



Punktlasten + Lastermittlung

Statische Berechnung zur Ermittlung der
Hängepunktlasten

planer

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+	-1.854	37.08	-2.225	44.50	5.000	6
1	51FC	51FC	OK	OK	D8+	-0.680	13.60	-0.816	16.32	5.000	6
1	5205	5205	OK	OK	D8+	-1.675	33.50	-2.010	40.20	5.000	6
1	51FA	51FA	OK	OK	D8+	-2.334	46.68	-2.801	56.02	5.000	6
1	51F9	51F9	OK	OK	D8+	-2.454	49.09	-2.945	58.91	5.000	6
1	51F8	51F8	OK	OK	D8+	-2.566	51.31	-3.079	61.58	5.000	6
1	51F6	51F6	OK	OK	D8+	-1.384	27.68	-1.661	33.22	5.000	6
1	51F7	51F7	OK	OK	D8+	-2.387	47.74	-2.864	57.29	5.000	6
1	51FD	51FD	OK	OK	D8+	-0.411	8.22	-0.493	9.86	5.000	6
1	51FE	51FE	OK	HOCH	D8+	-3.416	68.32	-4.099	81.99	5.000	6
1	5200	5200	OK	OK	D8+	-2.732	54.63	-3.278	65.56	5.000	6
1	5203	5203	OK	OK	D8+	-2.648	52.97	-3.178	63.56	5.000	6
1	5201	5201	OK	OK	D8+	-2.955	59.10	-3.546	70.92	5.000	6
1	51F5	51F5	OK	HOCH	D8+	-3.571	71.41	-4.285	85.70	5.000	6
1	5206	5206	OK	OK	D8+	-0.951	19.02	-1.141	22.83	5.000	6
1	5204	5204	OK	OK	D8+	-1.397	27.94	-1.676	33.53	5.000	6
1	5209	5209	OK	OK	D8+	-1.717	34.33	-2.060	41.20	5.000	6
1	5202	5202	OK	OK	D8+	-1.604	32.09	-1.925	38.51	5.000	6
1	520A	520A	OK	OK	D8+	-1.972	39.44	-2.366	47.33	5.000	6
SUM Σ						-38.708	x 1.20 =	-46.450			

Auflagerlasten	6.555
Einzellasten	10.974
Preriglasten	0.000
Streckenlasten	21.179
SUM Σ	38.708

DELTA Δ	0.000
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Punktlasten mit Lastanteilen nach Gewerken

