



PLANTA DE CARGAS

Escala 1:100

Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (tf)	Carga Mín. (tf)	Pilar		My Máximo (kgf.m)		Fx Máximo (tf)		Fy Máximo (tf)	
						Positivo	Negativo	Positivo	Negativo	Positivo	Negativo	Positivo	Negativo
P1	20x45	22.50	4220.00	11.2	9.5	0	-100	200	-1300	0.0	-1.8	0.5	0.0
P2	20x45	707.50	4220.00	27.7	21.3	0	-300	100	-1600	0.0	-1.4	0.6	0.0
P3	20x45	1688.50	4220.00	25.3	18.9	0	-300	800	-800	3.0	0.0	0.5	0.0
P4	20x45	2138.50	4220.00	23.4	19.4	0	-300	700	-1100	0.0	-3.0	0.6	0.0
P5	20x45	3107.50	4220.00	18.5	15.4	0	-100	1600	0	2.2	0.0	0.3	0.0
P6	20x45	10.00	3835.50	25.8	21.3	0	-400	0	-300	0.0	-0.4	0.3	0.0
P7	20x45	720.00	3835.50	73.7	55.6	0	-600	0	-500	0.0	-2.2	0.1	-0.3
P8	25x45	1688.50	3835.50	61.0	44.9	0	-600	600	0	2.2	0.0	0.5	0.0
P9	15x30	1925.50	3843.00	4.0	3.5	600	0	100	-200	0.2	0.0	0.0	-0.7
P10	25x50	2153.50	3748.00	78.0	63.8	0	-1800	700	-300	4.6	0.0	3.4	0.0
P11	25x50	3117.50	3750.50	39.4	31.8	200	-400	700	0	0.0	-3.5	0.4	0.0
P12	20x45	10.00	3292.25	27.2	22.3	100	-100	0	-400	0.6	-0.1	0.0	-0.2
P13	20x45	720.00	3292.50	72.1	55.1	100	-300	0	-400	0.0	-1.6	0.4	0.0
P14	20x45	1701.00	3292.50	60.8	46.7	500	0	400	0	0.6	-0.2	0.0	-1.7
P15	25x45	3117.50	3292.50	37.5	30.8	100	-500	1600	0	3.1	0.0	0.6	0.0
P16	25x45	952.50	2963.50	17.7	14.6	0	-600	800	-2000	1.5	-1.2	0.4	-0.5
P17	20x45	1264.50	2961.00	6.2	4.2	200	-200	800	-1400	0.5	-1.6	0.1	-0.3
P18	20x45	1701.00	2973.50	10.1	8.9	400	0	200	-300	0.2	-1.1	1.0	0.0
P19	20x45	2151.00	2973.50	58.2	46.5	200	-300	400	0	1.4	-0.1	0.0	-1.5
P20	20x45	3120.00	2973.50	21.4	17.8	100	-500	600	0	0.9	-0.2	0.0	-0.6
P21	20x45	940.00	2808.50	11.2	5.8	0	-1500	200	-300	0.0	-0.1	2.9	0.0
P22	20x45	1277.00	2808.50	7.6	0.1	0	-2200	200	-500	0.2	-0.2	2.8	0.0
P23	20x45	10.00	2755.00	24.9	20.3	200	0	0	-300	0.7	-0.1	0.4	0.0
P24	20x45	720.00	2755.00	42.5	34.0	300	0	0	-500	0.0	-1.6	0.6	0.0
P25	20x35	1117.25	2796.00	19.4	9.8	0	-2200	500	-800	0.0	-0.7	3.1	0.0
P26	20x45	2163.50	2692.50	36.5	30.6	0	-100	0	-2200	1.6	0.0	0.4	0.0
P27	20x45	3120.00	2692.50	22.7	19.2	0	-400	100	-400	0.0	-1.6	0.5	0.0
P28	20x45	10.00	2360.00	24.6	20.8	200	-200	200	-100	1.3	0.0	0.1	-0.2
P29	20x45	2200.00	2360.00	42.7	35.4	300	0	0	-500	0.0	-2.5	0.0	-0.5
P30	20x45	2151.00	2392.50	32.3	28.8	0	-300	400	0	2.3	0.0	0.7	0.0
P31	20x45	2622.50	2280.00	33.2	27.4	0	-200	0	-1500	0.0	-1.7	0.3	0.0
P32	20x45	3120.00	2292.50	17.2	14.7	0	-500	100	-200	0.1	-0.4	0.7	0.0
P33	20x45	10.00	1885.00	26.9	22.6	200	-200	200	-200	1.8	0.0	0.0	-0.4
P34	20x45	720.00	1885.00	42.8	35.2	200	-200	0	-400	0.0	-2.2	0.0	-0.5
P35	15x35	937.50	1934.50	6.5	4.4	100	-200	100	-200	0.1	-0.2	0.0	-0.6
P36	15x35	1116.00	1934.50	9.7	6.1	1000	0	200	-300	0.2	-0.3	0.0	-1.9
P37	15x35	1279.50	1934.50	6.6	3.5	1700	0	200	-300	0.2	-0.3	0.0	-3.5
