



*INSTRUCTIONS FOR USE*

**TROLLEY MOD. CRT160/CRT161/CRT162**

**TESMEC S.p.A.**

Headquarters

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## IMPORTANTE

*Per qualsiasi informazione riguardante questa macchina/attrezzatura (utilizzo, manutenzione, ricambi) citare sempre Modello, Numero di matricola, Commessa, Anno di fabbricazione rilevabile nella targa d'identificazione della macchina.*

Questo manuale non descrive le procedure di tesatura, né si è cercato di dare istruzioni all'utilizzatore sui metodi di tesatura. Il contenuto di questo manuale prevede unicamente un testo di base per l'uso, manutenzione e l'elenco dei pezzi di ricambio della macchina stessa e come s'intende e si suggerisce di utilizzarla. Saranno graditi suggerimenti da parte degli Utilizzatori per migliorare questa pubblicazione. Scriveteci all'indirizzo sottoindicato.

## IMPORTANT NOTE

*State always "Model, Serial Number and Manufacturing Year" of the machine/equipment in case you need information on use, maintenance and spare parts. The a/m data can be found on the identification plate of the machine itself.*

This is not a stringing procedures manual, and no attempt is made or implied herein to instruct the user in stringing methods. The contents of this manual are intended as base line for operation, maintenance and part list of the unit as it stands alone and as it is intended and anticipated to be used. Recommendation by the individual user for improving this publication is encouraged and should be forwarded to the address on this page.

## IMPORTANT

*Indiquer toujours le modèle, le numéro de série et l'année de fabrication de la machine/équipement même, en demandant à TESMEC renseignements sur l'utilisation, l'entretien et les pièces de rechange.*

*Ces informations se trouvent sur la plaque d'identification de la machine.*

Ce manuel ne décrit pas les procédures de déroulage, ni on a tache de donner instructions à l'Utilisateur sur les méthodes de déroulage. Le contenu de ce manuel prévoit seulement un texte pour l'utilisation, l'entretien et la liste de pièces de rechange et comme TESMEC conseille d'utiliser la machine même. Pour chaque suggestion pour améliorer cette machine, écrire à l'adresse au-dessous.

## IMPORTANTE

*Para cualquier información relativa a esta máquina/equipo (utilización, mantenimiento, repuestos) citar siempre Modelo, Número de serie, Orden de compra, Año de fabricación que se hallan en la tarjeta de identificación de la máquina.*

Este manual no describe los procedimientos de tensado y tampoco se ha tratado de dar instrucciones al utilizador acerca de los métodos de tensado. El contenido de este manual prevé únicamente un texto básico para el uso, mantenimiento y el listado de repuestos de la misma máquina y cómo se pretende y se sugiere utilizarla.

Se apreciarán sugerencias por parte de los utilizadores para mejorar esta publicación. Nos pueden escribir a la dirección indicada abajo.

## IMPORTANTE

*Para qualquer informação a respeito desta máquina/equipamento (utilização, manutenção, peças sobresselentes) citar sempre o Modelo, o Número de Série, a Encomenda, o Ano de fabrico, dados que podem ser encontrados na placa de identificação da máquina. Este manual não descreve os procedimentos de entesadura, tão pouco foi nossa intenção dar instruções ao utilizador sobre os métodos de entesadura. O conteúdo deste manual de instruções prevê unicamente um texto básico para o uso, a manutenção e a lista das peças sobresselentes da mesma máquina e como se entende e se sugere utilizá-la.*

Serão muito bem aceitas sugestões por parte dos Utilizadores, no intento de melhorar esta publicação. Escrevam-nos no endereço abaixo indicado.

## WICHTIG

*Geben Sie für alle Informationen über diese Maschine/Ausrüstung (Verwendung, Wartung, Ersatzteile) immer Modell, Artikelnummer, Bestellung und Baujahr an, welche Sie dem Identifizierungsschild der Maschine entnehmen können.*

Dieses Handbuch beschreibt nicht die Verfahren des Seilzug, und es wurde auch nicht versucht, dem Verwender Anleitungen über die Methoden des Seilzugs zu geben. Der Inhalt dieses Handbuchs enthält allein einen Basistext für den Gebrauch und die Wartung, die Ersatzteilliste der Maschine und außerdem, welche Verwendung für sie bezweckt und empfohlen wird. Wir freuen uns über Tipps von Seiten der Verwender, um diese Veröffentlichung zu verbessern.

Schreiben Sie uns an unten angegebene Adresse.

## ВАЖНОЕ ПРИМЕЧАНИЕ

*Всегда следует указывать модель, серийный номер и год выпуска машины/оборудования в случае, если Вам необходима информация по эксплуатации, техническому обслуживанию и запасным частям.*

*Вышеупомянутые данные можно найти на паспортной табличке на самой машине.*

Это — не руководство по методикам натяжения, и здесь не делается никаких попыток инструктирования пользователя способам натяжения, и они не подразумеваются. Цель настоящего руководства состоит только в том, чтобы дать описание эксплуатации и технического обслуживания, а также список запасных частей машины, и указать ее назначение и рекомендуемое использование. Рекомендации отдельных пользователей по улучшению данной публикации приветствуются, и их следует направлять по адресу, указанному в руководстве.

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# 1. INSTRUCTIONS MANUAL

## 1.1 MANUFACTURER'S DATA

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## 1.2 MACHINE'S DATA

- NAME TROLLEY
- MODEL CRT160/CRT161/CRT162
- WORKING NUMBER .....
- MANUFACTURING YEAR .....

### 1.3 INTRODUCTION

This manual contains the necessary information for the use and the maintenance of the TESMEC equipment.

To get the optimum performance and the correct working of the machine please follow these instructions.

Due to TESMEC's program of constant improvement, materials and specifications are subjected to change without notice or obligation.

***THE REPRODUCTION, EVEN PARTIAL, OF THE PICTURES AND/OR THE TEXT IS FORBIDDEN.***

#### 1.3.1 CARE OF THE INSTRUCTION MANUAL

- a) Before using the equipment, the chief of the job site and the operator must read the instruction manual.
- b) The information contained in the instruction manual applies to all the operators charged with the use and/or the maintenance of the equipment.
- c) The chief of the job site is obliged to inform all the operators about the instructions contained in the manual.

In particular, it is necessary that before using the equipment the operator know exactly the operations to be carried out.

Moreover, the operator must be able to carry out all the operations described in the manual, being sure to have understood the safety directives and to apply them correctly during the use and maintenance operations.

The operator must know the directives for accident prevention.

- d) The chief of the job site must verify that the instructions contained in the manual are applied.
- e) The instruction manual must be kept, in order to be consulted, for all the life of the equipment and also when it is given to another user.
- f) The instruction manual must be kept in a sheltered and dry place.
- g) The instruction manual is not a training manual.

#### 1.3.2 RESPONSIBILITY

- a) Only employed and qualified operators must use the equipment.
- b) The equipment must be used **only** for the work it was designed for.
- c) **The manufacturer is not responsible for any use not in compliance with the given instructions that could cause damages to persons and/or things:**
  - improper use of the equipment or for the consequences caused by tampering and/or modifications carried out without the manufacturer's written acceptance
  - use of not original spare parts
  - bad maintenance
  - total or partial non-performance of the instructions for use.

### 1.3.3 PREVENTION MEASURES TO BE CARRIED OUT BY THE USER

- 1) To observe peremptorily the directives for accident prevention in force in the relevant countries.
- 2) To follow all the indications of warning and caution.
- 3) Use always the following necessary individual means of work: GLOVES, BOOTS, PROTECTION HELMET, etc.

The operator in charge with the installation and maintenance of the equipment must use **suitable clothes** to the working site and to the situation where he finds himself; in particular he must avoid the use of very large clothes, chains, bracelets, rings or whatever can get entangled with moving parts.

- 4) The operator must not carry out on his own initiative operations or interventions which are not up to him.

### 1.3.4 CONDITION OF USE

The equipment is designed for being used by qualified personnel in the working sites. The equipment cannot be used when not authorised personnel are present on the working site.

### 1.3.5 USE NOT ALLOWED

The equipment **MUST NOT BE USED**:

- to transport tools different from those to be used on the line
- with a working load higher than the one indicated on the plate for the data
- with safety devices disengaged.

### 1.3.6 NORMS ABOUT MAINTENANCE

- Do not modify for any reason parts of the equipment (connections, drillings, finishing, etc.: **the customer is liable for any types of interventions not authorised by Tesmec S.p.A.** because in this case he becomes the manufacturer.
- All maintenance operations, either ordinary or extraordinary, have to be carried out following the descriptions listed in the present manual or on the basis of technical specifications written by the manufacturer. The non-respect of this point declines the manufacturer from any responsibility and the guarantee conditions have no value.



Do not tamper or modify any mechanical or electric component without a clear written authorisation.

- Eventual modifications must be authorised by the manufacturer.

In case the equipment is used outside its limits of use or changing somehow the prerogative features of Tesmec S.p.A., Tesmec S.p.A. declines any responsibility for this.



**It is absolutely forbidden to effect maintenance works with running equipment (except for the ones indicated in the use and maintenance book).**



**When the equipment is working, the contact with any part of it is absolutely forbidden (except for the ones indicated in the use and maintenance book).**

### 1.3.7 LIFTING AND TRANSPORT

- For lifting the equipment, use ropes suitable to its weight.
- Lift the equipment using the lifting points indicated in table 1.2, pos.18.

Any other system **ANNULS THE INSURANCE GUARANTEE** for eventual damages occurred to the equipment.

