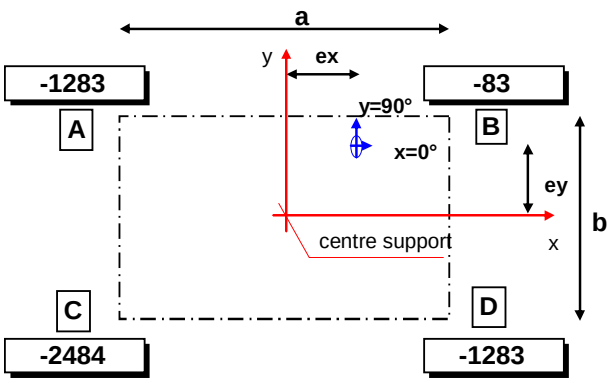
Hammerschmidt Jan (MCR)
Digital signiert von Hammerschmidt Jan (MCR)
DN: cn=Hammerschmidt Jan (MCR)
Datum: 2024.11.29 10:28:53 +01'00'

SUPPORT FORCES fo Maximum

CRANE: **LHM 550**
LOADCASE: **DYNAMIK incl. WIND Grab Op.**
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 °
-3860	**22918**	370.00
		-45.00

centre of supports

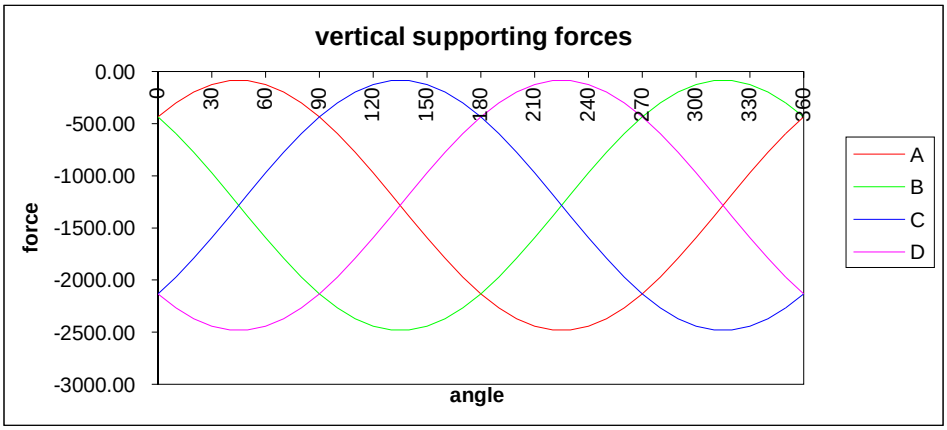
Fz	Mx	My
-1273	0	0

total load

-5133	16205	-16205

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

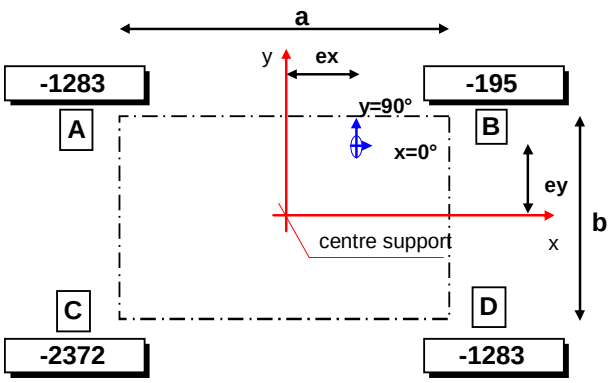
angle	A	B	C	D	Fhoriz.
Fangspeicher für Grafik					
factor	1.00	1.00	1.00	1.00	1.00
table of values					
0.00	-434.51	-434.51	-2132.14	-2132.14	0.00
10.00	-300.01	-594.80	-1971.85	-2266.64	0.00
20.00	-195.39	-776.01	-1790.64	-2371.26	0.00
30.00	-123.82	-972.64	-1594.01	-2442.83	0.00
40.00	-87.49	-1178.70	-1387.95	-2479.16	0.00
50.00	-87.49	-1387.95	-1178.70	-2479.16	0.00
60.00	-123.82	-1594.01	-972.64	-2442.83	0.00
70.00	-195.39	-1790.64	-776.01	-2371.26	0.00
80.00	-300.01	-1971.85	-594.80	-2266.64	0.00
90.00	-434.51	-2132.14	-434.51	-2132.14	0.00
100.00	-594.80	-2266.64	-300.01	-1971.85	0.00
110.00	-776.01	-2371.26	-195.39	-1790.64	0.00
120.00	-972.64	-2442.83	-123.82	-1594.01	0.00
