



Type Test Certificate for Special Equipment (Lifts)

Certificate No. TSX F32002220200048

Applicant: ZhenJiang ChaoYang Electromechanical Scientifical Co.,Ltd
Registered address of applicant: No.688, Youfang town, Yangzhong City, Jiangsu Province, China
Manufacturer: ZhenJiang ChaoYang Electromechanical Scientifical Co.,Ltd
Registered address of manufacturer: No.688, Youfang town, Yangzhong City, Jiangsu Province, China
Category of equipment: Lift safety protection component
Type of equipment: Safety gear
Name of product: Progressive safety gear
Model of product: CYAQ11C
Type test report No.: ETC20F320048、ETC22F320YZ070、ETC22F320BC002

After type test, it is confirmed that the product complies with the requirements of TSG T7007-2022 *Regulation for Type Test of Lifts*、GB/T 7588.1-2020、GB/T 7588.2-2020、ISO 8100-1:2019、ISO 8100-2:2019、EN 81-20:2014 (EN 81-20:2020)、EN 81-50:2014 (EN 81-50:2020) .

Applicable product model(s) of the certificate: CYAQ11C

See appendix for applicable product parameters and configuration of the certificate.

(Stamp of organ)

Issue date: 2021-01-08

Recertification date: 2022-11-21

Revalidation date: before 2027-01-08

Shanghai Jiao Tong University Elevator Test Center

Note:

1. The applicant has responsibilities to ensure that the products conform to the requirements of the safety technical specifications and relative standards, and to ensure that the quality and safety performance of products are consistent with the tested sample mentioned above.
2. This certificate is not applicable to product manufactured after the revalidation date.
3. If this certificate is revised, the validity period of the certificate remains unchanged.

Appendix

Applicable Product Parameters and Configuration

Type of safety gear	Progressive	Type of elastic elements	“π” spring
Permissible mass	1600~3200(kg)	Rated speed of lifts	≤2.5m/s
Tripping speed of the overspeed governor	≤3.55m/s	Applicable material of guide rail	Q235
Type of gripping (braking) elements	Groove shape	Material of gripping (braking) elements	Fixed wedge: ZG50CrMo Sliding wedge: QSn6.5-0.1
Quantity of gripping (braking) elements	(Unilateral clamp body) Fixed wedge:1 Sliding wedge:1	Dimensions of gripping (braking) friction surface	Fixed wedge: 25mm×110mm Sliding wedge: 22mm×100mm
Applicable hardness of guide surface of guide rail	110~143(HBW)	Applicable width of guide surface of guide rail	≤16mm
Applicable processing method of guide surface of guide rail	Planed、 Drawn	Applicable lubrication of guide surface of guide rail	Dry or Lubricated
Anti-mechanical spark measures	N/A		
Notes: 1、 When the parameter range and configuration listed in the appendix are changed, the type test shall be conducted again. 2、 The actual application mass range of progressive safety gear should not exceed of the permissible mass. 3、 The selection of guide rail shall also be determined according to the design and calculation results of the applied lift system.			