

Weight comparison of SIN beam frames with various span

Note: This comparison is eligible for the weight assumption of price offers. An additional static calculation is necessary before the erection of building.

Snow load: 150 kg/m²

Basic wind pressure: 50 kg/m²

Eartquake load: 20% of dead load

Dead load roof cladding and roof purlins: 35 kg/m²

Dead load wall cladding and wall purlins: 20 kg/m²

Frame distance: 6,00m

Span [m]	Weight per frame [kg]	Figure
12,0	1057	
15,0	1251	
18,0	1531	

Span [m]	Weight per frame [kg]	Figure
20,0	1784	<p>Diagram of a 20m span frame. The roof consists of two gable sections labeled WTA 1000-200*10. The vertical columns are labeled WTA 625-250*12. The total width of the frame is 20000mm, with 625mm overhangs on both sides. The height of the frame is 5000mm.</p>
25,0	2757	<p>Diagram of a 25m span frame. The roof consists of two gable sections labeled WTB 1250-200*12. The vertical columns are labeled WTB 625-300*15. The total width of the frame is 25000mm, with 625mm overhangs on both sides. The height of the frame is 5000mm.</p>
30,0	4036	<p>Diagram of a 30m span frame. The roof consists of two gable sections labeled WTB 1500-220*12. The vertical columns are labeled WTB 625-350*20. The total width of the frame is 30000mm, with 625mm overhangs on both sides. The height of the frame is 5000mm.</p>
35,0	5328	<p>Diagram of a 35m span frame. The roof consists of two gable sections labeled WTB 1500-220*15. The vertical columns are labeled WTC 750-300*25. The total width of the frame is 35000mm, with 750mm overhangs on both sides. The height of the frame is 5000mm.</p>