### 1.3.8 STORAGE

- In any case of long inactivity of the equipment, the customer shall check the site where it is positioned and in relation to the type of storage (box, pallets, etc.) verify if the preservation condition is possible.
- Storage and use of the equipment have to be carried out paying attention in order to don't damage the same compromising its functionality.
- Tesmec S.p.A. declines any responsibility in case the user doesn't specify or require the above-mentioned information.

**THE NON-RESPECT OF THE PRESCRIBED RESTRAINS CAUSES A SITUATION OF IMPROPER USE FOR TECHNICAL AND PERSONS SAFETY PURPOSES AND RELIEVES TESMEC S.p.A. FROM ANY RESPONSIBILITY IN CASE OF ACCIDENTS TO PERSONS OR DAMAGES TO THINGS AND/OR TO THE MACHINE, CAUSING ALSO THE LOSS OF WARRANTY.**

### 1.3.9 APPLIED NORMS

Trolley is manufactured in conformity with the following norm:

**2006/42/CE** Norm of the European Parliament and Council, referring to the laws of the machines member States.

**2014/30/UE** Norm of the European Council, referring to the laws of the electromagnetic compatibility member States.

## 2. MOUNTING THE TROLLEY ON CABLES

- 1) Open the wheel holder booms acting on the pins (table 1, pos.3).
- 2) Detach motorized wheels' frame operating pins (table 1, pos.16).
- 3) Hook the lifting ropes to the frame (table 1, pos.18) and then put the trolley into the correct position.
- 4) Close the wheel holder booms connecting the chain (table 1, pos.2) to the pin (table, 1 pos. 5) Regulate the wheel holder booms operating pin (table, 1 pos.5) until it's possible to insert the pin (table, 1 pos. 3) into the frame
- 5) Assembly the motorized wheel's frame with pins (table 1, pos.16).
- 6) Connect the safety ropes (table 1 pos. 6) acting on the carabiners (table 1 pos.7).

## 3. HOW TO OVERCOME THE SPACERS OR THE SUSPENSION CHAINS

- 1) Take the trolley as near as possible to the obstacle to be overcome.
- 2) Operate on adjusting lever (table 1, pos.5). Increase tension in the chain (table 1, pos 2) to unload pin (table 1, pos. 3).
- 3) Open the boom no. 1 (table 2) acting on the pins (table 1, pos. 3).
- 4) Move the trolley forward and close the boom. Connect the chain (table 1, pos 2) to the boom and increase tension operating lever (table, 1 pos. 5) until it's possible to insert pin (table 1, pos. 3) to lock the boom.
- 5) Proceed as above mentioned for the other 3 wheels' holder booms.
- 6) Eventually remove the motorised wheels from the conductor acting on the pin (table 1, pos.9).

### NOTE:

**For boom no. 1 and 4 it could be necessary disconnect safety ropes (table 1 pos. 6) acting on the carabiners (table 1 pos. 7).**

## 4. TOWING UNIT USE (motorised version mod. CRT160/CTR162)

- a) Set the motorised wheels (table 1, pos. 8) in contact with the conductor acting on the stretcher (table 1, pos. 9).
- b) Adjust the motorised wheels pressure on the conductor, acting on the stretcher (table 1, pos. 9), as per the line slope, the conductor diameter and the ambient conditions (i.e. wet conductor). A high pressure between motorised wheels and conductor may produce over tensions in the conductor itself, as well as a high resistance during feed may compromise the trolley performances. On the contrary a low pressure between motorised wheels and conductor may produce the wheels slipping on the conductor.
- c) Speed up the engine acting on the suitable rope (table 1, pos. 10).
- d) Adjust the engine rpm and therefore the trolley speed acting on the lever (table 1, pos. 11).



## 5. MAINTENANCE

Periodically check the consistency of the brake pad.

The equipment does not need any lubrication, as the wheels are equipped with waterproof bearings.

### 5.1 HYDRAULIC CIRCUIT MAINTENANCE (motorised version mod. CRT160/CRT162)

- a) Change the hydraulic oil after 500 working hours and, thereafter, every 1500 hours (or in any case every year).
- b) To discharge the exhaust hydraulic oil, use the suitable tap in the tank.

**DANGER:** let the hydraulic oil be completely cooled before removing it and always use the suitable safety wears (gloves, etc.).

**ATTENTION:** the discharge of the exhaust oils has to be effectuated in conformity with the laws in force in the relevant country.

- c) Fill the oil in the tank by means of the suitable filler (table 1, pos. 12).

**ATTENTION:** make maximum care when filling to make sure no foreign matter, which could cause irreparable damages to the circuit's components, enters along with the oil; if possible filter the oil with a 10 µm filter.

- d) Replace the filter cartridge (table 1, pos. 14) after 500 working hours and, thereafter, every 1500 hours (or every year at least)

For further maintenance operations of installed hydraulic components (pumps and motors) refer to the enclosed documentation.





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TROLLEY MOD. CRT160/CRT161/CRT162

*TABLES*

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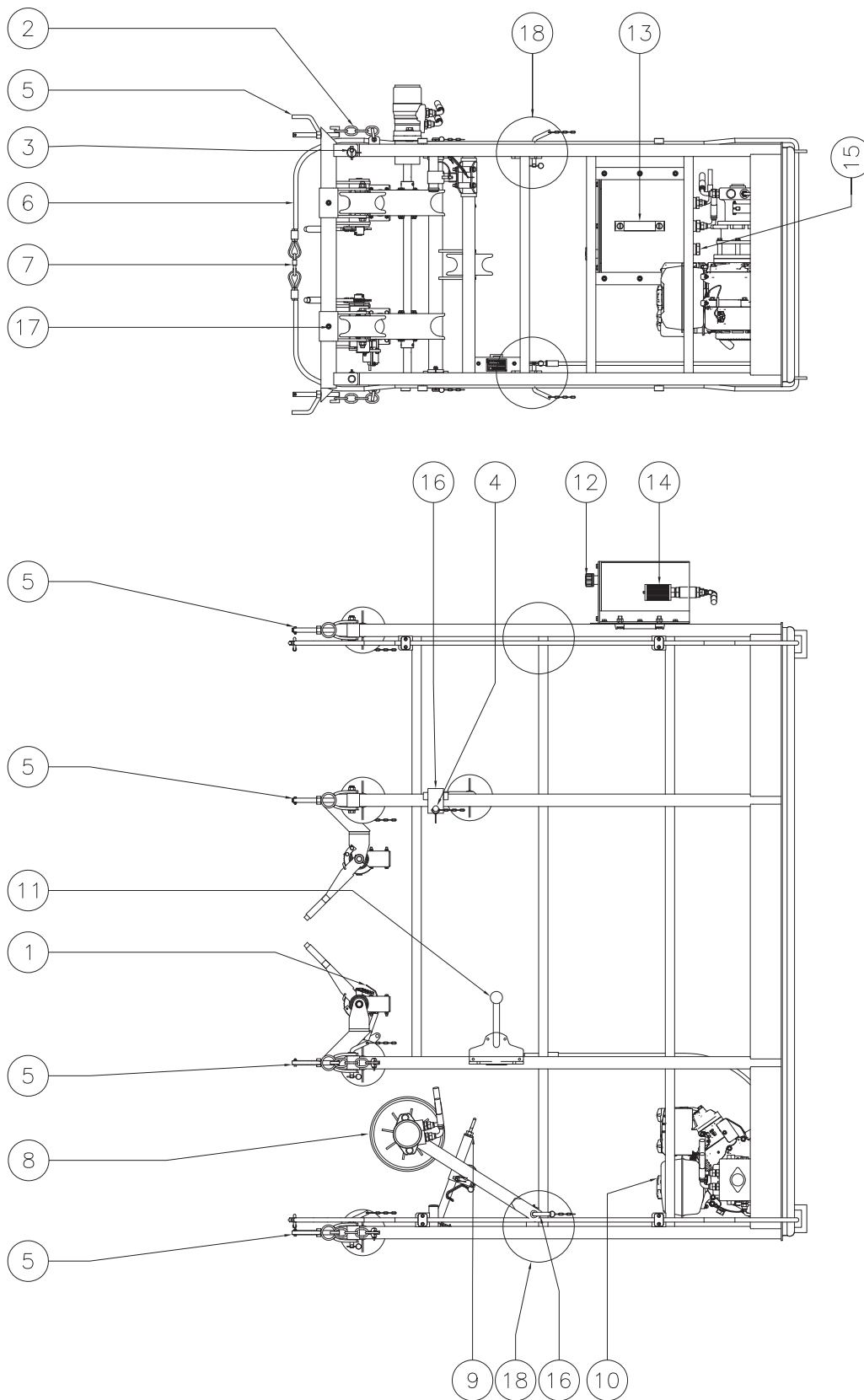


