

HAKI Lattice Beam 750 Steel



The HAKI Lattice Beam 750 Steel is a further development of the HAKI Lattice Beam 750 AL and is designed to be able to handle greater loads.

Manufactured from high tensile steel, giving unique strength in relation to weight.

Completely modular, two shorter frames can replace one longer one.

Tube diameter 48.3 mm in the top and bottom tubes, verticals and diagonals.

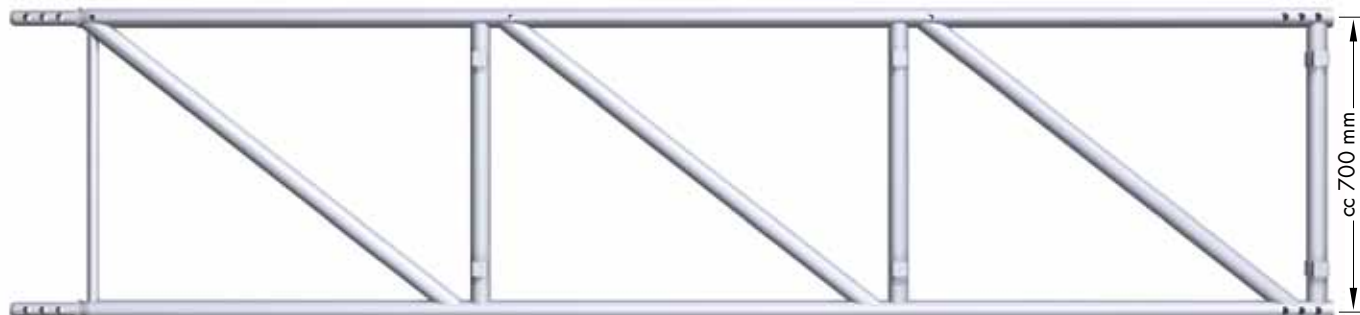
Frames prepared with holes for attachment of the HAKI Trak sheeting system.

- Greater loadbearing capacity
- Integrated jointing tubes
- Modular dimension 1 metre
- Symmetrical

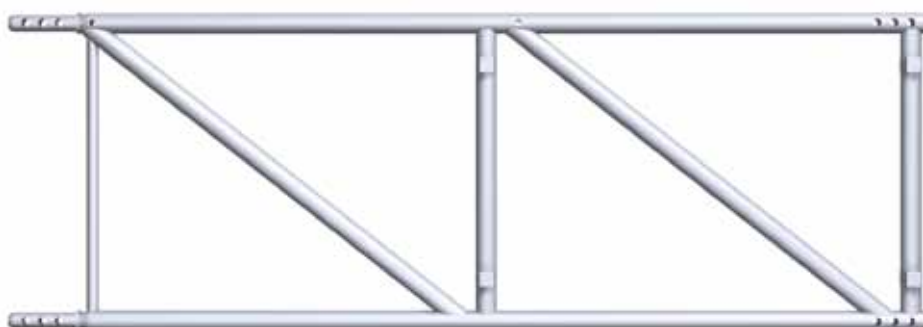
NOTE: The HAKI Lattice Beam 750 Steel cannot be used together with the HAKI Lattice Beam 750 AL. However, most of the fittings are compatible with it.

Components

7031300 Frame 750/3000 (36.8 kg)



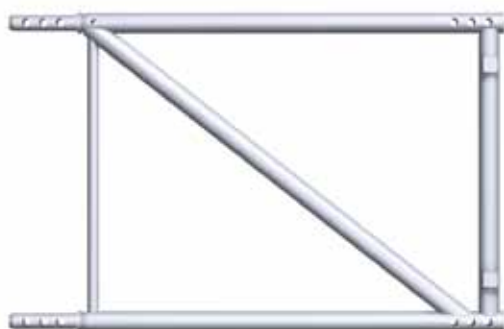
7031200 Frame 750/2000 (25.0 kg)



2116000 Spring clip 16 (0.2kg)



7031100 Frame 750/1000 (13.3 kg)



7203007 Connector 750 Steel (6.0 kg)
Effective dimension 500 mm



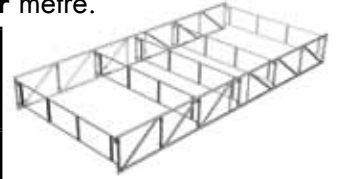
Permissible loads on HAKI Lattice Beam 750 Steel

The loads below apply when the lattice beam is used as scaffolding.

