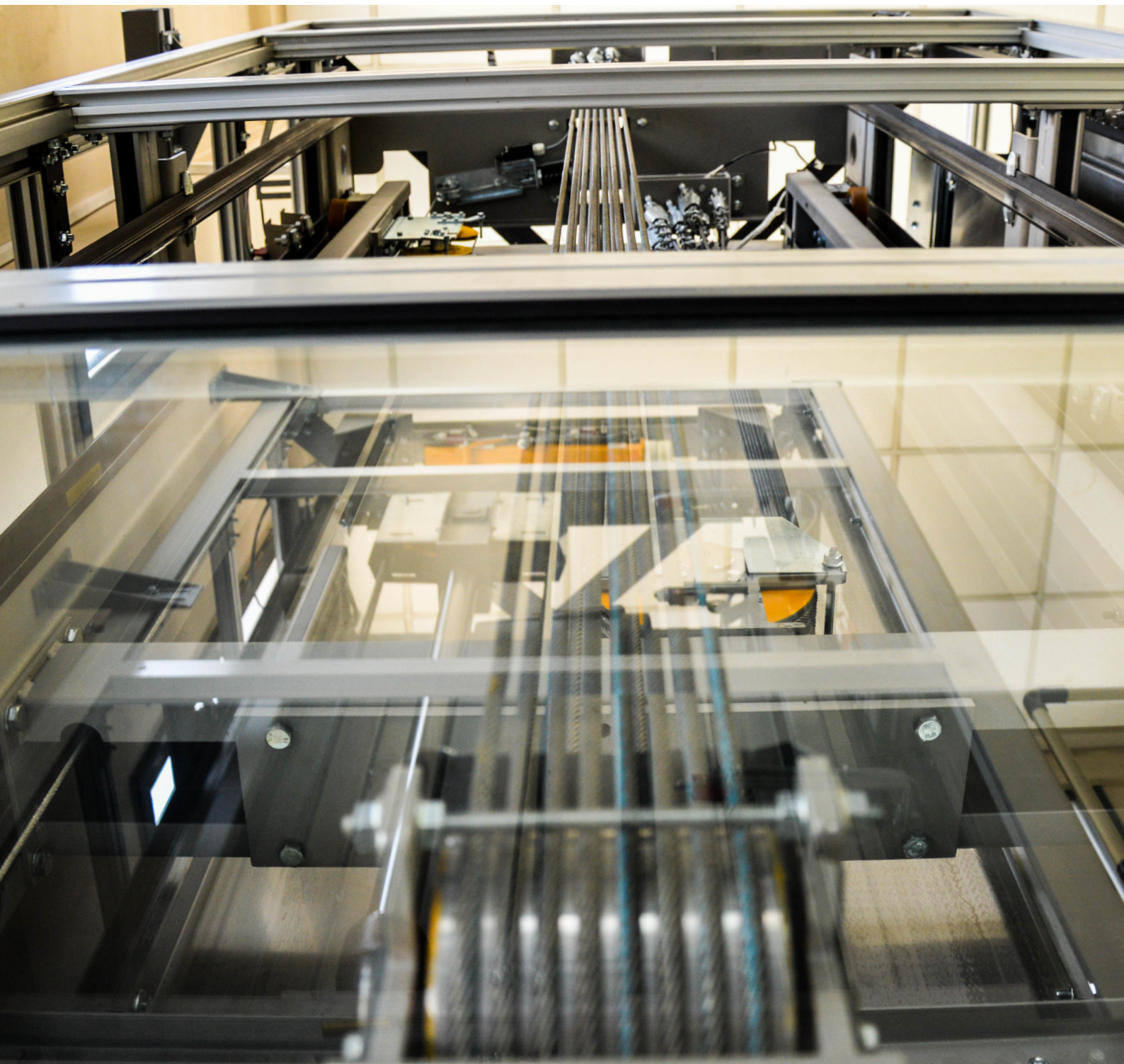


Lift Components

EN 81-20 & EN 81-21



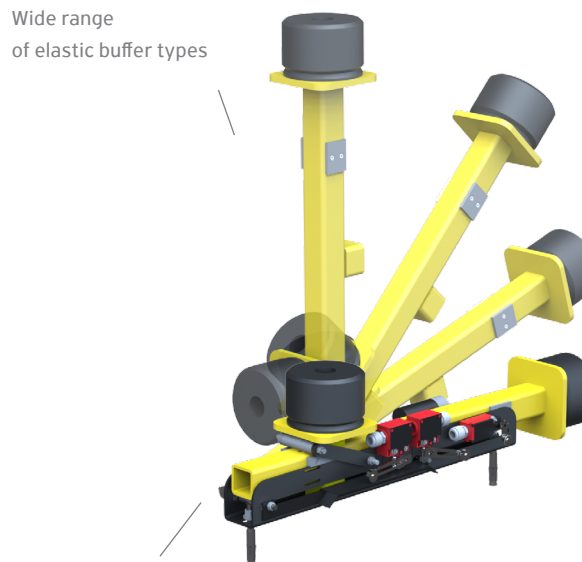
Index.

Folding Buffer	3-7
Car Apron	8-11
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Pit ladder	14-15

Movable Stop Folding Buffer.

This device has been designed by DOPPLER in accordance with EN81-20 / EN81-21 to provide sufficient refuge spaces in the pit or/and in the headroom when a person enters in the pit or/and on the car roof and/or low headroom elevator wells and it is i-21-2016.