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## TABLE 1.2

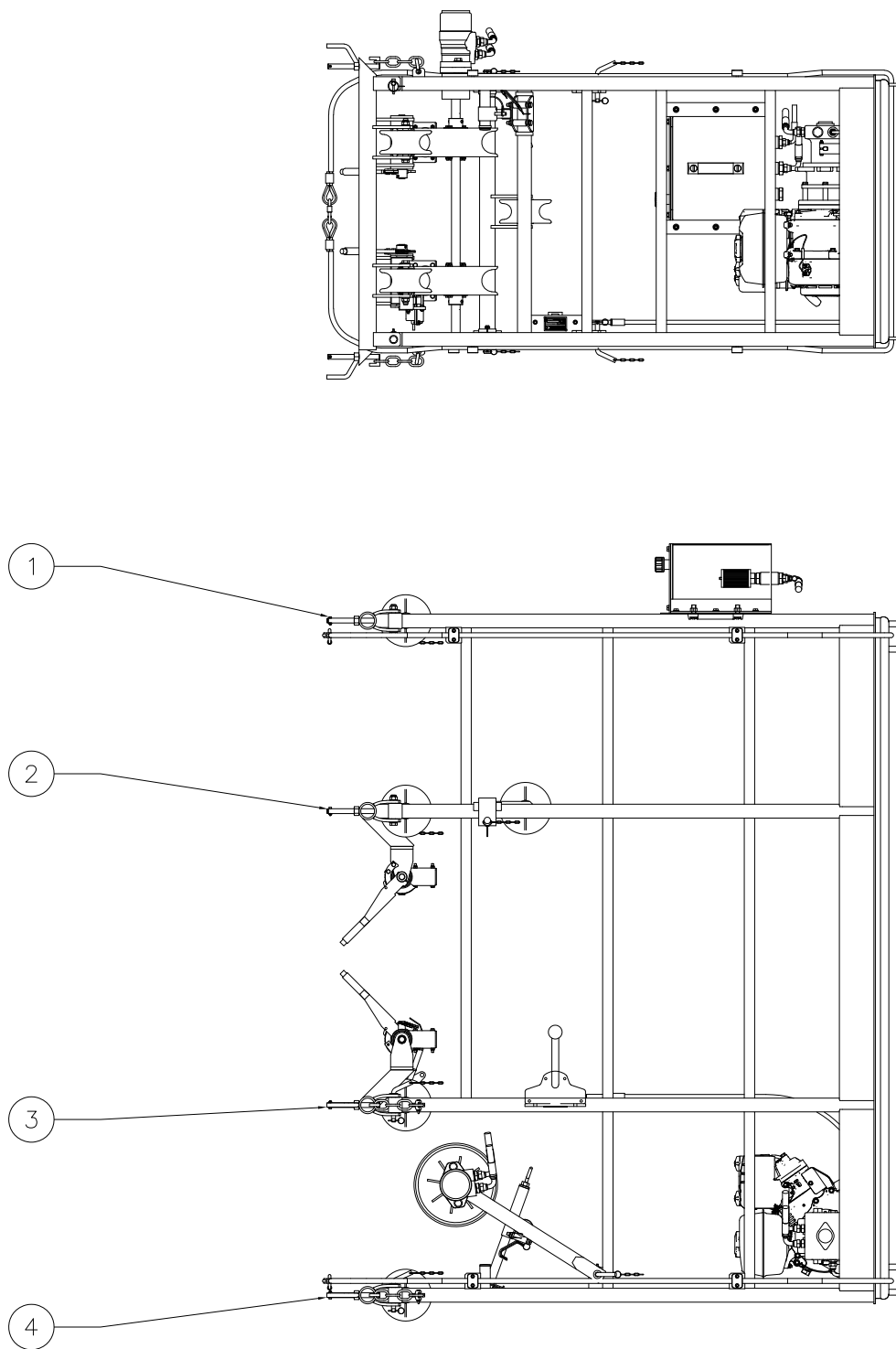
- 1) Meter counter.
- 2) Boom chain.
- 3) Safety pin.
- 4) Safety pin for lower boom.
- 5) Adjusting lever for holes' alignment.
- 6) Safety rope.
- 7) Carabiner.
- 8) Motorised wheels (motorised version mod. CRT160-CRT162).
- 9) Stretcher for motorised wheels adjusting (motorised version mod. CRT160-CRT162).
- 10) Rope for engine start-up (motorised version mod. CRT160-CRT162).
- 11) Accelerator (motorised version mod. CRT160-CRT162).
- 12) Hydraulic oil filling cap (AGIP OSO 46) (motorised version mod. CRT160-CRT162).
- 13) Hydraulic oil level indicator (motorised version mod. CRT160-CRT162).
- 14) Filter (motorised version mod. CRT160-CRT162).
- 15) Hydraulic oil draining plug (motorised version mod. CRT160-CRT162).
- 16) Motorized wheel's pin.
- 17) Wheel center distance adjustment pin (optional).
- 18) Equipment Lifting Points.

CARROZZINO - TROLLEY - CHARIOT - Mod. CRT



## **TABLE 2.1**

- 1) Wheels holder boom no. 1.
- 2) Wheels holder boom no. 2.
- 3) Wheels holder boom no. 3.
- 4) Wheels holder boom no. 4.





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TROLLEY MOD. CRT160/CRT161/CRT162

*ENCLOSED DOCUMENTS*

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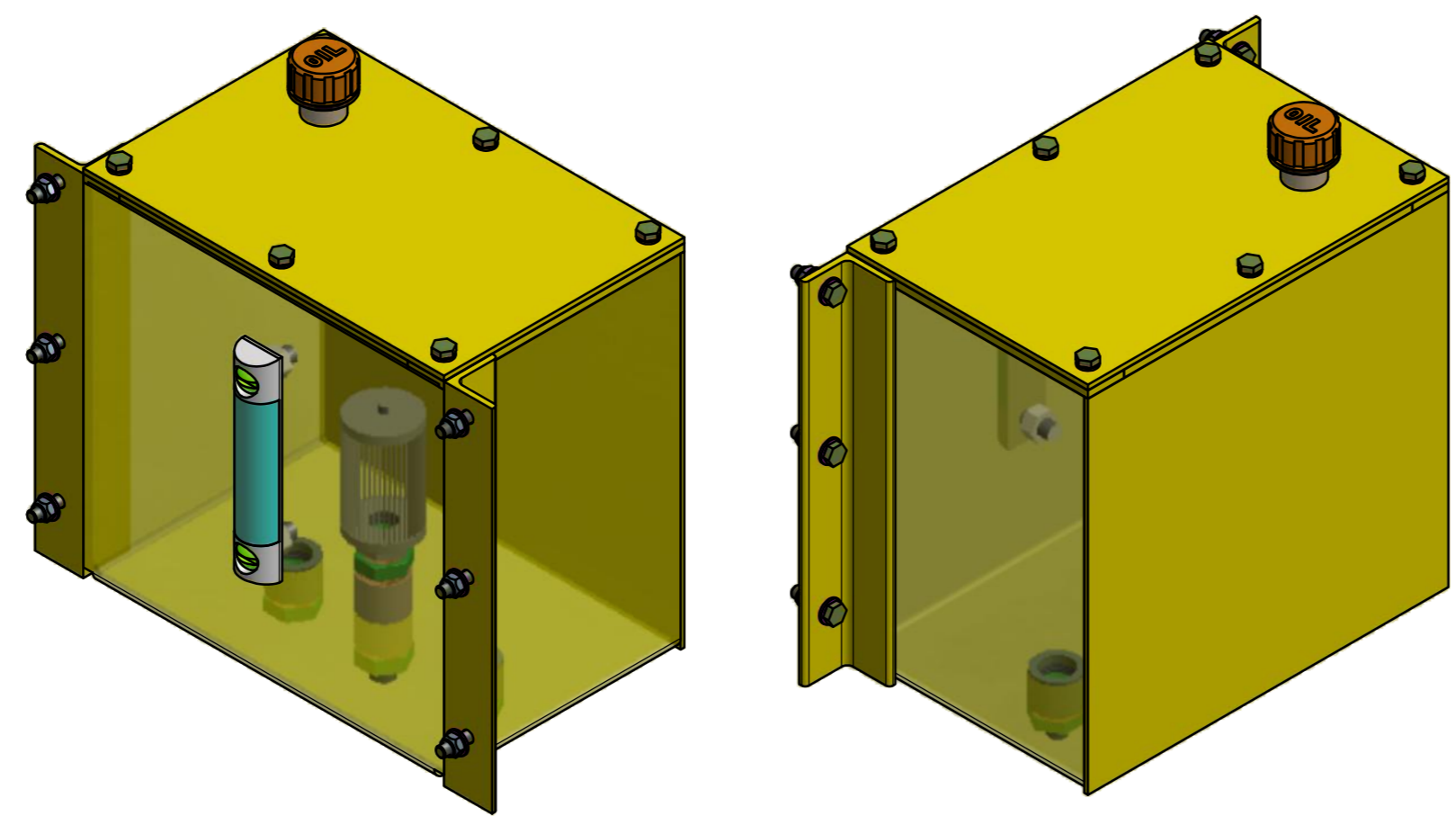
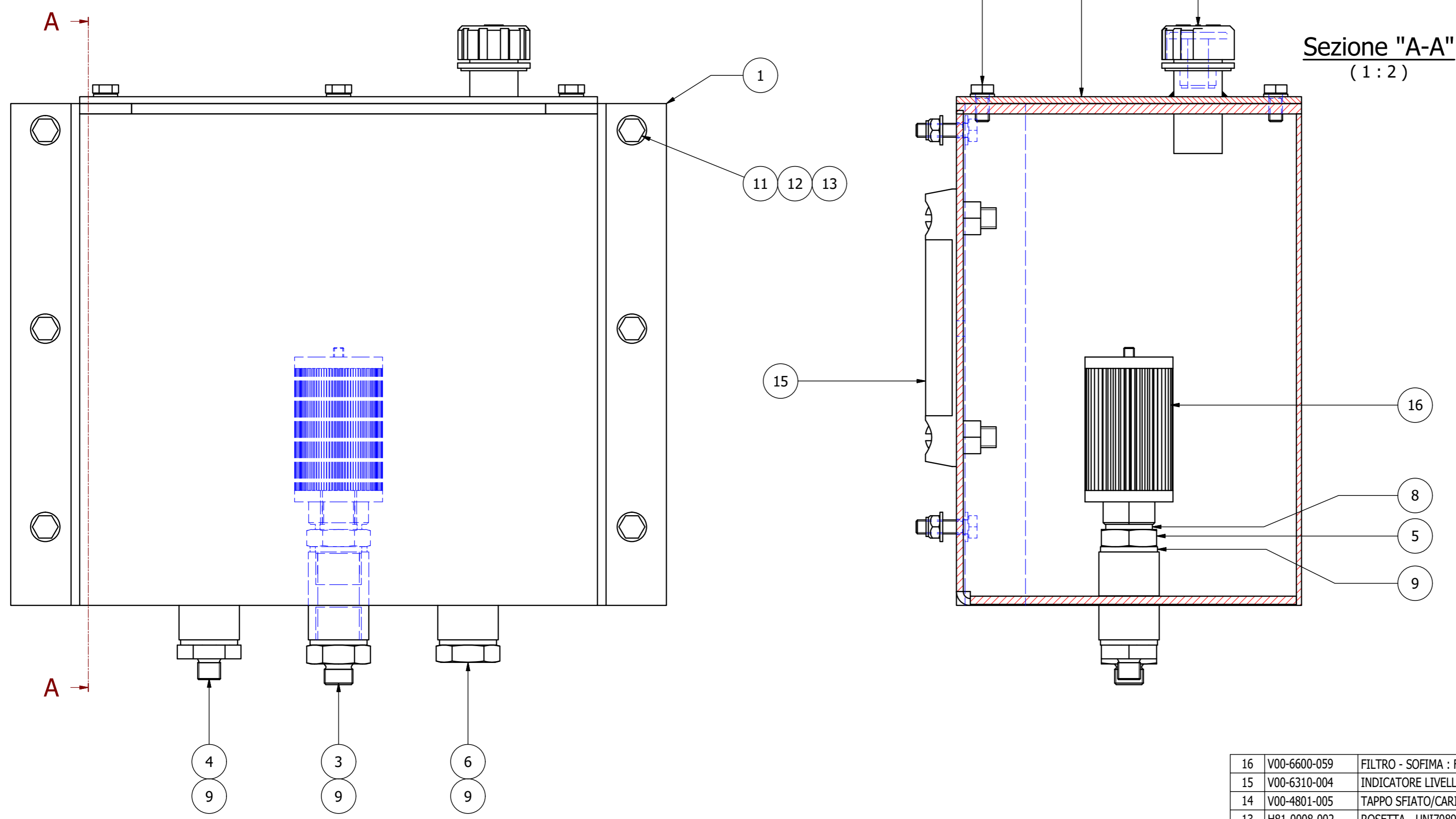


