

ANNEX OF TYPE EXAMINATION

CERTIFICATE

Nr: LDsq08-0608-0136-22

Description : Devices to prevent falls referred to in point 3.2 of Annex I to prevent the car from falling or uncontrolled movements of Lifts Directive 2014/33/EU

Application areas:

✓ Electrical and Hydraulic Lifts

Type Variants:

PRO 2000S-I: Unidirectional progressive safety gear

PRO 2000S-II: Bidirectional progressive safety gear

Data / Type	PRO 2000S		
	PRO 2000S-I, PRO 2000S-II		
Guide Rail Thickness (mm)	8, 9, 10	9, 10	9, 10
Rated Mass (kg) Max/Min (P+Q)	1750 / 700	1550 / 700	1400 / 700
Maximum tripping speed (m/sn)	1,50	1,71	2,16
Condition of Guide Rail Surface	Machined – Drawn		
Lowest Width of Catching Surface(mm)	10		
Type of oil	HLP 32, HLP 37, HLP 46		
Serial Nr and Manufacture Year	Test Sample / 2022		

Table 1. Technical specification about product

Data / Type	PRO 2000S				
	PRO 2000S-I, PRO 2000S-II				
Guide Rail Thickness (mm)	16, 19				
Max/Min (P+Q)	4000 / 1000	3450 / 1000	2650 / 1000	2000 / 700	1800 / 700
Maximum tripping speed (m/sn)	1,50	1,71	2,16	2,62	3,22
Condition of Guide Rail Surface	Machined – Drawn				
Lowest Width of Catching Surface (mm)	10				
Type of oil	HLP 32, HLP 37, HLP 46				
Serial Nr and Manufacture Year	Test Sample / 2022				

Table 2. Technical specification about product

Type of guide rails: T50/A, T70/A, T75/A, T75/B, T78B, T82A, T89/A, T89/B, T90/A, T90/B, T114/B, T125/B, T127/B, T140/B

Condition of Guide Rail Surface: Machined – Drawn

Oil Condition of guide rails : oiled or non oiled

Declared electrical safety device informations:

ELECTRICAL SAFETY DEVICE INFORMATION			
Type	CLS		
Manufacturer	GLORIOUS	Number of Certificate / Test Report	CNB3180116-00042-L-D CNB3180116-00033-E-D
Current / Voltage electricCurrent	5 A 250 VAC / 0.3 A 220 VDC	Protection of Electrical Safety Device	IP65

Send Date of sample safety gears: 09.05.2022

Type Examination Date: 17-18.05.2022

Test Laboratory: D KARE GÖZETİM TEST VE BELGELENDİRME TİC. LTD. ŞTİ.

Conformity Assesment Standards : EN 81-50:2020, EN 81-20:2020

The progressive Safety gear is also used as a braking device, together with the approved detection and triggering devices that are part of the uncontrolled car movement protection devices.

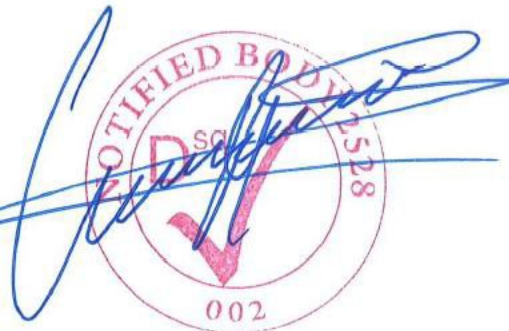
The type approval must be updated in case the design in the approved technical drawing is changed and / or a contact/switch other than the specified electrical contact/ switch is used. Type examination certificate can be used for products conforming to the information given in this annex.

