



Minimises Out of Balance Rope Load



Results in comfortable passenger ride



Minimizes Power Consumption



Improves Load lifting capability

What is Compensating Chain?

A compensating chain is a welded-link or plastic coated chain used for compensating or balancing the weight of the hoisting ropes. One end of the chain is attached to the underside of the car frame and the other end is fastened to the counterweight sling, as shown in the diagram.

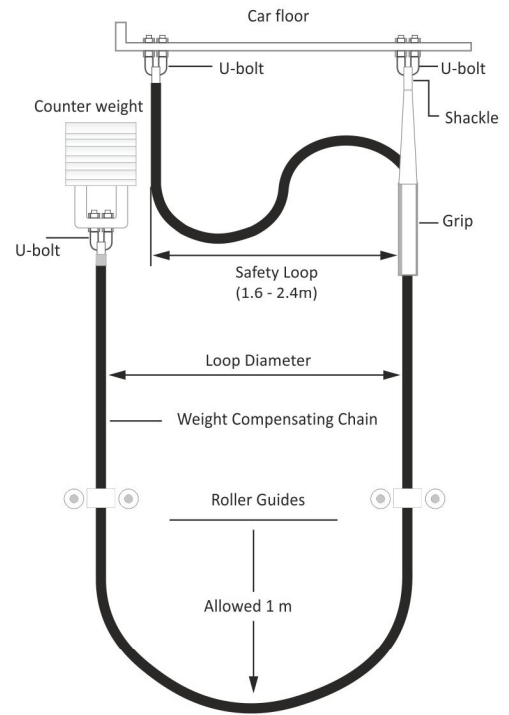
(The illustration is given only for reference and not exact arrangement. It may vary depending on the installation and the applicable rules and standards)

Why is compensating chain required?

Compensating chain is used to minimize, out of balance rope loads on the hoisting machine that could arise from the weight of suspension ropes and travelling cables. This allows loads on the machine to remain constant regardless of the car, and hence optimizes power consumption.

The car starts and stops more smoothly resulting in more comfortable ride.

Recommendation for selection of compensating Rope It is recommended to provide compensating chain for travel more than 20 meters.



Weight of Close- LINK HOISTING CHAIN	
Size	Weight (kg/m)
1/4"	1.12
5/16"	1.49
3/8"	2.24
7/16"	2.98
1/2"	3.73

SELECTION OF COMPENSATING CHAIN			
Rope Dia.(mm)	Weight (kg/m)	No. Of Ropes	Compensating Chain
8	0.222	4	1/4"
		6	5/16"
		8	3/8"
		10	3/8"
6	0.165	8	1/4"
		10	5/16"
		12	5/16"

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