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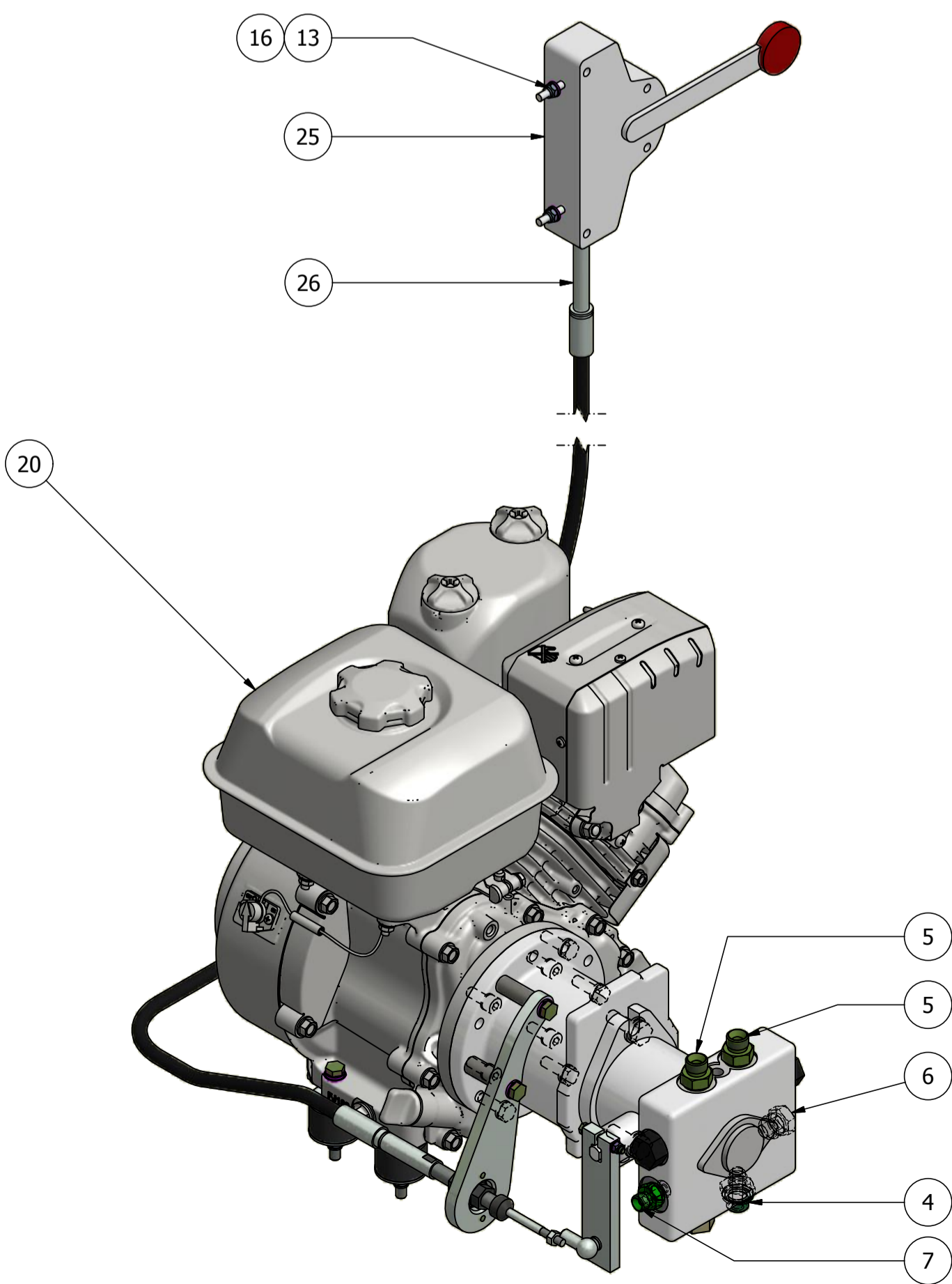
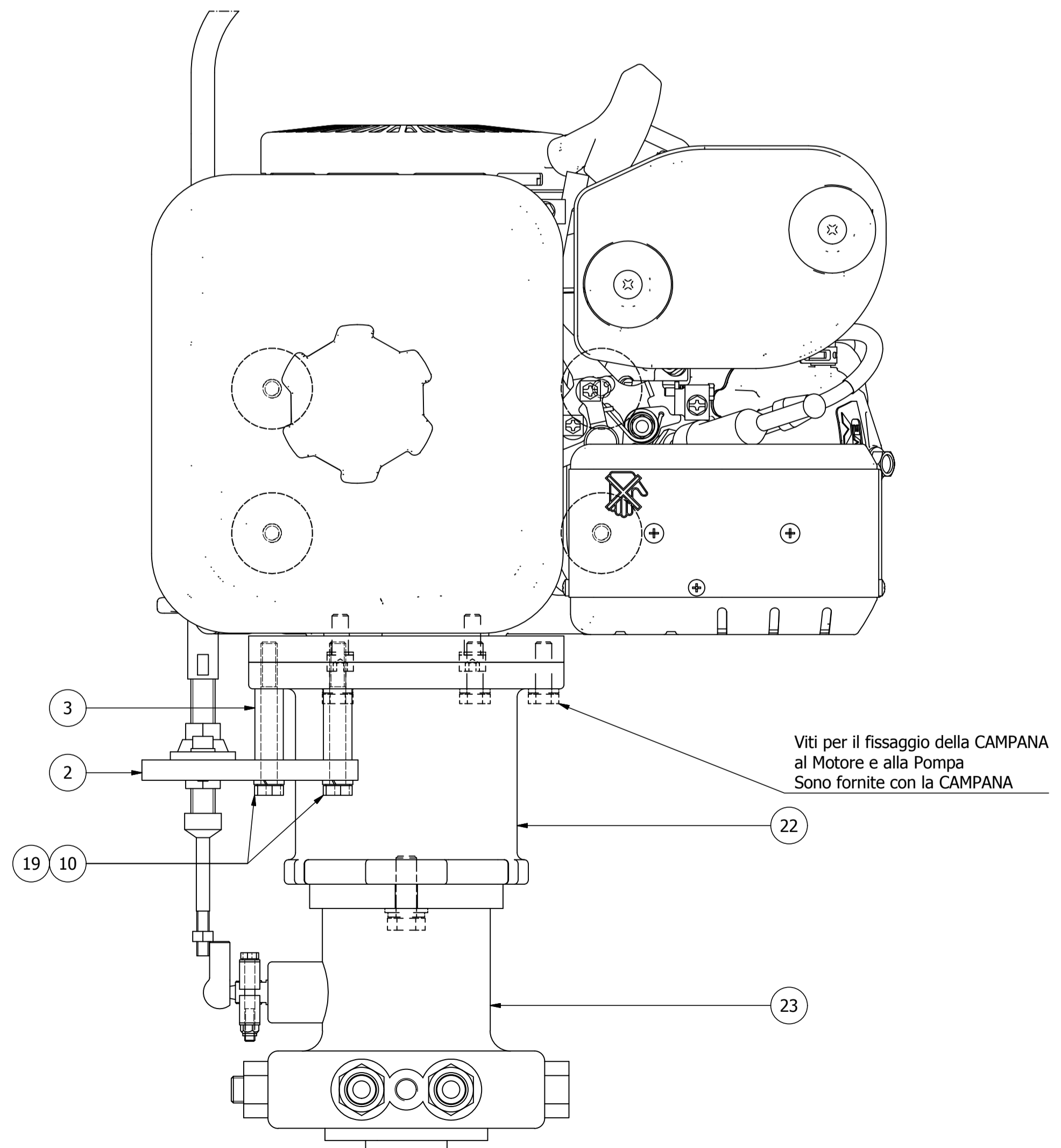