CEM ÇELİK

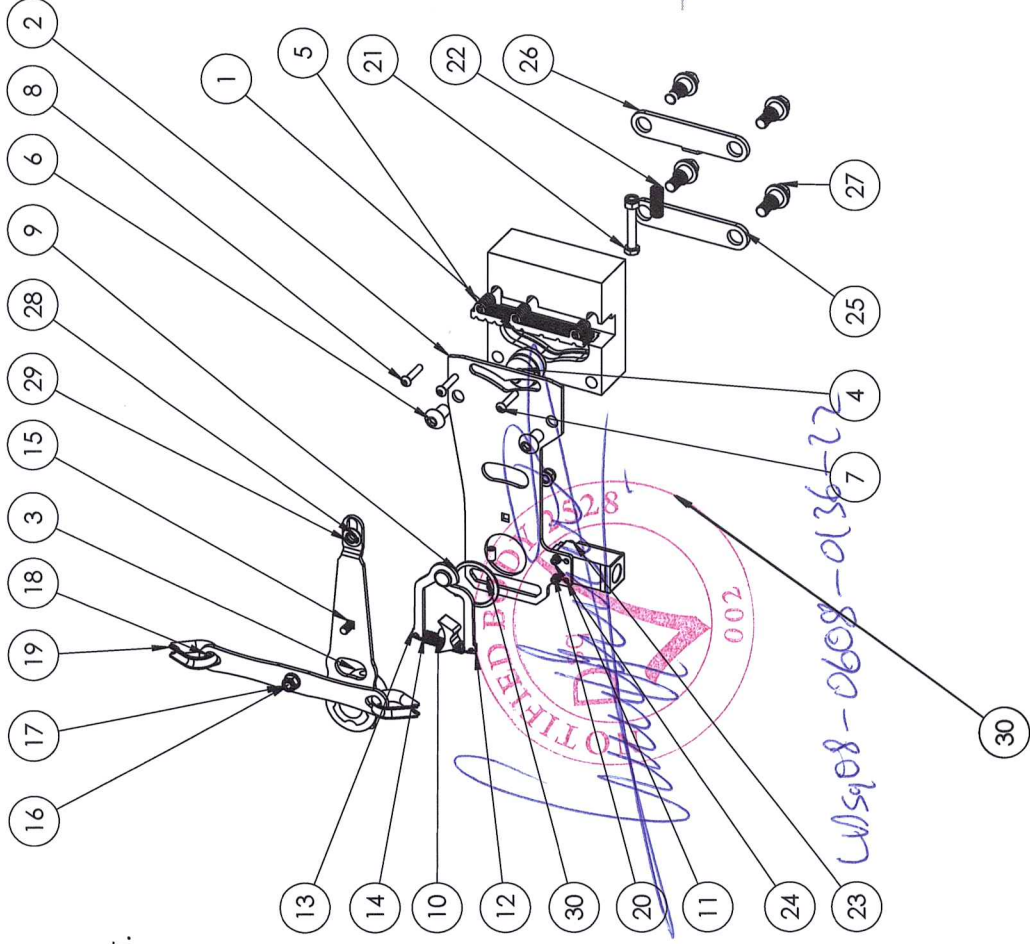
Technical Regulation Chief

Issue Date : June 08, 2022

Valid to : June 07, 2027



ÖĞE NO.	PARÇA NUMARASI	TANIM	MİKT.
1	PRO BLOK		1
2	PRO 2000S KAPAK		1
3	PRO 2000S KOLL		1
4	PRO 2000S TOP		1
5	PRO 2000S YAY CELİGİ		1
6	ISO 7380 - M12 x 20 - 20N		10
7	ISO 7380 - M6 x 25 - 25N		2
8	ISO 7380 - M6 x 30 - 30N		1
9	DIN 471 - 45 x 1.75		1
10	SİVİC TAHİRİK		1
11	SİVİC		1
12	PRO MANDAL1		1
13	PRO MANDAL		1
14	MANDAL GERGİ YAYI		1
15	MANDAL YAY GERGİ CİVATA		1
16	DIN 125 - A 8.4 - 300HV		2
17	DIN EN ISO 7040 - M8 - N		2
18	PRO HALAT ŞİŞESİ		3
19	RADANSA		1
20	DIN 125 - A 4.3 - 300HV		2
21	DIN EN 24014 - M8 x 55 x 22-N		4
22	ARKA HAREKET YAYI		1
23	ISO 7045 - M4 x 35 - Z - 35N		1
24	ISO 7040-M4-N		2
25	PRO DÜZ LAMA		1
26	PRO BÜKÜMLÜ LAMAA		1
27	M12 PRO BLOK ARKA MONTAJ CİVATALARI		4
28	PRO 2000S TOP PULU		1
29	DIN 471 - 9 x 1		1
30	ISO 4027 - M8 x 16-N		2
30	PRO 2000S CİPLAK MONTAJ DAĞITILMISS		1
31	PRO 2000S CİPLAK MONTAJ DAĞITILMISS		1



BAŞLIK:	RESİM NO:	MONTAJ DAĞITILMISS	A3
ÖLÇEK:1:50	SAĞA 1/1		
AKRİLİK:	3		
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BAŞLIK:	RESİM NO:	MONTAJ DAĞITILMISS	A3
ÖLÇEK:1:50	SAĞA 1/1		
AKRİLİK:	3		
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EU TYPE EXAMINATION CERTIFICATE

Nr: LDsq08-0608-0136-22

METROPLAST ASANSÖR MALZEMELERİ İMALAT LTD. ŞTİ.

İ.D.O.S.B. Tabakhane Cad. No:3 YC-10 Özel Parsel – Tuzla, İstanbul, TURKEY

D KARE GÖZETİM TEST VE BELGELENDİRME TİC. LTD. ŞTİ.;

Evaluated and approved that the safety component for lifts manufactured by the company stated above meets the essential health and safety requirements of the Lifts Directive 2014/33/EU Annex I.