Wide range
of elastic buffer types



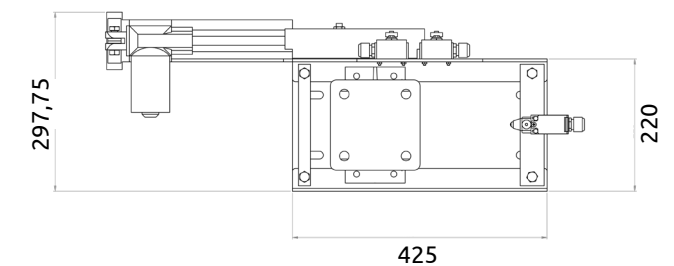
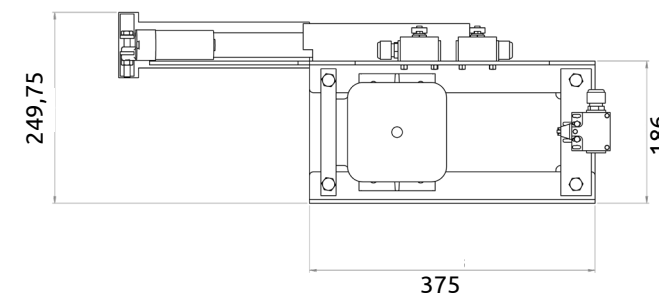
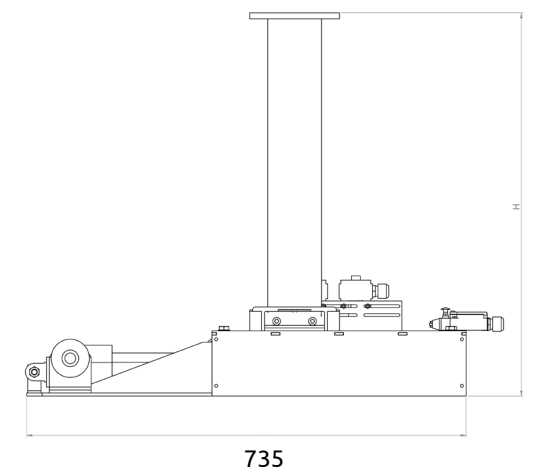
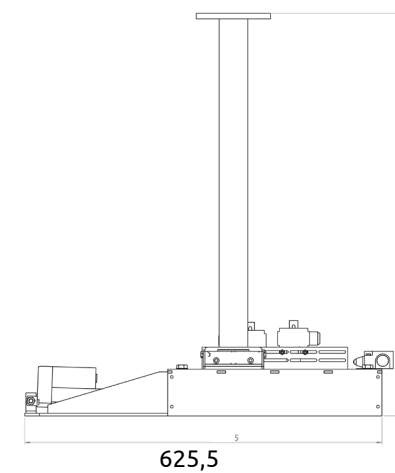
Electrically operated



Ease of operation using constant
pressure control box



Visible information about folding
buffer state



Technical Specifications.

Folding Buffer Light Duty Range of Application				
Folding Buffer Model	FBLD 5080	FBLD 1080	FBLD 50128	FBLD 10128
Buffer Type	ACLA 80x81 ETN (A / EN) 80x80	ACLA 80x81 ETN (A / EN) 80x80	ACLA125/128x82 ACLA 100/101x80 ETN (A / EN) 100x80 ETN (A / EN) 125x80	ACLA 125/128x82 ACLA 101x80 ETN (A / EN) 100x80 ETN (A / EN) 125x80
Max. Load	750kg 1650kg	750kg 1550kg	1900kg 2900kg	1550kg 1550kg
Min. Load	200kg 140kg	200kg 140kg	350kg 240kg	350kg 240kg
Speed	1 m/s 0.63 m/s	1 m/s 0.63 m/s	1 m/s 0.63 m/s	1 m/s 0.63 m/s
Fully Retracted Dimesions LxWxH (mm)	699x164x129-259*	1199x164x129-259*	699x164x129-259**	1199x164x129-259*
Fully Extended Dimesions LxWxH (mm)	605x164x696*	605x164x1196*	605x164x696*	605x164x1196*
Input (VDC)	12 / 24	12 / 24	12 / 24	12 / 24

*Height does not include buffers

Folding Buffer Heavy Duty Range of Application				
Folding Buffer Model	FBHD 1080	FBHD 10128	FBHD 50167	FBHD 10167
Buffer Type	ACLA 80x81 ETN (A / EN) 80x80	ACLA125/128x82 ACLA 100/101x80 ETN (A / EN) 100x80 ETN (A / EN) 125x80	ACLA165/167x81 ACLA 140/111x80 ETN (A / EN) 165x80	ACLA 165/167x81 ACLA 140/141x80 ETN ETN (A / EN) 165x80
Max. Load	750kg 1650kg	1900kg 2850kg	2800kg 3900kg	2800kg 2800kg
Min. Load	200kg 140kg	350kg 240kg	700kg 450kg	700kg 450kg
Speed	1 m/s 0.63 m/s	1 m/s 0.63 m/s	1 m/s 0.63 m/s	1 m/s 0.63 m/s
Fully Retracted Dimesions LxWxH (mm)	1220x298x159-270*	1220x298x159-270*	730x298x159-270*	1220x298x159-270*
Fully Extended Dimesions LxWxH (mm)	640x298x1216*	640x298x1216*	640x298x726*	640x298x1216*
Input (VDC)	12 / 24	12 / 24	12 / 24	12 / 24

*Height does not include buffers

DOPPLER Folding Buffer
Type Examination Certificate.



