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	5208	5208	OK	OK	D8+	-2.820	56.41	-3.384	67.69	5.000	6
1	520B	520B	OK	OK	D8+	-1.665	33.30	-1.998	39.96	5.000	6
1	5207	5207	OK	OK	D8+	-1.443	28.86	-1.731	34.63	5.000	6
1	5210	5210	OK	OK	D8+	-2.608	52.16	-3.129	62.59	5.000	6
1	520D	520D	OK	HOCH	D8+	-3.206	64.12	-3.847	76.94	5.000	6
1	520C	520C	OK	OK	D8+	-2.063	41.26	-2.475	49.51	5.000	6
1	520F	520F	OK	HOCH	D8+	-3.151	63.02	-3.781	75.62	5.000	6
1	5211	5211	OK	OK	D8+	-1.583	31.67	-1.900	38.00	5.000	6
1	5212	5212	OK	OK	D8+	-1.731	34.62	-2.077	41.54	5.000	6
1	5213	5213	OK	OK	D8+	-0.614	12.28	-0.737	14.74	5.000	6
1	5214	5214	OK	OK	D8+	-1.650	33.01	-1.980	39.61	5.000	6
1	521B	521B	OK	OK	D8+	-2.590	51.80	-3.108	62.16	5.000	6
1	5215	5215	OK	OK	D8+	-2.165	43.31	-2.598	51.97	5.000	6
1	5217	5217	OK	OK	D8+	-2.100	42.01	-2.520	50.41	5.000	6
1	5218	5218	OK	OK	D8+	-2.467	49.35	-2.961	59.22	5.000	6
1	521C	521C	OK	OK	D8+	-1.964	39.28	-2.357	47.13	5.000	6
1	5216	5216	OK	OK	D8+	-1.107	22.15	-1.329	26.58	5.000	6
					SUM Σ	**-34.929**	**x 1.20 =**	**-41.915**			

Auflagerlasten	5.865
Einzellasten	9.340
Preriglasten	0.000
Streckenlasten	19.724
SUM Σ	**34.929**

DELTA Δ	**0.000**

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	5208	5208	D8+	-2.820	6.71	0.00	0.00	0.00	59.54	12.39	12.23	0.00	0.00	90.86
1	520B	520B	D8+	-1.665	10.89	0.00	0.00	0.00	31.83	32.02	20.72	0.00	0.00	95.46
1	5207	5207	D8+	-1.443	1.63	0.00	0.00	0.00	49.22	17.80	23.91	0.00	0.00	92.56
1	5210	5210	D8+	-2.608	5.48	0.00	0.00	0.00	59.35	13.07	13.23	0.00	0.00	91.12
1	520D	520D	D8+	-3.206	12.43	0.00	0.00	0.00	60.71	6.84	10.76	0.00	0.00	90.75
1	520C	520C	D8+	-2.063	27.17	0.00	0.00	0.00	27.97	24.50	16.72	0.00	0.00	96.36
1	520F	520F	D8+	-3.151	13.07	0.00	0.00	0.00	57.78	9.51	10.95	0.00	0.00	91.30
1	5211	5211	D8+	-1.583	0.03	0.00	0.00	0.00	56.72	12.81	21.79	0.00	0.00	91.36
1	5212	5212	D8+	-1.731	13.39	0.00	0.00	0.00	49.65	9.29	19.93	0.00	0.00	92.26
1	5213	5213	D8+	-0.614	25.50	0.00	0.00	0.00	30.04	-16.88	56.17	0.00	0.00	94.83
1	5214	5214	D8+	-1.650	17.45	0.00	0.00	0.00	50.60	3.05	20.90	0.00	0.00	91.99
1	521B	521B	D8+	-2.590	21.14	0.00	0.00	0.00	40.34	19.27	13.32	0.00	0.00	94.07
1	5215	5215	D8+	-2.165	9.50	0.00	0.00	0.00	54.01	12.14	15.93	0.00	0.00	91.58
1	5217	5217	D8+	-2.100	8.02	0.00	0.00	0.00	39.91	30.03	16.43	0.00	0.00	94.38
1	5218	5218	D8+	-2.467	13.15	0.00	0.00	0.00	55.20	9.08	13.98	0.00	0.00	91.41
1	521C	521C	D8+	-1.964	16.90	0.00	0.00	0.00	33.59	27.12	17.57	0.00	0.00	95.18
1	5216	5216	D8+	-1.107	-2.91	0.00	0.00	0.00	43.59	22.20	31.15	0.00	0.00	94.04

