

Inspection Hoist Standards for Window Covering Industry

For Single and Dual column Hoists

Standard No.: CI-HS-101-2013 REV.A

SPECIFICATIONS:

1. An inspection hoist must have the following components and safety features as a minimum:
2. The base or floor attachment should very strong and stable, with X and Y axis level adjustments and with mounted X and Y level indicators.
3. The main column should be manufactured with materials to support 3 times the maximum allowed weights; the column should be anchored to the wall/ceiling for safety.
4. The lifting bar should be made of light but strong materials, and should not deflect under maximum load allowed for such hoist (maximum deflection allowed 1%). The lifting bar level should be adjustable with level indicators.
5. The hoist should be equipped with a vertical reference system. The level should be adjustable with level indicators.
6. The hoist should be equipped with a horizontal reference system. The level should be adjustable with level indicators and should be able to be folded down.
7. The gearmotor should have a failsafe breaking system that won't let the bar drop down in case of power failure. The gearmotor should have an internal shut-off in case of an overload that could cause personnel injuries or damage the equipment.
8. The lifting mechanism should have a dual electrical/mechanical adjustable safety system that will shut off the hoist in case of jamming.
9. The hoist should have an alarm system that warns others that the equipment is in operational mode.
10. The lifting bar should have warning strips at each end (black/yellow) to prevent people from walking into the lifting bar.
11. The equipment should be operated by the operator via dual-foot or console control and have a handheld remote control unit as optional feature.
12. All PLC control systems should have internet/ethernet communication ports.
13. The equipment should be built with top-grade and approved components and materials (UL, CA etc.).
14. The equipment should have a minimum factory warranty of 36 months with extended warranty as an option.
15. Installation, start-up, certification and operation training by factory should be offered to customer as an option.