



## Punktlasten

Rig	Handle	Number	Static Load Stress	Dynamic Load Stress	Support	Static Force [kN]	Static Utilization [%]	Dynamic Force [kN]	Dynamic Utilization [%]	Max Valid Force [kN]	Height [m]
1	51FB	51FB	OK	OK	D8+	-1.826	36.51	-2.191	43.82	5.000	6
1	51FC	51FC	OK	OK	D8+	-0.637	12.74	-0.764	15.28	5.000	6
1	5205	5205	OK	OK	D8+	-1.689	33.78	-2.027	40.53	5.000	6
1	51FA	51FA	OK	OK	D8+	-2.324	46.49	-2.789	55.78	5.000	6
1	51F9	51F9	OK	OK	D8+	-2.436	48.72	-2.923	58.47	5.000	6
1	51F8	51F8	OK	OK	D8+	-1.706	34.13	-2.048	40.95	5.000	6
1	51F6	51F6	OK	OK	D8+	-1.458	29.16	-1.749	34.99	5.000	6
1	51F7	51F7	OK	OK	D8+	-2.332	46.63	-2.798	55.96	5.000	6
1	51FD	51FD	OK	OK	D8+	-0.699	13.98	-0.839	16.78	5.000	6
1	51FE	51FE	OK	OK	D8+	-2.808	56.16	-3.369	67.39	5.000	6
1	51FF	51FF	OK	OK	D8+	-1.698	33.96	-2.038	40.76	5.000	6
1	5200	5200	OK	OK	D8+	-2.511	50.23	-3.014	60.28	5.000	6
1	5203	5203	OK	OK	D8+	-2.575	51.50	-3.090	61.80	5.000	6
1	5201	5201	OK	OK	D8+	-2.920	58.40	-3.504	70.09	5.000	6
1	51F5	51F5	OK	HOCH	D8+	-3.682	73.64	-4.418	88.36	5.000	6
1	5206	5206	OK	OK	D8+	-0.929	18.58	-1.115	22.30	5.000	6
1	5204	5204	OK	OK	D8+	-1.358	27.16	-1.629	32.59	5.000	6
1	5209	5209	OK	OK	D8+	-2.562	51.24	-3.074	61.49	5.000	6
1	5202	5202	OK	OK	D8+	-1.741	34.82	-2.089	41.78	5.000	6
1	520A	520A	OK	OK	D8+	-2.504	50.09	-3.005	60.10	5.000	6
1	5208	5208	OK	OK	D8+	-3.039	60.77	-3.646	72.93	5.000	6
1	520B	520B	OK	OK	D8+	-2.372	47.44	-2.846	56.93	5.000	6
1	5207	5207	OK	OK	D8+	-1.354	27.09	-1.625	32.51	5.000	6
1	5210	5210	OK	OK	D8+	-2.459	49.18	-2.951	59.02	5.000	6
1	520E	520E	OK	HOCH	D8+	-3.296	65.92	-3.955	79.11	5.000	6
1	520D	520D	OK	OK	D8+	-1.904	38.09	-2.285	45.70	5.000	6
1	520C	520C	OK	OK	D8+	-2.461	49.22	-2.953	59.06	5.000	6
1	520F	520F	OK	OK	D8+	-1.000	20.00	-1.200	24.00	5.000	6

## Punktlasten

Rig	Handle	Number	Static Load Stress	Dynamic Load Stress	Support	Static Force [kN]	Static Utilization [%]	Dynamic Force [kN]	Dynamic Utilization [%]	Max Valid Force [kN]	Height [m]
1	5211	5211	OK	OK	D8+	-1.511	30.22	-1.813	36.26	5.000	6
1	5212	5212	OK	OK	D8+	-1.787	35.73	-2.144	42.88	5.000	6
1	5213	5213	OK	OK	D8+	-1.316	26.31	-1.579	31.57	5.000	6
1	5214	5214	OK	OK	D8+	-1.751	35.02	-2.101	42.02	5.000	6
1	521B	521B	OK	OK	D8+	-2.577	51.54	-3.093	61.85	5.000	6
1	5215	5215	OK	OK	D8+	-2.159	43.18	-2.591	51.82	5.000	6
1	5217	5217	OK	OK	D8+	-2.330	46.59	-2.796	55.91	5.000	6
1	5218	5218	OK	OK	D8+	-2.375	47.50	-2.850	57.00	5.000	6
1	521C	521C	OK	OK	D8+	-2.036	40.72	-2.443	48.87	5.000	6
1	5216	5216	OK	OK	D8+	-1.239	24.78	-1.487	29.73	5.000	6
<b>SUM <math>\Sigma</math></b>						<b>-77.361</b>	<b>x 1.20 =</b>	<b>-92.833</b>			

Auflagerlasten	13.110
Einzellasten	22.180
Preriglasten	0.000
Streckenlasten	42.071
<b>SUM <math>\Sigma</math></b>	<b>77.361</b>

<b>DELTA <math>\Delta</math></b>	<b>0.000</b>
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## Punktlasten mit Lastanteilen nach Gewerken

Rig	Handle	Number	Support	Static Force [kN]	Light [%]	Audio [%]	Video [%]	Media Accessories [%]	Truss [%]	Rigging [%]	Motor [%]	Point [%]	Rig Accessories [%]	SUM [%]
1	51FB	51FB	D8+	-1.826	10.19	0.00	0.00	0.00	51.06	12.44	18.90	0.00	0.00	92.59
1	51FC	51FC	D8+	-0.637	9.69	0.00	0.00	0.00	41.89	-11.94	54.18	0.00	0.00	93.82
1	5205	5205	D8+	-1.689	9.04	0.00	0.00	0.00	53.51	9.29	20.43	0.00	0.00	92.26
1	51FA	51FA	D8+	-2.324	20.26	0.00	0.00	0.00	49.82	7.60	14.84	0.00	0.00	92.52
1	51F9	51F9	D8+	-2.436	15.18	0.00	0.00	0.00	55.65	6.52	14.16	0.00	0.00	91.51
1	51F8	51F8	D8+	-1.706	17.73	0.00	0.00	0.00	53.11	0.58	20.22	0.00	0.00	91.63
1	51F6	51F6	D8+	-1.458	20.23	0.00	0.00	0.00	27.26	24.98	23.66	0.00	0.00	96.14
1	51F7	51F7	D8+	-2.332	18.95	0.00	0.00	0.00	35.70	25.38	14.80	0.00	0.00	94.82
1	51FD	51FD	D8+	-0.699	1.19	0.00	0.00	0.00	57.40	-16.28	49.35	0.00	0.00	91.66
1	51FE	51FE	D8+	-2.808	7.37	0.00	0.00	0.00	59.57	12.17	12.29	0.00	0.00	91.40
1	51FF	51FF	D8+	-1.698	5.15	0.00	0.00	0.00	51.89	14.94	20.32	0.00	0.00	92.30
1	5200	5200	D8+	-2.511	15.05	0.00	0.00	0.00	44.06	20.58	13.74	0.00	0.00	93.43
1	5203	5203	D8+	-2.575	6.15	0.00	0.00	0.00	62.42	9.05	13.40	0.00	0.00	91.03
1	5201	5201	D8+	-2.920	18.05	0.00	0.00	0.00	30.38	35.49	11.81	0.00	0.00	95.74
1	51F5	51F5	D8+	-3.682	17.39	0.00	0.00	0.00	43.32	23.53	9.37	0.00	0.00	93.61
1	5206	5206	D8+	-0.929	1.80	0.00	0.00	0.00	54.85	-2.22	37.13	0.00	0.00	91.56
1	5204	5204	D8+	-1.358	19.35	0.00	0.00	0.00	46.22	2.33	25.41	0.00	0.00	93.30
1	5209	5209	D8+	-2.562	10.16	0.00	0.00	0.00	53.60	14.56	13.47	0.00	0.00	91.79
1	5202	5202	D8+	-1.741	14.13	0.00	0.00	0.00	50.21	8.18	19.82	0.00	0.00	92.34
1	520A	520A	D8+	-2.504	13.04	0.00	0.00	0.00	28.30	40.69	13.78	0.00	0.00	95.81
1	5208	5208	D8+	-3.039	7.18	0.00	0.00	0.00	55.87	16.97	11.35	0.00	0.00	91.37
1	520B	520B	D8+	-2.372	11.35	0.00	0.00	0.00	31.08	38.44	14.54	0.00	0.00	95.42
1	5207	5207	D8+	-1.354	0.26	0.00	0.00	0.00	50.47	16.16	25.47	0.00	0.00	92.37
1	5210	5210	D8+	-2.459	5.02	0.00	0.00	0.00	57.63	14.71	14.03	0.00	0.00	91.39
1	520E	520E	D8+	-3.296	9.60	0.00	0.00	0.00	62.21	8.28	10.47	0.00	0.00	90.55
1	520D	520D	D8+	-1.904	13.66	0.00	0.00	0.00	54.17	5.76	18.12	0.00	0.00	91.71
1	520C	520C	D8+	-2.461	24.60	0.00	0.00	0.00	34.63	21.99	14.02	0.00	0.00	95.24
1	520F	520F	D8+	-1.000	18.54	0.00	0.00	0.00	30.22	12.40	34.51	0.00	0.00	95.67

