YALE ERGO 360° UT – UTILITY!

OUR SAFEST HAND LEVER HOIST WITH **PATENTED SAFETY GEAR** AND A **CAPACITY OF 1500 - 9000 KG.**

Positioning loads is an everyday application for which hoists with a load pressure brake are particularly suitable, as the load can be positioned extremely precisely with these devices. Under certain conditions, such applications can lead to shifts in the center of gravity and oscillation of the load, for example, which can cause the load pressure brake to fail in borderline cases. This can also happen due to extreme corrosion or excessive oiling of the brake.
To ensure maximum safety here, we have also equipped the YaleERGO 360 UT with a patented safety gear that we have developed ourselves. This safety gear is designed to intervene precisely when the load pressure brake fails - for example for the reasons mentioned above. This means that the YaleERGO 360 UT guarantees controlled handling and additional safety even in adverse conditions, especially in applications that are very demanding for a hoist.
This safety gear is the "belt" that safely prevents the load from passing through. If you also use our chain stopper, which has been tested for this application, it acts as a "suspender".

RISKS ASSOCIATED WITH THE USE OF STANDARD LIFTING EQUIPMENT!

Here are some examples of what can cause a device to fail!



Destroyed ratchet disk





Destroyed brake disk



Overgreasing



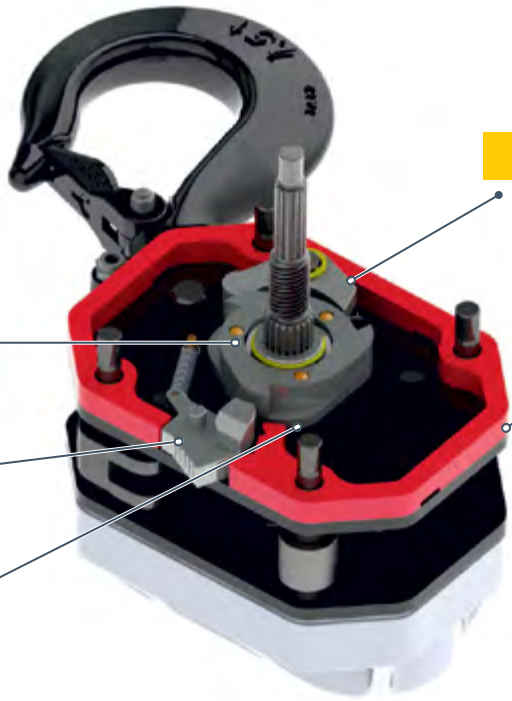
Corrosion

Different load cases require different safety concepts!

Load cases / Catch function	Static load	Cyclic load	Pulsating load	Impact load	Time status
Standard hoits	✓	✗	✗	✗	✗
Standard hoist plus chain stop	✓	✓	✓	✓	✓
YaleERGO 360 UT with integrated safety gear	✓	✓	✓	✓	✓

THE BEST SECURITY CONCEPT

STRUCTURE & FUNCTIONALITY OF THE AUTOMATIC SAFETY GEAR





Option: Chain stop

PATENTED

AUTOMATICALLY ACTING SAFETY GEAR

DESIGNED FOR OPTIMAL EFFICIENCY & SAFETY

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

REQUIREMENTS FOR THE REDUNDANT SAFETY GEAR	FUNCTION: NORMAL OPERATION	FUNCTION: ABSORPTION
In accordance with EN 1808 - Safety requirements for suspended access equipment, 8.9.2	Speed < 0.5 m/s	Speed > 0.5 m/s
• 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	The rocker pawl moves continuously along the contours of the cam disc and lock disc. 	As soon as the speed exceeds 0.5 m/s, the rocker pawl engages the lock disc and safely absorbs the load. 

INDIVIDUAL RISK ASSESSMENT!

We will work with you to carry out a risk assessment and discuss the next steps for your individual application. Feel free to contact us, click here to find your local contact person.

www.cmco.com

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Columbus McKinnon EMEA GmbH – Yale-Allee 30 – 42329 Wuppertal – GERMANY