



Do Not Compromise, Compensate.

- Minimises Out of Balance Rope Loads
- Minimises Power Consumption
- Results in Comfortable Passenger Ride
- Improves Load Lifting Capability

What is a Compensating Chain?

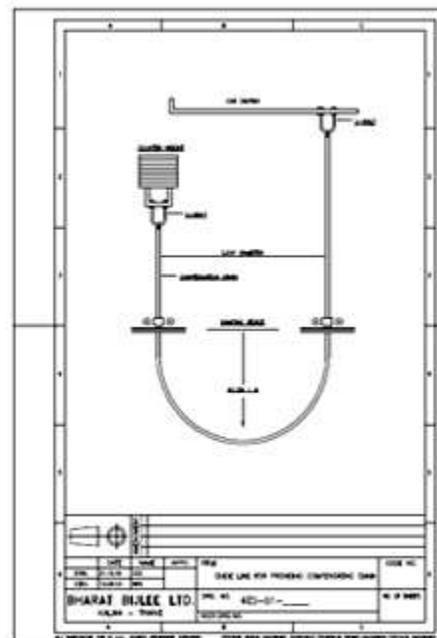
A Compensating Chain is a welded-link or plastic-coated chain used for compensating or balancing the weight of the hoisting ropes. One end of the chain is attached to the underside of the car frame, and the other end is fastened to the counterweight sling, as shown in the diagram. (The illustration is 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 minimise, 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 car position, and hence optimizes power consumption. The car starts and stops more smoothly resulting in a 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		SELECTION OF COMPENSATING CHAIN			
SIZE	WEIGHT (Kg/m)	ROPE DIA. (mm)	WEIGHT (Kg/m)	NO. OF ROPES	COMPENSATING CHAIN SIZE
1/4"	1.12	8	0.222	4	1/4"
5/16"	1.49			6	5/16"
3/8"	2.24			8	3/8"
7/16"	2.98			10	3/8"
1/2"	3.73	6	0.165	8	1/4"
				10	5/16"
				12	5/16"

Selection of compensating chain is based on weight of the chain & ropes given in table. It may vary with manufacture to manufacturer.

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