## Punktlasten mit Lastanteilen nach Gewerken

Rig	Handle	Number	Support	Static Force [kN]	Light [%]	Audio [%]	Video [%]	Media Accessories [%]	Truss [%]	Rigging [%]	Motor [%]	Point [%]	Rig Accessories [%]	SUM [%]
1	5211	5211	D8+	-1.511	-0.97	0.00	0.00	0.00	54.81	14.97	22.84	0.00	0.00	91.64
1	5212	5212	D8+	-1.787	12.43	0.00	0.00	0.00	49.50	11.05	19.31	0.00	0.00	92.29
1	5213	5213	D8+	-1.316	17.34	0.00	0.00	0.00	51.99	-3.73	26.22	0.00	0.00	91.82
1	5214	5214	D8+	-1.751	16.51	0.00	0.00	0.00	52.69	2.79	19.70	0.00	0.00	91.70
1	521B	521B	D8+	-2.577	21.01	0.00	0.00	0.00	40.40	19.26	13.39	0.00	0.00	94.06
1	5215	5215	D8+	-2.159	7.93	0.00	0.00	0.00	53.93	13.75	15.98	0.00	0.00	91.60
1	5217	5217	D8+	-2.330	16.77	0.00	0.00	0.00	36.21	27.11	14.81	0.00	0.00	94.90
1	5218	5218	D8+	-2.375	12.56	0.00	0.00	0.00	55.10	9.23	14.53	0.00	0.00	91.42
1	521C	521C	D8+	-2.036	19.38	0.00	0.00	0.00	32.75	26.22	16.94	0.00	0.00	95.30
1	5216	5216	D8+	-1.239	5.99	0.00	0.00	0.00	39.89	20.81	27.85	0.00	0.00	94.53

## Traversenbemessung

Anzeige der maximalen Belastung pro Traversenstrecke mit Sicherheitskonzept nach EUROCODE

#	Load Stress	Max Utilization [%]	Manufacturer	Name	Handle	Length [mm]	Bending moment [kNm]	Bending resistance [kNm]	Bending Utilization [%]	Shear force [kN]	Shear resistance [kN]	Shear Utilization [%]	Height [mm]
1	OK	20.45	PROLYTE	H30V	42F0	6149.000	-4.846	24.000	20.19	-3.012	14.730	20.45	6119
2	OK	14.12	PROLYTE	H30V	4429	7019.000	3.388	24.000	14.12	-2.070	14.730	14.05	6119
3	OK	16.05	PROLYTE	H30V	448C	2729.000	3.121	24.000	13.01	2.364	14.730	16.05	6119
4	OK	14.07	PROLYTE	H30V	4498	2729.000	-3.377	24.000	14.07	1.827	14.730	12.41	6119
5	OK	18.29	PROLYTE	H30V	442E	7019.000	-2.164	24.000	9.02	2.694	14.730	18.29	6119
6	OK	13.51	PROLYTE	H30V	44A4	2729.000	2.164	24.000	9.02	1.991	14.730	13.51	6119
7	OK	12.35	PROLYTE	H30V	4563	6149.000	-2.754	24.000	11.47	-1.819	14.730	12.35	6119
8	OK	15.19	PROLYTE	H30V	448F	4149.000	2.651	24.000	11.05	2.237	14.730	15.19	6119
9	OK	9.80	PROLYTE	H30V	4569	7019.000	2.352	24.000	9.80	1.052	14.730	7.14	6119
10	OK	20.45	PROLYTE	H30V	449B	4149.000	-4.846	24.000	20.19	-3.012	14.730	20.45	6119
11	OK	4.23	PROLYTE	H30V	4489	9229.000	1.016	24.000	4.23	0.618	14.730	4.20	6119
12	OK	3.14	PROLYTE	H30V	456D	7019.000	-0.654	24.000	2.72	-0.463	14.730	3.14	6119
13	OK	1.96	PROLYTE	H30V	44B0	2729.000	-0.457	24.000	1.90	-0.288	14.730	1.96	6119
14	OK	7.07	PROLYTE	H30V	44A7	4149.000	1.698	24.000	7.07	0.686	14.730	4.66	6119
15	OK	11.11	PROLYTE	H30V	4573	6149.000	1.815	24.000	7.56	-1.636	14.730	11.11	6119
16	OK	1.55	PROLYTE	H30V	4492	4439.000	0.283	24.000	1.18	0.228	14.730	1.55	6119
17	OK	18.70	PROLYTE	H30V	4579	7019.000	1.262	24.000	5.26	2.754	14.730	18.70	6119
18	OK	19.66	PROLYTE	H30V	449E	4439.000	-4.719	24.000	19.66	-1.944	14.730	13.20	6119
19	OK	2.68	PROLYTE	H30V	4558	2729.000	-0.572	24.000	2.39	0.394	14.730	2.68	6119
20	OK	5.40	PROLYTE	H30V	4572	9229.000	-1.115	24.000	4.65	0.795	14.730	5.40	6119
21	OK	12.92	PROLYTE	H30V	457D	7019.000	-1.837	24.000	7.65	1.904	14.730	12.92	6119
22	OK	4.10	PROLYTE	H30V	44B3	4149.000	0.985	24.000	4.10	0.561	14.730	3.81	6119
23	OK	5.99	PROLYTE	H30V	458D	7019.000	-1.437	24.000	5.99	0.858	14.730	5.82	6119
24	OK	7.89	PROLYTE	H30V	44AA	4439.000	-1.894	24.000	7.89	-1.091	14.730	7.41	6119
25	OK	8.20	PROLYTE	H30V	4583	6149.000	-1.053	24.000	4.39	-1.208	14.730	8.20	6119
26	OK	2.18	PROLYTE	H30V	4495	4439.000	-0.274	24.000	1.14	0.321	14.730	2.18	6119

