



EU TYPE-EXAMINATION CERTIFICATE

According to annex IV part A of Directive 2014/33/EU

Certificate number:	ATI / PP / 006	rev: 2
Notified Body:	TÜV SÜD ATISAE S.A.U. Ronda de Poniente, 4 ES 28760 Tres Cantos MADRID ID number: 0053.	
Product:	Safety Component Progressive safety gear (PP)	
Type:	PR 2500 UD	
Manufacturer:	DYNATECH. DYNAMICS AND TECHNOLOGY S.L. P.I. PINA DE EBRO, SECTOR C PARCELA 9 ES 50750 ZARAGOZA	
Certificate Holder:	DYNATECH. DYNAMICS AND TECHNOLOGY S.L. P.I. PINA DE EBRO, SECTOR C PARCELA 9 ES 50750 ZARAGOZA	
Date of submission:	09.06.2022	
Date of type examination:	09.20.2022	
Test laboratory & report:	Please refer to tech. annex section 2.9	
Directive:	Directive 2014/33/EU of 26 February 2014	
Standards of reference:	EN 81-20:2020; EN 81-50:2020;	
Report number: ⁽¹⁾	8103622447 (09.20.2022)	
Expiry date:	Indefinite. (Please refer to tech. annex section 2.11)	
Statement:	The safety component allows the lift on which it is installed to satisfy the health and safety requirements of the Lifts Directive when it is used within the scope, as well as under the installation conditions that are set up in the technical annex to this certificate. This certificate has a technical annex with reference ATI / PP / 006 R2. This certificate is digitally signed. Only the document issued in format 'pdf' with its signature is legally valid	

⁽¹⁾ other applicable reports in section 2.13 of the technical annex



DAS / 000266-1

Jordi Olivera
LCC Technical Director

TÜV SÜD ATISAE S.A. (Unipersonal). Organismo de Control acreditado por ENAC con acreditación nº 05 / EI 730
EC12.04F4-EN v.2019-01-31

Sede Técnica: Ronda de Poniente, 4 – P.E. EURONOVA – 28760 Tres Cantos (Madrid) – España

GENERAL CONDITIONS – INFORMATION TO THE CERTIFICATE HOLDER

- This certificate is the means to ensure the compliance with the procedure for assessing the design phase for the safety component according to clause 15.1.a) or b) of the European Lift Directive 2014/33/EU.
- In order to place the component into the market, the manufacturer shall comply with any of the assessment procedures mentioned in that clause to assess the production phase.
- The holder and the manufacturer of the component shall follow the obligations described in clause 8 of the Lift Directive.
- The CE marking of the component shall follow the rules described by clauses 18 and 19 of the Directive and must be accompanied by the number of the Notified Body intervening in the assessment of the production phase (clause 19.4).
- This certificate is issued in order to make it publicly available, so the holder may be required to deliver a copy to check the technical specifications. In such a case it shall be delivered or reproduced completely with all its pages and drawings.
- If the certificate is extended the certificate number will remain, being modified only the revision number.
- In the event of end of production for the component, the holder shall inform to this Body the effective date when the component is not available to place it into the market.

These conditions are for information only and are not part of the certificate body.

TECHNICAL ANNEX TO THE EU TYPE EXAMINATION CERTIFICATE: ATI / PP / 006 R2

1. Scope:

1.1. Type: PR-2500 UD

1.2. Progressive safety gear (free fall or descending overspeed)

The following table summarises the features of the safety gear.

TYPE	Guide rail	Blade width (mm)	Permissible mass (kg)	Vr (m/s)	Vt (m/s)	GW (mm)	Oiling condition
PR-2500 UD	A / B	7 ÷ 16	613 ÷ 1,995	≤2.10	≤2.50	≥25	oiled ⁽¹⁾
PR-2500 UD	A	7 ÷ 16	671	≤1.30	≤1.50	=20	oiled ⁽¹⁾

key: A (drawn) / B (machined); Vr maximum rated speed (please refer to remark 2.7); Vt maximum tripping speed; GW gripping width;

⁽¹⁾ ISO VG 150 or oil with similar characteristics.

1.3. ACOP braking device (ascending overspeed)

The following table summarises the scope as ACOP.