Rig	Handle	Number	Support	Static Force [kN]	Light [%]	Audio [%]	Video [%]	Media Access ories [%]	Truss [%]	Rigging [%]	Motor [%]	Point [%]	Rig Access ories [%]	SUM [%]
1	51FB	51FB	D8+	-1.854	10.14	0.00	0.00	0.00	51.27	12.54	18.61	0.00	0.00	92.55
1	51FC	51FC	D8+	-0.680	9.48	0.00	0.00	0.00	43.32	-9.93	50.74	0.00	0.00	93.61
1	5205	5205	D8+	-1.675	9.00	0.00	0.00	0.00	53.79	8.84	20.60	0.00	0.00	92.22
1	51FA	51FA	D8+	-2.334	20.15	0.00	0.00	0.00	49.88	7.70	14.78	0.00	0.00	92.51
1	51F9	51F9	D8+	-2.454	15.21	0.00	0.00	0.00	55.67	6.57	14.06	0.00	0.00	91.51
1	51F8	51F8	D8+	-2.566	13.94	0.00	0.00	0.00	57.18	6.62	13.45	0.00	0.00	91.19
1	51F6	51F6	D8+	-1.384	20.95	0.00	0.00	0.00	25.25	25.32	24.93	0.00	0.00	96.45
1	51F7	51F7	D8+	-2.387	18.66	0.00	0.00	0.00	36.35	25.25	14.45	0.00	0.00	94.72
1	51FD	51FD	D8+	-0.411	-2.73	0.00	0.00	0.00	53.25	-42.07	83.96	0.00	0.00	92.41
1	51FE	51FE	D8+	-3.416	7.23	0.00	0.00	0.00	60.37	13.53	10.10	0.00	0.00	91.23
1	5200	5200	D8+	-2.732	14.34	0.00	0.00	0.00	45.82	20.38	12.63	0.00	0.00	93.17
1	5203	5203	D8+	-2.648	6.20	0.00	0.00	0.00	62.12	9.72	13.03	0.00	0.00	91.06
1	5201	5201	D8+	-2.955	18.01	0.00	0.00	0.00	30.18	35.89	11.68	0.00	0.00	95.76
1	51F5	51F5	D8+	-3.571	17.70	0.00	0.00	0.00	42.66	23.68	9.66	0.00	0.00	93.71
1	5206	5206	D8+	-0.951	2.67	0.00	0.00	0.00	50.65	2.63	36.27	0.00	0.00	92.22
1	5204	5204	D8+	-1.397	19.29	0.00	0.00	0.00	45.72	3.66	24.70	0.00	0.00	93.37
1	5209	5209	D8+	-1.717	11.17	0.00	0.00	0.00	58.98	0.82	20.10	0.00	0.00	91.06
1	5202	5202	D8+	-1.604	14.87	0.00	0.00	0.00	50.75	5.15	21.50	0.00	0.00	92.27
1	520A	520A	D8+	-1.972	12.84	0.00	0.00	0.00	28.05	37.54	17.49	0.00	0.00	95.92