## Traversenbemessung

Anzeige der maximalen Belastung pro Traversenstrecke mit Sicherheitskonzept nach EUROCODE

#	Load Stress	Max Utilization [%]	Manufacturer	Name	Handle	Length [mm]	Bending moment [kNm]	Bending resistance [kNm]	Bending Utilization [%]	Shear force [kN]	Shear resistance [kN]	Shear Utilization [%]	Height [mm]
27	OK	7.87	PROLYTE	H30V	4589	7019.000	1.701	24.000	7.09	1.159	14.730	7.87	6119
28	OK	6.76	PROLYTE	H30V	44A1	4439.000	1.623	24.000	6.76	0.928	14.730	6.30	6119
29	OK	14.05	PROLYTE	H30V	455A	4149.000	-2.424	24.000	10.10	-2.070	14.730	14.05	6119
30	OK	5.18	PROLYTE	H30V	4582	9229.000	1.243	24.000	5.18	0.672	14.730	4.56	6119
31	OK	4.06	PROLYTE	H30V	44B6	4439.000	-0.956	24.000	3.98	-0.598	14.730	4.06	6119
32	OK	7.58	PROLYTE	H30V	44AD	4439.000	1.819	24.000	7.58	0.814	14.730	5.53	6119
33	OK	10.04	PROLYTE	H30V	4599	7019.000	-1.366	24.000	5.69	-1.479	14.730	10.04	6119
34	OK	2.73	PROLYTE	H30V	44B9	4439.000	0.525	24.000	2.19	0.402	14.730	2.73	6119
35	OK	9.25	PROLYTE	H30V	4592	9229.000	-2.220	24.000	9.25	0.991	14.730	6.72	6119
36	OK	11.81	PROLYTE	H30V	4593	6149.000	-1.659	24.000	6.91	1.740	14.730	11.81	6119
37	OK	10.41	PROLYTE	H30V	455C	4439.000	-2.402	24.000	10.01	-1.534	14.730	10.41	6119
38	OK	12.89	PROLYTE	H30V	45A8	4149.000	-2.680	24.000	11.16	-1.899	14.730	12.89	6119
39	OK	16.05	PROLYTE	H30V	459D	7019.000	3.121	24.000	13.01	2.364	14.730	16.05	6119
40	OK	14.07	PROLYTE	H30V	45A2	9229.000	-3.377	24.000	14.07	1.827	14.730	12.41	6119
41	OK	8.65	PROLYTE	H30V	455E	4439.000	2.076	24.000	8.65	1.161	14.730	7.88	6119
42	OK	10.86	PROLYTE	H30V	45AC	4439.000	2.606	24.000	10.86	1.422	14.730	9.66	6119
43	OK	5.30	PROLYTE	H30V	45A6	2729.000	-1.157	24.000	4.82	-0.781	14.730	5.30	6119
44	OK	11.11	PROLYTE	H30V	45AA	4439.000	-2.666	24.000	11.11	-1.258	14.730	8.54	6119
45	OK	2.63	PROLYTE	H30V	45C5	4019.000	-0.632	24.000	2.63	0.346	14.730	2.35	6119
46	OK	6.65	PROLYTE	H30V	45C7	4019.000	1.595	24.000	6.65	0.608	14.730	4.13	6119
47	OK	5.01	PROLYTE	H30V	45BC	4149.000	-1.202	24.000	5.01	0.711	14.730	4.83	6119
48	OK	1.98	PROLYTE	H30V	45C9	4019.000	-0.476	24.000	1.98	0.247	14.730	1.68	6119
49	OK	8.99	PROLYTE	H30V	45CB	4019.000	2.136	24.000	8.90	1.324	14.730	8.99	6119
50	OK	5.44	PROLYTE	H30V	45B6	4019.000	0.938	24.000	3.91	-0.801	14.730	5.44	6119
51	OK	4.64	PROLYTE	H30V	45B9	2729.000	-1.110	24.000	4.62	-0.683	14.730	4.64	6119
52	OK	9.02	PROLYTE	H30V	45DE	2729.000	-2.164	24.000	9.02	-1.289	14.730	8.75	6119

## Traversenbemessung

Anzeige der maximalen Belastung pro Traversenstrecke mit Sicherheitskonzept nach EUROCODE

#	Load Stress	Max Utilization [%]	Manufacturer	Name	Handle	Length [mm]	Bending moment [kNm]	Bending resistance [kNm]	Bending Utilization [%]	Shear force [kN]	Shear resistance [kN]	Shear Utilization [%]	Height [mm]
53	OK	5.96	PROLYTE	H30V	45F1	2729.000	1.286	24.000	5.36	-0.878	14.730	5.96	6119
54	OK	8.86	PROLYTE	H30V	4621	2729.000	1.245	24.000	5.19	1.305	14.730	8.86	6119
55	OK	5.18	PROLYTE	H30V	4635	2729.000	-0.821	24.000	3.42	-0.762	14.730	5.18	6119
56	OK	3.04	PROLYTE	H30V	45D7	3019.000	-0.677	24.000	2.82	-0.447	14.730	3.04	6119
57	OK	3.40	PROLYTE	H30V	45BF	4439.000	-0.815	24.000	3.40	-0.356	14.730	2.41	6119
58	OK	18.29	PROLYTE	H30V	45D8	3019.000	1.626	24.000	6.78	2.694	14.730	18.29	6119
59	OK	1.92	PROLYTE	H30V	45C2	4439.000	0.151	24.000	0.63	0.284	14.730	1.92	6119
60	OK	8.38	PROLYTE	H30V	45D9	3019.000	1.773	24.000	7.39	1.234	14.730	8.38	6119
61	OK	11.95	PROLYTE	H30V	45DA	3019.000	-1.961	24.000	8.17	-1.760	14.730	11.95	6119
62	OK	13.51	PROLYTE	H30V	45D6	3019.000	-1.225	24.000	5.10	1.991	14.730	13.51	6119
63	OK	9.02	PROLYTE	H30V	45E1	4149.000	2.164	24.000	9.02	1.085	14.730	7.37	6119
64	OK	4.75	PROLYTE	H30V	45EE	4019.000	1.139	24.000	4.75	0.681	14.730	4.62	6119
65	OK	3.22	PROLYTE	H30V	45FD	4019.000	-0.491	24.000	2.04	0.474	14.730	3.22	6119
66	OK	4.28	PROLYTE	H30V	45F4	4149.000	1.026	24.000	4.28	0.630	14.730	4.28	6119
67	OK	5.82	PROLYTE	H30V	4618	7309.000	-1.309	24.000	5.45	-0.857	14.730	5.82	6119
68	OK	6.94	PROLYTE	H30V	4619	7309.000	-1.666	24.000	6.94	1.003	14.730	6.81	6119
69	OK	5.17	PROLYTE	H30V	4624	4149.000	-1.241	24.000	5.17	-0.745	14.730	5.06	6119
70	OK	12.35	PROLYTE	H30V	462D	5439.000	-1.553	24.000	6.47	-1.819	14.730	12.35	6119
71	OK	5.24	PROLYTE	H30V	461F	5439.000	-0.774	24.000	3.22	0.771	14.730	5.24	6119
72	OK	7.41	PROLYTE	H30V	4638	4149.000	1.778	24.000	7.41	1.088	14.730	7.38	6119
73	OK	5.70	PROLYTE	H30V	45E4	4439.000	-1.369	24.000	5.70	-0.609	14.730	4.14	6119
74	OK	6.95	PROLYTE	H30V	45FF	4019.000	1.487	24.000	6.20	1.024	14.730	6.95	6119
75	OK	2.36	PROLYTE	H30V	45E7	4439.000	0.223	24.000	0.93	0.347	14.730	2.36	6119
76	OK	7.22	PROLYTE	H30V	4601	4019.000	1.734	24.000	7.22	1.049	14.730	7.12	6119
77	OK	7.50	PROLYTE	H30V	4603	4019.000	1.800	24.000	7.50	0.799	14.730	5.42	6119
78	OK	4.71	PROLYTE	H30V	45F7	4439.000	-1.005	24.000	4.19	-0.693	14.730	4.71	6119

