

Lock-N-Load®

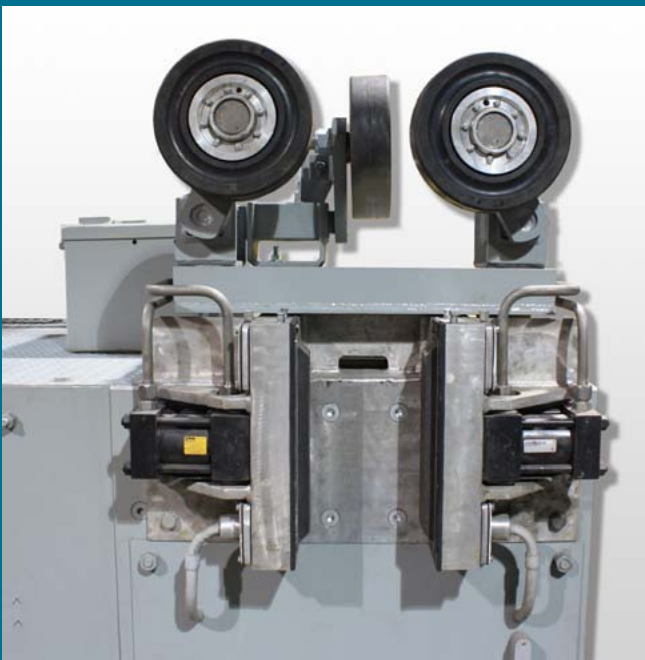
Cage Chairing

Holds cage steady during load transfer

- Fast clamping time (under one second)
- Advanced technology, lightweight hydraulic clamps (95 kg each)
- Battery powered – no external power source required
- Interlocked with hoist controls to prevent inadvertent activation or release



Cage with clamps



Lock-N-Load clamp



Underground Station Control Panel

Lock-N-Load® systems utilize the very latest technology to help improve safety and productivity when loading/off-loading cages. Very fast clamping times (under one second) provide for rapid loading of material. The ultra lightweight clamps minimize total system weight. Proportional control valves provide for a controlled clamp release on system deactivation as the conveyance takes up the resultant rope stretch. No external power source is required. Battery life in excess of 100 cycles expected under normal use.

ECAT Emergency Conveyance Arresting Technology

Safely arrests cage after rope severance or slack rope condition

- Replaces outdated "safety dogs"
- Operates with steel shaft guides
- Deceleration complies with Ontario OHS 232(8)
- A single combined charring and arresting system provides significant weight saving

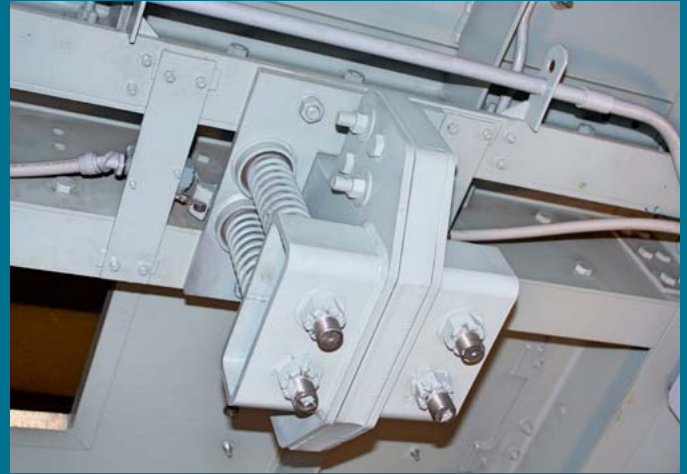
Using proven technology, the ECAT system has been designed to operate as simply as possible while providing an effective measure of protection in arresting the fall of a cage after rope severance.

Deceleration rates provided are tolerable to the human body and comply to Ontario OHS regulations. The system has been comprehensively tested.

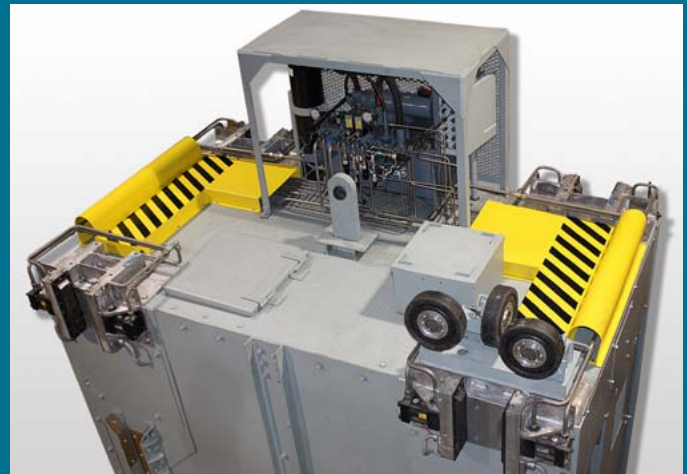
Rope severance is detected by a limit switch located in the drawbar, which triggers activation of the ECAT, and allows hydraulic pressure to be released from the accumulators to the hydraulic clamps.

Built-in redundancy includes:

- Two times clamp capacity safety factor
- Two independent hydraulic circuits
- Two (primary and secondary) fall arrest activation switches



ECAT activation mechanism



Top of cage

wabi
Reputation Earned

Wabi Iron & Steel Corp.
Head Office and Manufacturing Facility:
330 Broadwood Ave.
New Liskeard ON Canada P0J 1P0

Tel: 705.647.4383
Fax: 705.647.6954
E-mail: sales@wabicorp.com
Web: wabicorp.com



ISO 9001
REGISTERED



Professional Engineers
Ontario