P38	20x45	2151.00	1892.50	35.2	30.0	200	-100	400	0	2.2	0.0	0.0	-0.4
P39	20x45	2622.50	1905.00	26.8	23.2	100	0	0	-1400	0.0	-1.8	0.1	-0.1
P40	20x45	3120.00	1892.50	15.2	13.2	100	-300	200	-200	0.2	-0.4	0.2	-0.3
P41	15x35	937.50	1804.50	5.8	4.4	100	-100	100	-200	0.1	-0.2	0.5	0.0
P42	15x35	1116.00	1804.50	9.2	5.8	0	-1400	200	-300	0.2	-0.2	2.3	0.0
P43	15x35	1279.50	1804.50	3.9	0.9	0	-2000	200	-300	0.2	-0.2	4.0	0.0
P44	20x45	2151.00	1522.50	24.4	19.5	200	-200	500	0	2.5	0.0	0.4	-0.1
P45	20x45	2622.50	1535.00	25.9	22.1	100	-200	100	-1200	0.0	-2.4	0.2	-0.1
P46	20x45	3120.00	1522.50	13.1	11.3	0	-600	200	-300	0.4	-0.2	1.0	0.0
P47	20x45	10.00	1417.50	23.5	19.1	100	-200	100	-100	0.7	0.0	0.2	0.0
P48	20x45	720.00	1417.50	40.3	32.4	100	-100	0	-500	0.0	-1.7	0.5	0.0
P49	20x45	2151.00	1297.50	22.8	18.7	100	-300	400	0	2.4	0.0	0.4	0.0
P50	20x45	2610.00	1272.50	25.4	21.3	200	-300	0	-500	0.0	-1.5	0.0	-0.4
P51	20x45	3120.00	1287.00	17.2	14.5	0	-400	100	-400	0.0	-0.7	0.2	-0.1
P52	20x45	10.00	1065.00	20.3	16.6	100	-100	100	-200	0.5	-0.4	0.1	-0.3
P53	20x45	720.00	1065.00	32.4	26.6	100	-100	100	-200	0.4	-0.8	0.1	-0.3
P54	15x30	2285.00	1062.49	8.2	6.2	0	0	0	-900	0.0	-1.0	0.1	0.0
P55	15x40	937.50	941.50	9.1	6.1	600	0	400	-300	1.1	-0.9	0.0	-0.4
P56	15x35	1116.00	939.00	11.2	6.7	2200	-800	300	-300	0.7	-0.9	0.0	-8.2
P57	15x35	1279.50	939.00	6.3	4.6	2900	0	300	-300	0.7	-0.9	0.0	-11.7
P58	20x45	2163.50	877.47	40.1	32.8	0	-400	1100	-1000	3.7	0.0	0.8	0.0
P59	20x45	2610.00	892.47	18.2	15.1	200	-300	100	-600	0.0	-1.7	0.3	0.0
P60	20x45	10.00	712.50	20.3	16.6	100	-100	0	-400	0.2	-0.6	0.2	0.0
P61	20x45	720.00	712.50	39.8	32.2	100	-300	0	-300	0.0	-1.0	0.2	0.0
P62	20x45	1392.50	710.00	32.5	26.8	100	-200	600	-900	0.6	-0.4	0.1	-0.2
P63	20x45	1792.50	710.00	39.1	31.9	100	0	500	-900	0.3	-0.8	0.2	-0.2
P64	20x45	2622.50	710.00	44.3	36.6	100	-200	800	-700	0.5	-0.3	0.3	0.0
P65	20x45	3120.00	697.50	22.9	19.9	100	-400	300	-200	0.7	0.0	0.2	-0.3
P66	20x45	10.00	360.00	21.3	17.4	100	-300	0	-400	0.0	-0.5	0.2	0.0
P67	20x45	720.00	360.00	44.3	35.5	100	-300	0	-400	0.0	-0.7	0.1	-0.3
P68	20x45	1392.50	360.00	29.7	23.9	100	-200	100	-300	0.2	-0.4	0.2	-0.1
P69	20x45	1792.50	248.50	23.5	15.1	300	0	0	-500	0.4	-0.6	0.3	-0.1
P70	20x45	2622.50	248.50	28.9	19.5	300	0	0	-400	0.1	-1.3	0.4	0.0
P71	20x45	3120.00	248.50	7.5	6.3	0	-500	100	-300	0.3	0.0	0.5	0.0
P72	20x45	22.50	10.00	11.6	9.8	100	0	400	-1100	0.0	-0.9	0.0	-0.3
P73	20x45	707.50	10.00	20.8	17.4	100	0	600	-900	0.3	-0.7	0.0	-0.1
P74	20x45	1392.50	10.00	15.7	13.2	100	0	700	-700	0.7	-0.7	0.1	-0.1
P75	20x45	1792.50	10.00	21.5	19.0	200	0	500	-900	0.3	-0.8	0.0	-0.5
P76	20x45	2622.50	10.00	24.4	22.0	200	0	800	-700	0.5	-0.3	0.0	-0.8
P77	20x45	3120.00	22.50	8.2	7.4	0	-300	300	-200	0.9	0.0	0.1	-0.2

Os esforços indicados nesta tabela são os valores máximos obtidos pela envoltória de todas as combinações definidas para as fundações. Para análises complementares, deve-se consultar o relatório de esforços na fundação, que apresenta os valores calculados para cada combinação.

Localção no eixo X	
Coordenadas (cm)	Nome
10.00	P6, P12, P23, P28, P33, P47, P52, P60, P66
22.50	P1, P72
707.50	P2, P73
720.00	P7, P13, P24, P29, P34, P48, P53, P61, P67
937.50	P35, P41, P55
940.00	P21
952.50	P16
1116.00	P36, P42, P56
1117.25	P25
1264.50	P17
1277.00	P22
1279.50	P37, P43, P57
1392.50	P62, P68, P74
1688.50	P3
1698.50	P8
1701.00	P14, P18
1792.50	P63, P69, P75
1925.50	P9
2138.50	P4
2151.00	P19, P30, P38, P44, P49
2153.50	P10
2163.50	P26, P58
2285.00	P54
2610.00	P50, P59
2622.50	P31, P39, P45, P64, P70, P76
3107.50	P5
3117.50	P11, P15
3120.00	P20, P27, P32, P40, P46, P51, P65, P71, P77

Localção no eixo Y	
Coordenadas (cm)	Nome
4220.00	P1, P2, P3, P4, P5
3843.00	P9
3835.50	P6, P7, P8
3750.50	P11
3748.00	P10
3292.50	P13, P14, P15
3292.25	P12
2973.50	P18, P19, P20
2963.50	P16
2961.00	P17
2808.50	P21, P22
2796.00	P25
2755.00	P23, P24
2692.50	P26, P27
2360.00	P28, P29
2292.50	P30, P32
2280.00	P31
1934.50	P35, P36, P37
1905.00	P39
1892.50	P38, P40
1885.00	P33, P34
1694.50	P41, P42, P43
1535.00	P45
1522.50	P44, P46
1417.50	P47, P48
1297.50	P49
1287.00	P51
1272.50	P50
1082.49	P54
1065.00	P52, P53
941.50	P55
939.00	P56, P57
892.47	P59
877.47	P58
712.50	P60, P61
710.00	P62, P63, P64
697.50	P65
360.00	P66, P67, P68
248.50	P69, P70, P71
22.50	P77
10.00	P72, P73, P74, P75, P76



INFORMAÇÕES DO DOCUMENTO

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