130.00	-1178.70	-2479.16	-87.49	-1387.95	0.00
140.00	-1387.95	-2479.16	-87.49	-1178.70	0.00
150.00	-1594.01	-2442.83	-123.82	-972.64	0.00
160.00	-1790.64	-2371.26	-195.39	-776.01	0.00
170.00	-1971.85	-2266.64	-300.01	-594.80	0.00
180.00	-2132.14	-2132.14	-434.51	-434.51	0.00
190.00	-2266.64	-1971.85	-594.80	-300.01	0.00
200.00	-2371.26	-1790.64	-776.01	-195.39	0.00
210.00	-2442.83	-1594.01	-972.64	-123.82	0.00
220.00	-2479.16	-1387.95	-1178.70	-87.49	0.00
230.00	-2479.16	-1178.70	-1387.95	-87.49	0.00
240.00	-2442.83	-972.64	-1594.01	-123.82	0.00
250.00	-2371.26	-776.01	-1790.64	-195.39	0.00
260.00	-2266.64	-594.80	-1971.85	-300.01	0.00
270.00	-2132.14	-434.51	-2132.14	-434.51	0.00
280.00	-1971.85	-300.01	-2266.64	-594.80	0.00
290.00	-1790.64	-195.39	-2371.26	-776.01	0.00
300.00	-1594.01	-123.82	-2442.83	-972.64	0.00
310.00	-1387.95	-87.49	-2479.16	-1178.70	0.00
320.00	-1178.70	-87.49	-2479.16	-1387.95	0.00
330.00	-972.64	-123.82	-2442.83	-1594.01	0.00
340.00	-776.01	-195.39	-2371.26	-1790.64	0.00
350.00	-594.80	-300.01	-2266.64	-1971.85	0.00
360.00	-434.51	-434.51	-2132.14	-2132.14	0.00



SUPPORT FORCES fo Maximum

CRANE: **LHM 550**
LOADCASE: **DYNAMIK excl. WIND Grab Op.**
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 °
-3860	**20778**	370.00
		-45.00