The frame must be braced against lateral instability every other or every metre, at the supports and at the three middle vertical tubes.

Guardrail frames GFL or GFLH are used as bracing.

The lattice beam braced against lateral instability as above and at **every other** metre.



Distance support L [m]	Q		q		P	P_3	P_4
	Permissible load q [kN/m]	Permissible distributed load Q [kN]	Permissible distributed load q on 0.4 L [kN/m]	Permissible centre point load P [kN]	Permissible point loads P_3 [kN]	Permissible point loads P_4 [kN]	
2.5	29.7	74.2	104.8	44.2	19.9	19.9	
3.5	23.8	83.2	70.3	40.6	18.3	19.1	
4.5	19.2	86.3	47.2	37.9	17.0	18.3	
5.5	15.6	85.8	32.3	35.6	15.9	17.5	
6.5	12.8	83.3	23.1	33.7	15.0	16.8	
7.5	10.6	79.5	17.6	31.9	14.3	16.1	
8.5	8.8	75.0	14.3	30.3	13.7	15.4	
9.5	7.4	69.8	12.2	28.7	13.2	14.7	
10.5	6.1	64.3	10.7	27.3	12.7	14.1	
11.5	5.1	58.3	9.2	26.0	12.2	13.6	
12.5	4.2	52.2	7.7	24.8	11.8	13.0	
13.5	3.4	46.1	6.2	23.8	11.4	12.5	
14.5	2.8	40.5	4.7	22.7	10.9	12.1	
15.5	2.3	35.7	4.2	21.7	10.6	11.7	
16.5	1.9	32.1	3.7	20.6	10.2	11.3	
17.5	1.7	29.8	3.1	19.5	9.9	11.0	
18.5	1.6	28.9	2.6	18.5	9.7	10.8	
19.5	1.5	28.9	2.5	18.2	9.6	10.6	
20.5	1.4	28.4	2.4	17.9	9.6	10.5	

1 kN = 100 kp

The lattice beam braced against lateral instability as above and at **every** metre.



Distance support L [m]	Q		q		P	P_3	P_4
	Permissible load q [kN/m]	Permissible distributed load Q [kN]	Permissible distributed load q on 0.4 L [kN/m]	Permissible centre point load P [kN]	Permissible point loads P_3 [kN]	Permissible point loads P_4 [kN]	
2.5	29.7	74.2	104.8	44.2	19.9	19.9	
3.5	23.0	80.4	66.3	41.0	18.3	19.1	
4.5	18.3	82.3	43.4	38.2	17.0	18.3	
5.5	15.1	82.9	30.3	35.8	15.9	17.5	
6.5	12.8	83.3	23.1	33.7	15.0	16.8	
7.5	11.2	84.1	18.9	31.9	14.3	16.1	
8.5	10.0	84.9	16.3	30.2	13.7	15.4	
9.5	9.0	85.2	14.3	28.7	13.2	14.7	
10.5	8.1	84.6	12.5	27.3	12.7	14.1	
11.5	7.2	82.7	10.8	26.0	12.2	13.6	
12.5	6.4	79.5	9.3	24.8	11.8	13.0	
13.5	5.6	75.0	8.1	23.7	11.4	12.5	
14.5	4.8	69.8	7.2	22.7	10.9	12.1	
15.5	4.2	64.4	6.5	21.9	10.6	11.7	
16.5	3.6	59.6	5.9	21.0	10.2	11.3	
17.5	3.2	55.7	5.3	20.2	9.9	11.0	
18.5	2.9	53.0	4.5	19.3	9.7	10.8	
19.5	2.6	50.8	3.8	18.6	9.6	10.6	
20.5	2.3	47.7	3.6	17.9	9.6	10.5	