2014/33/EU Annex IV/A EU Type examination of safety components for lifts (Module B)

PRODUCT;

Description	: Devices to prevent falls referred to in point 3.2 of Annex I to prevent the car from falling or uncontrolled movements of Lifts Directive 2014/33/EU
Name	: Unidirectional and Bidirectional Progressive Safety Gear
Trade Mark	: METROPLAST
Type	: PRO 2000
Type Variants	: PRO 2000S-I, PRO 2000S-II
Basic Specifications	: Detailed annex of this certificate

Re-evaluation should be performed by D KARE if any change occur on the design of the types stated in annex of this certificate or any change occur on the relevant harmonised standard.

This certificate is issued according to the findings stated in final report Nr. LDsq08-0607-013-22 dated 07/06/2022

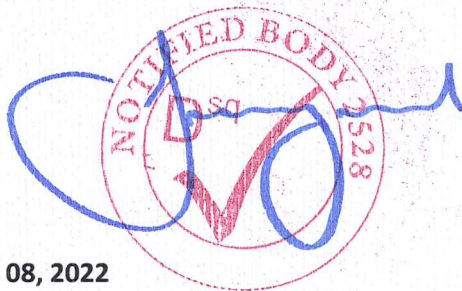
Inspection and test methods stated in harmonised standards EN 81-20:2020 and EN 81-50:2020 has been applied during conformity assesment process.

Selcan GÖRMÜŞ

Director

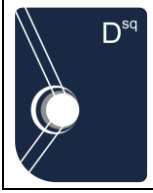
Issue Date : June 08, 2022

Valid to : June 07, 2027



LIFTS-2528-2200105





EU TYPE EXAMINATION REPORT OF SAFETY GEARS



Report Nr: LDsq08-0607-0136-22

File Nr: LD.IV-A.0048



D KARE GÖZETİM TEST VE BELGELENDİRME TİC. LTD. ŞTİ.

Cevizli Mah. Hızır Reis Sk. Dragos Park Plaza No:10 D:19 Maltepe - İSTANBUL

Tel: 0216 290 1678 Fax: 0216 290 16 79 Web: www.dsq.com.tr

2014/33/EU LIFTS DIRECTIVE ANNEX IV A

COMPANY INFORMATION	
Title of Applicant	METROPLAST ASANSÖR MALZEMELERİ İMALAT LTD. ŞTİ.
Address of Applicant	İ.D.O.S.B. Tabakhane Cad. No:3 YC-10 Özel Parsel – Tuzla / İSTANBUL, TURKEY
Title of Manufacturer	METROPLAST ASANSÖR MALZEMELERİ İMALAT LTD. ŞTİ.
Address of Manufacturer	İ.D.O.S.B. Tabakhane Cad. No:3 YC-10 Özel Parsel – Tuzla / İSTANBUL, TURKEY

INFORMATIONS OF SAFETY GEAR	
Product Description	Devices to prevent falls referred to in point 3.2 of Annex I to prevent the car from falling or uncontrolled movements of Lifts Directive 2014/33/EU
Serial Nr.	Test Sample
Type	PRO 2000S
Model	PRO 2000S-I, PRO 2000S-II

INFORMATION OF TYPE EXAMINATION			
Date of type examination	17-18.05.2022	Applied Harmonized standards	EN 81-20:2020 EN 81-50:2020

Doküman No: FR.LD.25	Yayın Tarihi: 07.02.2019	Rev. No: 03	Rev. Tarihi: 12.05.2020
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EU TYPE EXAMINATION REPORT OF SAFETY GEARS



Report Nr: LDsq08-0607-0136-22

ELECTRICAL SAFETY DEVICE INFORMATION

Type	CLS		
Manufacturer	GLORIOUS	Number of Certificate / Test Report	CNB3180116-00042-L-D CNB3180116-00033-E-D
Current / Voltage lectric Current	5 A 250 VAC / 0.3 A 220 VDC	Protection of Electrical Safety Device	IP65

