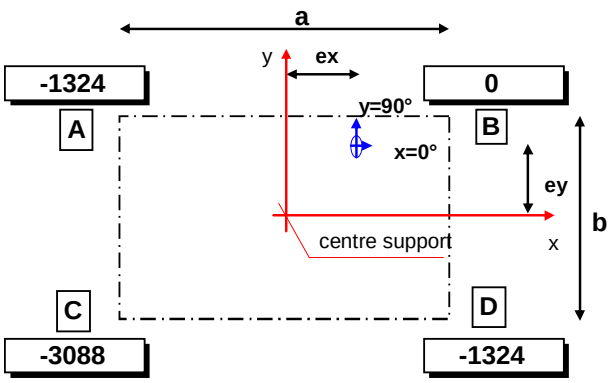
Hammerschmidt Jan (MCR)
Digital signiert von Hammerschmidt Jan (MCR)
DN: cn=Hammerschmidt Jan (MCR)
Datum: 2024.11.29 10:30:49 +01'00'

SUPPORT FORCES fo Maximum

CRANE: **LHM 550**
LOADCASE: **DYNAMIK incl. WIND 75% Util.**
UNITS: **SI [m,kN]**

tension allowed:	geometry a	b
no	**13.500**	**13.500**



slewing axis

ex		ey
0.000		0.000
Fz	Mres	angle °
-4464	**29481**	370.00
		-45.00

centre of supports

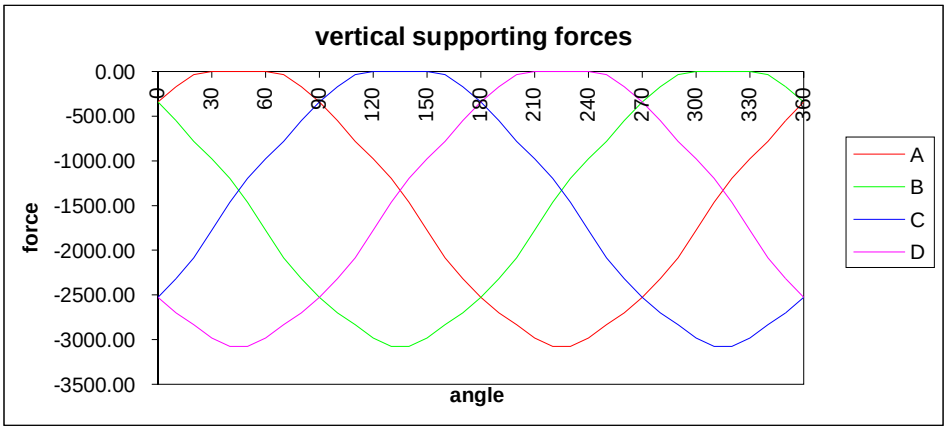
Fz	Mx	My
-1273	0	0

total load

-5737	20847	-20847

Units: Force **[kN]**
Moment **[kNm]**
Length **[m]**

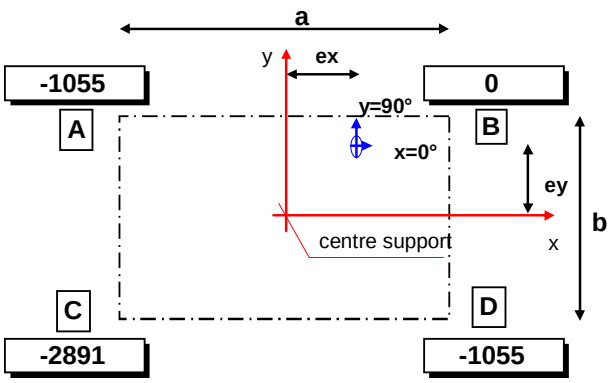
angle	A	B	C	D	Fhoriz.
Fangspeicher für Grafik					
factor	1.00	1.00	1.00	1.00	1.00
table of values					
0.00	-342.32	-342.32	-2526.13	-2526.13	0.00
10.00	-169.30	-548.51	-2319.94	-2699.15	0.00
20.00	-34.71	-781.62	-2086.83	-2833.74	0.00
30.00	0.00	-977.21	-1776.54	-2983.14	0.00
40.00	0.00	-1195.55	-1464.72	-3076.63	0.00
50.00	0.00	-1464.72	-1195.55	-3076.63	0.00
60.00	0.00	-1776.54	-977.21	-2983.14	0.00
70.00	-34.71	-2086.83	-781.62	-2833.74	0.00
80.00	-169.30	-2319.94	-548.51	-2699.15	0.00
90.00	-342.32	-2526.13	-342.32	-2526.13	0.00
100.00	-548.51	-2699.15	-169.30	-2319.94	0.00
110.00	-781.62	-2833.74	-34.71	-2086.83	0.00