TYPE	Guide rail	Blade width (mm)	Braking force (N)	Vr (m/s)	Vt (m/s)	GW (mm)	Oiling condition
PR-2500 UD	A / B	7 ÷ 16	2,889 ÷ 9,761	≤2.10	≤2.50	≥25	oiled ⁽¹⁾
PR-2500 UD	A	7 ÷ 16	4,168	≤1.30	≤1.50	=20	oiled ⁽¹⁾

Key and remarks (please refer to section 1.2.)

1.4. Adjustment:

continuous adjustment ¹

¹ single mass adjustment for guide rail type with GW=20 mm

2. Remarks.

All clauses mentioned with reference to EN 81-20, unless otherwise indicated.

- 2.1. **Intended use of the device.** The safety gear device (1.2) can be used as means against the free fall and descending overspeed [5.6.2.1]. The braking device (1.3) can be used as part of the ascending car overspeed protection means (ACOP) [5.6.6.4.a)]. Within this scope an overspeed governor as set forth in [5.6.2.2.1] and in [5.6.6.10.a)], or equivalent means, shall be used to control the speed of the car. The safety gear set can also be used as part of the unintended car movement protection (UCMP) [5.6.7.4.a)] (please see remark 2.14)
- 2.2. The arrangement of the device makes possible, in one single block, the braking performance for both directions (downwards / upwards). The figures of permissible mass (1.1) and braking force (1.2.) when used as braking device are related, because of the device uses the same adjustment for both in one single elastic element so they cannot be adjusted separately.
- 2.3. **Subtypes.** There are two versions: v35 and v50, with differences on the total clearance between the block and the guide rail, although the braking forces are kept, including changes on the box and rollers assembly. Different arrangements can be set up to adapt the safety gear to the blade width.
- 2.4. The certificate affects to the gripping elements and does not include either the connection elements, safety gear rods, or the actuation of the electric safety device.



2.5. When the device is used as braking device against ascending overspeed (ACOP) [5.6.6], the permissible braking force of the device shall be used in such a way that the top retardation does not reach $1 g_n$ with empty car moving upwards. The responsibility to comply with this premise is under the installer of the lift. Furthermore, the retardation must be at least enough to, in the worst case if the counterweight hits its buffers, hit them at a speed not greater than the rated speed.

2.6. The stated mass may differ from the permissible mass by 7.5 %.

2.7. This device must be used according to the conditions stated in EN 81-20. The rated speed shown in section 1.2 and 1.3 is the maximum permissible one, For the tripping speed it should be considered what is stated in [5.6.2.2.1.1.a)4)] regarding the recommended tripping speed for a given rated speed when it is greater than 1.0 m/s

2.8. It shall be placed an identifiable plate on the device with the following items:

- Manufacturer's name,
- Type-examination mark and its references, ⁽¹⁾
- Permissible load range or adjustment parameter, ⁽²⁾
- Guide rail type for which the device is adapted, ⁽³⁾

⁽¹⁾ The marking of the device is done as part of the protection system to which it belongs (please see section 2.1). The CE marking only refers to the part concerning the means of protection against free fall [5.6.2.1] and against ascending car over-speed [5.6.6].

⁽²⁾ In case the marking of the device shows the adjustment parameter instead of the permissible load range, it shall be made available in the instruction manual the relation between this parameter and the adjusted permissible mass.

⁽³⁾ In order to adapt the device to different blade widths there are constructive differences. The marking shall include either the guide rail type (by its reference) or the rail blade width for which the device is adapted.

2.9. Test laboratory.

Test report

AIMME – Instituto Tecnológico Metalmecánico
Parque Tecnológico. Avda. Leonardo Da Vinci, 38
46980 Paterna (VALENCIA)

1333/98 (28.04.1998), 1334/98 (28.04.1998)
S00-00135 (07.03.2000), S00-00016 (03.03.2000)
S00-00017 (03.03.2000),

2.10. The following documents are enclosed to this certificate:

NUMBER	DATE	TITLE
DYN 05.C004.00	13.07.2015	CONJUNTO PR-2500 UD V.35
DYN 05.C003.01	30.10.2014	CONJUNTO PR-2500 UD V.50

These documents are enclosed in order to provide identification and information about the basic design of the safety component.

