



Centrifugal Speed Limiter:

If RSP travelling (Up or Down) speed increased beyond the rated speed, this device gets activated and stops RSP operation. This device generally activates during free fall and brake failure conditions.



Over Hoist / Top Limit Switch:

Function of over hoist limit switch is to prevent the over run of the cradle and hitting the suspension mechanism. When the limit switch level touches upper end, power supply to electrical motor gets stopped.



Anti-Sway Restriction:

This mechanism avoids the swaying of RSP in the horizontal plane. A separate wire rope (Laid from building top to ground) will pass through the sway arrestor roller fitted on the platform. This will thrust the platform to remain in the horizontal plane without swaying action. The same shall be used as Fall Arrestor or separately provided as needed.



Electromagnetic Brake with manual release:

Hoist motor is provided with electromagnetic brake as primary holding device. Manual release mechanism shall help the cradle to be lowered to the ground level in case of power failure.



Anti-Tilting Cut off:

This is a protection system to ensure uniform loading across the platform. If the load is concentrated on one side, the platform will get tilted resulting in unsafe condition. This device gets actuated once the platform angle is tilted more than 4 Degrees and cuts off the power supply.



Over current protection thro' Relay (OLR):

This will be part of electrical control system. If the electrical motor draws beyond rated current due to overloading, this protection device will cut-off the electrical system.

We believe in higher safety,
faster work & higher productivity.



Locking arrangement for upper counter weights:

All the counter weights must be firmly placed on level ground and locked with lock & key arrangement to avoid unauthorised removal of counter weights.



Safety Belts:

We provide safety belts to workers with each RSP.



Overload Cut-off using Load cell and display (Manual / Digital):

Function of over load limit switch is to prevent the over loading of the cradle by alarming the operator. The load will be measured by electronic load cell fitted on the platform. A manual or digital display of the load is also compulsory.

Model Type		ZLP 1000	
Rated Load		1000 kg.	
Lifting Speed		8.2 m/min	
Max Lifting Height		100 Meter	
Dimension of platform (L*W*H)		(2.5m x 2 +1m+1.5m) x 0.76m x 1.45m	
Suspension mechanism	Front beam overhang	1.1 ~1.7 m	
	Adjustable Height	1.1~1.75 m	
Hoist	Model	LTD 10.0	
	Lifting force	10 KN	
	Motor	Power	1.8 KW
		Voltage	415 V, 50 HZ , 3 phase
		Rotation speed	1400 R/Min.
Brake Torque		15.2 Nm	
Safety lock	Type	Tilt proof safety lock	
	Locking cable angel	3-8 degree	
	Allowable impulsive force	30 KN	
Weight	Suspension platform including hoist, safety lock, electric control panel.	650 kg	
	Suspension mechanism	400 kg	
	Counterweight	1200 kg	
	Whole machine weight without steel wire rope & power cable	2250 kg	
Wire rope	Type	4X31SW+NF-10.2	
Platform type		Hot Dip Galvanized	

Our Valuable Customers



**ROPE SUSPENDED PLATFORM
ZLP 1000**



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Construction Equipment Engineering Company**

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