Q-CERT

TYPE EXAMINATION CERTIFICATE Baumusterprüfbescheinigung

Certificate Number/Bescheinigungs-Nr.: 490.11016

Revision no: 02 / 12.02.2018

Issue Date / Ausstellungsdatum: 26.06.2017

Applicant / Antragsteller / Certificate Holder /
Bescheinigungsinhaber:

Manufacturer / Hersteller :

Manufacturer Address / Herstelleradresse:

DOPPLER S.A.

DOPPLER S.A.

Industrial Park,GR-61200 Polykastro, Greece

Product / Produkt:

Product type / Produkttyp:

Doppler Folding Buffer / Beweglicher Anschlag mit Puffer

FBLD 5080, FBLD 1080, FBLD 50128,
FBLD 10128, FBHD 50167, FBHD 10167

Inspection Date/ Prüfdatum:

Audit Report Nr / Prüfbericht-Nr.:

European Standards / Europäische Standards:

17.03.2017

R490.11016/26.06.2017

prEN81-21:2016
EN81-20:2014

Inspection Results / Ergebnisse der Prüfung

The product conforms to the Lift Directive 2014/33/EU essential health and safety requirements for the scope of application stated to the annex of this certificate.
Das Produkt entspricht für den im Anhang dieser Bescheinigung angegebenen Anwendungsbereich, den wesentlichen Gesundheitsschutz- und Sicherheitsanforderungen der Aufzugsrichtlinie 2014/33/EU.

Additional information/Zusätzliche Information – Remarks / Bemerkungen

The inspection body should be informed for any modification or alterations made to the approved product, including extensions to the existing scope of application.
This certificate may be reproduced only in a complete form.
This certificate consists of this page and the Annex with one (1) additional page.
Valid until 26.06.2022
Die Prüfstelle muss über jede Änderung oder Abweichung des zugelassenen Produkts unterrichtet werden, einschließlich der Erweiterung des bestehenden Anwendungsbereichs. Diese Bescheinigung darf nur in einer vollständigen Form vervielfältigt werden.
Diese Bescheinigung besteht aus dieser Seite und dem Anhang mit einer (1) zusätzlichen Seite.
Gültig bis 26.06.2022



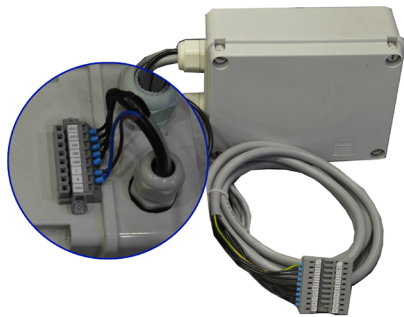
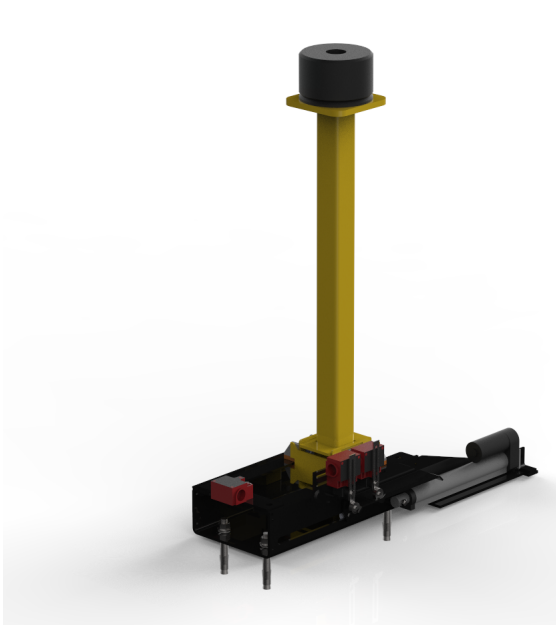
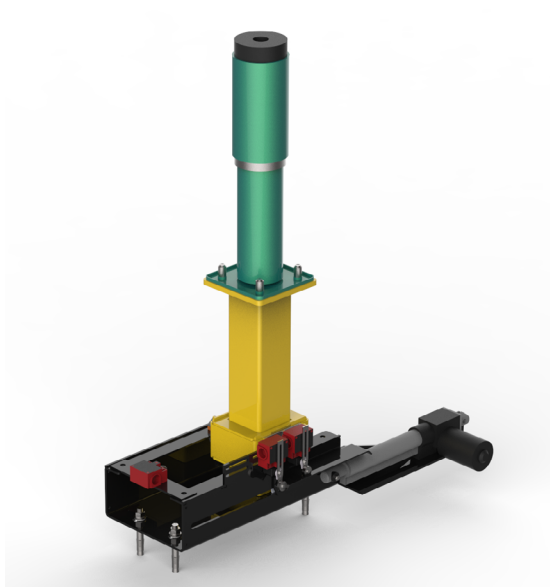
For Q-CERT



Josef Charalampidis
Technical Director

90 October 26th, 54627 Thessaloniki - Greece, email: qmstd@otenet.gr

Moving Folding Buffer.