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	14.26	PROLYTE	H30V	45A6	2729.000	2.166	24.000	9.02	2.101	14.730	14.26	6119
2	OK	12.39	PROLYTE	H30V	45A8	4149.000	2.062	24.000	8.59	-1.825	14.730	12.39	6119
3	OK	17.08	PROLYTE	H30V	45B6	4019.000	2.750	24.000	11.46	2.516	14.730	17.08	6119
4	OK	14.33	PROLYTE	H30V	45C5	4019.000	-2.675	24.000	11.14	-2.111	14.730	14.33	6119
5	OK	6.42	PROLYTE	H30V	45B9	2729.000	-1.541	24.000	6.42	-0.793	14.730	5.39	6119
6	OK	9.19	PROLYTE	H30V	45DE	2729.000	-2.205	24.000	9.19	-1.276	14.730	8.66	6119
7	OK	7.56	PROLYTE	H30V	45F1	2729.000	1.698	24.000	7.08	-1.113	14.730	7.56	6119
8	OK	8.77	PROLYTE	H30V	4621	2729.000	1.311	24.000	5.46	1.292	14.730	8.77	6119
9	OK	4.14	PROLYTE	H30V	4635	2729.000	-0.683	24.000	2.84	-0.610	14.730	4.14	6119
10	OK	8.54	PROLYTE	H30V	45AA	4439.000	-2.049	24.000	8.54	-0.940	14.730	6.38	6119
11	OK	7.95	PROLYTE	H30V	45C7	4019.000	1.908	24.000	7.95	0.707	14.730	4.80	6119
12	OK	7.40	PROLYTE	H30V	45BC	4149.000	-1.777	24.000	7.40	-0.457	14.730	3.10	6119
13	OK	14.26	PROLYTE	H30V	45D6	3019.000	1.422	24.000	5.92	2.101	14.730	14.26	6119
14	OK	4.94	PROLYTE	H30V	45D7	3019.000	-1.185	24.000	4.94	-0.370	14.730	2.51	6119
15	OK	9.02	PROLYTE	H30V	45E1	4149.000	2.166	24.000	9.02	0.579	14.730	3.93	6119
16	OK	5.61	PROLYTE	H30V	45EE	4019.000	1.345	24.000	5.61	0.804	14.730	5.46	6119
17	OK	3.00	PROLYTE	H30V	45FD	4019.000	-0.564	24.000	2.35	-0.442	14.730	3.00	6119
18	OK	6.23	PROLYTE	H30V	45F4	4149.000	1.495	24.000	6.23	0.911	14.730	6.18	6119
19	OK	6.64	PROLYTE	H30V	4618	7309.000	-1.372	24.000	5.72	-0.978	14.730	6.64	6119
20	OK	7.71	PROLYTE	H30V	4619	7309.000	-1.850	24.000	7.71	1.062	14.730	7.21	6119
21	OK	5.54	PROLYTE	H30V	4624	4149.000	-1.312	24.000	5.47	-0.815	14.730	5.54	6119
22	OK	12.39	PROLYTE	H30V	462D	5439.000	-1.597	24.000	6.65	-1.825	14.730	12.39	6119
23	OK	4.20	PROLYTE	H30V	461F	5439.000	-0.699	24.000	2.91	0.619	14.730	4.20	6119
24	OK	6.42	PROLYTE	H30V	4638	4149.000	1.542	24.000	6.42	0.925	14.730	6.28	6119
25	OK	8.45	PROLYTE	H30V	45AC	4439.000	1.187	24.000	4.95	-1.244	14.730	8.45	6119
26	OK	6.04	PROLYTE	H30V	45C9	4019.000	1.449	24.000	6.04	0.556	14.730	3.78	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	5.09	PROLYTE	H30V	45BF	4439.000	1.221	24.000	5.09	0.624	14.730	4.24	6119
28	OK	7.93	PROLYTE	H30V	45D8	3019.000	-1.903	24.000	7.93	-0.393	14.730	2.67	6119
29	OK	6.71	PROLYTE	H30V	45E4	4439.000	1.612	24.000	6.71	0.846	14.730	5.75	6119
30	OK	15.47	PROLYTE	H30V	45FF	4019.000	2.750	24.000	11.46	2.279	14.730	15.47	6119
31	OK	6.16	PROLYTE	H30V	45F7	4439.000	-1.479	24.000	6.16	-0.822	14.730	5.58	6119
32	OK	6.05	PROLYTE	H30V	461A	7309.000	1.451	24.000	6.05	0.565	14.730	3.83	6119
33	OK	8.70	PROLYTE	H30V	4627	4439.000	2.088	24.000	8.70	0.928	14.730	6.30	6119
34	OK	13.10	PROLYTE	H30V	462F	5439.000	-0.572	24.000	2.38	1.929	14.730	13.10	6119
35	OK	6.68	PROLYTE	H30V	463A	4439.000	-1.550	24.000	6.46	-0.984	14.730	6.68	6119
36	OK	8.38	PROLYTE	H30V	45CB	4019.000	-1.950	24.000	8.12	1.234	14.730	8.38	6119
37	OK	5.04	PROLYTE	H30V	45C2	4439.000	-1.210	24.000	5.04	-0.460	14.730	3.12	6119
38	OK	17.08	PROLYTE	H30V	45D9	3019.000	2.070	24.000	8.63	2.516	14.730	17.08	6119
39	OK	6.73	PROLYTE	H30V	45E7	4439.000	-1.616	24.000	6.73	-0.549	14.730	3.72	6119
40	OK	8.24	PROLYTE	H30V	4601	4019.000	1.979	24.000	8.24	1.086	14.730	7.37	6119
41	OK	5.06	PROLYTE	H30V	45FA	4439.000	0.775	24.000	3.23	0.746	14.730	5.06	6119