## Traversenbemessung

Anzeige der maximalen Belastung pro Traversenstrecke mit Sicherheitskonzept nach EUROCODE

#	Load Stress	Max Utilization [%]	Manufacturer	Name	Handle	Length [mm]	Bending moment [kNm]	Bending resistance [kNm]	Bending Utilization [%]	Shear force [kN]	Shear resistance [kN]	Shear Utilization [%]	Height [mm]
79	OK	4.52	PROLYTE	H30V	461A	7309.000	0.917	24.000	3.82	0.665	14.730	4.52	6119
80	OK	8.34	PROLYTE	H30V	4627	4439.000	2.001	24.000	8.34	0.849	14.730	5.77	6119
81	OK	15.19	PROLYTE	H30V	462F	5439.000	-0.496	24.000	2.07	2.237	14.730	15.19	6119
82	OK	7.67	PROLYTE	H30V	463A	4439.000	-1.787	24.000	7.44	-1.130	14.730	7.67	6119
83	OK	5.04	PROLYTE	H30V	45FA	4439.000	0.788	24.000	3.28	0.742	14.730	5.04	6119
84	OK	6.73	PROLYTE	H30V	461B	7309.000	-1.337	24.000	5.57	0.992	14.730	6.73	6119
85	OK	11.20	PROLYTE	H30V	461C	7309.000	2.651	24.000	11.05	1.649	14.730	11.20	6119
86	OK	8.59	PROLYTE	H30V	462A	4439.000	-2.061	24.000	8.59	-0.908	14.730	6.16	6119
87	OK	13.67	PROLYTE	H30V	4631	5439.000	-2.157	24.000	8.99	-2.014	14.730	13.67	6119
88	OK	7.51	PROLYTE	H30V	463C	4439.000	1.317	24.000	5.49	1.106	14.730	7.51	6119
89	OK	9.54	PROLYTE	H30V	4633	5439.000	-2.290	24.000	9.54	-1.217	14.730	8.26	6119
90	OK	4.93	PROLYTE	H30V	482A	4500.000	-0.812	24.000	3.38	0.726	14.730	4.93	6119
91	OK	2.80	PROLYTE	H30V	4829	4500.000	0.577	24.000	2.40	0.412	14.730	2.80	6119
92	OK	1.76	PROLYTE	H30V	482C	4500.000	-0.264	24.000	1.10	0.259	14.730	1.76	6119
93	OK	4.85	PROLYTE	H30V	47BA	9000.000	1.164	24.000	4.85	-0.565	14.730	3.84	6119
94	OK	2.33	PROLYTE	H30V	47BF	5000.000	-0.398	24.000	1.66	-0.343	14.730	2.33	6119
95	OK	2.23	PROLYTE	H30V	47BE	5000.000	-0.323	24.000	1.34	-0.329	14.730	2.23	6119
96	OK	1.38	PROLYTE	H30V	47BD	5000.000	0.186	24.000	0.78	-0.204	14.730	1.38	6119
97	OK	2.87	PROLYTE	H30V	4824	7000.000	-0.355	24.000	1.48	-0.423	14.730	2.87	6119
98	OK	2.30	PROLYTE	H30V	47BC	5000.000	0.315	24.000	1.31	0.338	14.730	2.30	6119
99	OK	2.16	PROLYTE	H30V	47BB	5000.000	0.369	24.000	1.54	0.318	14.730	2.16	6119
100	OK	1.12	PROLYTE	H30V	47A7	4000.000	-0.223	24.000	0.93	-0.165	14.730	1.12	6119
101	OK	3.23	PROLYTE	H30V	47C5	7999.999	0.463	24.000	1.93	-0.476	14.730	3.23	6119
102	OK	3.66	PROLYTE	H30V	47C6	5999.999	-0.620	24.000	2.58	0.539	14.730	3.66	6119
103	OK	4.93	PROLYTE	H30V	47A5	4000.000	-0.258	24.000	1.08	0.726	14.730	4.93	6119
104	OK	4.36	PROLYTE	H30V	47B1	24000.00	-0.812	24.000	3.38	-0.642	14.730	4.36	6119

## Traversenbemessung

Anzeige der maximalen Belastung pro Traversenstrecke mit Sicherheitskonzept nach EUROCODE

