

EC type-examination certificate

Certificate no.: AFV 215/2

Notified body: TÜV Bau- und Betriebstechnik GmbH
Unternehmensgruppe TÜV Süddeutschland
Zertifizierungsstelle für Aufzüge und Sicherheitsbauteile
Westendstraße 199, D-80686 München
(Kennnummer 0635)

**Applicant/
Certificate holder:** Zardoya Otis S.A.
Mendez Alvaro 73
E-28045 Madrid

Date of submission: 1998-06-04

Manufacturer: Zardoya Otis S.A.
Camino de Jolastokieta 1
E-20017 San Sebastian

Product, type: Instantaneous safety gear, type FO 312 AJ/AM

Test Laboratory: TÜV Bau- und Betriebstechnik GmbH
Unternehmensgruppe TÜV Süddeutschland
Zentralabteilung Aufzüge und Sicherheitsbauteile
Westendstraße 199, D-80686 München

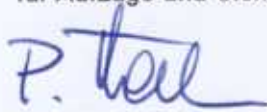
**Date and
number of test report:** 1998-08-17
215/2

EC-directive: 95/16/EC

Statement: The safety component conforms to the directive's safety requirements for the respective scope of application stated on page 1 of the annex to this EC type-examination certificate.

Certificate date: 1998-08-20

Zertifizierungsstelle
für Aufzüge und Sicherheitsbauteile


Peter Tkalec


Deutscher
Akkreditierungs
Rat
Registriernummer: ZLS-ZE-126/97

Annex to the EC type-examination certificate No. AFV 215/2

1. Scope of Application

- 1.1 Maximum permissible total mass of car and rated load or counterweight in using one pair of safety gears, depends on maximum tripping speed or the overspeed governor :

Tripping speed (m/s)	Maximum total mass (kg)
0,50	3503
0,60	3370
0,70	3226
0,80	3075
0,90	2919
1,00	2763
1,10	2609
1,20	2458
1,32	2285
1,65	1860

1.2 Maximum rated speed

- 1.2.1 Car 0,63 m/s
1.2.2 Counterweight 1,00 m/s

1.3 Maximum tripping speed of overspeed governor

- 1.3.1 Car 1,00 m/s
1.3.2 Counterweight 1,65 m/s

1.4. Minimum running surface width of guide rails

- 1.4.1 Blade width 9 mm
1.4.2 Minimum running surface width 21 mm

2. Remarks

- 2.1 The test over covers the safety gear and the safety gear elements (rollers) and did not include either the connection between the individual safety gear elements (safety gear rods) or the actuation of the electric safety device. When connecting the safety gear elements to the overspeed governor, attention must be paid to the fact that, at the point at which the overspeed governor rope engages , the distance to the engaging of the safety gear components does not exceed 0,03 m.
- 2.2 In order to provide identification and information about the basic design and its functioning and to show the environmental conditions and connection requirements pertaining to the tested and approved type, and to define which parts have been tested, drawing No.TS-VI-20 dated 15 October 1980 is to be enclosed with the EC type-examination certificate and the annex thereto. (The EEC type-examination certificate number EFV 215/2 on the drawing is no longer applicable and is to be regarded as AFV 215/2 within the definition of this EC type-examination certificate).
- 2.3 The EC type-examination certificate may only be used in connection with the pertinent annex.

