



DESCRIPTION

The Dynasafe Mecha 3.2, 7 and 12 are robust and affordable mechanical limiter, designed to manage one or two safety thresholds on lifting equipment.

OPERATING PRINCIPLE

The deflection of the wire rope exerted by the load limiter produces a tangential force which is proportional to the force exerted on the wire rope when pulled.

The deformation of the load limiter body then causes the micro switches integrated in the load limiter to inverted position and give an “all-or-nothing” signal.

APPLICATIONS

- Overhead travelling crane limitation
- Hoist limitation
- Safety and lifting applications

APPLICABLE STANDARDS

Machinery : 2006/42/CE & EN 13849-1

This machinery fulfils all the relevant provisions of the Supply of Machinery (Safety) Regulations 2008 (SI 2008/1597) as amended (SI 2011/1042, SI 2011/2157, SI 2019/696).

TECHNICAL CHARACTERISTICS

MODEL	Dynasafe Mecha 3.2	Dynasafe Mecha 7	Dynasafe Mecha 12
Code	293599	198959	38668
Wire rope diameter	From 5 to 16 mm	From 17 to 26 mm	From 27 to 36 mm
Capacity on fall	From 200 to 3200 daN	From 500 to 7000 daN	From 1000 to 12000 daN
Repeatability	1 % full scale	2 % full scale	
Installation	Directly on the wire rope		
Number of thresholds	2 (setting in factory can be done in option)		
Contacts	For each threshold: 1 Normally Closed 1 Normally Open 1 Common		
Trip point power	250 VAC		
Amperage of trip point	4A		
Connection	7 cores electrical cable with cable gland		
Length of connection cable	2 m		
Tare adjustment	By fine thread screws		
Hysteresis	Between 50 and 200 kg depending on the effort	Between 200 and 1000 kg depending on the effort	
IP Protection	IP67	IP67	IP55
Material	Aluminium		
Dimensions			
Length (mm)	160	160	280
Width (mm)	112	112	138
Thickness (mm)	48	49	60

CODES

Code	Description	EAN Code
293599	Dynasafe Mecha 3.2	3600232935995
198959	Dynasafe Mecha 7	3600231989593
38668	Dynasafe Mecha 12	3600230386683
281407	Factory setting Mecha 3.2	3600232814078
274647	Factory setting Mecha 7	3600232746478
73887	Factory setting Mecha 12	3600230738871