centre of supports

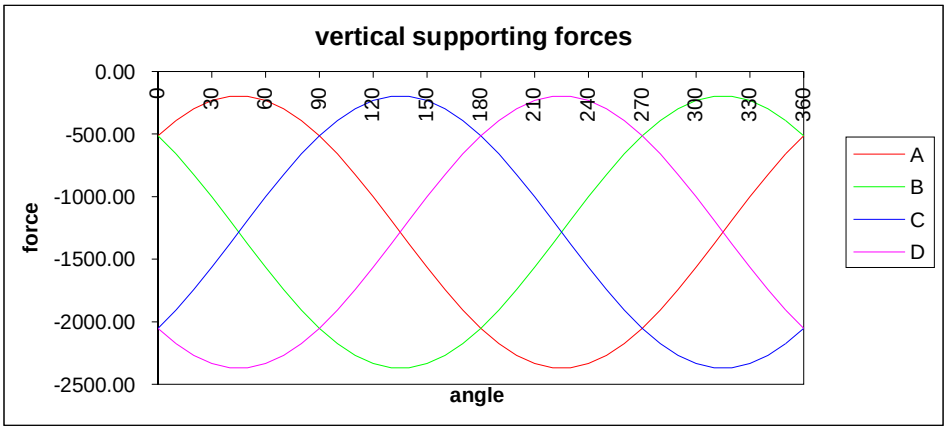
Fz	Mx	My
-1273	0	0

total load

-5133	14693	-14693

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

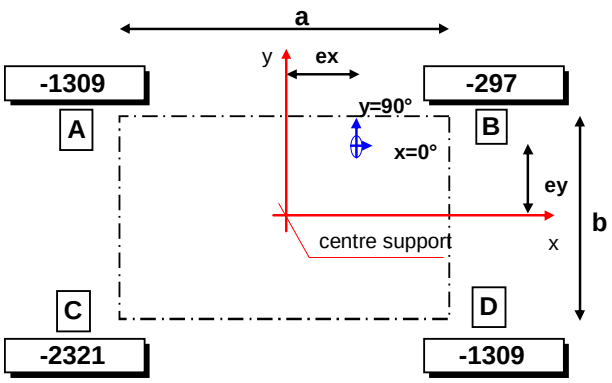
angle	A	B	C	D	Fhoriz.
Fangspeicher für Grafik					
factor	1.00	1.00	1.00	1.00	1.00
table of values					
0.00	-513.75	-513.75	-2052.90	-2052.90	0.00
10.00	-391.81	-659.08	-1907.57	-2174.84	0.00
20.00	-296.95	-823.37	-1743.28	-2269.70	0.00
30.00	-232.07	-1001.64	-1565.01	-2334.58	0.00
40.00	-199.12	-1188.47	-1378.18	-2367.53	0.00
50.00	-199.12	-1378.18	-1188.47	-2367.53	0.00
60.00	-232.07	-1565.01	-1001.64	-2334.58	0.00
70.00	-296.95	-1743.28	-823.37	-2269.70	0.00
80.00	-391.81	-1907.57	-659.08	-2174.84	0.00
90.00	-513.75	-2052.90	-513.75	-2052.90	0.00
100.00	-659.08	-2174.84	-391.81	-1907.57	0.00
110.00	-823.37	-2269.70	-296.95	-1743.28	0.00
120.00	-1001.64	-2334.58	-232.07	-1565.01	0.00
130.00	-1188.47	-2367.53	-199.12	-1378.18	0.00
140.00	-1378.18	-2367.53	-199.12	-1188.47	0.00
150.00	-1565.01	-2334.58	-232.07	-1001.64	0.00
160.00	-1743.28	-2269.70	-296.95	-823.37	0.00
170.00	-1907.57	-2174.84	-391.81	-659.08	0.00
180.00	-2052.90	-2052.90	-513.75	-513.75	0.00
190.00	-2174.84	-1907.57	-659.08	-391.81	0.00
200.00	-2269.70	-1743.28	-823.37	-296.95	0.00
210.00	-2334.58	-1565.01	-1001.64	-232.07	0.00
220.00	-2367.53	-1378.18	-1188.47	-199.12	0.00
230.00	-2367.53	-1188.47	-1378.18	-199.12	0.00
240.00	-2334.58	-1001.64	-1565.01	-232.07	0.00
250.00	-2269.70	-823.37	-1743.28	-296.95	0.00
260.00	-2174.84	-659.08	-1907.57	-391.81	0.00
270.00	-2052.90	-513.75	-2052.90	-513.75	0.00
280.00	-1907.57	-391.81	-2174.84	-659.08	0.00
290.00	-1743.28	-296.95	-2269.70	-823.37	0.00
300.00	-1565.01	-232.07	-2334.58	-1001.64	0.00
310.00	-1378.18	-199.12	-2367.53	-1188.47	0.00
320.00	-1188.47	-199.12	-2367.53	-1378.18	0.00
330.00	-1001.64	-232.07	-2334.58	-1565.01	0.00
340.00	-823.37	-296.95	-2269.70	-1743.28	0.00
350.00	-659.08	-391.81	-2174.84	-1907.57	0.00
360.00	-513.75	-513.75	-2052.90	-2052.90	0.00