120.00	-977.21	-2983.14	0.00	-1776.54	0.00
130.00	-1195.55	-3076.63	0.00	-1464.72	0.00
140.00	-1464.72	-3076.63	0.00	-1195.55	0.00
150.00	-1776.54	-2983.14	0.00	-977.21	0.00
160.00	-2086.83	-2833.74	-34.71	-781.62	0.00
170.00	-2319.94	-2699.15	-169.30	-548.51	0.00
180.00	-2526.13	-2526.13	-342.32	-342.32	0.00
190.00	-2699.15	-2319.94	-548.51	-169.30	0.00
200.00	-2833.74	-2086.83	-781.62	-34.71	0.00
210.00	-2983.14	-1776.54	-977.21	0.00	0.00
220.00	-3076.63	-1464.72	-1195.55	0.00	0.00
230.00	-3076.63	-1195.55	-1464.72	0.00	0.00
240.00	-2983.14	-977.21	-1776.54	0.00	0.00
250.00	-2833.74	-781.62	-2086.83	-34.71	0.00
260.00	-2699.15	-548.51	-2319.94	-169.30	0.00
270.00	-2526.13	-342.32	-2526.13	-342.32	0.00
280.00	-2319.94	-169.30	-2699.15	-548.51	0.00
290.00	-2086.83	-34.71	-2833.74	-781.62	0.00
300.00	-1776.54	0.00	-2983.14	-977.21	0.00
310.00	-1464.72	0.00	-3076.63	-1195.55	0.00
320.00	-1195.55	0.00	-3076.63	-1464.72	0.00
330.00	-977.21	0.00	-2983.14	-1776.54	0.00
340.00	-781.62	-34.71	-2833.74	-2086.83	0.00
350.00	-548.51	-169.30	-2699.15	-2319.94	0.00
360.00	-342.32	-342.32	-2526.13	-2526.13	0.00



SUPPORT FORCES fo Maximum

CRANE: **LHM 550**
LOADCASE: **DYNAMIK excl. WIND 75% Util.**
UNITS: **SI [m,kN]**