NB.: Dispersion of point loads = 50 mm

1 kN = 100 kp

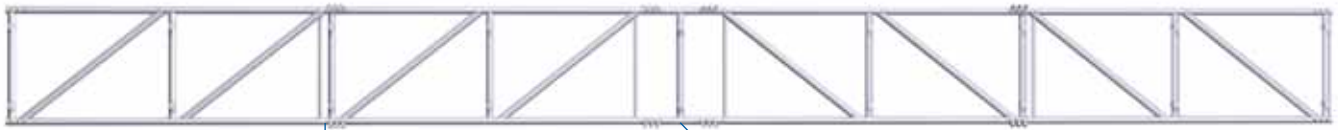
All load cases include the deadweight of the beam.

For loads at nodes, please contact HAKI's technical department.



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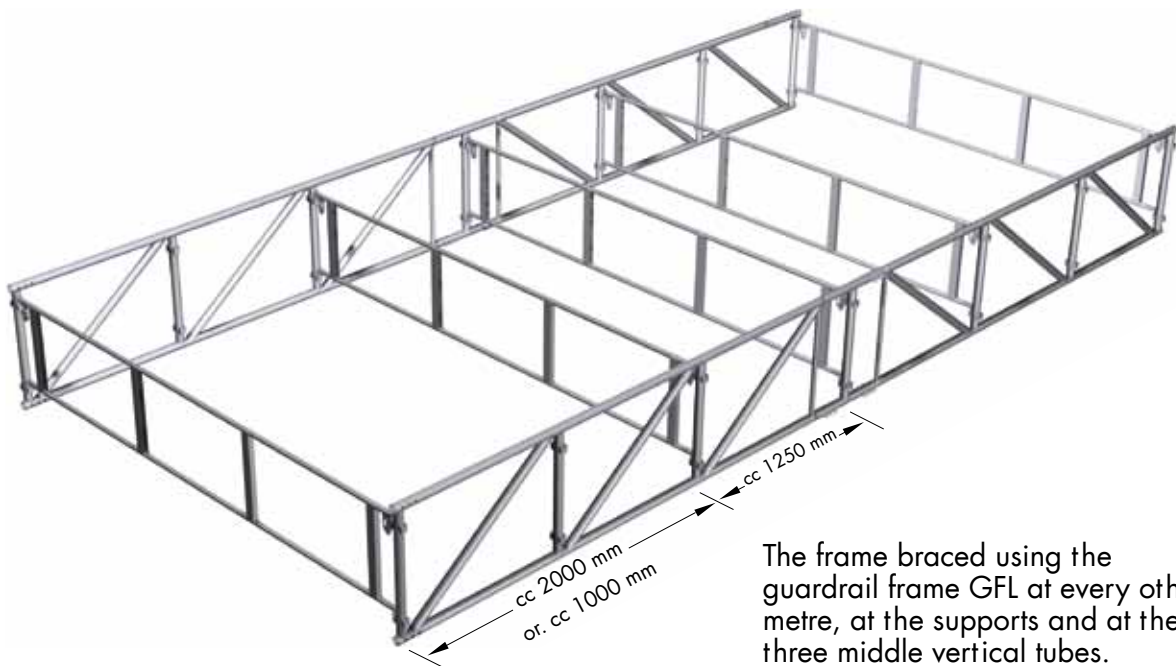
4 x **7031200** Frame 750/2000



Extension joint
6 x **2116000** Spring clip 16



Central joint
1 x **7203007** Connector 750 Steel
12 x **2116000** Spring clip 16



The frame braced using the guardrail frame GFL at every other metre, at the supports and at the three middle vertical tubes.