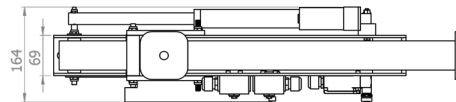
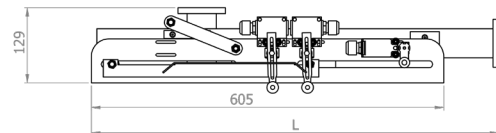
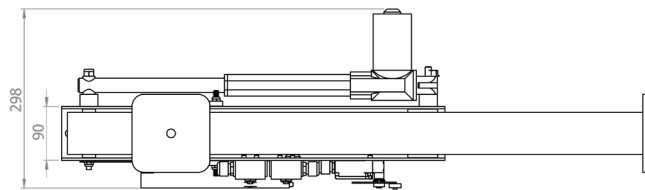
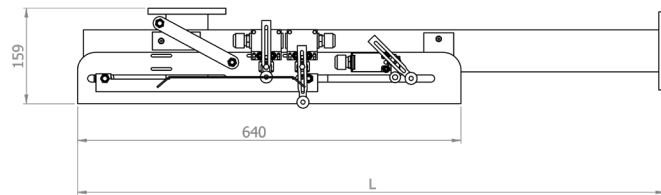
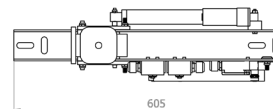
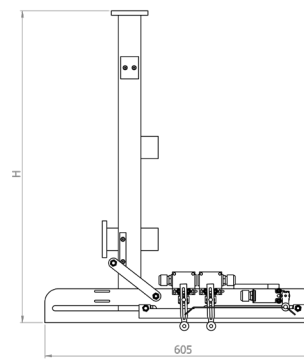
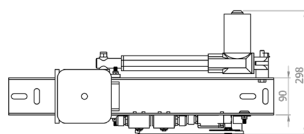
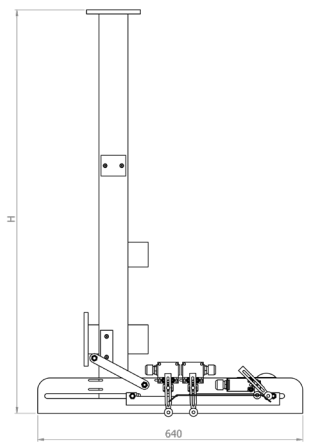


Power
Supply Box



Visual Signal

Moving Buffer
Operator

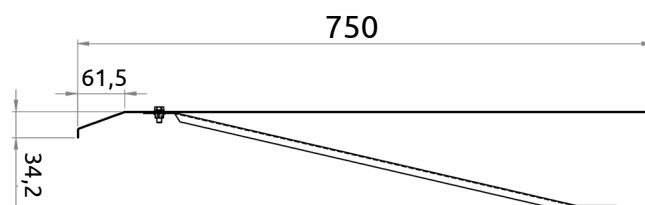
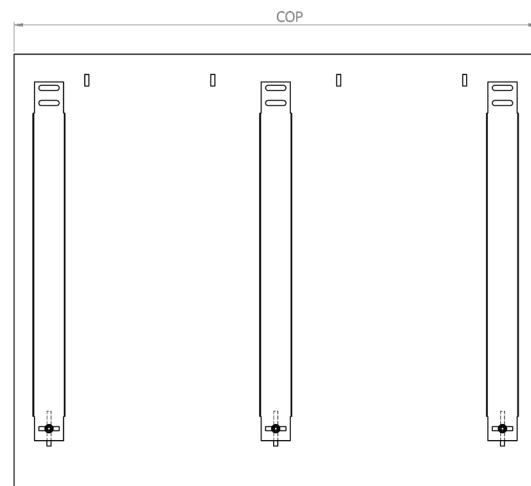
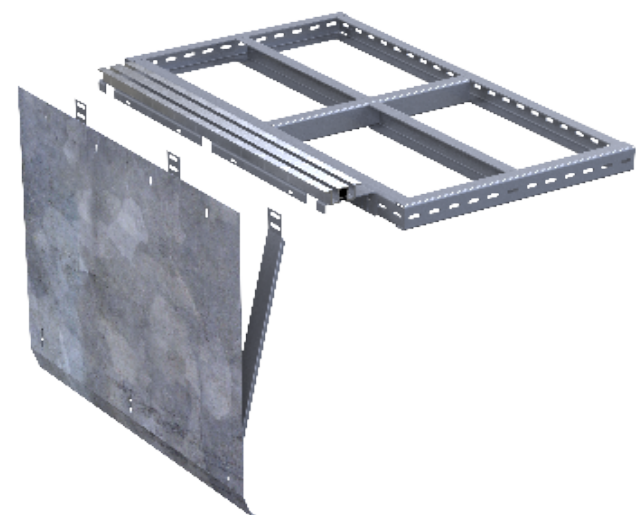


Telescopic & Universal Car Apron.

Universal Car Apron.