tension	geometry	
allowed:	a	b
no	**13.500**	**13.500**



slewing axis

ex		ey
0.000		0.000
Fz	Mres	angle °
-3727	**27593**	370.00
		-45.00

centre of supports

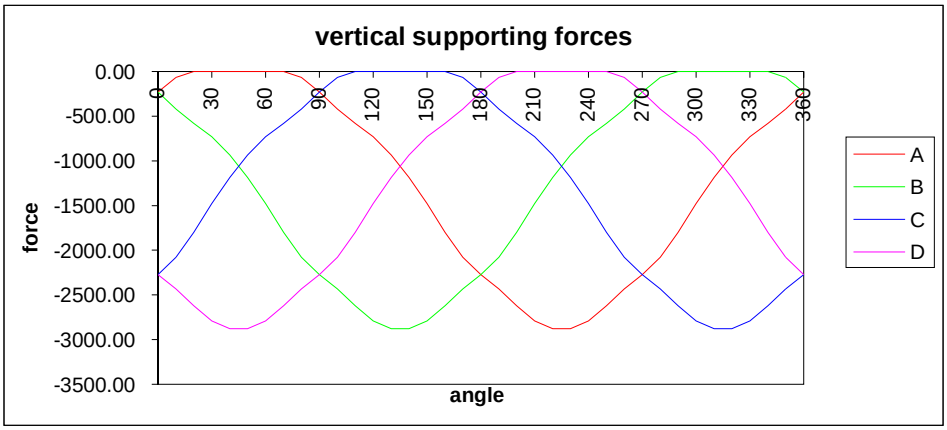
Fz	Mx	My
-1273	0	0

total load

-5000	19511	-19511

Units:	Force	**[kN]**
	Moment	**[kNm]**
	Length	**[m]**

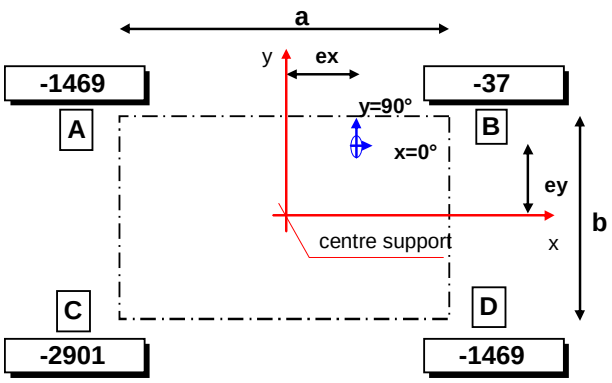
angle	A	B	C	D	Fhoriz.
Fangspeicher für Grafik					
factor	1.00	1.00	1.00	1.00	1.00
table of values					
0.00	-227.97	-227.97	-2271.93	-2271.93	0.00
10.00	-66.04	-420.96	-2078.94	-2433.86	0.00
20.00	0.00	-579.21	-1800.83	-2619.76	0.00
30.00	0.00	-729.79	-1477.92	-2792.09	0.00
40.00	0.00	-934.14	-1186.07	-2879.58	0.00
50.00	0.00	-1186.07	-934.14	-2879.58	0.00
60.00	0.00	-1477.92	-729.79	-2792.09	0.00
70.00	0.00	-1800.83	-579.21	-2619.76	0.00
80.00	-66.04	-2078.94	-420.96	-2433.86	0.00
90.00	-227.97	-2271.93	-227.97	-2271.93	0.00
100.00	-420.96	-2433.86	-66.04	-2078.94	0.00
110.00	-579.21	-2619.76	0.00	-1800.83	0.00
120.00	-729.79	-2792.09	0.00	-1477.92	0.00
130.00	-934.14	-2879.58	0.00	-1186.07	0.00
140.00	-1186.07	-2879.58	0.00	-934.14	0.00
150.00	-1477.92	-2792.09	0.00	-729.79	0.00
160.00	-1800.83	-2619.76	0.00	-579.21	0.00
170.00	-2078.94	-2433.86	-66.04	-420.96	0.00
180.00	-2271.93	-2271.93	-227.97	-227.97	0.00
190.00	-2433.86	-2078.94	-420.96	-66.04	0.00
200.00	-2619.76	-1800.83	-579.21	0.00	0.00
210.00	-2792.09	-1477.92	-729.79	0.00	0.00
220.00	-2879.58	-1186.07	-934.14	0.00	0.00
230.00	-2879.58	-934.14	-1186.07	0.00	0.00
240.00	-2792.09	-729.79	-1477.92	0.00	0.00
250.00	-2619.76	-579.21	-1800.83	0.00	0.00
260.00	-2433.86	-420.96	-2078.94	-66.04	0.00
270.00	-2271.93	-227.97	-2271.93	-227.97	0.00
280.00	-2078.94	-66.04	-2433.86	-420.96	0.00
290.00	-1800.83	0.00	-2619.76	-579.21	0.00
300.00	-1477.92	0.00	-2792.09	-729.79	0.00
310.00	-1186.07	0.00	-2879.58	-934.14	0.00
320.00	-934.14	0.00	-2879.58	-1186.07	0.00
330.00	-729.79	0.00	-2792.09	-1477.92	0.00
340.00	-579.21	0.00	-2619.76	-1800.83	0.00
350.00	-420.96	-66.04	-2433.86	-2078.94	0.00
360.00	-227.97	-227.97	-2271.93	-2271.93	0.00



SUPPORT FORCES fo Maximum

CRANE: **LHM 550**
LOADCASE: **STATIK incl. WIND** **75% Util.**
UNITS: **SI [m,kN]**

