



**BI-DIRECTIONAL ELECTROMECHANICAL  
ACTIVATION**

**DA - UD**

**INSTRUCTIONS FOR USE AND MAINTENANCE**



ATISAE

# TYPE EXAMINATION CERTIFICATE

## ELEVATOR COMPONENT / SYSTEM

Document number:	ATI / CA021	rev: 0
Certification Body:	TÜV SÜD ATISAE S.A.U. Avda. de los Artesanos, 20 E 28760 Tres Cantos MADRID (ESPAÑA)	
Product:	Electrical activation means for the safety gears. downwards & upwards activation	
Type:	DA-UD	
Manufacturer:	DYNATECH. DYNAMICS AND TECHNOLOGY S.L. P.I. PINA DE EBRO, SECTOR C PARCELA 9 50750 ZARAGOZA.	
Certificate Holder:	DYNATECH. DYNAMICS AND TECHNOLOGY S.L. P.I. PINA DE EBRO, SECTOR C PARCELA 9 50750 ZARAGOZA.	
Date of submission:	24.01.2020	
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Report number:	8101277506 (23.06.2020)	
Expiry date:	indefinite (please refer to tech. annex section 2.5)	

**Statement:** Remote car safety gear activation means assessed in this certificate may be used in connection with an electronic overspeed governor and DYNATECH's safety gear type ASGUD. This certificate will be mentioned as an annex in the certificate of the safety gears that are allowed and shall be integrated in the design of the elevator where the system, together with the governor, is used. The Notified Body intervening in the certification procedure of the of the complete elevator, whichever it is, must assess the integration of the system with governor and controller.

For legal reasons, and since this means is not a safety component according to annex III of Lifts Directive 2014/33/UE, this agency cannot issue an EU type examination certificate.

This certificate may be used as justification of the features of the device together with the safety gears, when assembled within the scope of the elevator.

- (1) Only for the clauses mentioned in the technical annex. There are non-compliances when applying 5.6.2.2.1.1.d) of EN 81-20, according to what is stated in the annex.

This document consists of this cover, a technical annex with 5 pages and 2 drawings. It shall be reproduced with all its pages to be considered valid

C/OTR/003530



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# 1 DESCRIPTION

The bi-directional electromechanical activation of the ASG UD safety gear is described in this document, consisting of a set of articulated levers activated by a spring. This spring moves the rollers from the lift operating position or holding position to the lock engagement position.

For normal lift operations, the safety gear is reset by a linear solenoid and a holding coil keeps the tripping mechanism in its not-locked or roller holding position.

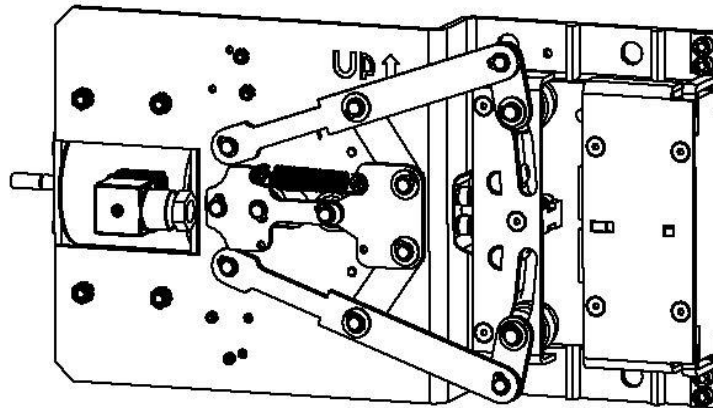


Figure 1 eASG UD bi-directional electromechanical safety gear

Activation is common to any ASG UD safety gear model.

Figure 2 shows the part corresponding to the DA-UD electromechanical activation and the part corresponding to the ASG UD safety gear. The activation unit plus safety gear is known as eASG UD.

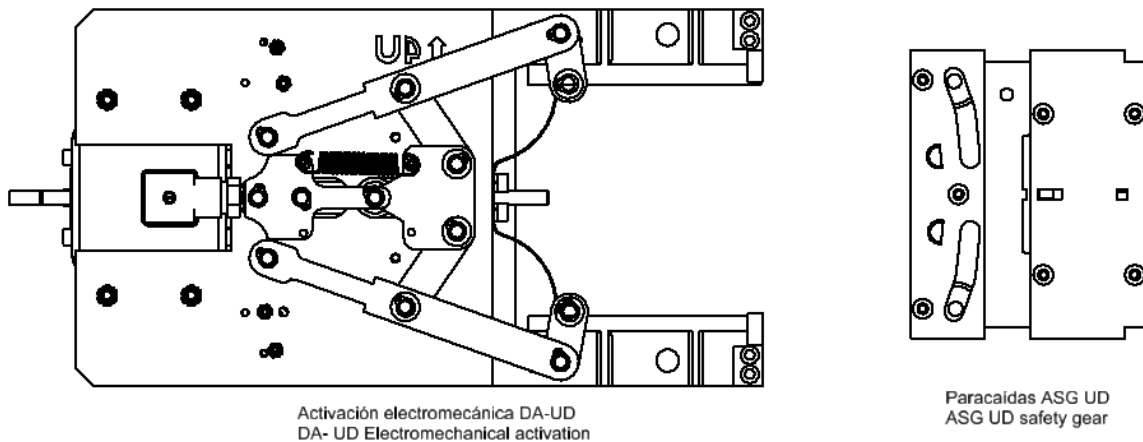


Figure 2 Difference between activation and safety gear

Given its design, the safety gear has the feature of engaging itself when the rollers touch the guide rail. Due to this, on this electromechanical model, when the coil is not powered the activation spring forces the rollers to touch the guide rail. This means that, if the car were to move in either direction, the safety gear would immediately and automatically engage itself. **This is known as positive safety.**