#	Load Stress	Max Utilization [%]	Manufacturer	Name	Handle	Length [mm]	Bending moment [kNm]	Bending resistance [kNm]	Bending Utilization [%]	Shear force [kN]	Shear resistance [kN]	Shear Utilization [%]	Height [mm]
105	OK	2.11	PROLYTE	H30V	47A3	6005.240	0.283	24.000	1.18	0.311	14.730	2.11	6119
106	OK	2.08	PROLYTE	H30V	47B2	5000.000	-0.381	24.000	1.59	-0.307	14.730	2.08	6119
107	OK	3.93	PROLYTE	H30V	47B8	13000.00	0.811	24.000	3.38	0.579	14.730	3.93	6119
108	OK	16.50	DIN EN 10220	RO48,3x2,0	6772	1500.000	0.097	0.590	16.50	0.078	14.580	0.54	6119
109	OK	16.85	DIN EN 10220	RO48,3x2,0	677A	1500.000	0.099	0.590	16.85	0.078	14.580	0.54	6119
110	OK	16.42	DIN EN 10220	RO48,3x2,0	761D	3000.000	0.097	0.590	16.42	0.078	14.580	0.54	6119
111	OK	15.78	DIN EN 10220	RO48,3x2,0	67AD	3000.000	0.093	0.590	15.78	0.079	14.580	0.54	6119
112	OK	16.15	DIN EN 10220	RO48,3x2,0	67AC	3000.000	0.095	0.590	16.15	0.079	14.580	0.54	6119
113	OK	16.46	DIN EN 10220	RO48,3x2,0	67B0	5000.000	0.097	0.590	16.46	0.078	14.580	0.54	6119
114	OK	16.27	DIN EN 10220	RO48,3x2,0	6779	1500.000	0.096	0.590	16.27	0.078	14.580	0.54	6119
115	OK	16.40	DIN EN 10220	RO48,3x2,0	6778	1500.000	0.097	0.590	16.40	0.078	14.580	0.54	6119
116	OK	2.34	DIN EN 10220	RO48,3x2,0	761F	3000.000	0.014	0.590	2.34	0.018	14.580	0.13	6119
117	OK	1.55	DIN EN 10220	RO48,3x2,0	761E	3000.000	0.009	0.590	1.55	0.015	14.580	0.10	6119
118	OK	3.62	DIN EN 10220	RO48,3x2,0	7620	5000.000	0.021	0.590	3.62	0.023	14.580	0.15	6119
119	OK	3.35	DIN EN 10220	RO48,3x2,0	67B2	5000.000	0.020	0.590	3.35	0.023	14.580	0.16	6119
120	OK	3.02	DIN EN 10220	RO48,3x2,0	67B1	5000.000	0.018	0.590	3.02	0.022	14.580	0.15	6119
121	OK	16.28	DIN EN 10220	RO48,3x2,0	6777	1500.000	0.096	0.590	16.28	0.078	14.580	0.54	6119
122	OK	15.93	DIN EN 10220	RO48,3x2,0	6776	1500.000	0.094	0.590	15.93	0.078	14.580	0.54	6119
123	OK	3.24	DIN EN 10220	RO48,3x2,0	7621	5000.000	-0.019	0.590	3.24	-0.021	14.580	0.15	6119
124	OK	3.50	DIN EN 10220	RO48,3x2,0	761B	5000.000	0.021	0.590	3.50	0.023	14.580	0.16	6119
125	OK	3.58	DIN EN 10220	RO48,3x2,0	761A	5000.000	0.021	0.590	3.58	0.023	14.580	0.16	6119
126	OK	3.67	DIN EN 10220	RO48,3x2,0	67B3	5000.000	0.022	0.590	3.67	0.023	14.580	0.16	6119
127	OK	16.40	DIN EN 10220	RO48,3x2,0	6775	1500.000	0.097	0.590	16.40	0.078	14.580	0.54	6119
128	OK	16.19	DIN EN 10220	RO48,3x2,0	6774	1500.000	0.096	0.590	16.19	0.078	14.580	0.54	6119
129	OK	16.24	DIN EN 10220	RO48,3x2,0	6773	1500.000	0.096	0.590	16.24	0.078	14.580	0.54	6119
130	OK	3.52	DIN EN 10220	RO48,3x2,0	761C	5000.000	-0.021	0.590	3.52	-0.024	14.580	0.16	6119

## Traversenbemessung

Anzeige der maximalen Belastung pro Traversenstrecke mit Sicherheitskonzept nach EUROCODE

#	Load Stress	Max Utilization [%]	Manufacturer	Name	Handle	Length [mm]	Bending moment [kNm]	Bending resistance [kNm]	Bending Utilization [%]	Shear force [kN]	Shear resistance [kN]	Shear Utilization [%]	Height [mm]
131	OK	16.06	DIN EN 10220	RO48,3x2,0	6794	1500.000	0.095	0.590	16.06	0.078	14.580	0.54	6119
132	OK	16.26	DIN EN 10220	RO48,3x2,0	6793	1500.000	0.096	0.590	16.26	0.078	14.580	0.54	6119
133	OK	16.21	DIN EN 10220	RO48,3x2,0	6792	1500.000	0.096	0.590	16.21	0.078	14.580	0.54	6119
134	OK	16.42	DIN EN 10220	RO48,3x2,0	6791	1500.000	0.097	0.590	16.42	0.078	14.580	0.54	6119
135	OK	16.32	DIN EN 10220	RO48,3x2,0	760C	1500.000	0.096	0.590	16.32	0.078	14.580	0.54	6119
136	OK	16.05	DIN EN 10220	RO48,3x2,0	6797	1500.000	0.095	0.590	16.05	0.078	14.580	0.54	6119
137	OK	16.05	DIN EN 10220	RO48,3x2,0	6796	1500.000	0.095	0.590	16.05	0.078	14.580	0.54	6119
138	OK	15.85	DIN EN 10220	RO48,3x2,0	6795	1500.000	0.094	0.590	15.85	0.078	14.580	0.54	6119
139	OK	16.42	DIN EN 10220	RO48,3x2,0	6790	1500.000	0.097	0.590	16.42	0.078	14.580	0.54	6119
140	OK	16.11	DIN EN 10220	RO48,3x2,0	678F	1500.000	0.095	0.590	16.11	0.078	14.580	0.54	6119
141	OK	16.32	DIN EN 10220	RO48,3x2,0	678E	1500.000	0.096	0.590	16.32	0.078	14.580	0.54	6119
142	OK	16.32	DIN EN 10220	RO48,3x2,0	760E	1500.000	0.096	0.590	16.32	0.078	14.580	0.54	6119
143	OK	12.06	DIN EN 10220	RO48,3x2,0	6787	1500.000	0.071	0.590	12.06	0.078	14.580	0.54	6119
144	OK	12.25	DIN EN 10220	RO48,3x2,0	6786	1500.000	0.072	0.590	12.25	0.078	14.580	0.54	6119
145	OK	12.30	DIN EN 10220	RO48,3x2,0	6785	1500.000	0.073	0.590	12.30	0.078	14.580	0.54	6119
146	OK	12.15	DIN EN 10220	RO48,3x2,0	6784	1500.000	0.072	0.590	12.15	0.078	14.580	0.54	6119
147	OK	12.43	DIN EN 10220	RO48,3x2,0	6783	1500.000	0.073	0.590	12.43	0.078	14.580	0.54	6119
148	OK	12.43	DIN EN 10220	RO48,3x2,0	677F	1500.000	0.073	0.590	12.43	0.078	14.580	0.54	6119
149	OK	12.85	DIN EN 10220	RO48,3x2,0	677E	1500.000	0.076	0.590	12.85	0.078	14.580	0.53	6119
150	OK	12.02	DIN EN 10220	RO48,3x2,0	677B	1500.000	0.071	0.590	12.02	0.078	14.580	0.54	6119
151	OK	15.51	DIN EN 10220	RO48,3x2,0	67A9	1500.000	0.092	0.590	15.51	0.078	14.580	0.53	6119
152	OK	15.78	DIN EN 10220	RO48,3x2,0	67A8	1500.000	0.093	0.590	15.78	0.078	14.580	0.53	6119
153	OK	13.32	DIN EN 10220	RO48,3x2,0	7610	1500.000	0.079	0.590	13.32	0.079	14.580	0.54	6119
154	OK	12.85	DIN EN 10220	RO48,3x2,0	677D	1500.000	0.076	0.590	12.85	0.078	14.580	0.53	6119
155	OK	13.32	DIN EN 10220	RO48,3x2,0	677C	1500.000	0.079	0.590	13.32	0.079	14.580	0.54	6119
156	OK	15.47	DIN EN 10220	RO48,3x2,0	67A7	1500.000	0.091	0.590	15.47	0.078	14.580	0.53	6119