tension allowed:	geometry a	b
no	**13.500**	**13.500**



slewing axis

ex		ey
0.000		0.000
Fz	Mres	angle °
-4603	**27346**	370.00
		-45.00

centre of supports

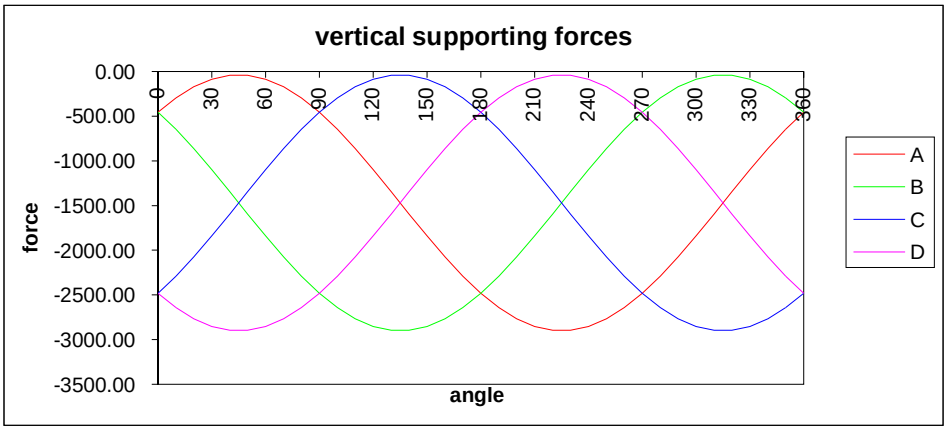
Fz	Mx	My
-1273	0	0

total load

-5876	19337	-19337

Units:	Force	**[kN]**
	Moment	**[kNm]**
	Length	**[m]**

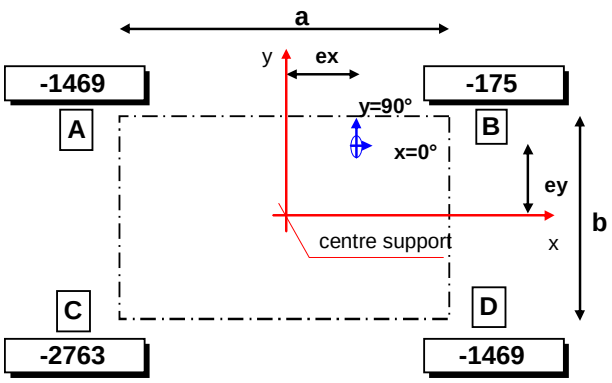
angle	A	B	C	D	Fhoriz.
Fangspeicher für Grafik					
factor	1.00	1.00	1.00	1.00	1.00
table of values					
0.00	-456.15	-456.15	-2481.80	-2481.80	0.00
10.00	-295.66	-647.41	-2290.54	-2642.29	0.00
20.00	-170.83	-863.64	-2074.31	-2767.12	0.00
30.00	-85.43	-1098.26	-1839.69	-2852.52	0.00
40.00	-42.08	-1344.14	-1593.81	-2895.87	0.00
50.00	-42.08	-1593.81	-1344.14	-2895.87	0.00
60.00	-85.43	-1839.69	-1098.26	-2852.52	0.00
70.00	-170.83	-2074.31	-863.64	-2767.12	0.00
80.00	-295.66	-2290.54	-647.41	-2642.29	0.00
90.00	-456.15	-2481.80	-456.15	-2481.80	0.00
100.00	-647.41	-2642.29	-295.66	-2290.54	0.00
110.00	-863.64	-2767.12	-170.83	-2074.31	0.00
120.00	-1098.26	-2852.52	-85.43	-1839.69	0.00
130.00	-1344.14	-2895.87	-42.08	-1593.81	0.00
140.00	-1593.81	-2895.87	-42.08	-1344.14	0.00
150.00	-1839.69	-2852.52	-85.43	-1098.26	0.00
160.00	-2074.31	-2767.12	-170.83	-863.64	0.00
170.00	-2290.54	-2642.29	-295.66	-647.41	0.00
180.00	-2481.80	-2481.80	-456.15	-456.15	0.00
190.00	-2642.29	-2290.54	-647.41	-295.66	0.00
200.00	-2767.12	-2074.31	-863.64	-170.83	0.00
210.00	-2852.52	-1839.69	-1098.26	-85.43	0.00
220.00	-2895.87	-1593.81	-1344.14	-42.08	0.00
230.00	-2895.87	-1344.14	-1593.81	-42.08	0.00
240.00	-2852.52	-1098.26	-1839.69	-85.43	0.00
250.00	-2767.12	-863.64	-2074.31	-170.83	0.00
260.00	-2642.29	-647.41	-2290.54	-295.66	0.00
270.00	-2481.80	-456.15	-2481.80	-456.15	0.00
280.00	-2290.54	-295.66	-2642.29	-647.41	0.00
290.00	-2074.31	-170.83	-2767.12	-863.64	0.00
300.00	-1839.69	-85.43	-2852.52	-1098.26	0.00
310.00	-1593.81	-42.08	-2895.87	-1344.14	0.00
320.00	-1344.14	-42.08	-2895.87	-1593.81	0.00
330.00	-1098.26	-85.43	-2852.52	-1839.69	0.00
340.00	-863.64	-170.83	-2767.12	-2074.31	0.00
350.00	-647.41	-295.66	-2642.29	-2290.54	0.00
360.00	-456.15	-456.15	-2481.80	-2481.80	0.00