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	24.03	PROLYTE	H30V	42F0	6149.000	4.714	24.000	19.64	3.539	14.730	24.03	6119
2	OK	14.44	PROLYTE	H30V	4429	7019.000	3.466	24.000	14.44	1.967	14.730	13.36	6119
3	OK	16.42	PROLYTE	H30V	448C	2729.000	3.474	24.000	14.47	2.419	14.730	16.42	6119
4	OK	3.58	PROLYTE	H30V	4498	2729.000	0.860	24.000	3.58	0.459	14.730	3.11	6119
5	OK	6.30	PROLYTE	H30V	442E	7019.000	1.314	24.000	5.48	0.928	14.730	6.30	6119
6	OK	1.87	PROLYTE	H30V	44A4	2729.000	-0.432	24.000	1.80	-0.276	14.730	1.87	6119
7	OK	11.88	PROLYTE	H30V	4563	6149.000	-2.850	24.000	11.88	1.493	14.730	10.13	6119
8	OK	2.31	PROLYTE	H30V	448F	4149.000	0.259	24.000	1.08	0.340	14.730	2.31	6119
9	OK	10.22	PROLYTE	H30V	4569	7019.000	2.453	24.000	10.22	1.078	14.730	7.32	6119
10	OK	19.64	PROLYTE	H30V	449B	4149.000	4.714	24.000	19.64	-2.882	14.730	19.57	6119
11	OK	4.27	PROLYTE	H30V	4489	9229.000	1.024	24.000	4.27	0.620	14.730	4.21	6119
12	OK	3.17	PROLYTE	H30V	456D	7019.000	0.606	24.000	2.53	-0.467	14.730	3.17	6119
13	OK	1.79	PROLYTE	H30V	44B0	2729.000	-0.396	24.000	1.65	-0.264	14.730	1.79	6119
14	OK	10.52	PROLYTE	H30V	44A7	4149.000	2.524	24.000	10.52	0.945	14.730	6.42	6119
15	OK	10.94	PROLYTE	H30V	4573	6149.000	1.769	24.000	7.37	-1.611	14.730	10.94	6119
16	OK	1.63	PROLYTE	H30V	4492	4439.000	-0.262	24.000	1.09	-0.240	14.730	1.63	6119
17	OK	24.03	PROLYTE	H30V	4579	7019.000	-1.458	24.000	6.07	3.539	14.730	24.03	6119
18	OK	19.13	PROLYTE	H30V	449E	4439.000	-4.592	24.000	19.13	-1.833	14.730	12.44	6119
19	OK	2.74	PROLYTE	H30V	4558	2729.000	-0.650	24.000	2.71	-0.404	14.730	2.74	6119
20	OK	5.66	PROLYTE	H30V	4572	9229.000	1.192	24.000	4.97	0.834	14.730	5.66	6119
21	OK	13.36	PROLYTE	H30V	457D	7019.000	1.900	24.000	7.92	1.967	14.730	13.36	6119
22	OK	4.37	PROLYTE	H30V	44B3	4149.000	1.049	24.000	4.37	0.572	14.730	3.88	6119
23	OK	8.86	PROLYTE	H30V	458D	7019.000	1.163	24.000	4.85	1.305	14.730	8.86	6119
24	OK	13.50	PROLYTE	H30V	44AA	4439.000	-3.241	24.000	13.50	-1.582	14.730	10.74	6119
25	OK	10.80	PROLYTE	H30V	4583	6149.000	2.311	24.000	9.63	1.591	14.730	10.80	6119
26	OK	2.33	PROLYTE	H30V	4495	4439.000	-0.208	24.000	0.87	0.343	14.730	2.33	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	7.90	PROLYTE	H30V	4589	7019.000	1.895	24.000	7.90	1.086	14.730	7.37	6119
28	OK	5.78	PROLYTE	H30V	44A1	4439.000	1.298	24.000	5.41	0.852	14.730	5.78	6119
29	OK	8.40	PROLYTE	H30V	455A	4149.000	-1.167	24.000	4.86	-1.237	14.730	8.40	6119
30	OK	5.36	PROLYTE	H30V	4582	9229.000	1.287	24.000	5.36	0.688	14.730	4.67	6119
31	OK	4.38	PROLYTE	H30V	44B6	4439.000	-1.027	24.000	4.28	-0.645	14.730	4.38	6119