## Traversenbemessung

Anzeige der maximalen Belastung pro Traversenstrecke mit Sicherheitskonzept nach EUROCODE

#	Load Stress	Max Utilization [%]	Manufacturer	Name	Handle	Length [mm]	Bending moment [kNm]	Bending resistance [kNm]	Bending Utilization [%]	Shear force [kN]	Shear resistance [kN]	Shear Utilization [%]	Height [mm]
157	OK	15.84	DIN EN 10220	RO48,3x2,0	67A6	1500.000	0.093	0.590	15.84	0.078	14.580	0.53	6119
158	OK	13.32	DIN EN 10220	RO48,3x2,0	7616	1500.000	0.079	0.590	13.32	0.079	14.580	0.54	6119
159	OK	13.32	DIN EN 10220	RO48,3x2,0	7614	1500.000	0.079	0.590	13.32	0.079	14.580	0.54	6119
160	OK	13.32	DIN EN 10220	RO48,3x2,0	7612	1500.000	0.079	0.590	13.32	0.079	14.580	0.54	6119
161	OK	15.42	DIN EN 10220	RO48,3x2,0	67A5	1500.000	0.091	0.590	15.42	0.078	14.580	0.54	6119
162	OK	15.63	DIN EN 10220	RO48,3x2,0	67A4	1500.000	0.092	0.590	15.63	0.078	14.580	0.53	6119
163	OK	16.09	DIN EN 10220	RO48,3x2,0	678A	1500.000	0.095	0.590	16.09	0.078	14.580	0.54	6119
164	OK	16.15	DIN EN 10220	RO48,3x2,0	6789	1500.000	0.095	0.590	16.15	0.078	14.580	0.54	6119
165	OK	15.94	DIN EN 10220	RO48,3x2,0	6788	1500.000	0.094	0.590	15.94	0.078	14.580	0.54	6119
166	OK	14.95	DIN EN 10220	RO48,3x2,0	67A3	1500.000	0.088	0.590	14.95	0.078	14.580	0.54	6119
167	OK	15.16	DIN EN 10220	RO48,3x2,0	67A2	1500.000	0.089	0.590	15.16	0.078	14.580	0.54	6119
168	OK	15.47	DIN EN 10220	RO48,3x2,0	67A1	1500.000	0.091	0.590	15.47	0.078	14.580	0.53	6119
169	OK	16.30	DIN EN 10220	RO48,3x2,0	678D	1500.000	0.096	0.590	16.30	0.078	14.580	0.54	6119
170	OK	16.30	DIN EN 10220	RO48,3x2,0	678C	1500.000	0.096	0.590	16.30	0.078	14.580	0.54	6119
171	OK	16.46	DIN EN 10220	RO48,3x2,0	678B	1500.000	0.097	0.590	16.46	0.078	14.580	0.54	6119

## Verwendete Einzellasten

Rig	Load Name	Load Category	Single Load [kN]	Quantity	Total Load [kN]
1	DoubLED	Media	0.044	65	2.860
1	L400 varywhite	Media	0.070	72	5.040
1	Backlite Fluter	Media	0.051	34	1.734
1	Par	Media	0.057	6	0.342
1	Banner	Rigging	0.055	87	4.785
1	Logo	Rigging	0.180	15	2.700
1	Paar Drehschellen	Rigging	0.030	109	3.270
1	Banner (1)	Rigging	0.063	23	1.449
1	D8+	Rigging	0.345	38	13.110
	<b>SUM</b>			<b>Σ 449</b>	<b>Σ 35.290</b>
1	TOTAL Single Load			Σ 449	Σ 35.290

## Verwendete Streckenlasten

Rig	Line Load Name	Line Load Category	Length [m]	Self Weight [kN/m]	Total load [kN]
<b>Eigengewicht</b>					
1	DIN EN 10220 RO48,3x2,0	Rigging	135.00	0.008	1.080
1	PROLYTE H30V	Rigging	563.93	0.063	35.527
<b>Individuelle Streckenlast</b>					
1	PROLYTE H30V	Rigging	546.37	0.010	5.464
<b>SUM</b>			<b>Σ 1245.30</b>		<b>Σ 42.071</b>
<b>1</b>	<b>TOTAL</b>		<b>Σ 1245.29</b>		<b>Σ 42.071</b>

## Verwendete Faktoren

Automatische Faktoren	
Streckenlast für Rigginglasten [kN/m]	0.00
Streckenlast-Faktor für Medienlasten	0.00

mit Sicherheitskonzept nach EUROCODE	
Medientechnik	1.50
Rigging	1.35

Faktoren für Punktlasten	
Statisch	1.00
Dynamisch	1.20

Globale Lastunsicherheitsfaktoren	
Licht	1.00
Audio	1.00
Video	1.00
Einzelgewichte	1.00
Hängepunkte	1.00
Motoren	1.00
Traversen	1.00

Globale Streckenlasten [kg/m]	
Licht	0.00
Audio	0.00
Video	0.00
Rigging	0.00

Sonstige Faktoren	
Maßstab der Zeichnung	mm
Erdbeschleunigung g [m/s <sup>2</sup> ]	10.00

## Verwendete Materialien

#	Name	Material Type	Elastic Modulus [N/mm <sup>2</sup> ]	Poisson Ratio [-]	Shear Modulus [N/mm <sup>2</sup> ]	Specific Weight [N/mm <sup>3</sup> ]	Tensile Strength [N/mm <sup>2</sup> ]	Tensile Strength Haz [N/mm <sup>2</sup> ]	Tensile Yield [N/mm <sup>2</sup> ]	Tensile Yield Haz [N/mm <sup>2</sup> ]
1	EN-AW 6082 T6	AluminumAlloy	70000	0,296	27000	2,7E-05	290	185	250	125
2	EN-AW 6060 T66	AluminumAlloy	70000	0,296	27000	2,7E-05	195	110	150	65

## Verwendete Traversen-Typen

#	Manufacturer	Name	Width [mm]	Height [mm]	Min Length [mm]	Self Weight [kg/m]	Truss Type	Main Chord Diameter [mm]	Main Chord Wall Thickness [mm]	Diagonals Diameter [mm]	Diagonals Wall Thickness [mm]	Cross Section Area [mm <sup>2</sup> ]	Material
1	PROLYTE	H30V	287	287	250	6.30	FourPoint	48,3	3	16	2	1707,9999	EN-AW 6082

## Verwendete Pipe-Typen

#	Type	Name	Width [mm]	Height [mm]	Min Length [mm]	Self Weight [kg/m]	Pipe Type	Wall Thickness [mm]	Cross Section Area [mm <sup>2</sup> ]	Material
1	DIN EN 10220	R048,3x2,0	48,3	48,3	0	0.80	Round	2	291	EN-AW 6060 T66