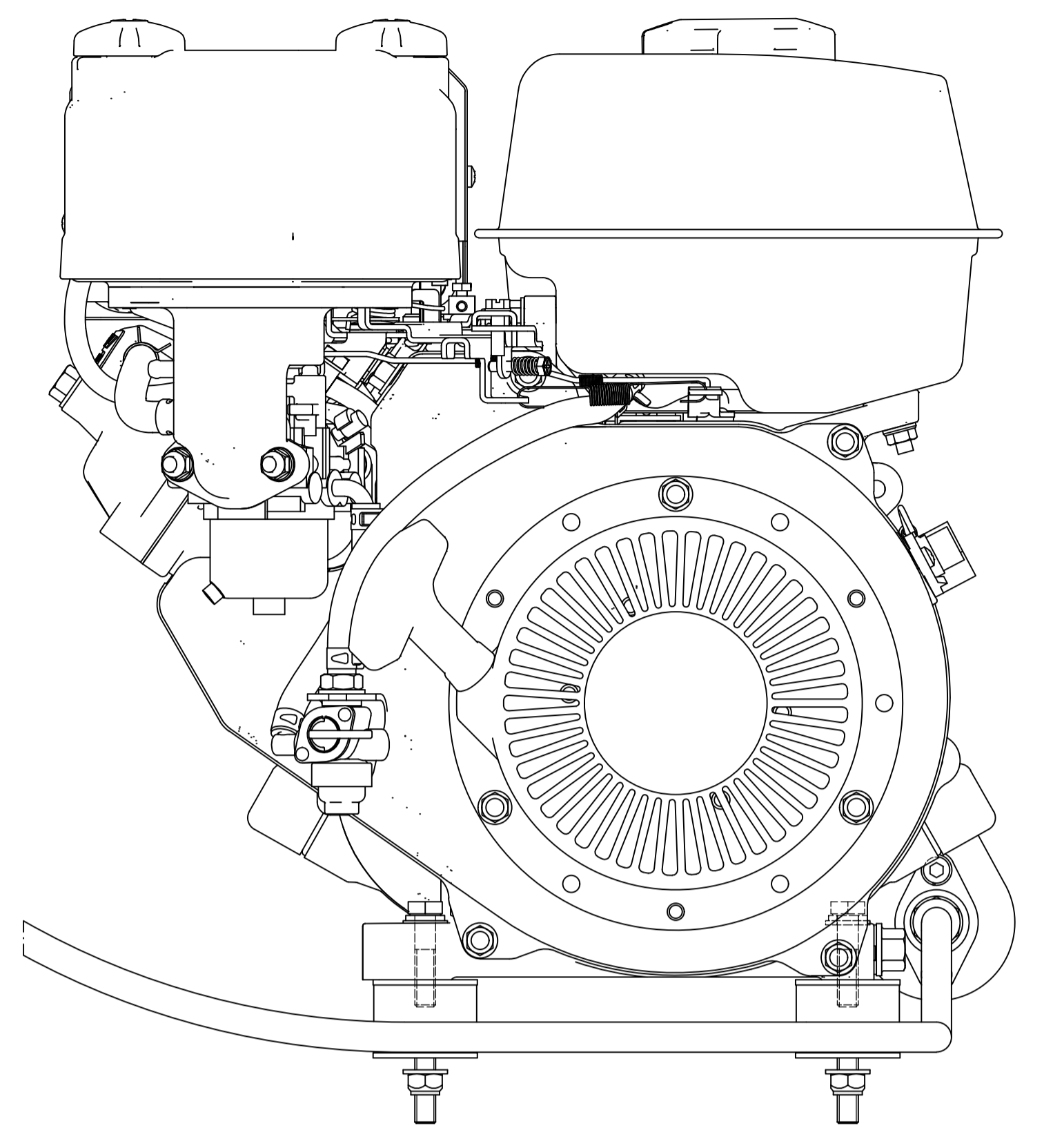
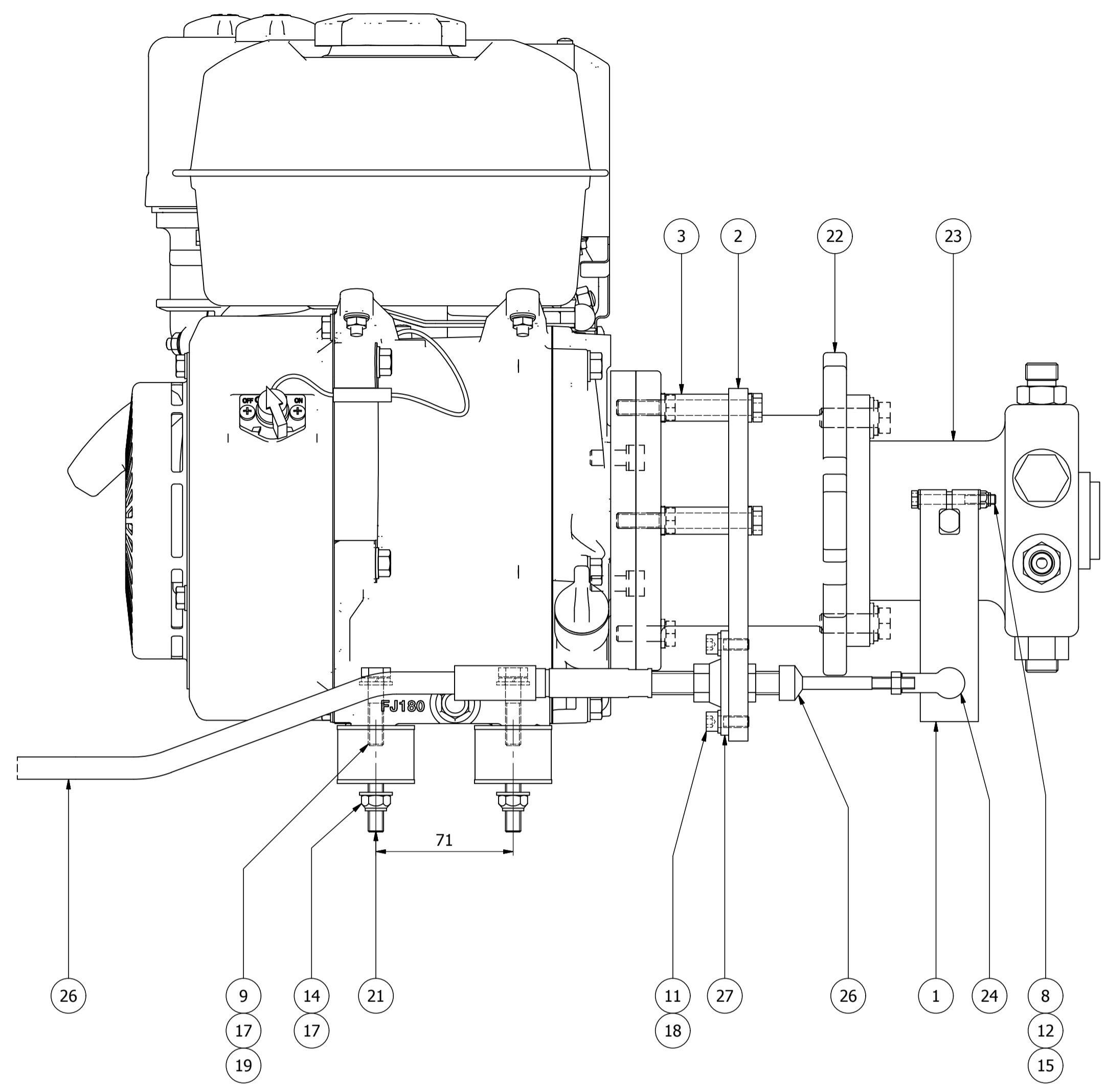
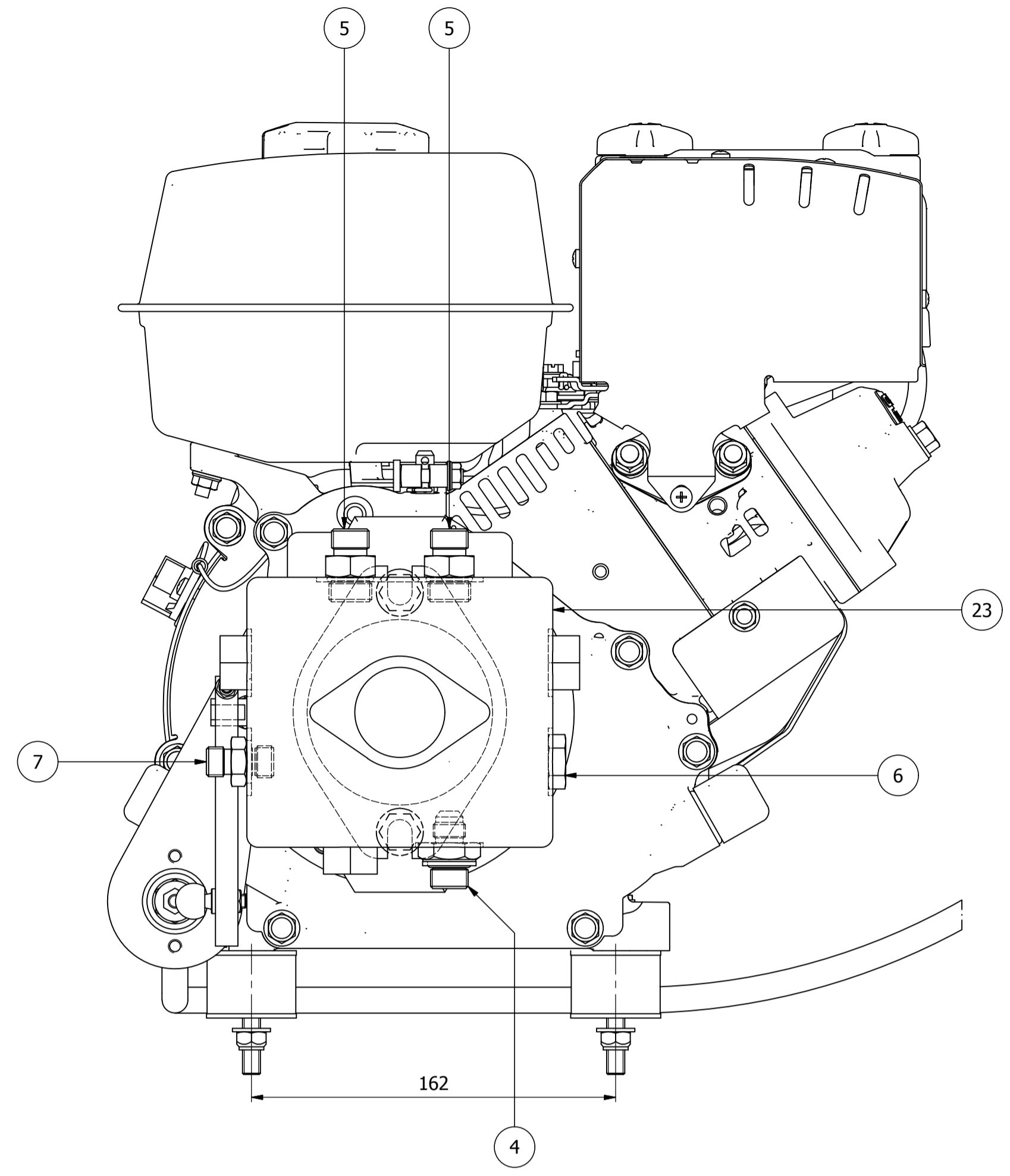