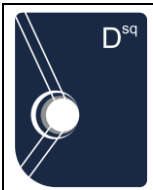
A. CONFORMITY OF TECHNICAL DOCUMENTATION AND TYPE WITH TECHNICAL DOCUMENTATION

Test sample of elevator safety components	PRO 2000S-II Test Sample
Evidence documents showing equivalent solutions in case of deviation from the harmonized standard. If necessary, these documents should also show the results of the experiment.	Deviation doesn't exist
General description of the elevator safety component for the area of use, including the possible limits for speed, load and power in particular, and explosive environment and hazard exposure conditions.	PRO 2000S Progressive safety gear Installation and Maintenance Manual
Design and production drawing or scheme.	General drawings of the type and detail drawings of the components were examined.
Necessary explanation for understanding the drawings and diagrams of the lift safety component	PRO 2000S Progressive safety gear Installation and Maintenance Manual
Descriptions of the solutions adopted to meet the requirements mentioned in 2014/33 / EU Annex I, including a list of harmonized standards and a list of other relevant technical specifications that apply where harmonized standards are not applied. In case of partial implementation of the harmonized standards, the applied parts in the technical file are specified.	PRO 2000S Progressive safety gear Installation and Maintenance Manual
Design calculations made or made by the manufacturer.	PRO 2000S Progressive safety gear Technical File
Results of Tests	LDsq08-0607-0136-22T numbered safety gear test report
A copy of the installation instruction for the lift safety component.	PRO 2000S Progressive safety gear Technical File
The precautions taken during the manufacturing phase to ensure that the mass produced elevator safety components are in accordance with the elevator safety components examined.	Not Applicable
EU declaration of conformity sample	Sample Declaration of conformity

B. CONTROLS, TESTS AND RESULTS

1- RESULTS OF TESTS

Doküman No: FR.LD.25	Yayın Tarihi: 07.02.2019	Rev. No: 03	Rev. Tarihi: 12.05.2020
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EU TYPE EXAMINATION REPORT OF SAFETY GEARS



Report Nr: LDsq08-0607-0136-22

Data/ Type	PRO 2000S				
	PRO 2000S-II				
Guide Rail Thickness (mm)	16				
Max/Min (P+Q)	4000 / 1000	3450 / 1000	2650 / 1000	2000 / 700	1800 / 700
Maximum tripping speed (m/sn)	1,50	1,71	2,16	2,62	3,22
Condition of Guide Rail Surface	Machined – Drawn				
Lowest Width of Catching Surface (mm)	10				
Type of oil	HLP 32, HLP 37, HLP 46				
Serial Nr and Manufacture Year	Test Sample / 2022				

The results of the tests performed for the types specified in the above table have been recorded with the FR.LD.24 Safety Gear Test Report numbered LDsq08-0607-0136-22T

2- CONTROL OF ELECTRICAL SAFETY DEVICE (EN 81-20 article 5.6.2.2.1.6 and article 5.11.2.2)

The suitability of these substances has been evaluated based on the documents provided by the electrical safety device manufacturer.

DOCUMENTS OF ELECTRICAL SAFETY DEVICE (Declaration of conformity , Conformity Certificate, Test Reports etc.)		RESULT OF ASSESMENT	
Document issue date	Document Name		
01.2018	EC DECLARATION OF CONFORMITY	☒ - OK	☐ - NEGATIVE
02.2018	EC DECLARATION OF CONFORMITY	☒ - OK	☐ - NEGATIVE

3- Measurement Devices Used During Assesment Activities:

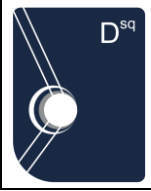
Device Name	Mark – Serial Nr	Calibration Date	Calibration Certificate Nr.
ACCELERATION METER	HENNING - 1440359	01.2022	06Ti0122
METER	FIVESTAR - 6702	05.2022	22-06795
CALIPER	- 5335	12.2021	21-15856
HARDNESS METER	CHONGQING LEEB - A1903270001	08.2021	73015.DKA.01

4- FINDINGS OF CONFORMITY ASSESMENT

a) Deviations in essential Health Safety Rules of 2014/33 / EU Lift Directive Annex I

b) Deviations from Harmonized Standards

Doküman No: FR.LD.25	Yayın Tarihi: 07.02.2019	Rev. No: 03	Rev. Tarihi: 12.05.2020
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EU TYPE EXAMINATION REPORT OF SAFETY GEARS



Report Nr: LDsq08-0607-0136-22

c) Others

C- RESULT AND REPORT INFORMATION

The Lift Directive (2014/33 / EU) published in the Official Gazette dated 29 June 2016 and numbered 29757, within the framework of Section 4, Article 19 (a) of the 2014/33 / EU Lift Directive IV. For the purpose of issuing an EU Type Examination certificate in accordance with subparagraph A of the Annex, the inspection and testing procedures of the safety gear of the applicant are in accordance with the Basic Health and Safety Requirements of 2014/33 / EU Lift Directive Annex-I and the applicable articles of carried out according to EN 81-20 and EN 81-50 standards.

Recommendation of Technical Expert : As a result of the conformity assessment process, it has been determined that the type of lift safety equipment which technical characteristics are specified in this report is in compliance with Annex-1 Basic Health and Safety Requirements of Directive 2014/33/EU of the European Parliament and of the Council relating to lifts and safety components for lifts

Annex of Report: LDsq08-0607-0136-22T

Report Date: 07.06.2022

REPORT INFORMATION	
Prepared by Technical Expert	Signature
SALİH ÜSTÜNER	