1	12	1.730	00	0	1.73								
<div> <div></div> <div>1.73</div> <div></div> </div>														
124	72	10	0.970	00	0	0.12						-90 -90	43.502	69.840
<div> <div></div> <div>43</div> <div>13</div> <div>43</div> </div>														
125	28	12	1.400	00	0	1.41							34.934	39.200
<div> <div></div> <div>1.41</div> <div></div> </div>														
126	30	12	1.240	00	0	1.24							33.100	37.200
<div> <div></div> <div>1.24</div> <div></div> </div>														
127	38	12	0.790	00	0	0.47						90	26.820	30.020
<div> <div></div> <div>33</div> <div>47</div> </div>														

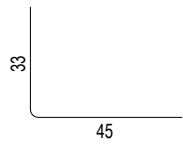
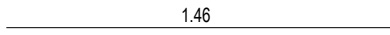
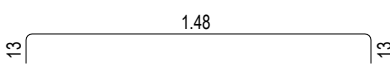
Stahl- und Biegeleiste

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Biegeformen - Stabstahl

Pos.	Anz.	Ø	Länge	Typ	d _{br} (mm)	A	B	C	D	E	F	Haken(°)	Gewicht (kg)	Gesamtlänge (m)
128	38	12	0.770	00	0	0.45						90	26.314	29.260
														
129	16	16	1.450	00	0	1.46							36.782	23.200
														
130	4	10	1.730	00	0	1.47						90 90	4.288	6.920
														

Unterstützungskörbe

Typ	kg / m	Stück	Länge (m)	Gewicht (kg)
	0.66	0.00		

(Alle Angaben gerundet!)