



YaleERGO 360® UT

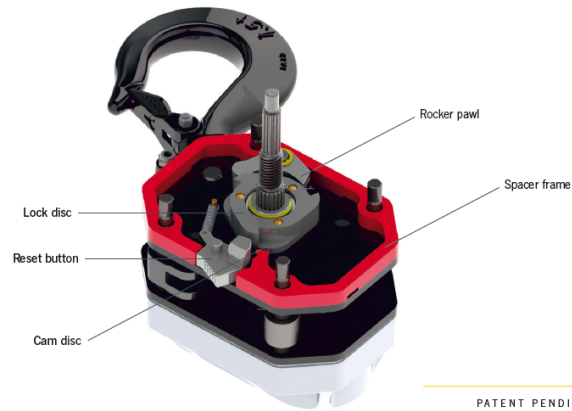
Safety Gear general information

October 7th, 2020

YaleERGO 360® UT

Ratchet lever hoist with Safety Gear - SAFETY WITH DYNAMIC LOADS

STRUCTURE & FUNCTIONALITY OF THE AUTOMATIC SAFETY GEAR



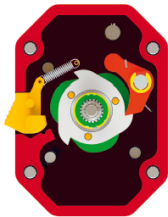
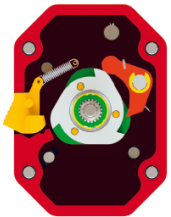
PATENT PENDING
AUTOMATICALLY ACTING SAFETY GEAR
DESIGNED FOR OPTIMAL EFFICIENCY & SAFETY

FUNCTION: NORMAL OPERATION

Speed < 0.5 m/s
The rocker pawl moves continuously along the contours of the cam disc and lock disc.

FUNCTION ABSORPTION

Speed > 0.5 m/s
As soon as the speed exceeds 0.5 m/s, the rocker pawl engages the lock disc and safely absorbs the load.



Applicable safety standards:

Hoist according
EN 13157
Cranes - Safety



Safety Gear

In accordance with EN 1808 -
Safety requirements for suspended
access equipment, 8.9.2

Requirements:

- Shall automatically engage in the event of overspeed (more than 0.5 m/s)
- The stopping distance must not exceed 500 mm
- Shall be capable of being reset
- Shall be capable of being tested
- Shall permit lifting at any time

In any cases the load is caught exceeding a speed of 0.5 m/s. Speeds below 0.5 m/s (corresponds to 2 km/h) are not safety relevant according to EN 1808.

Examples of work with dynamic loads



Overhead line construction



Aerial construction



Construction of contact lines



Positioning work with dynamic loads



Cable car construction

For External Use!