42	OK	6.74	PROLYTE	H30V	461B	7309.000	-1.210	24.000	5.04	0.992	14.730	6.74	6119
43	OK	8.94	PROLYTE	H30V	462A	4439.000	-2.145	24.000	8.94	-0.924	14.730	6.27	6119
44	OK	14.33	PROLYTE	H30V	4631	5439.000	-2.212	24.000	9.22	-2.111	14.730	14.33	6119
45	OK	6.90	PROLYTE	H30V	463C	4439.000	1.244	24.000	5.18	1.017	14.730	6.90	6119
46	OK	11.00	PROLYTE	H30V	45DA	3019.000	-1.723	24.000	7.18	-1.621	14.730	11.00	6119
47	OK	7.00	PROLYTE	H30V	4603	4019.000	1.679	24.000	7.00	0.776	14.730	5.27	6119
48	OK	11.23	PROLYTE	H30V	461C	7309.000	-2.675	24.000	11.14	1.654	14.730	11.23	6119
49	OK	9.52	PROLYTE	H30V	4633	5439.000	-2.284	24.000	9.52	-1.199	14.730	8.14	6119
50	OK	4.26	PROLYTE	H30V	47B1	24000.00	-0.919	24.000	3.83	-0.628	14.730	4.26	6119
51	OK	4.20	PROLYTE	H30V	47C6	5999.999	-0.748	24.000	3.12	0.619	14.730	4.20	6119
52	OK	2.30	PROLYTE	H30V	47A3	6005.239	0.288	24.000	1.20	-0.339	14.730	2.30	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	2.14	PROLYTE	H30V	47B2	5000.000	-0.381	24.000	1.59	-0.315	14.730	2.14	6119
54	OK	3.99	PROLYTE	H30V	47B8	13000.00	-0.817	24.000	3.40	0.587	14.730	3.99	6119
55	OK	16.09	DIN EN 10220	RO48,3x2,0	67A9	1500.000	0.095	0.590	16.09	0.079	14.580	0.54	6119
56	OK	16.46	DIN EN 10220	RO48,3x2,0	67A8	1500.000	0.097	0.590	16.46	0.079	14.580	0.54	6119
57	OK	1.59	DIN EN 10220	RO48,3x2,0	67A7	1500.000	0.009	0.590	1.59	0.013	14.580	0.09	6119
58	OK	1.59	DIN EN 10220	RO48,3x2,0	67A6	1500.000	0.009	0.590	1.59	0.013	14.580	0.09	6119
59	OK	1.59	DIN EN 10220	RO48,3x2,0	67A5	1500.000	0.009	0.590	1.59	0.013	14.580	0.09	6119
60	OK	1.59	DIN EN 10220	RO48,3x2,0	67A4	1500.000	0.009	0.590	1.59	0.013	14.580	0.09	6119
61	OK	12.43	DIN EN 10220	RO48,3x2,0	677F	1500.000	0.073	0.590	12.43	0.079	14.580	0.54	6119
62	OK	12.85	DIN EN 10220	RO48,3x2,0	677E	1500.000	0.076	0.590	12.85	0.079	14.580	0.54	6119
63	OK	12.02	DIN EN 10220	RO48,3x2,0	677B	1500.000	0.071	0.590	12.02	0.079	14.580	0.54	6119
64	OK	14.95	DIN EN 10220	RO48,3x2,0	67A3	1500.000	0.088	0.590	14.95	0.079	14.580	0.54	6119
65	OK	15.16	DIN EN 10220	RO48,3x2,0	67A2	1500.000	0.089	0.590	15.16	0.079	14.580	0.54	6119
66	OK	1.59	DIN EN 10220	RO48,3x2,0	67A1	1500.000	0.009	0.590	1.59	0.013	14.580	0.09	6119
67	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
68	OK	12.85	DIN EN 10220	RO48,3x2,0	677D	1500.000	0.076	0.590	12.85	0.079	14.580	0.54	6119
69	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
70	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
71	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
72	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
73	OK	16.09	DIN EN 10220	RO48,3x2,0	678A	1500.000	0.095	0.590	16.09	0.079	14.580	0.54	6119
74	OK	16.15	DIN EN 10220	RO48,3x2,0	6789	1500.000	0.095	0.590	16.15	0.079	14.580	0.54	6119
75	OK	15.94	DIN EN 10220	RO48,3x2,0	6788	1500.000	0.094	0.590	15.94	0.079	14.580	0.54	6119
76	OK	16.30	DIN EN 10220	RO48,3x2,0	678D	1500.000	0.096	0.590	16.30	0.079	14.580	0.54	6119
77	OK	16.30	DIN EN 10220	RO48,3x2,0	678C	1500.000	0.096	0.590	16.30	0.079	14.580	0.54	6119
78	OK	16.46	DIN EN 10220	RO48,3x2,0	678B	1500.000	0.097	0.590	16.46	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	33	2.310
1	DoubLED	Media	0.044	22	0.968
1	Backlite Fluter	Media	0.051	10	0.510
1	Par	Media	0.057	6	0.342
1	Banner	Rigging	0.055	62	3.410
1	Paar Drehschellen	Rigging	0.030	30	0.900
1	Logo	Rigging	0.180	5	0.900
1	D8+	Rigging	0.345	17	5.865
	SUM			**Σ 185**	**Σ 15.205**