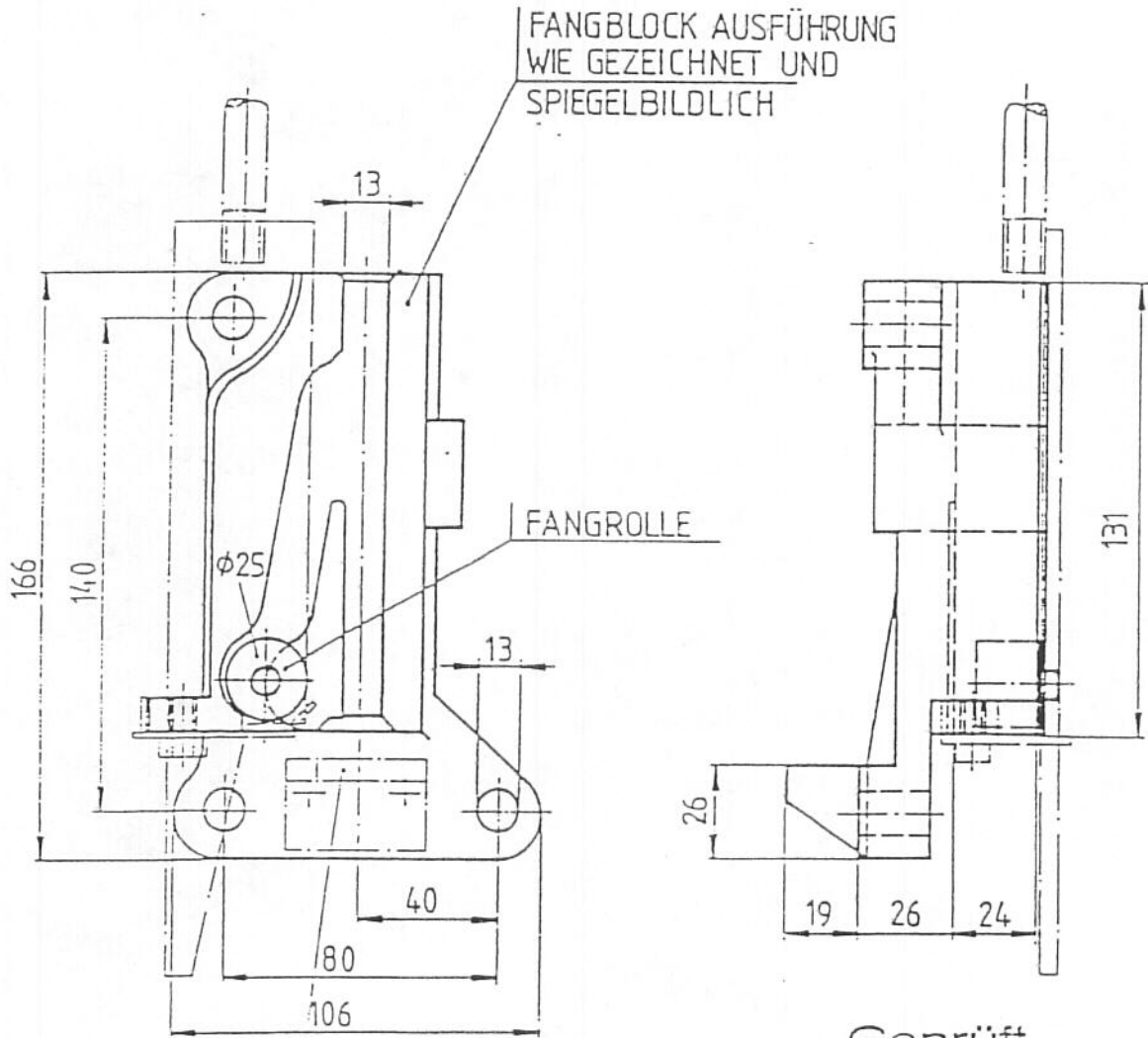
ZARDOYA OTIS
SPAIN

ROLLENSPERRFANGVORRICHTUNG
TYP FO 312 AJ/AM

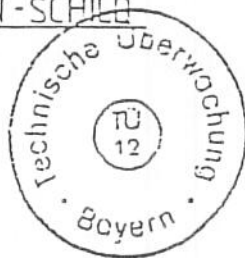
TS-VI-20

EFV 215/2

TUV BAYERN
800001



SERIEN-SCHILD



Geprüft

18.10.88.

München, den
Technischer Überwachungs-Verein Bayern e.V.
Fördertechnik - Elektrotechnik
Zentralabteilung Aufzüge - Hebezeuge
Sachverständige

GEPRÜFT:

DATUM:

80-10-15

TS-VI-20