## Verwendete Vergleichsstäbe

Truss	Handle	Name	Dead Weight per Meter [kg/m]	Length [m]	Dead Weight [kg]	Uncertainty Factor	Factored Weight [kg]	Height Dwg [mm]	Height Model [mm]	Corner @Start	Corner @End	Has Line Load	Start X,Y
1	47A3	Prolyte Structures H3	6.30	6.01	37.83	1.00	37.83	6287	6406	None	None	Yes	40762.582,10
2	47A5	Prolyte Structures H3	6.30	4.00	25.20	1.00	25.20	6287	6406	None	None	Yes	33907.056,27
3	47A7	Prolyte Structures H3	6.30	4.00	25.20	1.00	25.20	6287	6406	None	None	Yes	33922.308,13
4	47B1	Prolyte Structures H3	6.30	24.00	151.20	1.00	151.20	6287	6406	None	None	Yes	57254.375,15
5	47B2	Prolyte Structures H3	6.30	5.00	31.50	1.00	31.50	6287	6406	None	None	Yes	50164.466,10
6	47B8	Prolyte Structures H3	6.30	13.00	81.90	1.00	81.90	6287	6406	None	None	Yes	44271.108,27
7	47BA	Prolyte Structures H3	6.30	9.00	56.70	1.00	56.70	6287	6406	None	None	Yes	16332.544,53
8	47BB	Prolyte Structures H3	6.30	5.00	31.50	1.00	31.50	6287	6406	None	None	Yes	11258.853,72
9	47BC	Prolyte Structures H3	6.30	5.00	31.50	1.00	31.50	6287	6406	None	None	Yes	9054.545,723
10	47BD	Prolyte Structures H3	6.30	5.00	31.50	1.00	31.50	6287	6406	None	None	Yes	6601.435,516
11	47BE	Prolyte Structures H3	6.30	5.00	31.50	1.00	31.50	6287	6406	None	None	Yes	4246.872,516
12	47BF	Prolyte Structures H3	6.30	5.00	31.50	1.00	31.50	6287	6406	None	None	Yes	3176.265,516
13	47C5	Prolyte Structures H3	6.30	8.00	50.40	1.00	50.40	6287	6406	None	None	Yes	35110.978,33
14	47C6	Prolyte Structures H3	6.30	6.00	37.80	1.00	37.80	6287	6406	None	None	Yes	32732.371,10
15	4824	Prolyte Structures H3	6.30	7.00	44.10	1.00	44.10	6287	6406	None	None	Yes	15893.038,67
16	4829	Prolyte Structures H3	6.30	4.50	28.35	1.00	28.35	6287	6406	None	None	Yes	3663.010,981
17	482A	Prolyte Structures H3	6.30	4.50	28.35	1.00	28.35	6287	6406	None	None	Yes	5316.271,981
18	482C	Prolyte Structures H3	6.30	4.50	28.35	1.00	28.35	6287	6406	None	None	Yes	8277.175,981
19	6772	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6289	6289	None	None	Yes	1271.731,168
20	6773	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	1288.503,162
21	6774	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	1288.503,296
22	6775	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	1288.503,496
23	6776	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	1288.503,697
24	6777	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	1293.842,898
25	6778	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	1286.226,109
26	6779	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	1296.380,129
27	677A	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	1288.503,149
28	677B	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	34174.804,12

## Verwendete Vergleichsstäbe

Truss	Handle	Name	Dead Weight per Meter [kg/m]	Length [m]	Dead Weight [kg]	Uncertainty Factor	Factored Weight [kg]	Height Dwg [mm]	Height Model [mm]	Corner @Start	Corner @End	Has Line Load	Start X,Y
29	677C	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	38964.135,12
30	677D	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	37756.375,12
31	677E	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	36592.375,12
32	677F	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	35370.638,12
33	6783	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	30078.949,12
34	6784	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	28864.032,12
35	6785	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	27676.144,12
36	6786	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	26467.095,12
37	6787	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	25254.771,12
38	6788	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	46282.529,12
39	6789	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	48287.795,12
40	678A	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	50316.518,12
41	678B	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	52319.202,12
42	678C	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	54300.984,12
43	678D	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	56291.899,12
44	678E	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	19612.939,12
45	678F	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	18010.343,12
46	6790	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	16007.949,12
47	6791	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	14014.031,12
48	6792	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	12003.002,12
49	6793	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	10034.711,12
50	6794	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	8015.258,128
51	6795	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	6011.356,128
52	6796	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	4017.359,128
53	6797	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	2015.713,128
54	67A1	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	57019.278,14
55	67A2	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	57020.252,28
56	67A3	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	57019.278,48

## Verwendete Vergleichsstäbe

Truss	Handle	Name	Dead Weight per Meter [kg/m]	Length [m]	Dead Weight [kg]	Uncertainty Factor	Factored Weight [kg]	Height Dwg [mm]	Height Model [mm]	Corner @Start	Corner @End	Has Line Load	Start X,Y
57	67A4	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	57019.278,68
58	67A5	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	57020.252,88
59	67A6	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	57020.252,10
60	67A7	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	57019.278,12
61	67A8	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	57019.278,14
62	67A9	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6289	6289	None	None	Yes	57010.068,16
63	67AC	Alupipe Alupipe t2.6	0.80	3.00	2.40	1.00	2.40	6287	6287	None	None	Yes	15260.735,14
64	67AD	Alupipe Alupipe t2.6	0.80	3.00	2.40	1.00	2.40	6287	6287	None	None	Yes	17766.706,14
65	67B0	Alupipe Alupipe t2.6	0.80	5.00	4.00	1.00	4.00	6287	6287	None	None	Yes	10590.708,97
66	67B1	Alupipe Alupipe t2.6	0.80	5.00	4.00	1.00	4.00	6287	6287	None	None	Yes	12265.758,10
67	67B2	Alupipe Alupipe t2.6	0.80	5.00	4.00	1.00	4.00	6287	6287	None	None	Yes	13002.070,10
68	67B3	Alupipe Alupipe t2.6	0.80	5.00	4.00	1.00	4.00	6287	6287	None	None	Yes	19998.904,10
69	760C	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6289	6289	None	None	Yes	21215.535,12
70	760E	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	22818.131,12
71	7610	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	40171.895,12
72	7612	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	41379.655,12
73	7614	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	42587.415,12
74	7616	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	43795.174,12
75	761A	Alupipe Alupipe t2.6	0.80	5.00	4.00	1.00	4.00	6287	6287	None	None	Yes	18747.357,10
76	761B	Alupipe Alupipe t2.6	0.80	5.00	4.00	1.00	4.00	6287	6287	None	None	Yes	17089.058,10
77	761C	Alupipe Alupipe t2.6	0.80	5.00	4.00	1.00	4.00	6287	6287	None	None	Yes	25740.373,10
78	761D	Alupipe Alupipe t2.6	0.80	3.00	2.40	1.00	2.40	6287	6287	None	None	Yes	19307.797,14
79	761E	Alupipe Alupipe t2.6	0.80	3.00	2.40	1.00	2.40	6287	6287	None	None	Yes	22342.803,14
80	761F	Alupipe Alupipe t2.6	0.80	3.00	2.40	1.00	2.40	6287	6287	None	None	Yes	27076.155,14
81	7620	Alupipe Alupipe t2.6	0.80	5.00	4.00	1.00	4.00	6287	6287	None	None	Yes	20449.909,96
82	7621	Alupipe Alupipe t2.6	0.80	5.00	4.00	1.00	4.00	6287	6287	None	None	Yes	26431.326,96
83	42F0	Prolyte Structures H3	6.30	6.15	38.74	1.00	38.74	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,169
84	4429	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	14312.500,16