2.11. This certificate has not an expiry date except in case of design modifications, that the manufacturer must communicate to this Notified Body previously to the modifications be effective; changes in the applicable legislation or technical changes in the standards of reference for which the expiry date shall be the deadline provided by the regulation, or the date when the standard of reference ceases to provide presumption of conformity.

2.12. Replacements and modifications. This component was certified under Directive 95/16/EC with the following certificate

ATI/LD-VA/M065A-3/11 (05.30.2011).



2.13. Other inspection reports issued by TÜV SÜD ATISAE that are applicable to this certificate are:

MD_EVN_110058 (05.30.2011) MD_DEU_111243.002 (05.30.2011)

2.14. **Safety gear as UCMP stopping element.** The safety gear can be used as stopping element for UCMP following the provisions of EN 81-20. The stopping ability of the device has been tested at different speeds including low speed. For different reasons it is not possible to provide stopping distances because they depend on the loads and suspension layout involved. The application to a specific lift must consider the tests of EN 81-50 [5.8]

2.15. **Updates log.**

REV	Date	Modification
0	07.21.2015	First issue.
1	04.21.2016	Updating of references to Directive 2014/33/EU.
2	09.20.2022	Updating to the 2020 edition of the harmonized standards



A

B

C

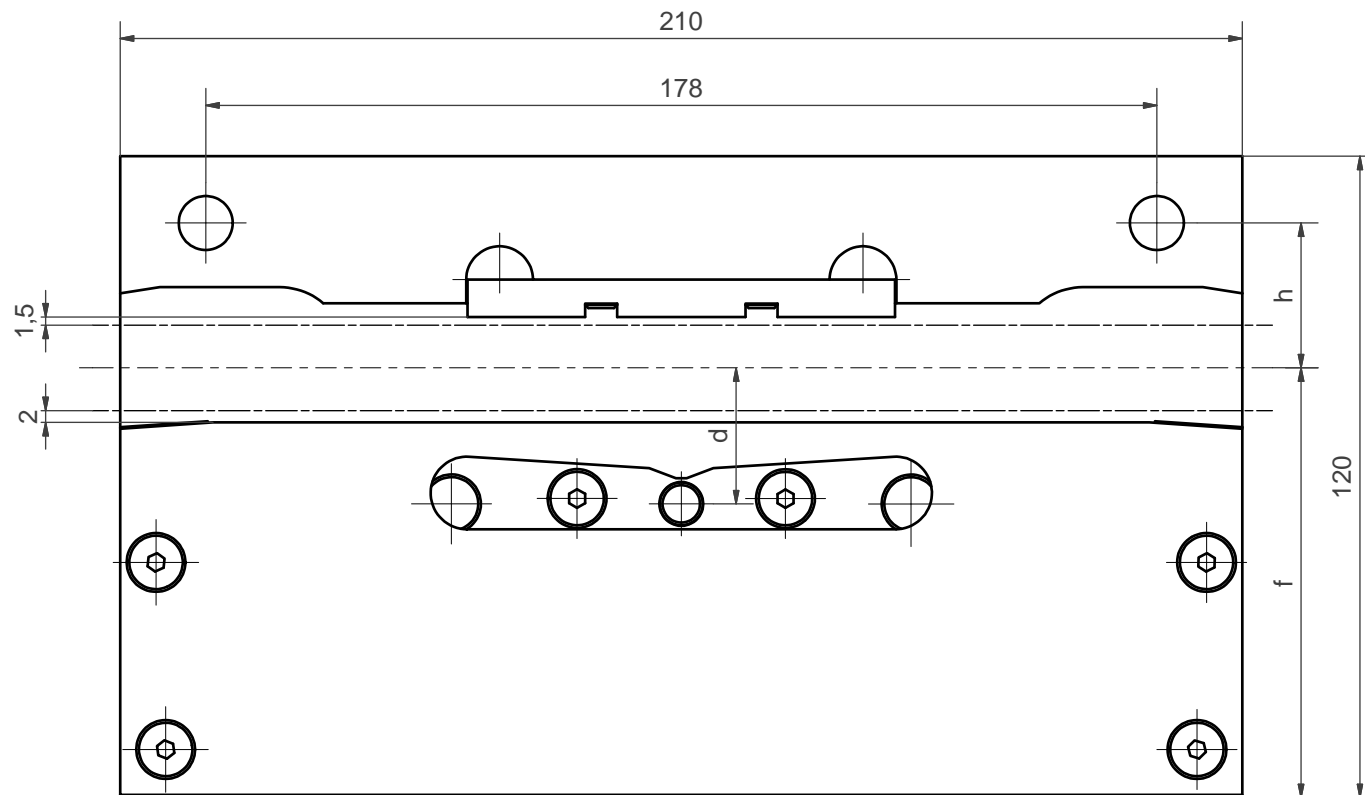
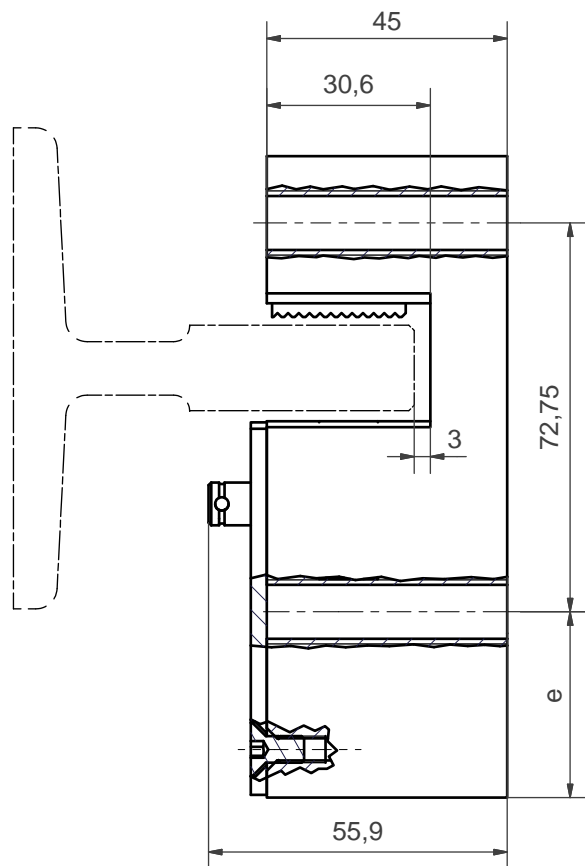
D