ITEM	CODE	DESCRIPTION	QTY	WEIGHT
16	V00-6600-059	FILTRO - SOFIMA : FAM 004 MS B3 O - 60 µm [ ] FILTER	1	0.1 kg
15	V00-6310-004	INDICATORE LIVELLO OLIO HCX 127/T - ELESA :11356 [ ] LEVEL INDICATOR	1	0.1 kg
14	V00-4801-005	TAPPO SFIATO/CARICO ELESA SFN.40-1/2 - ELESA : 56201 [ ] PLUG	1	0 kg
13	H81-0008-002	ROSETTA - UNI7089 -TE -8 -100 HV -- -M8 [ ] WASHER	12	0 kg
12	H77-1008-011	DADO - UNI 7473 - M 8 - GR. 8 - Z - AUTOB. [ ] NUT	6	0 kg
11	H50-1008-030	VITE - M8 x30 - ISO4017 -8.8 -Z [ ] BOLT	6	0 kg
10	H50-1008-016	VITE - M 8 x 16 - ISO 4017 - 8.8 - Z [ ] SCREW	6	0 kg
9	F11-0003-008	RONDELLA RAME D. 3/4" x 3 [ ] WASHER	4	0 kg
8	F11-0003-006	RONDELLA RAME D. 1/2" x 3 [ ] WASHER	1	0 kg
7	F11-0002-016	RONDELLA RAME D. 8.5 / 14 x 1.5 [ ] WASHER	6	0 kg
6	F07-0001-008	TAPPO TE 3/4" GAS M [ ] PLUG	1	0.1 kg
5	F04-0001-023	NIPPLO - 3/4" GAS - 1/2" GAS [ ] NIPPLE	1	0.1 kg
4	F04-0001-020	NIPPLO 3/4" GAS - 1/4" GAS [ ] NIPPLE	1	0.1 kg
3	F04-0001-019	NIPPLO - 3/4" GAS - 3/8" GAS [ ] NIPPLE	1	0.1 kg
2	D00-01972	COPERCHIO SERBATOIO OLIO 4 x 200 x 300 [ ] COVER	1	2 kg
1	D00-01967	SERBATOIO OLIO 200 x 311 x 380 [ ] TANK	1	13.1 kg