Features:

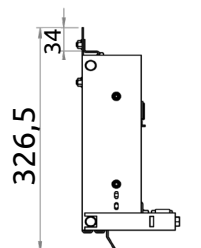
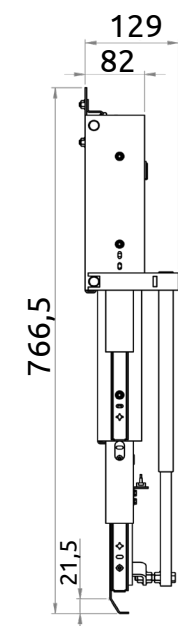
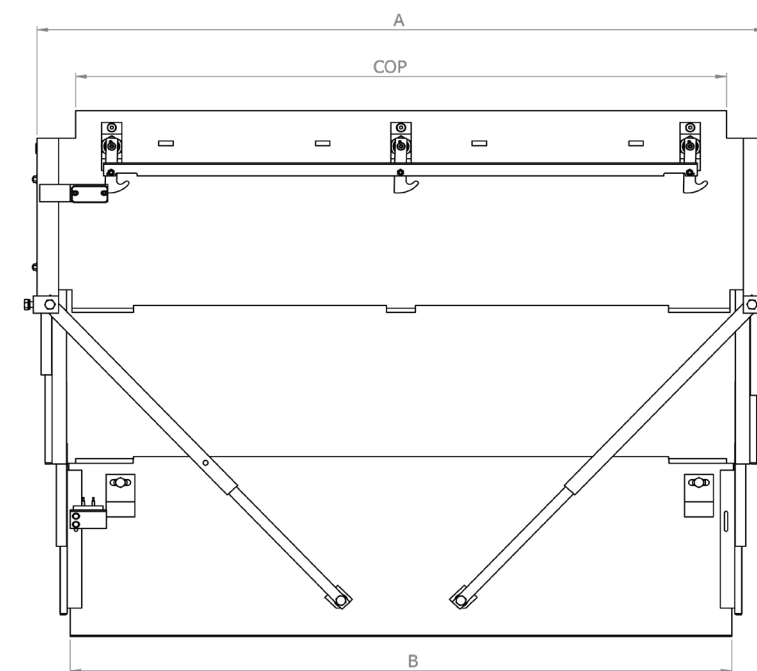
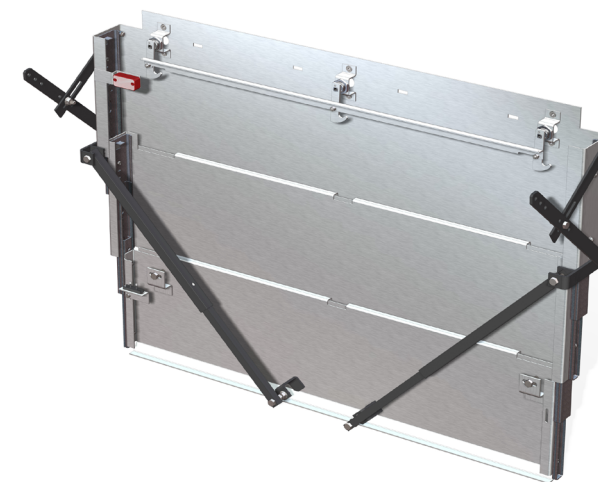
- Compliant with EN81-20
- Easy installation on every car door sill
- Car door width range 600mm-3000mm



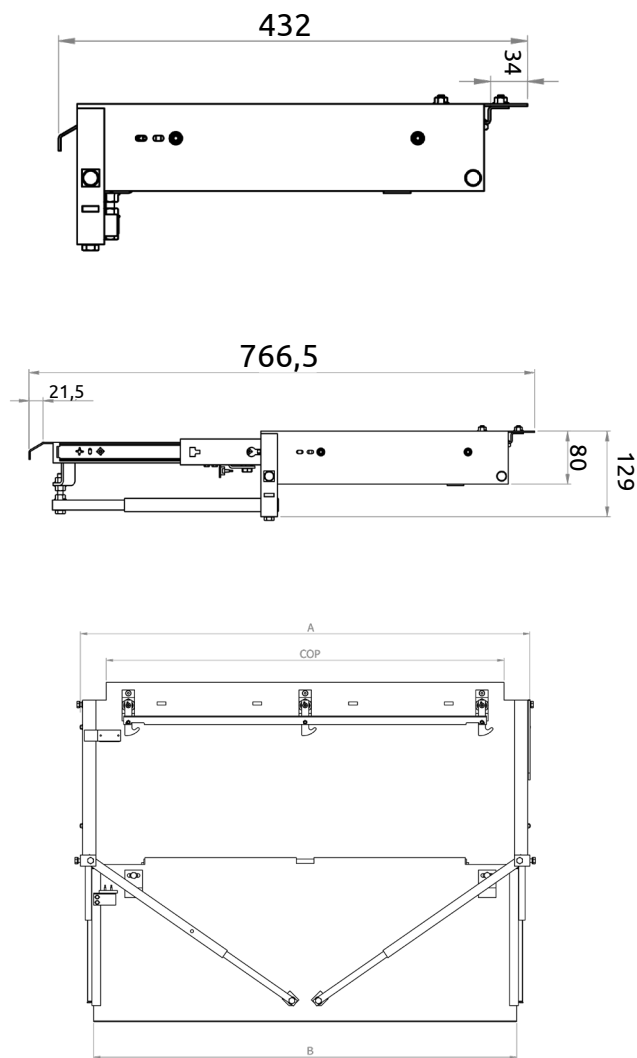
3 parts Telescopic Car Aprons.

Features:

- Compliant with EN81-20 & EN81-21
- Easy installation on every car door sill
- Car door width range 600mm-1500mm
- Equiped with three triangular locks for left, right or centrally closing doors
- Unlocks with the use of one of the triangular locks
- Equiped with electrical safety contact for supervision of car apron's state



2 parts Telescopic Car Aprons



Telescopic & Universal Car Apron. Type Examination Certificate.