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Truss	Handle	Name	Dead Weight per Meter [kg/m]	Length [m]	Dead Weight [kg]	Uncertainty Factor	Factored Weight [kg]	Height Dwg [mm]	Height Model [mm]	Corner @Start	Corner @End	Has Line Load	Start X,Y
85	442E	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	21331.500,16
86	4489	Prolyte Structures H3	6.30	9.23	58.14	1.00	58.14	6000	6119	BoxCorner	BoxCorner	Yes	30560.500,16
87	4563	Prolyte Structures H3	6.30	6.15	38.74	1.00	38.74	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,141
88	448C	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	7293.500,141
89	4573	Prolyte Structures H3	6.30	6.15	38.74	1.00	38.74	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,100
90	448F	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	7293.500,100
91	4583	Prolyte Structures H3	6.30	6.15	38.74	1.00	38.74	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,558
92	4492	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	7293.500,558
93	4495	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	7293.500,114
94	4593	Prolyte Structures H3	6.30	6.15	38.74	1.00	38.74	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,114
95	4569	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	14312.500,14
96	44A4	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	14312.500,14
97	4579	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	14312.500,10
98	44A7	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	14312.500,10
99	4589	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	14312.500,55
100	44AA	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	14312.500,55
101	44AD	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	14312.500,11
102	4599	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	14312.500,11
103	456D	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	21331.500,14
104	44B0	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	21331.500,14
105	457D	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	21331.500,10
106	44B3	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	21331.500,10
107	458D	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	21331.500,55
108	44B6	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	21331.500,55
109	44B9	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	21331.500,11
110	459D	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	21331.500,11
111	4498	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,141
112	449B	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,100

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Truss	Handle	Name	Dead Weight per Meter [kg/m]	Length [m]	Dead Weight [kg]	Uncertainty Factor	Factored Weight [kg]	Height Dwg [mm]	Height Model [mm]	Corner @Start	Corner @End	Has Line Load	Start X,Y
113	449E	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,558
114	44A1	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,114
115	4558	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	30560.500,14
116	4572	Prolyte Structures H3	6.30	9.23	58.14	1.00	58.14	6000	6119	BoxCorner	BoxCorner	Yes	30560.500,14
117	455A	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	30560.500,10
118	4582	Prolyte Structures H3	6.30	9.23	58.14	1.00	58.14	6000	6119	BoxCorner	BoxCorner	Yes	30560.500,10
119	455C	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	30560.500,55
120	4592	Prolyte Structures H3	6.30	9.23	58.14	1.00	58.14	6000	6119	BoxCorner	BoxCorner	Yes	30560.500,55
121	455E	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	30560.500,11
122	45A2	Prolyte Structures H3	6.30	9.23	58.14	1.00	58.14	6000	6119	BoxCorner	BoxCorner	Yes	30560.500,11
123	45A6	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	33397.372,14
124	45A8	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	33397.372,10
125	45AA	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	33397.372,55
126	45AC	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	33397.372,11
127	45B6	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	37416.372,16
128	45C5	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	37416.372,14
129	45B9	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	37416.372,14
130	45C7	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	37416.372,10
131	45BC	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	37416.372,10
132	45C9	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	37416.372,55
133	45BF	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	37416.372,55
134	45C2	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	37416.372,11
135	45CB	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	37416.372,11
136	45D6	Prolyte Structures H3	6.30	3.02	19.02	1.00	19.02	6000	6119	BoxCorner	BoxCorner	Yes	40435.372,16
137	45D7	Prolyte Structures H3	6.30	3.02	19.02	1.00	19.02	6000	6119	BoxCorner	BoxCorner	Yes	40435.372,14
138	45DE	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	40435.372,14
139	45D8	Prolyte Structures H3	6.30	3.02	19.02	1.00	19.02	6000	6119	BoxCorner	BoxCorner	Yes	40435.372,10
140	45E1	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	40435.372,10

## Verwendete Vergleichsstäbe

Truss	Handle	Name	Dead Weight per Meter [kg/m]	Length [m]	Dead Weight [kg]	Uncertainty Factor	Factored Weight [kg]	Height Dwg [mm]	Height Model [mm]	Corner @Start	Corner @End	Has Line Load	Start X,Y
141	45D9	Prolyte Structures H3	6.30	3.02	19.02	1.00	19.02	6000	6119	BoxCorner	BoxCorner	Yes	40435.372,55
142	45E4	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	40435.372,55
143	45E7	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	40435.372,11
144	45DA	Prolyte Structures H3	6.30	3.02	19.02	1.00	19.02	6000	6119	BoxCorner	BoxCorner	Yes	40435.372,11
145	45EE	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	44454.372,16
146	45FD	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	44454.372,14
147	45F1	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	44454.372,14
148	45FF	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	44454.372,10
149	45F4	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	44454.372,10
150	4601	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	44454.372,55
151	45F7	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	44454.372,55
152	45FA	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	44454.372,11
153	4603	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	44454.372,11
154	4618	Prolyte Structures H3	6.30	7.31	46.05	1.00	46.05	6000	6119	BoxCorner	BoxCorner	Yes	51763.372,16
155	4619	Prolyte Structures H3	6.30	7.31	46.05	1.00	46.05	6000	6119	BoxCorner	BoxCorner	Yes	51763.372,14
156	4621	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	51763.372,14
157	461A	Prolyte Structures H3	6.30	7.31	46.05	1.00	46.05	6000	6119	BoxCorner	BoxCorner	Yes	51763.372,10
158	4624	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	51763.372,10
159	461B	Prolyte Structures H3	6.30	7.31	46.05	1.00	46.05	6000	6119	BoxCorner	BoxCorner	Yes	51763.372,55
160	4627	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	51763.372,55
161	462A	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	51763.372,11
162	461C	Prolyte Structures H3	6.30	7.31	46.05	1.00	46.05	6000	6119	BoxCorner	BoxCorner	Yes	51763.372,11
163	4635	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	57202.372,16
164	462D	Prolyte Structures H3	6.30	5.44	34.27	1.00	34.27	6000	6119	BoxCorner	BoxCorner	Yes	57202.372,14
165	4638	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	57202.372,10
166	462F	Prolyte Structures H3	6.30	5.44	34.27	1.00	34.27	6000	6119	BoxCorner	BoxCorner	Yes	57202.372,10
167	463A	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	57202.372,55
168	4631	Prolyte Structures H3	6.30	5.44	34.27	1.00	34.27	6000	6119	BoxCorner	BoxCorner	Yes	57202.372,55

## Verwendete Vergleichsstäbe

Truss	Handle	Name	Dead Weight per Meter [kg/m]	Length [m]	Dead Weight [kg]	Uncertainty Factor	Factored Weight [kg]	Height Dwg [mm]	Height Model [mm]	Corner @Start	Corner @End	Has Line Load	Start X,Y
169	463C	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	57202.372,11
170	4633	Prolyte Structures H3	6.30	5.44	34.27	1.00	34.27	6000	6119	BoxCorner	BoxCorner	Yes	57202.372,11
171	461F	Prolyte Structures H3	6.30	5.44	34.27	1.00	34.27	6000	6119	BoxCorner	BoxCorner	Yes	57202.372,16
<b>171</b>		<b>TOTAL</b>		<b>Σ 698.93</b>	<b>Σ 3660.74</b>		<b>Σ 3660.74</b>						