<p>GRASSOBBIO (BG) Tel.035/4232911 - Fax 035/4522445          ENDINE G. (BG) Tel.035/825044 - Fax 035/826375          MONOPOLI (BA) Tel.080/9374002 - Fax 080/4176639</p> <p>TUTTE LE NORME RICHIAMATE SI INTENDONO NELLA LORO ULTIMA VERSIONE</p> <p>SALDATURE IN ACCORDO CON : WPS 1 + 9          GRADO DI PRECISIONE PER QUOTE LINEARI, ANGOLARI, GEOMETRICHE NON TOLLERATE          LAV.MECCANICHE UNI EN 22768 - c K          CARPENTERIA UNI EN 22768 - f H</p>	COLLEONI M. tolomeo	Assembly ASSIEME SERBATOIO OLIO CARROZZINI ISPEZIONE	STATO A
	12/12/2011	16,10 kg	NUMERO DISEGNO <b>A14-00052</b>
	1/1	1:2	(FOGLIO)

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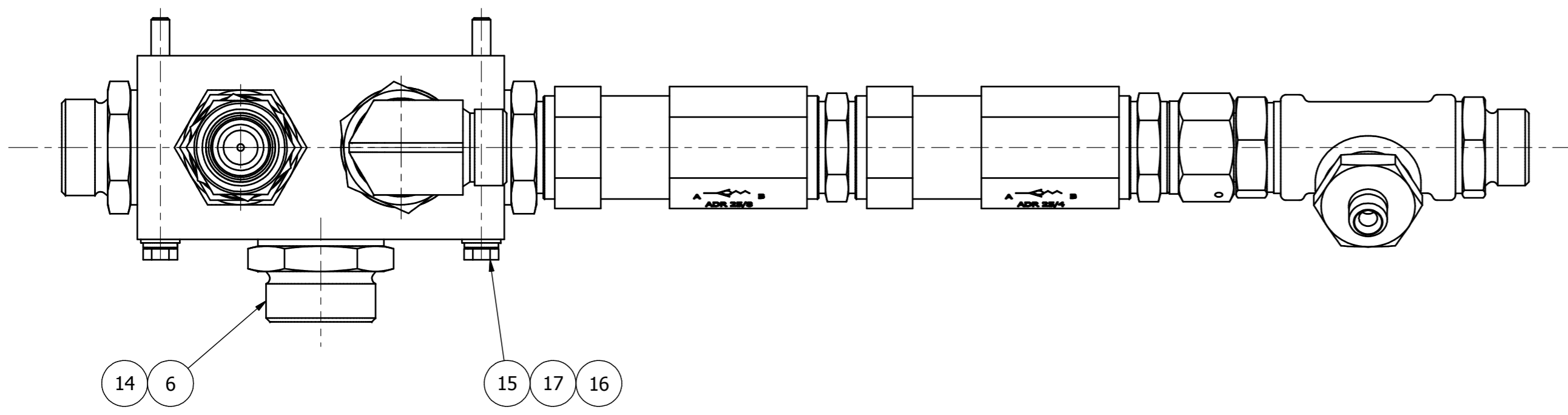
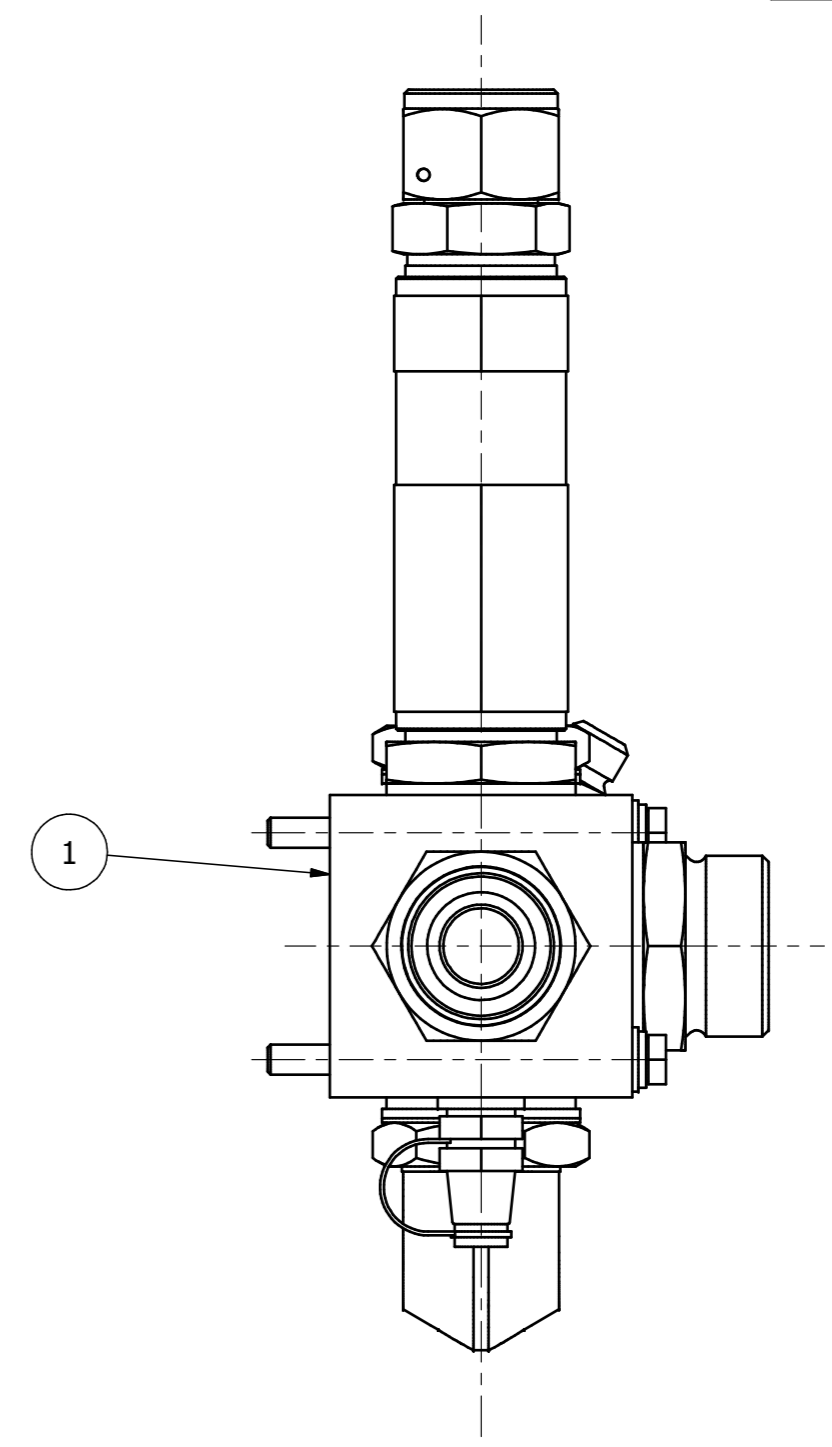
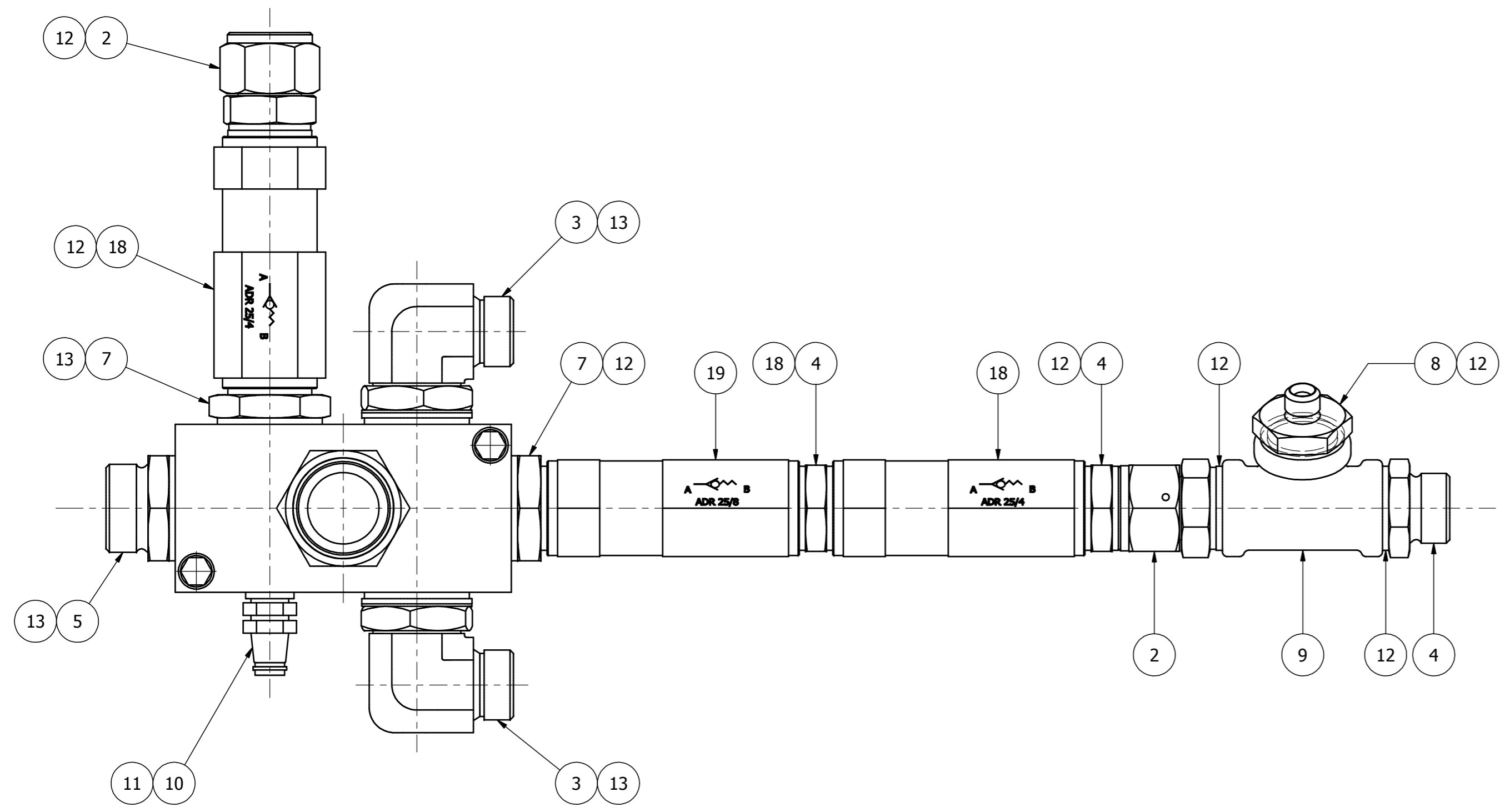


ITEM	CODE	DESCRIPTION	QTY	WEIGHT
27	V00-8500-071	ARTICOLAZIONE - TIPO 70 - FORI D.6.2 Int.40 A SFERA - FLEXBALL : 0-0099.03.00.04[ ]JOINT	1	0.1 kg
26	V00-8500-066	CAVO DI COMANDO - 6011/M30 C=65mm LN=150mm TREEFFE [ ]WIRE	1	1.5 kg
25	V00-8500-065	COMANDO - BT25/BS A DISTANZA - TREEFFE[ ]CONTROL	1	1.2 kg
24	V00-8500-035	SNODO - TIPO AS10 - FILETTO M6 ANGOLARE - FLEXBALL : 0-0099.04.03.00[ ]JOINT	1	0 kg
23	V00-6004-039	POMPA SINGOLA BDP-10L-110 - SAUER : [ ]PUMP	1	4.3 kg
22	V00-4603-011	PREDISPOSIZIONE A LANTERNA [ ]PREARRANGEMENT	1	3.9 kg
21	V00-4501-031	ANTIVIBRANTE CILINDRICO D. 40 h: 30 M-F - M8 - DUREZZA 55 Shore [ ] RUBBER MOUNT	4	0.1 kg
20	V00-4500-094	MOTORE - KAWASAKI : FJ180D-B551 [ ]ENGINE	1	18.4 kg
19	H88-1008-002	ROSETTA - UNI 1751 - A - 8 - Z - [ ]WASHER	6	0 kg
18	H88-1006-002	ROSETTA - UNI 1751 - A - 6 - Z - [ ]WASHER	2	0 kg
17	H81-1008-002	ROSETTA - ISO 7089 - TE - 8 - 100 HV - Z [ ]WASHER	8	0 kg
16	H81-1006-002	ROSETTA - ISO 7089 - TE - 6 - 100 HV - Z [ ]WASHER	2	0 kg
15	H81-1005-001	ROSETTA - ISO 7089 - TE - 5 - 100 HV - Z [ ]WASHER	2	0 kg
14	H77-1008-011	DADO - UNI 7473 - M 8 - GR. 8 - Z - AUTOB.[ ]NUT	4	0 kg
13	H77-1006-008	DADO - UNI 7473 - M 6 - GR. 8 - Z - AUTOB.[ ]NUT	2	0 kg
12	H77-1005-007	DADO - UNI 7473 - M 5 - GR. 8 - Z - AUTOB.[ ]NUT	1	0 kg
11	H56-1006-016	VITE - M 6 x 16 - ISO 4762 - 8.8 - Z [ ]BOLT	2	0 kg
10	H53-1008-070	VITE - M 8 x 70 - ISO 4014 - 8.8 - Z [ ]BOLT	2	0 kg
9	H53-1008-035	VITE - ISO 4014 - M 8 x 35 - 8.8 - Z [ ]BOLT	4	0 kg
8	H53-1005-040	VITE - ISO 4014 - M 5 x 40 - 8.8 - Z [ ]BOLT	1	0 kg
7	F99-0006-036	NIPPLO - 1/4" GAS - 3/8" GAS (9/16-18 UNF)[ ]NIPPLE	1	0 kg
6	F07-0008-008	TAPPO TE 3/4" JIC M [ ]PLUG	1	0 kg
5	F04-0007-016	NIPPLO - 3/8" GAS - 3/4" UNF [ ]NIPPLE	2	0.1 kg
4	F04-0003-005	NIPPLO - 3/8" GAS - 3/8" JIC [ ]NIPPLE	1	0.1 kg
3	D00-07559	DISTANZIALE - D. 14 / 8 x lg. 35 [ ]SPACER	2	0 kg
2	D00-07469	LEVA ARTICOLAZIONE FLEXBALL Sp.10 - ZINCATA [ ]LEVER	1	0.5 kg
1	D00-01983	LEVA COMANDO POMPA x 30 x 120 x lg. 10 - x CRB060 [ ]LEVER	1	0.3 kg

<b>TESMEC</b> GRASSANOBO (BO) Tel 0542422011 - Fax 0542422445 ENGINE G. (BG) Tel 0569526044 - Fax 0569526375 MONOPOLI (BA) Tel 0809374002 - Fax 0804172639	VISIT Colleoni M.	DIS foresti	ASSEMBLY Assieme Motore	STATO A
	DESCRIZIONE 20/01/2017 31,09 kg	KAWASAKI - CRB - CRT - CRQ		NUMERO DISEGNO (FOGLIO) 1 / 1 <b>A22-00104</b>
SALDATURE IN ACCORDO CON : WPS 1 : 9 GRADO DI PRECISIONE PER QUOTE LINEARI, ANGOLARI, GEOMETRICHE NON TOLLERATE LAV. MECCANICHE UNI EN 22768 - c K CARPENTERIA UNI EN 22768 - f H				

Il disegno è proprietà della TESMEC s.p.a. A termini di legge si vieta tassativamente la riproduzione e la divulgazione a terzi.