 **Q-CERT**
Inspection - Certification

TYPE EXAMINATION CERTIFICATE FOR LIFT COMPONENTS

Certificate Number: 511.03018.0
Date: 09.03.2018
Manufacturer: DOPPLER S.A.
Manufacturer Address: Industrial Park of Polykastro, 61200 Polykastro, Greece
Certificate Holder: DOPPLER S.A.
Holder Address: Industrial Park of Polykastro, 61200 Polykastro, Greece

Lift Components, types: Car balustrade, type CBR, CBT
Car apron, type CAS, CAT3
Car wall, type CSW
Car glass wall, type CSWG
Car roof, type CRF
Counterweight screen, type CWPS

Certificate is issued on basis of the following requirements: Lift directive 2014/33/EU
EN81-20:2014 §5.4.7.4, EN81-20:2014 §5.4.5.3,
EN81-20:2014 §5.4.3.2.2, EN81-20:2014 §5.4.3.2.3,
EN81-20:2014 §5.4.7.1.a, EN81-20:2014 §5.2.5.5.1.g,
EN81-50:2014 §5.14
EN81-21:2018 §5.8.2.a

Test Report: R511.0318.0/09.03.2018

Statement
The lift components tested meet the requirements stated above and comply with the provisions applicable to them.
This type-examination certificate is only valid for products manufactured in full conformity to the specification of the tested products. This type-examination certificate is issued based on the requirements that are valid at the date of issue.
In case of changes to the product specification or changes to the state of the art, the certificate holder shall request Q-CERT to examine the validity of the type examination certificate.

 **Q - PRODUCT SAFE**

Valid until 08.03.2023
This Type Examination certificate consists of this main page and the technical annex with four (4) additional pages.

For Q-CERT

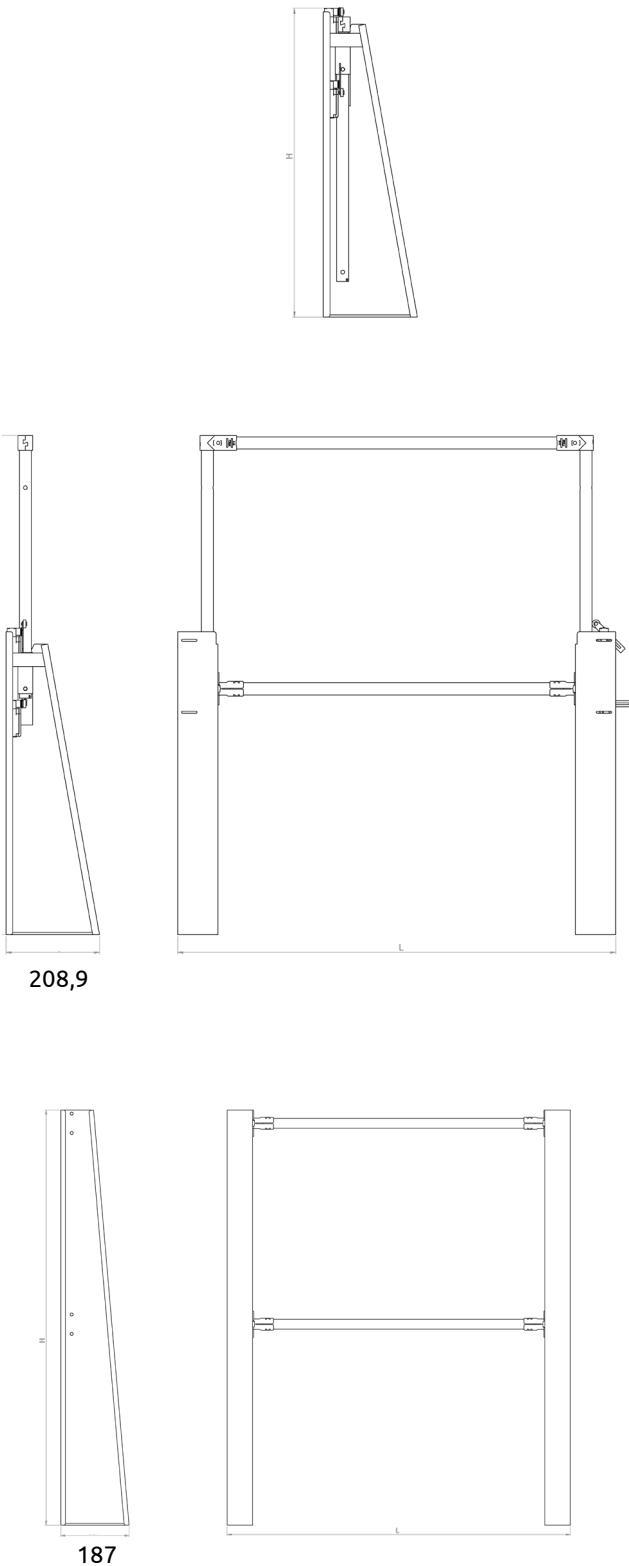
Josef Charalampidis
Technical Director

Car Apron Specifications					
Pit Depth (mm)	Apron Type	Apron Height (mm)	Bottom over-travel (Min) (mm)	D (Min) (mm)	Lift Standard
400-510	3-parts Telescopic	305	80	15	EN 81-21
510-870	2-parts Telescopic	416	80	15	EN 81-21
870-950	Universal	750	100	15	EN 81-21
>=950	Universal	750	100	95	EN 81-20

Car Roof Balustrades.