SUPPORT FORCES fo Maximum

CRANE: **LHM 550**
LOADCASE: **STATIK excl. WIND** **75% Util.**
UNITS: **SI [m,kN]**

tension allowed:	geometry a	b
no	**13.500**	**13.500**



slewing axis

ex		ey
0.000		0.000
Fz	Mres	angle °
-4603	**24710**	370.00
		-45.00

centre of supports

Fz	Mx	My
-1273	0	0

total load

-5876	17472	-17472

Units:	Force	**[kN]**
	Moment	**[kNm]**
	Length	**[m]**

angle	A	B	C	D	Fhoriz.
Fangspeicher für Grafik					
factor	1.00	1.00	1.00	1.00	1.00
table of values					
0.00	-553.81	-553.81	-2384.14	-2384.14	0.00
10.00	-408.79	-726.63	-2211.32	-2529.16	0.00
20.00	-295.99	-922.00	-2015.95	-2641.96	0.00
30.00	-218.83	-1134.00	-1803.95	-2719.12	0.00
40.00	-179.66	-1356.17	-1581.78	-2758.29	0.00
50.00	-179.66	-1581.78	-1356.17	-2758.29	0.00
60.00	-218.83	-1803.95	-1134.00	-2719.12	0.00
70.00	-295.99	-2015.95	-922.00	-2641.96	0.00
80.00	-408.79	-2211.32	-726.63	-2529.16	0.00
90.00	-553.81	-2384.14	-553.81	-2384.14	0.00
100.00	-726.63	-2529.16	-408.79	-2211.32	0.00
110.00	-922.00	-2641.96	-295.99	-2015.95	0.00
120.00	-1134.00	-2719.12	-218.83	-1803.95	0.00
130.00	-1356.17	-2758.29	-179.66	-1581.78	0.00
140.00	-1581.78	-2758.29	-179.66	-1356.17	0.00
150.00	-1803.95	-2719.12	-218.83	-1134.00	0.00
160.00	-2015.95	-2641.96	-295.99	-922.00	0.00
170.00	-2211.32	-2529.16	-408.79	-726.63	0.00
180.00	-2384.14	-2384.14	-553.81	-553.81	0.00
190.00	-2529.16	-2211.32	-726.63	-408.79	0.00
200.00	-2641.96	-2015.95	-922.00	-295.99	0.00
210.00	-2719.12	-1803.95	-1134.00	-218.83	0.00
220.00	-2758.29	-1581.78	-1356.17	-179.66	0.00
230.00	-2758.29	-1356.17	-1581.78	-179.66	0.00
240.00	-2719.12	-1134.00	-1803.95	-218.83	0.00
250.00	-2641.96	-922.00	-2015.95	-295.99	0.00
260.00	-2529.16	-726.63	-2211.32	-408.79	0.00
270.00	-2384.14	-553.81	-2384.14	-553.81	0.00
280.00	-2211.32	-408.79	-2529.16	-726.63	0.00
290.00	-2015.95	-295.99	-2641.96	-922.00	0.00
300.00	-1803.95	-218.83	-2719.12	-1134.00	0.00
310.00	-1581.78	-179.66	-2758.29	-1356.17	0.00
320.00	-1356.17	-179.66	-2758.29	-1581.78	0.00
330.00	-1134.00	-218.83	-2719.12	-1803.95	0.00
340.00	-922.00	-295.99	-2641.96	-2015.95	0.00
350.00	-726.63	-408.79	-2529.16	-2211.32	0.00
360.00	-553.81	-553.81	-2384.14	-2384.14	0.00