1	TOTAL Single Load	Σ 185	Σ 15.205

Verwendete Streckenlasten

Rig	Line Load Name	Line Load Category	Length [m]	Self Weight [kN/m]	Total load [kN]
	Eigengewicht				
1	DIN EN 10220 RO48,3x2,0	Rigging	36.00	0.008	0.288
1	PROLYTE H30V	Rigging	267.57	0.063	16.857
	Individuelle Streckenlast				
1	PROLYTE H30V	Rigging	257.91	0.010	2.579
	SUM		**Σ 561.48**		**Σ 19.724**
1	**TOTAL**		**Σ 561.47**		**Σ 19.724**

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/s2]	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	RO48,3x2,0	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	8509.710,102
2	47B1	Prolyte Structures H3	6.30	24.00	151.20	1.00	151.20	6287	6406	None	None	Yes	25001.503,15
3	47B2	Prolyte Structures H3	6.30	5.00	31.50	1.00	31.50	6287	6406	None	None	Yes	17911.594,10
4	47B8	Prolyte Structures H3	6.30	13.00	81.90	1.00	81.90	6287	6406	None	None	Yes	12018.236,27
5	47C6	Prolyte Structures H3	6.30	6.00	37.80	1.00	37.80	6287	6406	None	None	Yes	479.499,1079
6	677B	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	1921.932,128
7	677C	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	6711.263,128
8	677D	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	5503.503,128
9	677E	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	4339.503,128
10	677F	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	3117.765,128
11	6788	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	14029.657,12
12	6789	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	16034.923,12
13	678A	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	18063.646,12
14	678B	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	20066.330,12
15	678C	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	22048.112,12
16	678D	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	24039.027,12
17	67A1	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	24766.406,14
18	67A2	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	24767.380,28
19	67A3	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	24766.406,48
20	67A4	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	24766.406,68
21	67A5	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	24767.380,88
22	67A6	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	24767.380,10
23	67A7	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	24766.406,12
24	67A8	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	24766.406,14
25	67A9	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6289	6289	None	None	Yes	24757.196,16
26	7610	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	7919.023,128
27	7612	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	9126.782,128
28	7614	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	10334.542,12