Features:

- ▶ Compliant with EN81-20 & EN81-21
- ▶ Easy assembly & installation on the car roof
- ▶ Apply to very low headrooms
- ▶ Easy to use
- ▶ Fine aesthetics



Specifications		
Type	Typical balustrades	Telescopic balustrades
Maximum Length	2850 mm	900 mm
Maximum Height	700 mm & 1100 mm	

Car Roof Balustrades Type Examination Certificate.



Q-CERT

TYPE EXAMINATION CERTIFICATE FOR LIFT COMPONENTS

Certificate Number: 511.03018.0
Date: 09.03.2018
Manufacturer: DOPPLER S.A.
Manufacturer Address: Industrial Park of Polykastro, 61200 Polykastro, Greece
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Counterweight screen, type CWPS

Certificate is issued on basis of the following requirements: Lift directive 2014/33/EU
EN81-20:2014 §5.4.7.4, EN81-20:2014 §5.4.5.3,
EN81-20:2014 §5.4.3.2.2, EN81-20:2014 §5.4.3.2.3,
EN81-20:2014 §5.4.7.1.a, EN81-20:2014 §5.2.5.5.1.g,
EN81-50:2014 §5.14
EN81-21:2018 §5.8.2.a

Test Report: R511.0318.0/09.03.2018

Statement
The lift components tested meet the requirements stated above and comply with the provisions applicable to them.
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Valid until 08.03.2023
This Type Examination certificate consists of this main page and the technical annex with four (4) additional pages.

For Q-CERT

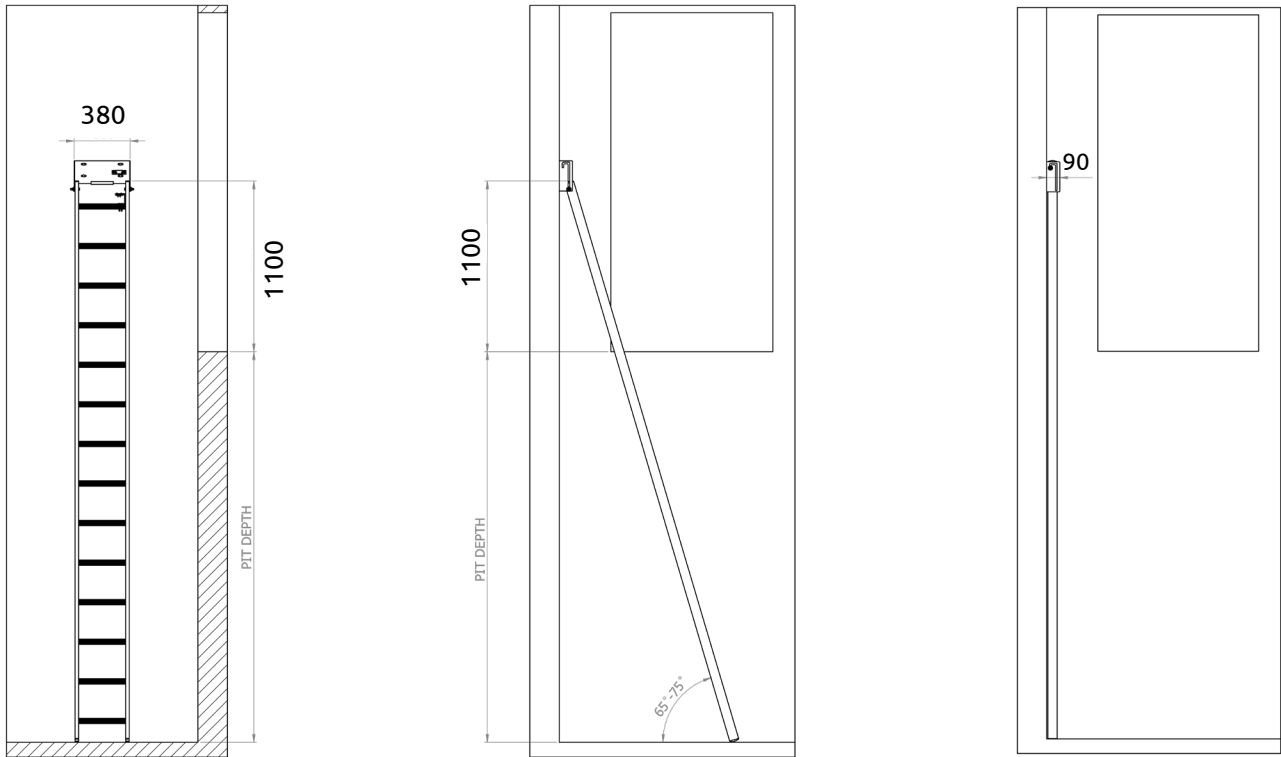


Josef Charalampidis
Technical Director

Pit ladder.