32	OK	13.05	PROLYTE	H30V	44AD	4439.000	3.133	24.000	13.05	0.929	14.730	6.31	6119
33	OK	11.37	PROLYTE	H30V	4599	7019.000	-1.503	24.000	6.26	-1.675	14.730	11.37	6119
34	OK	3.02	PROLYTE	H30V	44B9	4439.000	0.668	24.000	2.78	0.444	14.730	3.02	6119
35	OK	7.97	PROLYTE	H30V	4592	9229.000	-1.912	24.000	7.97	0.945	14.730	6.42	6119
36	OK	12.24	PROLYTE	H30V	4593	6149.000	-1.739	24.000	7.24	1.803	14.730	12.24	6119
37	OK	4.80	PROLYTE	H30V	455C	4439.000	-1.147	24.000	4.78	-0.707	14.730	4.80	6119
38	OK	16.42	PROLYTE	H30V	459D	7019.000	3.160	24.000	13.16	2.419	14.730	16.42	6119
39	OK	14.47	PROLYTE	H30V	45A2	9229.000	3.474	24.000	14.47	1.849	14.730	12.56	6119
40	OK	3.58	PROLYTE	H30V	455E	4439.000	0.860	24.000	3.58	0.459	14.730	3.11	6119
41	OK	2.36	PROLYTE	H30V	482A	4500.000	0.391	24.000	1.63	0.348	14.730	2.36	6119
42	OK	3.29	PROLYTE	H30V	4829	4500.000	0.516	24.000	2.15	0.485	14.730	3.29	6119
43	OK	2.23	PROLYTE	H30V	482C	4500.000	0.261	24.000	1.09	-0.328	14.730	2.23	6119
44	OK	5.49	PROLYTE	H30V	47BA	9000.000	1.318	24.000	5.49	-0.615	14.730	4.18	6119
45	OK	2.32	PROLYTE	H30V	47BF	5000.000	-0.363	24.000	1.51	-0.342	14.730	2.32	6119
46	OK	2.19	PROLYTE	H30V	47BE	5000.000	-0.273	24.000	1.14	-0.323	14.730	2.19	6119
47	OK	1.41	PROLYTE	H30V	47BD	5000.000	0.194	24.000	0.81	-0.208	14.730	1.41	6119
48	OK	4.93	PROLYTE	H30V	4824	7000.000	0.803	24.000	3.34	0.726	14.730	4.93	6119
49	OK	2.43	PROLYTE	H30V	47BC	5000.000	0.321	24.000	1.34	0.357	14.730	2.43	6119
50	OK	2.36	PROLYTE	H30V	47BB	5000.000	0.391	24.000	1.63	0.348	14.730	2.36	6119
51	OK	16.50	DIN EN 10220	RO48,3x2,0	6772	1500.000	0.097	0.590	16.50	0.079	14.580	0.54	6119
52	OK	16.85	DIN EN 10220	RO48,3x2,0	677A	1500.000	0.099	0.590	16.85	0.079	14.580	0.54	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	16.42	DIN EN 10220	RO48,3x2,0	761D	3000.000	0.097	0.590	16.42	0.080	14.580	0.55	6119
54	OK	12.43	DIN EN 10220	RO48,3x2,0	67AD	3000.000	0.073	0.590	12.43	0.079	14.580	0.54	6119
55	OK	1.19	DIN EN 10220	RO48,3x2,0	67AC	3000.000	0.007	0.590	1.19	-0.054	14.580	0.37	6119
56	OK	3.40	DIN EN 10220	RO48,3x2,0	67B0	5000.000	0.020	0.590	3.40	0.064	14.580	0.44	6119
57	OK	16.27	DIN EN 10220	RO48,3x2,0	6779	1500.000	0.096	0.590	16.27	0.079	14.580	0.54	6119
58	OK	16.40	DIN EN 10220	RO48,3x2,0	6778	1500.000	0.097	0.590	16.40	0.079	14.580	0.54	6119
59	OK	2.22	DIN EN 10220	RO48,3x2,0	761F	3000.000	0.013	0.590	2.22	-0.042	14.580	0.29	6119
60	OK	1.61	DIN EN 10220	RO48,3x2,0	761E	3000.000	0.010	0.590	1.61	0.016	14.580	0.11	6119
61	OK	3.65	DIN EN 10220	RO48,3x2,0	7620	5000.000	0.022	0.590	3.65	0.023	14.580	0.16	6119
62	OK	4.67	DIN EN 10220	RO48,3x2,0	67B2	5000.000	0.028	0.590	4.67	0.070	14.580	0.48	6119