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	7616	Alupipe Alupipe t2.6	0.80	1.50	1.20	1.00	1.20	6287	6287	None	None	Yes	11542.302,12
30	45A6	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,141
31	45A8	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,100
32	45AA	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,558
33	45AC	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	1144.500,114
34	45B6	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	5163.500,169
35	45C5	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	5163.500,141
36	45B9	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	5163.500,141
37	45C7	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	5163.500,100
38	45BC	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	5163.500,100
39	45C9	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	5163.500,558
40	45BF	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	5163.500,558
41	45C2	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	5163.500,114
42	45CB	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	5163.500,114
43	45D6	Prolyte Structures H3	6.30	3.02	19.02	1.00	19.02	6000	6119	BoxCorner	BoxCorner	Yes	8182.500,169
44	45D7	Prolyte Structures H3	6.30	3.02	19.02	1.00	19.02	6000	6119	BoxCorner	BoxCorner	Yes	8182.500,141
45	45DE	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	8182.500,141
46	45D8	Prolyte Structures H3	6.30	3.02	19.02	1.00	19.02	6000	6119	BoxCorner	BoxCorner	Yes	8182.500,100
47	45E1	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	8182.500,100
48	45D9	Prolyte Structures H3	6.30	3.02	19.02	1.00	19.02	6000	6119	BoxCorner	BoxCorner	Yes	8182.500,558
49	45E4	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	8182.500,558
50	45E7	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	8182.500,114
51	45DA	Prolyte Structures H3	6.30	3.02	19.02	1.00	19.02	6000	6119	BoxCorner	BoxCorner	Yes	8182.500,114
52	45EE	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	12201.500,16
53	45FD	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	12201.500,14
54	45F1	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	12201.500,14
55	45FF	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	12201.500,10
56	45F4	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	12201.500,10

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
57	4601	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	12201.500,55
58	45F7	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	12201.500,55
59	45FA	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	12201.500,11
60	4603	Prolyte Structures H3	6.30	4.02	25.32	1.00	25.32	6000	6119	BoxCorner	BoxCorner	Yes	12201.500,11
61	4618	Prolyte Structures H3	6.30	7.31	46.05	1.00	46.05	6000	6119	BoxCorner	BoxCorner	Yes	19510.500,16
62	4619	Prolyte Structures H3	6.30	7.31	46.05	1.00	46.05	6000	6119	BoxCorner	BoxCorner	Yes	19510.500,14
63	4621	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	19510.500,14
64	461A	Prolyte Structures H3	6.30	7.31	46.05	1.00	46.05	6000	6119	BoxCorner	BoxCorner	Yes	19510.500,10
65	4624	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	19510.500,10
66	461B	Prolyte Structures H3	6.30	7.31	46.05	1.00	46.05	6000	6119	BoxCorner	BoxCorner	Yes	19510.500,55
67	4627	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	19510.500,55
68	462A	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	19510.500,11
69	461C	Prolyte Structures H3	6.30	7.31	46.05	1.00	46.05	6000	6119	BoxCorner	BoxCorner	Yes	19510.500,11
70	4635	Prolyte Structures H3	6.30	2.73	17.19	1.00	17.19	6000	6119	BoxCorner	BoxCorner	Yes	24949.500,16
71	462D	Prolyte Structures H3	6.30	5.44	34.27	1.00	34.27	6000	6119	BoxCorner	BoxCorner	Yes	24949.500,14
72	4638	Prolyte Structures H3	6.30	4.15	26.14	1.00	26.14	6000	6119	BoxCorner	BoxCorner	Yes	24949.500,10
73	462F	Prolyte Structures H3	6.30	5.44	34.27	1.00	34.27	6000	6119	BoxCorner	BoxCorner	Yes	24949.500,10
74	463A	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	24949.500,55
75	4631	Prolyte Structures H3	6.30	5.44	34.27	1.00	34.27	6000	6119	BoxCorner	BoxCorner	Yes	24949.500,55
76	463C	Prolyte Structures H3	6.30	4.44	27.97	1.00	27.97	6000	6119	BoxCorner	BoxCorner	Yes	24949.500,11
77	4633	Prolyte Structures H3	6.30	5.44	34.27	1.00	34.27	6000	6119	BoxCorner	BoxCorner	Yes	24949.500,11
78	461F	Prolyte Structures H3	6.30	5.44	34.27	1.00	34.27	6000	6119	BoxCorner	BoxCorner	Yes	24949.500,16
78		**TOTAL**		**Σ 303.57**	**Σ 1714.47**		**Σ 1714.47**						