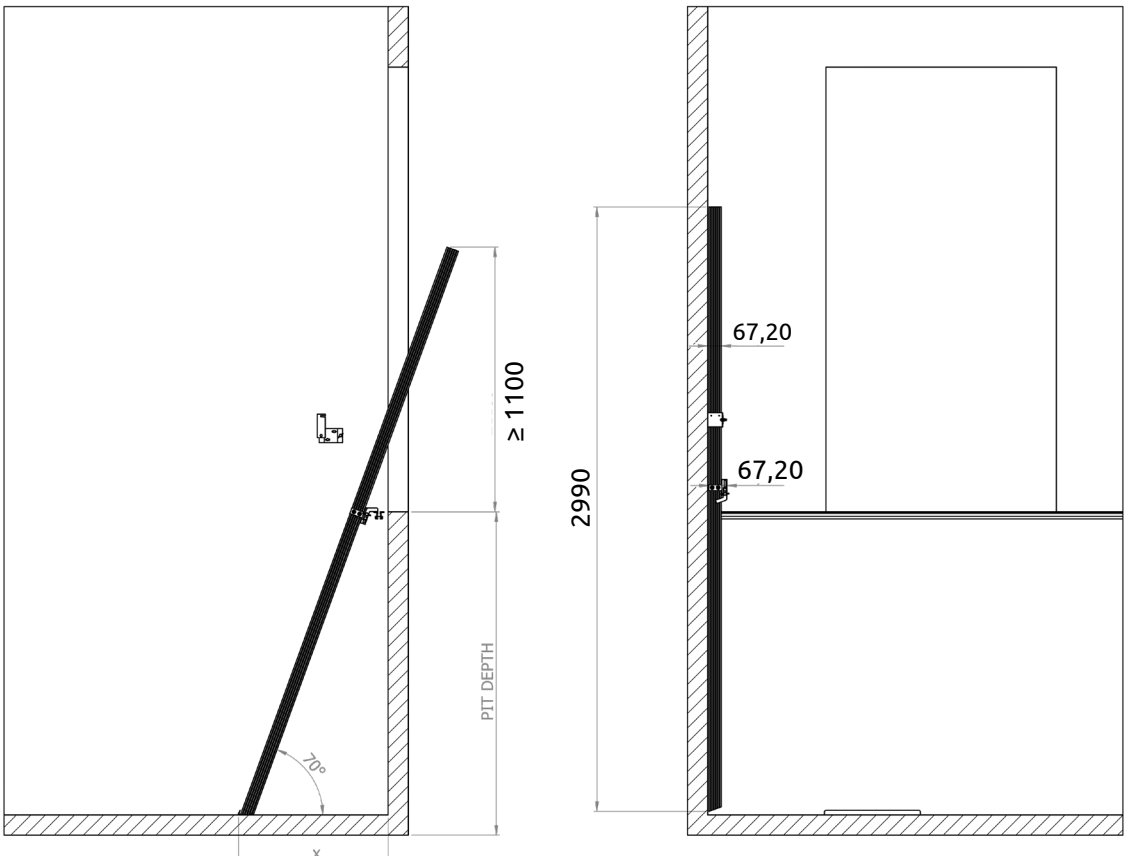
Features:

- ▶ Compliant with EN81-20 Type 2b
- ▶ Retractable with electrical safety contact
- ▶ Easy installation
- ▶ Withstands loads up to 150 kg / EN131
- ▶ Light-weight design



Specifications			
Type	Aluminum		
Ladder Length	2800 mm	3100 mm	3900 mm
Pit Depth	500 mm - 1550 mm	1550 mm - 1800 mm	1800 mm - 2650 mm

Specifications			
Type	Steel		
Ladder Length	2650 mm	3300 mm	3800 mm
Pit Depth	500 mm - 1400 mm	1400 mm - 2000 mm	2000 mm - 2500 mm



Pit Ladder

Declaration of conformity.



Declaration of Conformity of the lift manufacturer

LADDER SPECIFICATION	
Type:	Retractable pit ladder (type 2b, EN81-20)
Models:	PL2650 PL3300 PL3800
MANUFACTURER (responsible for the design)	
Name:	Doppler S.A. Web: www.doppler.gr
Address:	Polykastro Industrial Park,61200, Polykastro, Greece
Tel:	+30 23430 20140, Fax: +30 23430 23701
Email:	info@doppler.gr

we hereby declare that the aforementioned pit ladders, was designed and manufactured fulfilling the requirements of the following harmonized standards (valid where checked):

- EN 131-2:2010 + A1:2012, Clause 5
(Ladders - Part 2: 5 Testing)
- EN 81-20
(Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 20: Passenger and goods passenger lifts / Annex F Pit access ladder)

For the manufacturer	Name: Giannis Nikolaou	Position: Technical Director
Stamp / Signature:	Date: 02/06/2017	



Declaration of conformity of the lift manufacturer

LADDER SPECIFICATION	
Type:	Retractable pit ladder (type 2b, EN81-20)
Models:	PL2650 PL3300 PL3800
MANUFACTURER (responsible for the design)	
Name:	Doppler S.A. Web: www.doppler.gr
Address:	Polykastro Industrial Park,61200, Polykastro, Greece
Tel:	+30 23430 20140, Fax: +30 23430 23701
Email:	info@doppler.gr

we hereby declare that the aforementioned pit ladders, was designed and manufactured fulfilling the requirements of the following harmonized standards (valid where checked):

- EN 131-2:2010 + A1:2012, Clause 5
(Ladders - Part 2: 5 Testing)
- EN 81-20
(Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 20: Passenger and goods passenger lifts / Annex F Pit access ladder)

For the manufacturer	Name: Giannis Nikolaou	Position: Technical Director
Stamp / Signature:	Date: 02/06/2017	

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