63	OK	4.64	DIN EN 10220	RO48,3x2,0	67B1	5000.000	0.027	0.590	4.64	0.028	14.580	0.19	6119
64	OK	16.28	DIN EN 10220	RO48,3x2,0	6777	1500.000	0.096	0.590	16.28	0.079	14.580	0.54	6119
65	OK	15.93	DIN EN 10220	RO48,3x2,0	6776	1500.000	0.094	0.590	15.93	0.079	14.580	0.54	6119
66	OK	3.15	DIN EN 10220	RO48,3x2,0	7621	5000.000	-0.019	0.590	3.15	-0.045	14.580	0.31	6119
67	OK	3.53	DIN EN 10220	RO48,3x2,0	761B	5000.000	0.021	0.590	3.53	0.042	14.580	0.29	6119
68	OK	3.60	DIN EN 10220	RO48,3x2,0	761A	5000.000	0.021	0.590	3.60	-0.045	14.580	0.31	6119
69	OK	3.70	DIN EN 10220	RO48,3x2,0	67B3	5000.000	0.022	0.590	3.70	0.042	14.580	0.29	6119
70	OK	16.40	DIN EN 10220	RO48,3x2,0	6775	1500.000	0.097	0.590	16.40	0.079	14.580	0.54	6119
71	OK	16.19	DIN EN 10220	RO48,3x2,0	6774	1500.000	0.096	0.590	16.19	0.079	14.580	0.54	6119
72	OK	16.24	DIN EN 10220	RO48,3x2,0	6773	1500.000	0.096	0.590	16.24	0.079	14.580	0.54	6119
73	OK	3.66	DIN EN 10220	RO48,3x2,0	761C	5000.000	-0.022	0.590	3.66	-0.025	14.580	0.17	6119
74	OK	16.06	DIN EN 10220	RO48,3x2,0	6794	1500.000	0.095	0.590	16.06	0.079	14.580	0.54	6119
75	OK	16.26	DIN EN 10220	RO48,3x2,0	6793	1500.000	0.096	0.590	16.26	0.079	14.580	0.54	6119
76	OK	16.21	DIN EN 10220	RO48,3x2,0	6792	1500.000	0.096	0.590	16.21	0.079	14.580	0.54	6119
77	OK	16.42	DIN EN 10220	RO48,3x2,0	6791	1500.000	0.097	0.590	16.42	0.079	14.580	0.54	6119
78	OK	16.32	DIN EN 10220	RO48,3x2,0	760C	1500.000	0.096	0.590	16.32	0.079	14.580	0.54	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	16.05	DIN EN 10220	RO48,3x2,0	6797	1500.000	0.095	0.590	16.05	0.079	14.580	0.54	6119
80	OK	16.05	DIN EN 10220	RO48,3x2,0	6796	1500.000	0.095	0.590	16.05	0.079	14.580	0.54	6119
81	OK	15.85	DIN EN 10220	RO48,3x2,0	6795	1500.000	0.094	0.590	15.85	0.079	14.580	0.54	6119
82	OK	16.42	DIN EN 10220	RO48,3x2,0	6790	1500.000	0.097	0.590	16.42	0.079	14.580	0.54	6119
83	OK	16.11	DIN EN 10220	RO48,3x2,0	678F	1500.000	0.095	0.590	16.11	0.079	14.580	0.54	6119
84	OK	16.32	DIN EN 10220	RO48,3x2,0	678E	1500.000	0.096	0.590	16.32	0.079	14.580	0.54	6119
85	OK	16.32	DIN EN 10220	RO48,3x2,0	760E	1500.000	0.096	0.590	16.32	0.079	14.580	0.54	6119
86	OK	12.06	DIN EN 10220	RO48,3x2,0	6787	1500.000	0.071	0.590	12.06	0.079	14.580	0.54	6119
87	OK	12.25	DIN EN 10220	RO48,3x2,0	6786	1500.000	0.072	0.590	12.25	0.079	14.580	0.54	6119
88	OK	12.30	DIN EN 10220	RO48,3x2,0	6785	1500.000	0.073	0.590	12.30	0.080	14.580	0.55	6119
89	OK	12.15	DIN EN 10220	RO48,3x2,0	6784	1500.000	0.072	0.590	12.15	0.079	14.580	0.54	6119
90	OK	12.43	DIN EN 10220	RO48,3x2,0	6783	1500.000	0.073	0.590	12.43	0.079	14.580	0.54	6119

