Also available as load limiter
And top limit switch combination

Load Limiter

- Load limiter for overhead cranes and hoists
- Quick and easy installation
- Available for all capacity cranes
- Specialised limiters available for heavy duty applications
- Can be configured to detect slack rope conditions
- Available preset or easily calibrated on site
- Automatic reset by reducing the load
- Protects against overloading of crane and supporting structures
- Prevents accidents ensuring safer working conditions
- Reduces maintenance costs
- Minimizes down time

SAFETY · RELIABILITY · ACCURACY

Pat. No.: 89/7578

SELECTION OF THE OVERLOAD PROTECTOR

Information required for the selection of the correct unit:

1) SAFE WORKING LOAD OF CRANE
2) NUMBER OF ROPE FALLS
3) DIAMETER OF ROPE
4) TYPE OF ROPE -STANDARD OR NON SPIN
5) GENERAL- *EXCESSIVE WEIGHT ON HOOK CONFIGURATION*

SPECIFICATION

BODY

Models LLL18, LLL28, LLL45, LLL60, LLL80, LLL150 and LLL200:
Cast from high grade LM4 aluminium with high proof and tensile strength with excellent machining properties.

DISC SPRINGS

To German standards DIN2093 and 2092. This allows for repeatability of set point of within 1%.

DIMENSIONS

A compact load cell that when fitted does not affect the height of lift.

GUIDES

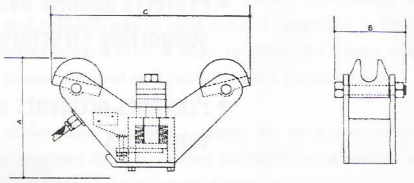
Cast from LM4 aluminium. Guides provide a higher degree of accuracy due to the increased contact surface between the guides and crane/hoist rope.

LIMIT SWITCH

A heavy duty microswitch manufactured to EC specifications able to work up to 220 volts AC

PAINTING SPECIFICATION

Anti corrosion cleaned to remove surface scale, powder coated and electrostatically applied to a dft. of 50-75 microns, oven post cured at 200°C for 20 minutes.



MODEL	MAX. LOAD	HEIGHT A	WIDTH B	LENGTH C	WEIGHT	ROPE DIAMETER
LLL18	1400Kg	100	60	140	1,3Kg	5-9 & 10-13mm
LLL28	2400Kg	100	70	190	1,5Kg	10mm - 14mm
LLL45	4500Kg	150	90	250	3,6Kg	13-16 & 16-20mm
LLL60	6000Kg	150	90	250	3,8Kg	20mm - 24mm
LLL80	8000Kg	215	125	375	7,0Kg	20-26 & 28-32mm
LLL150	15000Kg	215	125	375	7,3Kg	26mm - 36mm
LLL200	20000Kg	215	125	375	7,5Kg	to suit

IMPORTANT NOTE: Above rope loads for use on class 1 & 2 factory duty cranes used in accordance with BSS 466 of 1984, M5 rating. Consult factory for class 3 & 4 heavy duty applications.

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Side Pulling Prevention Device

- Prevents side pulling on cranes and hoists
- Offers various degrees of adjustment to accommodate different angles
- Prevents dragging of loads
- Protects rope guide and rope drum and bearings
- Easily fitted to any crane or hoist
- Reduces down time
- Substantial reduction in maintenance costs

INCREASED SAFETY IN THE WORKPLACE

As rope guide is protected all limits remain operative preventing overwinding and unwinding of rope

Prevents accidents and ensures much safer working conditions

Available with timer control panel to allow for isolation of both hoist & long or cross travel

SPECIFICATION

MATERIALS

LM4 high grade aluminium and mild steel

SWITCHES

Microswitch manufactured to EC specifications up to operating voltage 220v AC

PAINTING

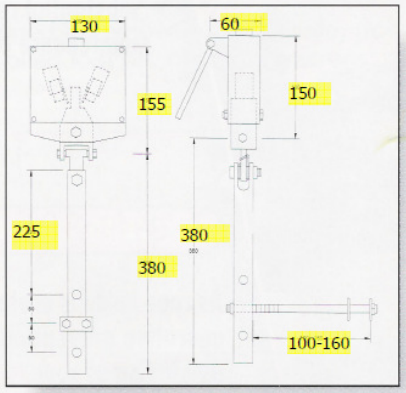
Degreased and pickled to remove scale then phosphated. Powder coated and oven cured at 200°C for 20 minutes to a dry film thickness of 150 microns

PLATING

All metal parts zinc plated silver for appearance and protection against rust

SIZE

A very compact unit normally fitted above the moving range of the bottom block so as not to interfere with the normal height of lift



OPERATION

Cranes and hoists are designed for vertical lift only. Side pulling of loads causes damage to the hook block, ropes, sheaves, rope drum and guide, bearings and the general structure. Associated with this is the increased accident potential due to misuse and the potential failure of limit switches and other associated safety items. With the installation of the Liftco side pulling prevention device the dangerous practice of side pulling of load is eliminated. The crane/hoist can thus lift only vertically, as designed, increasing safety levels on the factory floor and reducing maintenance costs and wasteful down time.