A

B

C

D



*	d (mm)	f (mm)	e (mm)	h (mm)
7	21,029	75,9	31,25	28,1
8	21,529	76,4	31,25	27,6
9	22,029	76,9	31,25	27,1
10	22,529	77,4	31,25	26,6
11	23,029	77,9	32,75	27,6
12	23,529	78,4	32,75	27,1
13	24,029	78,9	32,75	26,6
14	24,529	79,4	34,75	28,1
15	25,029	79,9	34,75	27,6
15,88	25,469	80,34	34,75	27,16
16	25,529	80,4	34,75	27,1

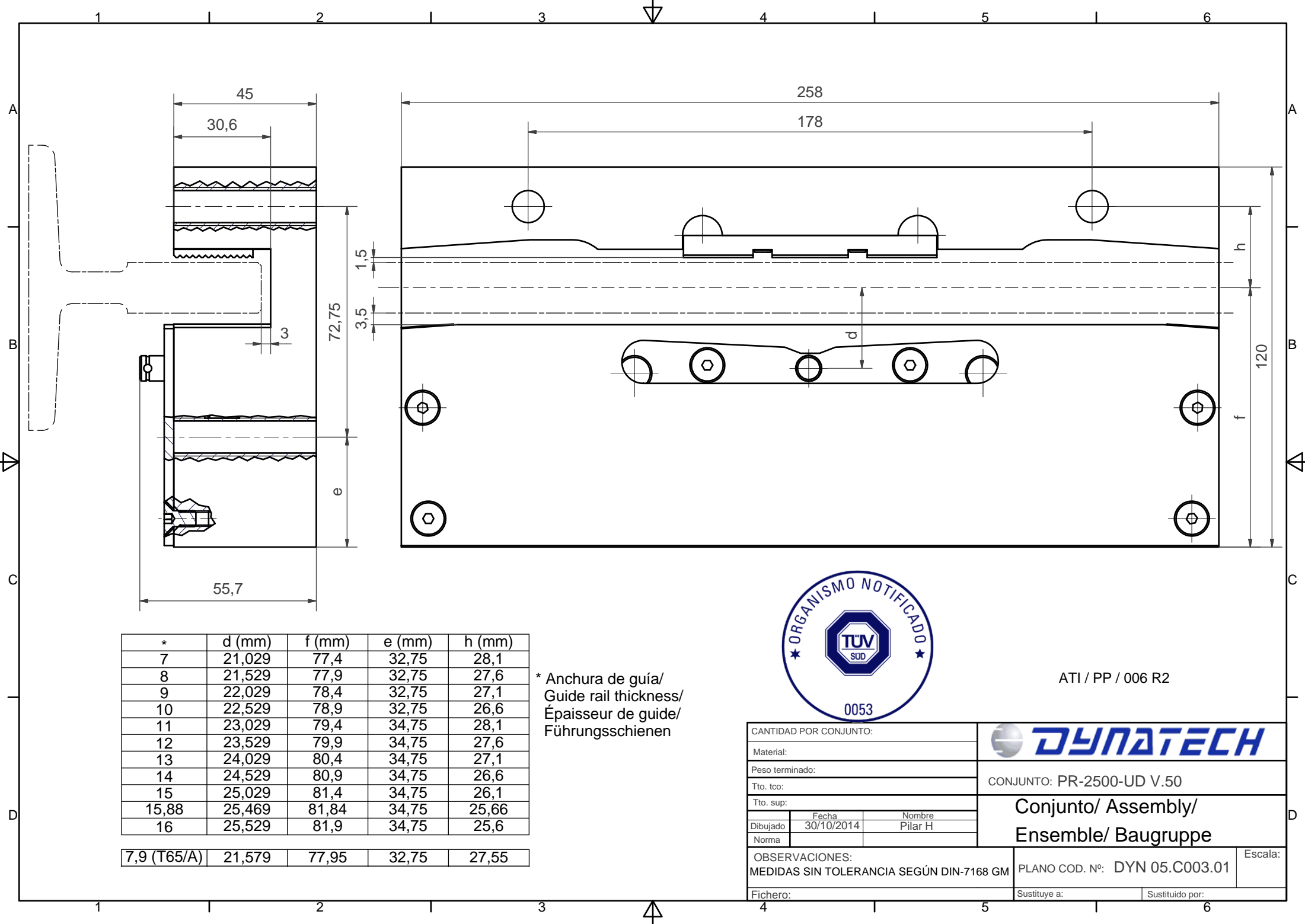
7,9 (T65/A)	21,579	76,45	31,25	27,55
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* Anchura de guía/
Guide rail thickness/
Épaisseur de guide/
Führungsschienen

ATI / PP / 006 R2

CANTIDAD POR CONJUNTO:			
Material:			
Peso terminado:			
Tto. too:			
Tto. sup:			CONJUNTO: PR-2500-UD V.35
Dibujado	Fecha	Nombre	Conjunto/ Assembly/ Ensemble/ Baugruppe
13/07/2015	DYNATECH		
OBSERVACIONES:			PLANO COD. Nº: DYN 05.C004.00
MEDIDAS SIN TOLERANCIA SEGÚN DIN-7168 GM			
Escala:			
Fichero:			Sustituye a: Sustituido por:



ATI / PP / 006 R2

CANTIDAD POR CONJUNTO:			
Material:			
Peso terminado:			
Tto. tco:			
Tto. sup:		CONJUNTO: PR-2500-UD V.50	
Dibujado	Fecha 30/10/2014	Nombre Pilar H	Conjunto/ Assembly/ Ensemble/ Baugruppe
Norma			
OBSERVACIONES: MEDIDAS SIN TOLERANCIA SEGÚN DIN-7168 GM			PLANO COD. Nº: DYN 05.C003.01
Fichero:			Escala:
Sustituye a:			Sustituido por: