

**TIMONERIA EXTENSIBLE/
EXTENSIBLE DRIVING BAR/
BARRE DE COMMANDE EXTENSIBLE/
AUSZIEHBARES AUSLÖSEGESTÄNGE**

T1 CW

**INSTRUCCIONES DE USO Y MANUTENCIÓN/
INSTRUCTIONS FOR USE AND MAINTENANCE/
INSTRUCTIONS D'USAGE ET ENTRETIEN/
GEBRAUCHS- UND WARTUNGSANLEITUNG/**

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SECTION	DESCRIPTION				EFFECTIVE CHANGE DATE

INSTRUCTIONS FOR USE AND MAINTENANCE

1	INTRODUCTION.....	3
2	INSTRUCTIONS FOR USE AND MAINTENANCE	3
3	MANUAL ASSEMBLY OF THE T1 CW DRIVING BAR	3
3.1	ARMS AND HANDLES ASSEMBLY	3
3.2	ATTACHING THE GOVERNOR LINKAGE	4
3.3	BASE PLATE ASSEMBLY	5
3.4	JOINING THE BASE PLATES AND ARMS.....	5
3.5	ATTACHING THE TENSIONER AND SPRING.....	6
3.6	INSERTING THE DRIVING BAR SHAFT	6
3.7	SAFETY CONTACT OPTION	7
3.8	ACTIVATION OF DRIVING BAR T-1 CW.....	8
4	ASSEMBLY DRAWINGS.....	8

1 INTRODUCTION

The T1 CW driving bar is specially designed to adapt the safety gear to the counterweight. Its reduced size and simplicity of assembly makes it an ideal product for its location on counterweights.

The assembly of this driving bar is detailed below.

2 INSTRUCTIONS FOR USE AND MAINTENANCE

These are very simple components that require no special maintenance. The most important points to bear in mind are the following:

- i. The assembly instructions for each driving bar must be observed.
- ii. The driving bar component screws, and those used to adjust and fasten the driving bar to the frame, must be tightened to their corresponding tightening torque to ensure none becomes loose, which may result in the driving bar performing inadequately.
- iii. The driving bar position in the frame must be appropriate for the proper performance of the safety gear, and prevent it from interfering with the shaft equipment or the guide rails themselves.
- iv. Avoid knocks or dents.

3 MANUAL ASSEMBLY OF THE T1 CW DRIVING BAR

After receiving the DRIVING BAR (T1 CW), unpack all the components and make sure they are all included by comparing them with the attached list of components (DYN 100.C02, DYN 100.C03).

3.1 ARMS AND HANDLES ASSEMBLY

Attach each of the two arm shafts (2) to a support (4) using a DIN 912 M8 x 25 screw (15) and a DIN 6798 M8 toothed washer (14), and then attach these to a handle (5) using 2 x DIN 933 8.8 M8 x 16 screws (12) and 2 x DIN 9021 M8 washers (13). See Figure 1.

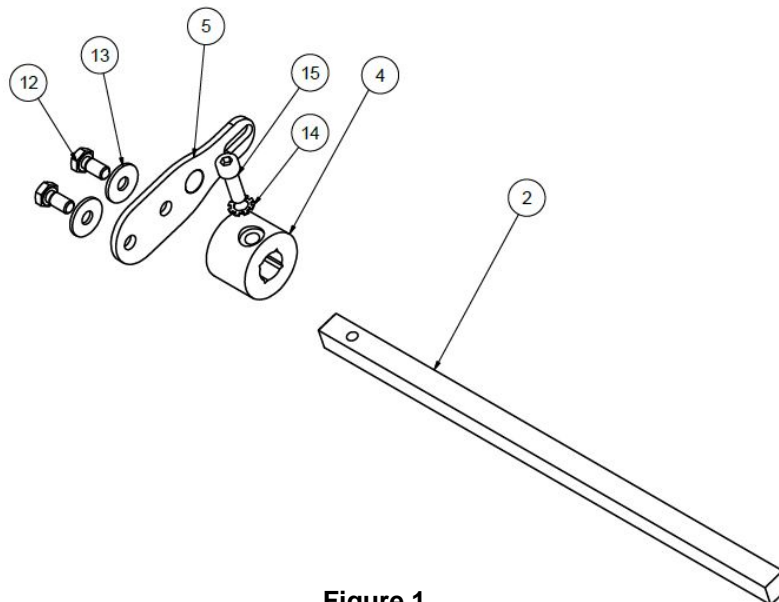


Figure 1

3.2 ATTACHING THE GOVERNOR LINKAGE

Insert one of the arms, screwed to the handle, into the governor linkage (22) using the DIN 125-1 B B 10.5 washer (20) and the DIN 471 10 x 1 (21) circlip. See Figure 2.

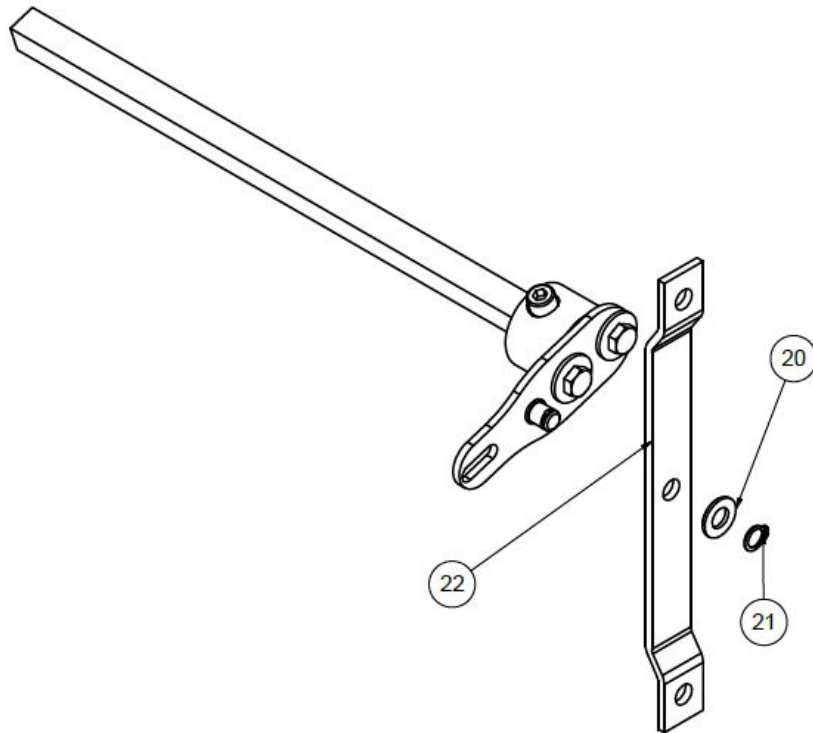


Figure 2

3.3 BASE PLATE ASSEMBLY

During assembly, it must be taken into account that both the base plates (6 and 7) and the support bushings (8 and 28) have different shapes on the right and left sides. Make sure the grooves on the base plate are always facing down (see Figure 4). Also, check that the flat face of the bushing is parallel to the plate grooves, with the thread oriented towards the lift frame at all times, as shown in Figure 4. The rest of the components can be used on either side.

Insert a nylon bushing (10) in each of the base plates, as indicated in Figure 3, then insert the support bushing (8) on the opposite side to the nylon bushing, and join them together by a safety ring (18) using needle nose pliers. Finally, insert a DIN 912 8.8 M8 x 16 screw (16) into each support bushing. See Figure 3.

NB. The base plates (6) and (7) are different.

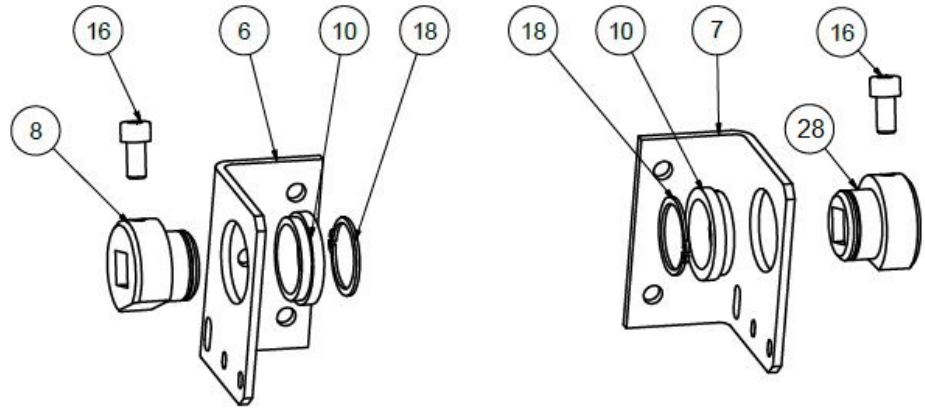


Figure 3

3.4 JOINING THE BASE PLATES AND ARMS

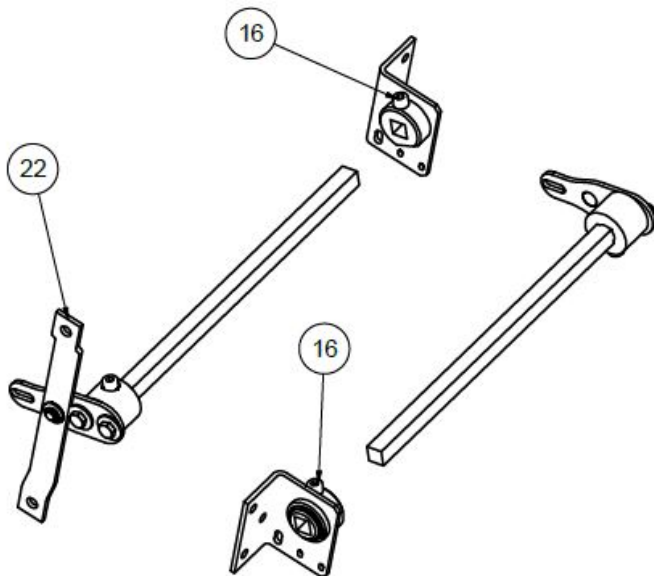


Figure 4

Before attaching the base plates to the arms, differentiate which base plate belongs to which side of the driving bar. Insert the arm with the governor linkage (22) into the plate on the side where the overspeed governor will be located, and the other on the opposite side. Tighten the support bushing screw (16) on the shaft, so that both are joined. See Figure 4.

3.5 ATTACHING THE TENSIONER AND SPRING

Put the tensioner (1) and the spring (11) on the left side of the driving bar and, if possible, where the governor linkage (22) is located. Insert the spring in the arm on that side, followed by the tensioner. Attach the spring to the tensioner using the DIN 7991 8.8 M6 x 10 screw (17) and hook the other end of the spring into the biggest slot on the base plate. Finally, fix the tensioner to the driving bar using the 2 x DIN 913 - 45H M6 x 8 set screws (19). Pre-tension the tensioner first, so that the spring forces the handle to be held down. See Figure 5.

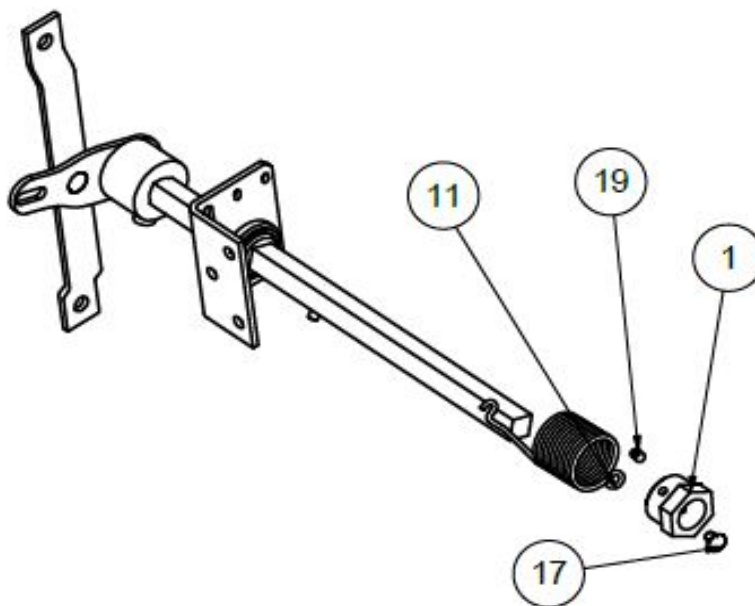


Figure 5

3.6 INSERTING THE DRIVING BAR SHAFT

Screw the ends of the driving bar shaft (9) to each of the arms, using DIN 912 8.8 M6 x 20 screws (23). See Figure 6.

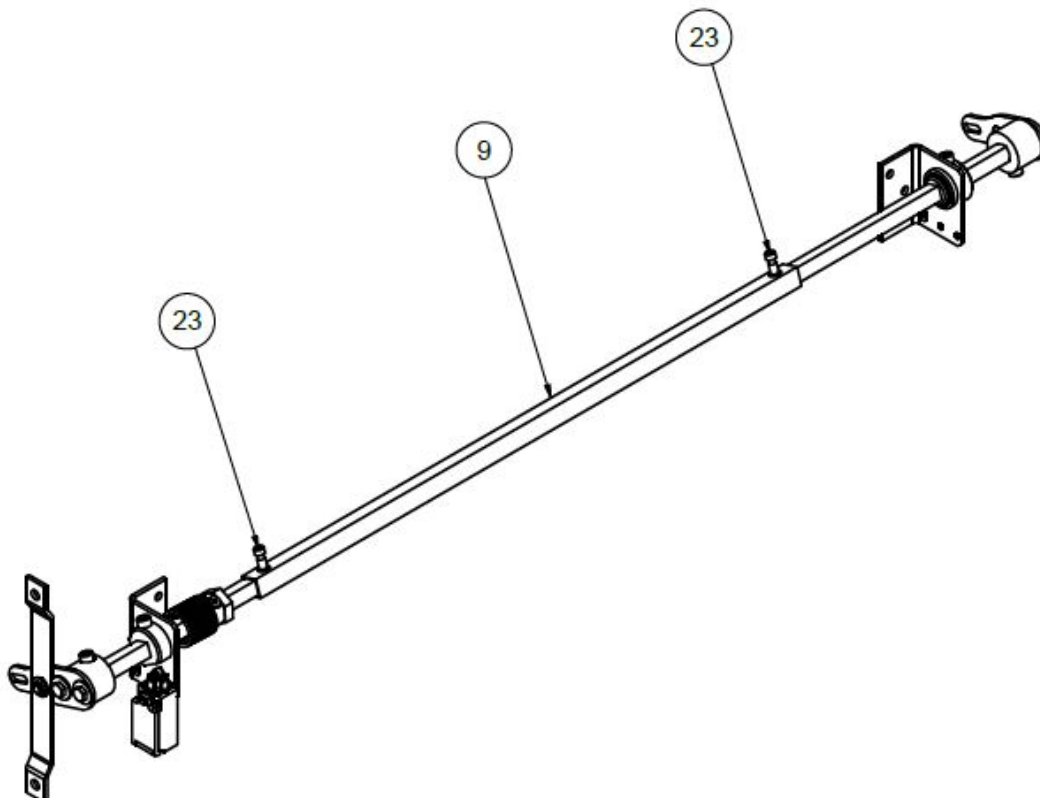


Figure 6

3.7 SAFETY CONTACT OPTION

The safety contact (3) is placed on the lower support (6), as indicated in Figure 7. The lower face of the contact is aligned with the lower face of the support to put the contact in the correct position, as seen in Figure 18. The contact (3) is secured by inserting 2 x DIN 933 M4 x 35 screws (26), 2 x DIN 125 M4 washers (24), 2 more DIN 6798 M4 washers (24) and 2 x DIN 934 M4 nuts (27). This ensures the contact is not actuated in the driving bar rest position but will be triggered when the driving bar operates.

This is valid for the two supports, although they should be placed on the support where the governor linkage (8) is located.

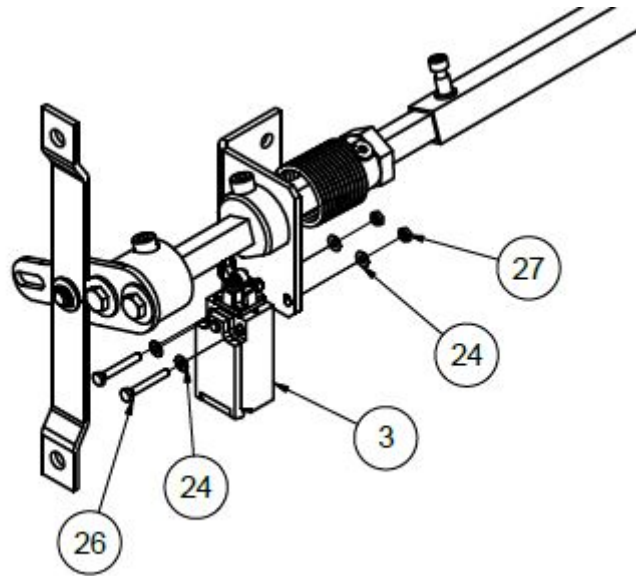


Figure 1

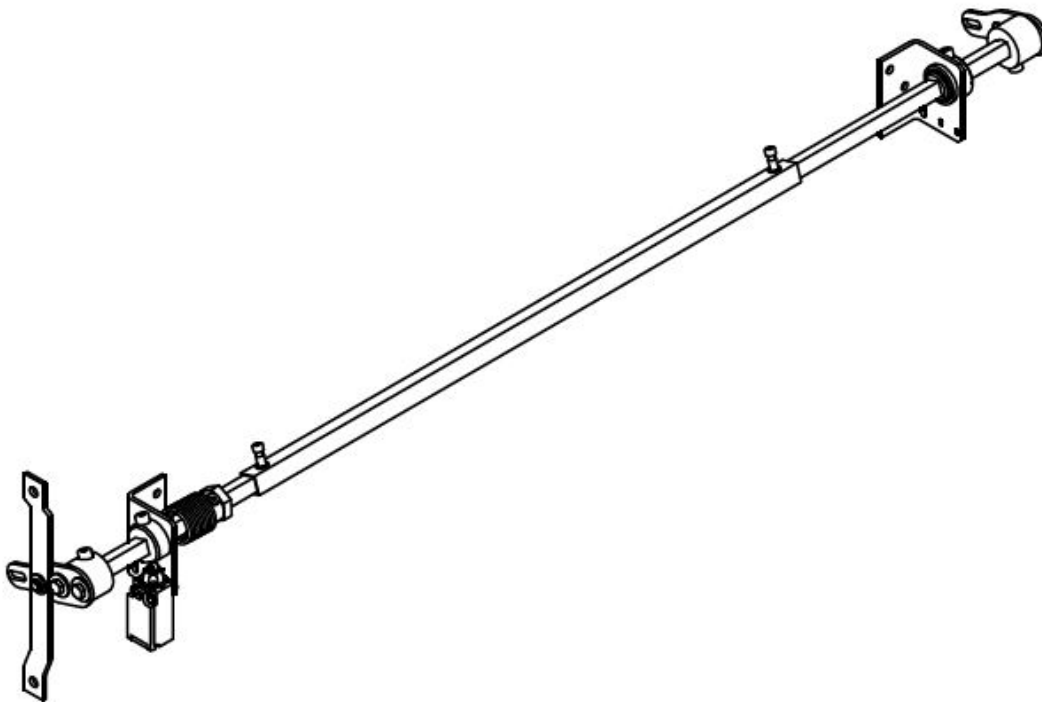


Figure 8: Final assembly

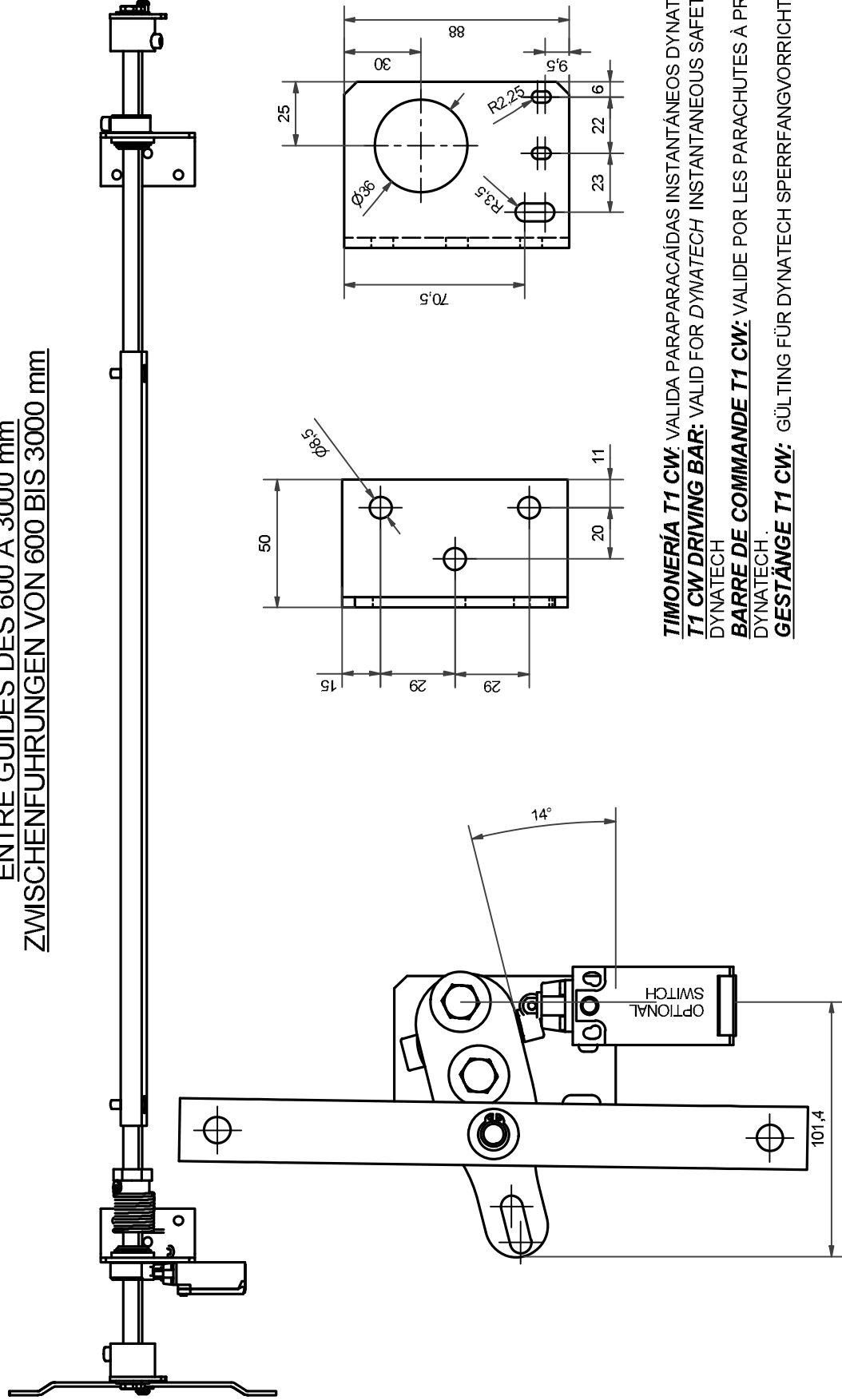
3.8 ACTIVATION OF DRIVING BAR T-1 CW

The force required to activate the driving bar and bring the safety gear roller into contact with the guide rail is 150 N. This force overcomes the force of the spring returning the safety gear to its initial position.

4 ASSEMBLY DRAWINGS

- DYN 100.C02
- DYN 100.C03

DISTANCIA ENTRE GUÍAS DE 600 A 3000 mm
DISTANCE BETWEEN GUIDE RAILS FROM 600 TO 3000 mm
ENTRE GUIDES DÈS 600 À 3000 mm
ZWISCHENFUHRUNGEN VON 600 BIS 3000 mm

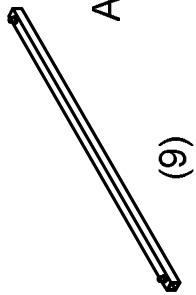


TIMONERÍA T1 CW: VALIDA PARAPARACAÍDAS INSTANTÁNEOS DYNATECH
T1 CW DRIVING BAR: VALID FOR DYNATECH INSTANTANEOUS SAFETY GEARS
 DYNATECH
BARRE DE COMMANDE T1 CW: VALIDE POR LES PARACHUTES À PRISE INSTANTANEE
 DYNATECH.
GESTÄNGE T1 CW: GÜLTIG FÜR DYNATECH SPERRFANGVORRICHTUNG

Size of Arms Axles and Driving Bar Axles for the different Between Guide Rails	Driving Arm Axles	Between Guide Rails
350	300	600 TO 800
350	360	800 TO 900
725	360	900 TO 1300
725	450	900 TO 1500
725	700	1400 TO 2000
1200	1000	2000 TO 3000

CANTIDAD POR CONJUNTO:		CONJUNTO: T1 CW	
Material:			
Peso terminado:			
Tto. to:			
Tto. sup:			
Dibujado	Fecha	Nombre	
Norma	18/07/19	DYNATECH	
OBSERVACIONES:		PLANO COD. Nº: DYN 100.C02.00	
MEDIDAS SIN TOLERANCIA SEGÚN DIN-7168 GM		Escala:	
Fichero:	Sustituye a:		Sustituido por:

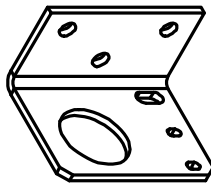




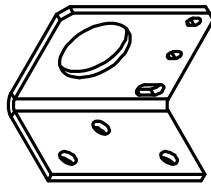
1 Eje timonería/
Driving bar axle/
Axe barre de commande/
Gestängeachse
(9)



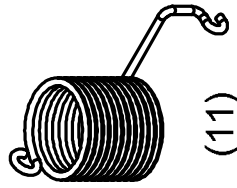
2 Ejes brazo/
Arms axles/
Axes bras/
Armachsen
(2)



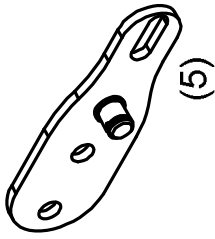
1 Placa base izquierda/
Left mounting plate/
Plate base gauche/
Grundplatte links
(6)



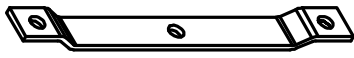
1 Placa base derecha/
Right mounting plate/
Plate base droite/
Grundplatte rechts
(7)



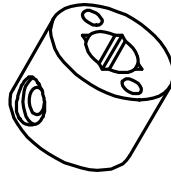
1 Muelle/
Spring/
Ressort/
Feder
(11)



2 Tiradores/
Handles/
Tireurs/
Zuggriffe
(5)



1 Amarre limitador/
Governor linkage/
Arrimage limiteur/
Begrenzerbefestigung
(22)



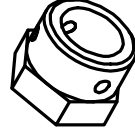
2 Soporte brazo/
Arm supports/
Supports bras/
Armhalter
(4)



1 Buje de apoyo
derecho/
Right support caps/
Bague appui droit/
Stützbuchse rechts
(28)



1 Buje apoyo
izquierdo/
Left support caps/
Bague appui
gauche/
Stützbuchse links
(8)



1 Tensor/
Tensor/
Tendeur/
Begrenzerbefestigung
(1)



2 Casquillos de
nylon/
Nylon tips/
Douilles nylon/
Nylon büchse
(10)

CANTIDAD POR CONJUNTO:		
Material:	CONJUNTO: T1 CW	
Peso terminado:		Lista de componentes idiomas
Tto. to:		
Tto. sup:		
Dibujado	Nombre Dynatech	
Fecha 10/07/19		PLANO COD. N°: DYN 100.C03.00
Norma		Escolar:
OBSERVACIONES: MEDIDAS SIN TOLERANCIA SEGÚN DIN-7168 GM		
Fichero:		Sustituido por:

TORNILLERIA DE LA TIMONERIA T100 CW / SCREWS OF THE T100 CW DRIVING BAR / VISSERIE DE LA BARRE DE COMMANDE T100 CW / SCHRAUBEN DES AUSLÖSEGESTÄNGE T100 CW

- 4 Tornillos / Screws / Vises / Schrauben DIN 933 8.8 M8x16
- 2 Tornillos / Screws / Vises / Schrauben DIN 912 8.8 M8x16
- 2 Tornillos / Screws / Vises / Schrauben DIN 912 8.8 M6x20
- 2 Tornillos / Screws / Vises / Schrauben DIN 912 8.8 M8x25
- 1 Tornillos / Screws / Vises / Schrauben DIN 7991 10.9 M6x10
- 2 Anillos de seguridad / Security rings / Anneaux de sûreté / Sicherheitsringe DIN 471 30x1,5
- 1 Anillo de seguridad / Security ring / Anneaux de sûreté / Sicherheitsringe DIN 471 Ø 10
- 2 Espárragos allen DIN 913 8.8 M6x8
- 4 Arandelas de ala ancha / Washer / Rondelle / Unterlegscheiben DIN 9021 M8
- 2 Arandelas dentadas / Serrated washer / Rondelles éventails / Fächerscheibe DIN 6798 M8
- 1 Arandela plana / Washer / Rondelle / Unterlegscheiben DIN 125 M10

CANTIDAD POR CONJUNTO:			
Material:			
Peso terminado:		CONJUNTO: T-1 CW	
Tto. to:			
Tto. sup:			
Dibujado	Fecha	Nombre	
	10/07/19	Dynatech	
Norma			
OBSERVACIONES:		Lista de tornillos	
MEDIDAS SIN TOLERANCIA SEGÚN DIN-7168 GM		PLANO COD. N°: DYN 100.C03.00	
Archivo:		Escala:	
4		Sustituye a:	
	5	Sustituido por:	
	6		