SUPPORT FORCES fo Maximum

CRANE: **LHM 550**
LOADCASE: **STATIK incl. WIND** **Grab Op.**
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 °
-3962	**19322**	370.00
		-45.00

centre of supports

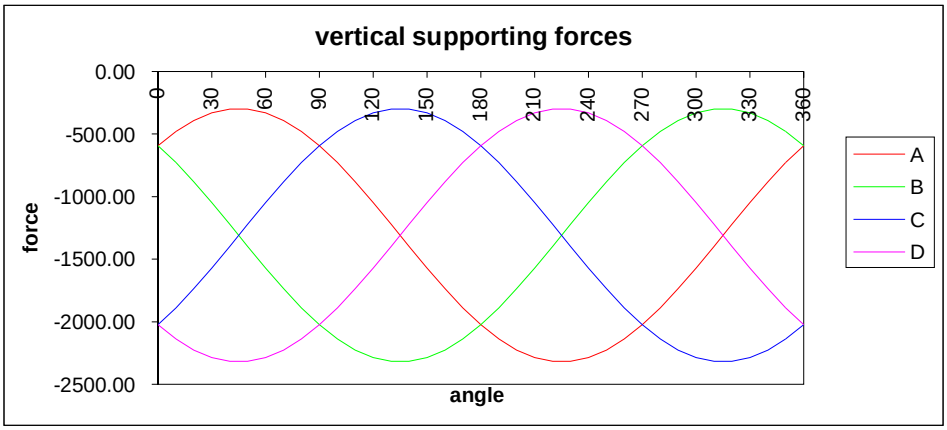
Fz	Mx	My
-1273	0	0

total load

-5235	13663	-13663

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	-593.08	-593.08	-2024.37	-2024.37	0.00
10.00	-479.68	-728.22	-1889.23	-2137.77	0.00
20.00	-391.47	-881.00	-1736.45	-2225.98	0.00
30.00	-331.14	-1046.78	-1570.67	-2286.31	0.00
40.00	-300.50	-1220.52	-1396.93	-2316.95	0.00
50.00	-300.50	-1396.93	-1220.52	-2316.95	0.00
60.00	-331.14	-1570.67	-1046.78	-2286.31	0.00
70.00	-391.47	-1736.45	-881.00	-2225.98	0.00
80.00	-479.68	-1889.23	-728.22	-2137.77	0.00
90.00	-593.08	-2024.37	-593.08	-2024.37	0.00
100.00	-728.22	-2137.77	-479.68	-1889.23	0.00
110.00	-881.00	-2225.98	-391.47	-1736.45	0.00
120.00	-1046.78	-2286.31	-331.14	-1570.67	0.00
130.00	-1220.52	-2316.95	-300.50	-1396.93	0.00
140.00	-1396.93	-2316.95	-300.50	-1220.52	0.00
150.00	-1570.67	-2286.31	-331.14	-1046.78	0.00
160.00	-1736.45	-2225.98	-391.47	-881.00	0.00
170.00	-1889.23	-2137.77	-479.68	-728.22	0.00
180.00	-2024.37	-2024.37	-593.08	-593.08	0.00
190.00	-2137.77	-1889.23	-728.22	-479.68	0.00
200.00	-2225.98	-1736.45	-881.00	-391.47	0.00
210.00	-2286.31	-1570.67	-1046.78	-331.14	0.00
220.00	-2316.95	-1396.93	-1220.52	-300.50	0.00
230.00	-2316.95	-1220.52	-1396.93	-300.50	0.00
240.00	-2286.31	-1046.78	-1570.67	-331.14	0.00
250.00	-2225.98	-881.00	-1736.45	-391.47	0.00
260.00	-2137.77	-728.22	-1889.23	-479.68	0.00
270.00	-2024.37	-593.08	-2024.37	-593.08	0.00
280.00	-1889.23	-479.68	-2137.77	-728.22	0.00
290.00	-1736.45	-391.47	-2225.98	-881.00	0.00
300.00	-1570.67	-331.14	-2286.31	-1046.78	0.00
310.00	-1396.93	-300.50	-2316.95	-1220.52	0.00
320.00	-1220.52	-300.50	-2316.95	-1396.93	0.00
330.00	-1046.78	-331.14	-2286.31	-1570.67	0.00
340.00	-881.00	-391.47	-2225.98	-1736.45	0.00
350.00	-728.22	-479.68	-2137.77	-1889.23	0.00
360.00	-593.08	-593.08	-2024.37	-2024.37	0.00

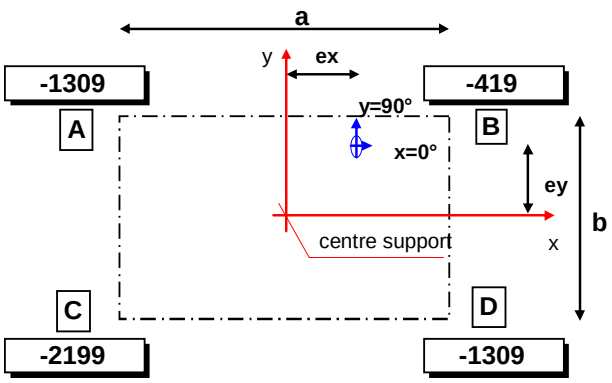


SUPPORT FORCES fo Maximum **CRANE:** **LHM 550**

LOADCASE: **STATIK excl. WIND** **Grab Op.**

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 °
-3962	**16993**	370.00
		-45.00

centre of supports

Fz	Mx	My
-1273	0	0

total load

-5235	12016	-12016

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	-679.34	-679.34	-1938.11	-1938.11	0.00
10.00	-579.61	-798.19	-1819.26	-2037.84	0.00
20.00	-502.03	-932.56	-1684.89	-2115.42	0.00
30.00	-448.97	-1078.35	-1539.10	-2168.48	0.00
40.00	-422.03	-1231.15	-1386.30	-2195.42	0.00
50.00	-422.03	-1386.30	-1231.15	-2195.42	0.00
60.00	-448.97	-1539.10	-1078.35	-2168.48	0.00
70.00	-502.03	-1684.89	-932.56	-2115.42	0.00
80.00	-579.61	-1819.26	-798.19	-2037.84	0.00
90.00	-679.34	-1938.11	-679.34	-1938.11	0.00
100.00	-798.19	-2037.84	-579.61	-1819.26	0.00
110.00	-932.56	-2115.42	-502.03	-1684.89	0.00
120.00	-1078.35	-2168.48	-448.97	-1539.10	0.00
130.00	-1231.15	-2195.42	-422.03	-1386.30	0.00
140.00	-1386.30	-2195.42	-422.03	-1231.15	0.00
150.00	-1539.10	-2168.48	-448.97	-1078.35	0.00
160.00	-1684.89	-2115.42	-502.03	-932.56	0.00
170.00	-1819.26	-2037.84	-579.61	-798.19	0.00
180.00	-1938.11	-1938.11	-679.34	-679.34	0.00
190.00	-2037.84	-1819.26	-798.19	-579.61	0.00
200.00	-2115.42	-1684.89	-932.56	-502.03	0.00
210.00	-2168.48	-1539.10	-1078.35	-448.97	0.00
220.00	-2195.42	-1386.30	-1231.15	-422.03	0.00
230.00	-2195.42	-1231.15	-1386.30	-422.03	0.00
240.00	-2168.48	-1078.35	-1539.10	-448.97	0.00
250.00	-2115.42	-932.56	-1684.89	-502.03	0.00
260.00	-2037.84	-798.19	-1819.26	-579.61	0.00
270.00	-1938.11	-679.34	-1938.11	-679.34	0.00
280.00	-1819.26	-579.61	-2037.84	-798.19	0.00
290.00	-1684.89	-502.03	-2115.42	-932.56	0.00
300.00	-1539.10	-448.97	-2168.48	-1078.35	0.00
310.00	-1386.30	-422.03	-2195.42	-1231.15	0.00
320.00	-1231.15	-422.03	-2195.42	-1386.30	0.00
330.00	-1078.35	-448.97	-2168.48	-1539.10	0.00
340.00	-932.56	-502.03	-2115.42	-1684.89	0.00
350.00	-798.19	-579.61	-2037.84	-1819.26	0.00
360.00	-679.34	-679.34	-1938.11	-1938.11	0.00

