Cuadro 69: Estado de articulaciones, carga en dirección "x", eje 1, paso 30

Elemento	Tipo de articulación	No. de articulación	Localización	P (Kg)	V2 (Kg)	M2 (Kg-m)	M3 (Kg-m)	Desplazamiento x (m)	Desplazamiento y (m)	Desplazamiento z (m)	Giro x (radianes)	Giro y (radianes)	Giro z (radianes)	Tramo
1	COLUMNAS-PMM	1H1	0	-55,465.68	0.00	-1,071.35	98,317.13	**1.59E-03**	0.00E+00	0.00E+00	0.00E+00	**5.63E-03**	**5.63E-03**	**IO - SV**
1	COLUMNAS-PMM	1H2	1	-49,284.56	0.00	2,993.63	17,050.45	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
1	COLUMNAS-V2	1H3	0	0.00	39,561.28	0.00	0.00	0.00E+00	**2.50E-02**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**>E**
1	COLUMNAS-V2	1H4	1	0.00	39,561.28	0.00	0.00	0.00E+00	**2.50E-02**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**>E**
17	COLUMNAS-PMM	17H1	0	-131,377.21	0.00	-1,242.66	113,147.01	**6.70E-05**	0.00E+00	0.00E+00	0.00E+00	**3.24E-04**	**3.24E-04**	**B - IO**
17	COLUMNAS-PMM	17H2	1	-125,196.08	0.00	2,433.25	30,951.47	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
17	COLUMNAS-V2	17H3	0	0.00	39,621.41	0.00	0.00	0.00E+00	**2.50E-02**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**>E**
17	COLUMNAS-V2	17H4	1	0.00	39,621.41	0.00	0.00	0.00E+00	**2.50E-02**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**>E**
18	COLUMNAS-PMM	18H1	0	-98,675.33	0.00	-2,980.68	58,970.53	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
18	COLUMNAS-PMM	18H2	1	-93,377.23	0.00	3,024.46	28,561.69	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
18	COLUMNAS-V2	18H3	0	0.00	37,414.64	0.00	0.00	0.00E+00	**4.96E-03**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**B - IO**
18	COLUMNAS-V2	18H4	1	0.00	37,414.64	0.00	0.00	0.00E+00	**4.96E-03**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**B - IO**
19	COLUMNAS-PMM	19H1	0	-65,784.36	0.00	-2,701.97	26,009.73	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
19	COLUMNAS-PMM	19H2	1	-60,486.25	0.00	2,588.64	180.08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
19	COLUMNAS-V2	19H3	0	0.00	36,590.38	0.00	0.00	0.00E+00	**1.62E-03**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**B - IO**
19	COLUMNAS-V2	19H4	1	0.00	36,590.38	0.00	0.00	0.00E+00	**1.62E-03**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**B - IO**
33	COLUMNAS-PMM	33H1	0	-133,506.85	0.00	-1,242.40	112,496.04	**6.70E-05**	0.00E+00	0.00E+00	0.00E+00	**3.23E-04**	**3.23E-04**	**B - IO**
33	COLUMNAS-PMM	33H2	1	-127,325.73	0.00	2,424.34	30,518.21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
33	COLUMNAS-V2	33H3	0	0.00	39,490.24	0.00	0.00	0.00E+00	**2.50E-02**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**>E**
33	COLUMNAS-V2	33H4	1	0.00	39,490.24	0.00	0.00	0.00E+00	**2.50E-02**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**>E**
34	COLUMNAS-PMM	34H1	0	-99,354.21	0.00	-2,980.37	59,090.44	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
34	COLUMNAS-PMM	34H2	1	-94,056.10	0.00	3,014.03	28,445.07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
34	COLUMNAS-V2	34H3	0	0.00	37,521.12	0.00	0.00	0.00E+00	**5.00E-03**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**B - IO**
34	COLUMNAS-V2	34H4	1	0.00	37,521.12	0.00	0.00	0.00E+00	**5.00E-03**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**B - IO**
35	COLUMNAS-PMM	35H1	0	-65,898.03	0.00	-2,702.73	26,227.54	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
35	COLUMNAS-PMM	35H2	1	-60,599.92	0.00	2,583.70	-180.08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
35	COLUMNAS-V2	35H3	0	0.00	36,446.99	0.00	0.00	0.00E+00	**1.65E-03**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**B - IO**
35	COLUMNAS-V2	35H4	1	0.00	36,446.99	0.00	0.00	0.00E+00	**1.65E-03**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**B - IO**
49	COLUMNAS-PMM	49H1	0	-83,563.80	0.00	-1,067.86	114,280.42	**8.51E-04**	0.00E+00	0.00E+00	0.00E+00	**4.12E-03**	**4.12E-03**	**IO - SV**
49	COLUMNAS-PMM	49H2	1	-77,382.67	0.00	2,217.09	24,692.62	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
49	COLUMNAS-V2	49H3	0	0.00	39,528.02	0.00	0.00	0.00E+00	**2.50E-02**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**>E**
49	COLUMNAS-V2	49H4	1	0.00	39,528.02	0.00	0.00	0.00E+00	**2.50E-02**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**>E**
65	VIGAS-M3	65H1	0	0.00	0.00	0.00	36,471.99	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**6.05E-03**	**IO - SV**
65	VIGAS-M3	65H2	1	0.00	0.00	0.00	16,653.95	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
65	VIGAS-V2	65H3	0	0.00	805.86	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
65	VIGAS-V2	65H4	1	0.00	18,974.74	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**

Elemento	Tipo de articulación	No. de articulación	Localización	P (Kg)	V2 (Kg)	M2 (Kg-m)	M3 (Kg-m)	Desplazamiento x (m)	Desplazamiento y (m)	Desplazamiento z (m)	Giro x (radianes)	Giro y (radianes)	Giro z (radianes)	Tramo
66	VIGAS-M3	66H1	0	0.00	0.00	0.00	36,264.29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**4.87E-03**	**B - IO**
66	VIGAS-M3	66H2	1	0.00	0.00	0.00	19,618.73	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
66	VIGAS-V2	66H3	0	0.00	840.65	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
66	VIGAS-V2	66H4	1	0.00	19,009.53	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
67	VIGAS-M3	67H1	0	0.00	0.00	0.00	35,742.41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.92E-03**	**B - IO**
67	VIGAS-M3	67H2	1	0.00	0.00	0.00	3,990.42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
67	VIGAS-V2	67H3	0	0.00	742.69	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
67	VIGAS-V2	67H4	1	0.00	18,911.58	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
69	VIGAS-M3	69H1	0	0.00	0.00	0.00	35,609.28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.56E-03**	**B - IO**
69	VIGAS-M3	69H2	1	0.00	0.00	0.00	12,420.57	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
69	VIGAS-V2	69H3	0	0.00	726.89	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
69	VIGAS-V2	69H4	1	0.00	18,895.78	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
70	VIGAS-M3	70H1	0	0.00	0.00	0.00	35,623.34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**2.66E-03**	**B - IO**
70	VIGAS-M3	70H2	1	0.00	0.00	0.00	17,676.06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
70	VIGAS-V2	70H3	0	0.00	755.11	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
70	VIGAS-V2	70H4	1	0.00	18,923.99	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
71	VIGAS-M3	71H1	0	0.00	0.00	0.00	35,489.85	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.68E-03**	**B - IO**
71	VIGAS-M3	71H2	1	0.00	0.00	0.00	3,016.76	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
71	VIGAS-V2	71H3	0	0.00	713.68	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
71	VIGAS-V2	71H4	1	0.00	18,882.56	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
73	VIGAS-M3	73H1	0	0.00	0.00	0.00	35,726.13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.83E-03**	**B - IO**
73	VIGAS-M3	73H2	1	0.00	0.00	0.00	21,197.79	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
73	VIGAS-V2	73H3	0	0.00	802.26	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
73	VIGAS-V2	73H4	1	0.00	18,971.14	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
74	VIGAS-M3	74H1	0	0.00	0.00	0.00	35,905.45	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**2.84E-03**	**B - IO**
74	VIGAS-M3	74H2	1	0.00	0.00	0.00	22,520.48	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
74	VIGAS-V2	74H3	0	0.00	856.10	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
74	VIGAS-V2	74H4	1	0.00	19,024.98	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
75	VIGAS-M3	75H1	0	0.00	0.00	0.00	35,719.28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.79E-03**	**B - IO**
75	VIGAS-M3	75H2	1	0.00	0.00	0.00	6,220.38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
75	VIGAS-V2	75H3	0	0.00	760.44	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**
75	VIGAS-V2	75H4	1	0.00	18,929.33	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**A - B**