Verwendete Einzellasten

Rig	Load Name	Load Category	Single Load [kN]	Quantity	Total Load [kN]
1	L400 varywhite	Media	0.070	39	2.730
1	DoubLED	Media	0.044	30	1.320
1	Backlite Fluter	Media	0.051	24	1.224
1	Banner	Rigging	0.055	42	2.310
1	Paar Drehschellen	Rigging	0.030	71	2.130
1	Logo	Rigging	0.180	7	1.260
1	D8+	Rigging	0.345	19	6.555
	SUM			Σ 232	Σ 17.529
1	TOTAL Single Load			Σ 232	Σ 17.529

Verwendete Streckenlasten

Rig	Line Load Name	Line Load Category	Length [m]	Self Weight [kN/m]	Total load [kN]
Eigengewicht					
1	DIN EN 10220 R048,3x2,0	Rigging	99.00	0.008	0.792
1	PROLYTE H30V	Rigging	280.36	0.063	17.663
Individuelle Streckenlast					
1	PROLYTE H30V	Rigging	272.46	0.010	2.725
SUM			Σ 651.82		Σ 21.180
1	TOTAL		Σ 651.82		Σ 21.179

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 ²]	10.00

Verwendete Materialien

#	Name	Material Type	Elastic Modulus [N/mm ²]	Poisson Ratio [-]	Shear Modulus [N/mm ²]	Specific Weight [N/mm ³]	Tensile Strength [N/mm ²]	Tensile Strength Haz [N/mm ²]	Tensile Yield [N/mm ²]	Tensile Yield Haz [N/mm ²]
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 ²]	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 ²]	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	47BA	Prolyte Structures H3	6.30	9.00	56.70	1.00	56.70	6287	6406	None	None	Yes	16332.544,53
2	47BB	Prolyte Structures H3	6.30	5.00	31.50	1.00	31.50	6287	6406	None	None	Yes	11258.853,72
3	47BC	Prolyte Structures H3	6.30	5.00	31.50	1.00	31.50	6287	6406	None	None	Yes	9054.545,723
4	47BD	Prolyte Structures H3	6.30	5.00	31.50	1.00	31.50	6287	6406	None	None	Yes	6601.435,516
5	47BE	Prolyte Structures H3	6.30	5.00	31.50	1.00	31.50	6287	6406	None	None	Yes	4246.872,516
6	47BF	Prolyte Structures H3	6.30	5.00	31.50	1.00	31.50	6287	6406	None	None	Yes	3176.265,516
7	4824	Prolyte Structures H3	6.30	7.00	44.10	1.00	44.10	6289	6408	None	None	Yes	15893.038,67
8	4829	Prolyte Structures H3	6.30	4.50	28.35	1.00	28.35	6287	6406	None	None	Yes	3663.010,981
9	482A	Prolyte Structures H3	6.30	4.50	28.35	1.00	28.35	6287	6406	None	None	Yes	5316.271,981
10	482C	Prolyte Structures H3	6.30	4.50	28.35	1.00	28.35	6287	6406	None	None	Yes	8277.175,981
11	6772	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6289	6289	None	None	Yes	1271.731,168
12	6773	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	1288.503,162
13	6774	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	1288.503,296
14	6775	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	1288.503,496
15	6776	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	1288.503,697
16	6777	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	1293.842,898
17	6778	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	1286.226,109
18	6779	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	1296.380,129
19	677A	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	1288.503,149
20	6783	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	30078.949,12
21	6784	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	28864.032,12
22	6785	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	27676.144,12
23	6786	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	26467.095,12
24	6787	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	25254.771,12
25	678E	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	19612.939,12
26	678F	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	18010.343,12
27	6790	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	16007.949,12
28	6791	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	14014.031,12

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	6792	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	12003.002,12
30	6793	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	10034.711,12
31	6794	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	8015.258,128
32	6795	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	6011.356,128
33	6796	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	4017.359,128
34	6797	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	2015.713,128
35	67AC	Alupipe Alupipe t2.6	0.80	3.00	2.40	1.00	2.40	6287	6287	None	None	Yes	15260.735,14
36	67AD	Alupipe Alupipe t2.6	0.80	3.00	2.40	1.00	2.40	6287	6287	None	None	Yes	17766.706,14
37	67B0	Alupipe Alupipe t2.6	0.80	5.00	4.00	1.00	4.00	6287	6287	None	None	Yes	10590.708,97
38	67B1	Alupipe Alupipe t2.6	0.80	5.00	4.00	1.00	4.00	6287	6287	None	None	Yes	12265.758,10
39	67B2	Alupipe Alupipe t2.6	0.80	5.00	4.00	1.00	4.00	6287	6287	None	None	Yes	13002.070,10
40	67B3	Alupipe Alupipe t2.6	0.80	5.00	4.00	1.00	4.00	6287	6287	None	None	Yes	19998.904,10
41	760C	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6289	6289	None	None	Yes	21215.535,12
42	760E	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	22818.131,12
43	761A	Alupipe Alupipe t2.6	0.80	5.00	4.00	1.00	4.00	6287	6287	None	None	Yes	18747.357,10
44	761B	Alupipe Alupipe t2.6	0.80	5.00	4.00	1.00	4.00	6287	6287	None	None	Yes	17089.058,10
45	761C	Alupipe Alupipe t2.6	0.80	5.00	4.00	1.00	4.00	6287	6287	None	None	Yes	25740.373,10
46	761D	Alupipe Alupipe t2.6	0.80	3.00	2.40	1.00	2.40	6287	6287	None	None	Yes	19307.797,14
47	761E	Alupipe Alupipe t2.6	0.80	3.00	2.40	1.00	2.40	6287	6287	None	None	Yes	22342.803,14
48	761F	Alupipe Alupipe t2.6	0.80	3.00	2.40	1.00	2.40	6287	6287	None	None	Yes	27076.155,14
49	7620	Alupipe Alupipe t2.6	0.80	5.00	4.00	1.00	4.00	6287	6287	None	None	Yes	20449.909,96
50	7621	Alupipe Alupipe t2.6	0.80	5.00	4.00	1.00	4.00	6287	6287	None	None	Yes	26431.326,96
51	42F0	Prolyte Structures H3	6.30	6.15	38.74	1.00	38.74	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,169
52	4429	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	14312.500,16
53	442E	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	21331.500,16
54	4489	Prolyte Structures H3	6.30	9.23	58.14	1.00	58.14	6000	6119	BoxCorner	BoxCorner	Yes	30560.500,16
55	4563	Prolyte Structures H3	6.30	6.15	38.74	1.00	38.74	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,141
56	448C	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	7293.500,141

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	4573	Prolyte Structures H3	6.30	6.15	38.74	1.00	38.74	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,100
58	448F	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	7293.500,100
59	4583	Prolyte Structures H3	6.30	6.15	38.74	1.00	38.74	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,558
60	4492	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	7293.500,558
61	4495	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	7293.500,114
62	4593	Prolyte Structures H3	6.30	6.15	38.74	1.00	38.74	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,114
63	4569	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	14312.500,14
64	44A4	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	14312.500,14
65	4579	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	14312.500,10
66	44A7	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	14312.500,10
67	4589	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	14312.500,55
68	44AA	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	14312.500,55
69	44AD	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	14312.500,11
70	4599	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	14312.500,11
71	456D	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	21331.500,14
72	44B0	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	21331.500,14
73	457D	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	21331.500,10
74	44B3	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	21331.500,10
75	458D	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	21331.500,55
76	44B6	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	21331.500,55
77	44B9	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	21331.500,11
78	459D	Prolyte Structures H3	6.30	7.02	44.22	1.00	44.22	6000	6119	BoxCorner	BoxCorner	Yes	21331.500,11
79	4498	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,141
80	449B	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,100
81	449E	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,558
82	44A1	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,114
83	4558	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	30560.500,14
84	4572	Prolyte Structures H3	6.30	9.23	58.14	1.00	58.14	6000	6119	BoxCorner	BoxCorner	Yes	30560.500,14

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
85	455A	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	30560.500,10
86	4582	Prolyte Structures H3	6.30	9.23	58.14	1.00	58.14	6000	6119	BoxCorner	BoxCorner	Yes	30560.500,10
87	455C	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	30560.500,55
88	4592	Prolyte Structures H3	6.30	9.23	58.14	1.00	58.14	6000	6119	BoxCorner	BoxCorner	Yes	30560.500,55
89	455E	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	30560.500,11
90	45A2	Prolyte Structures H3	6.30	9.23	58.14	1.00	58.14	6000	6119	BoxCorner	BoxCorner	Yes	30560.500,11
90		TOTAL		Σ 379.36	Σ 1845.47		Σ 1845.47						