DATE	SYM	REVISION RECORD	DR/CK

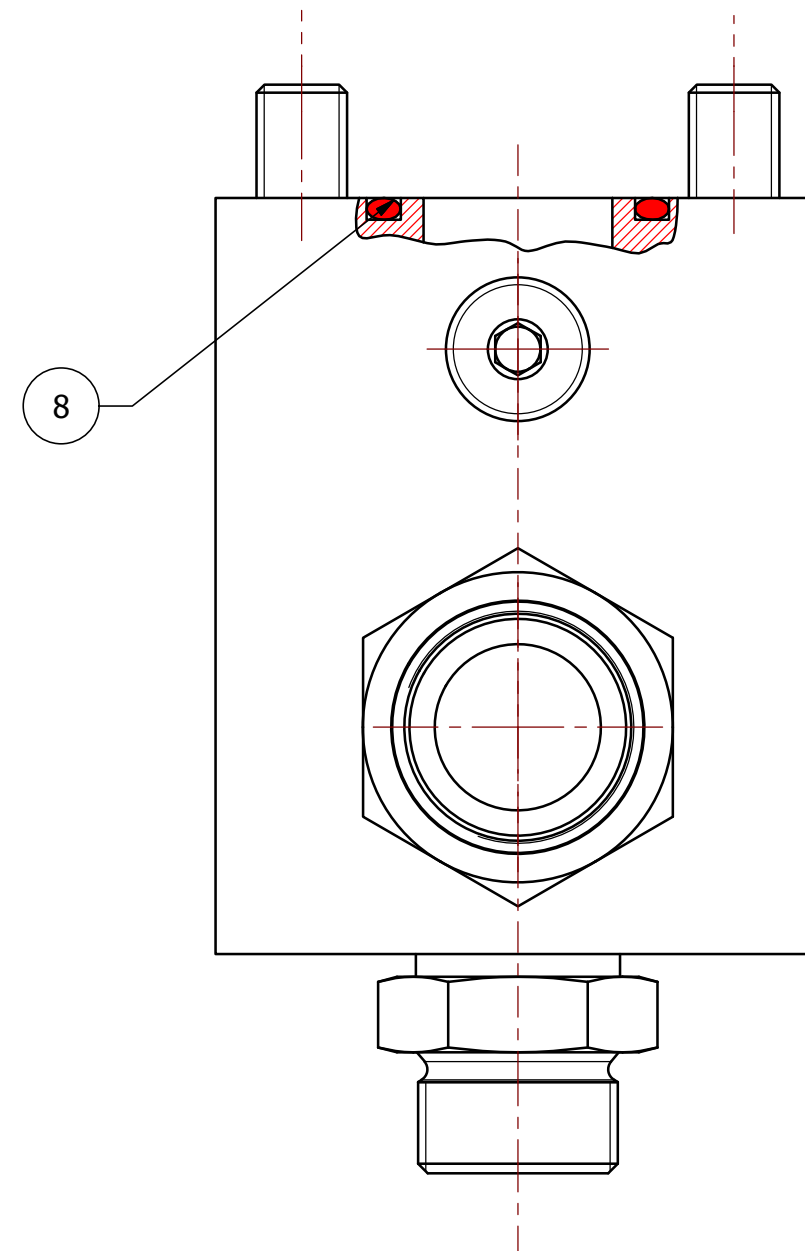
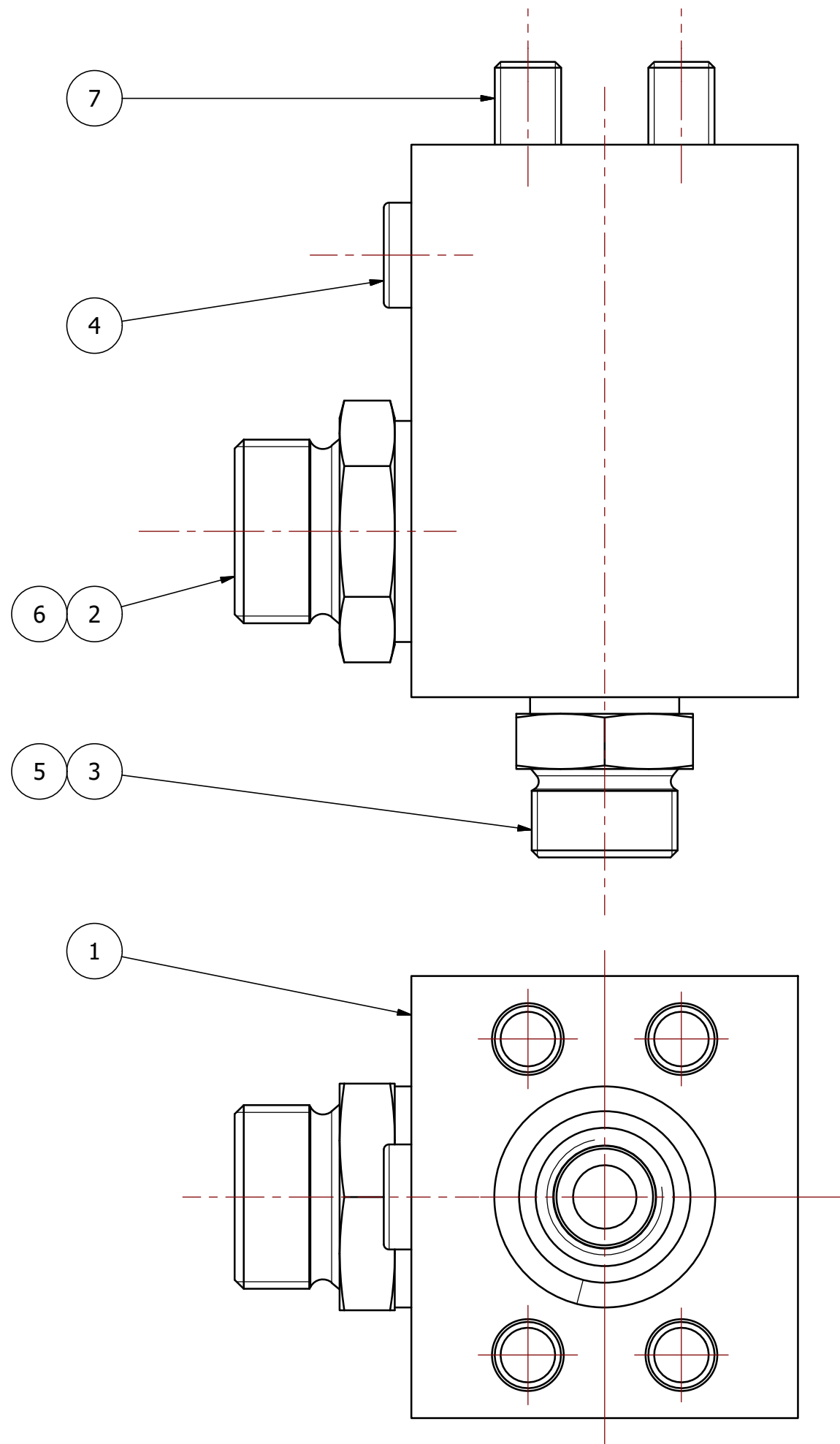


19	V00-6204-009	VALVOLA DI RITEGNO ADR 25/8 TAR.8.0 bar - ATOS [ ] VALVE	1	2.1 kg
18	V00-6204-003	VALVOLA DI RITEGNO ADR 25/4 TAR.4.0 bar - ATOS [ ] VALVE	2	2.1 kg
17	H88-1008-002	ROSETTA - UNI 1751 - A - 8 - Z [ ] WASHER	2	0 kg
16	H81-1008-002	ROSETTA - ISO 7089 - TE - 8 - 100 HV - Z [ ] WASHER	2	0 kg
15	H53-1008-100	VITE - M 8 x 100 - ISO 4014 - 8.8 - Z [ ] BOLT	2	0 kg
14	F11-0003-012	RONDELLA RAME D. 1" 1/2 x 3 [ ] WASHER	1	0 kg
13	F11-0003-011	RONDELLA RAME D. 1" 1/4 x 3 [ ] WASHER	5	0 kg
12	F11-0003-010	RONDELLA RAME D. 1" x 3 [ ] WASHER	10	0 kg
11	F11-0003-005	RONDELLA RAME D. 3/8" x 3 [ ] WASHER	1	0 kg
10	F10-0001-005	MINIPRESA - FILETTATURA: ISO228 G 3/8" - FORM E - P MAX 630 bar [ ] COUPLING	1	0.1 kg
9	F05-0003-010	RACCORDO A T FEMMINA - ASA 2000 - 1" GAS [ ] FITTING	1	0.5 kg
8	F04-0001-030	NIPPLO - 1" GAS - 3/8" GAS [ ] NIPPLE	1	0.2 kg
7	F04-0001-021	NIPPLO - 1" 1/4 GAS - 1" GAS [ ] NIPPLE	2	0.3 kg
6	F04-0001-012	NIPPLO - 1" 1/2 GAS - 1" 1/2 GAS [ ] NIPPLE	1	0.1 kg
5	F04-0001-011	NIPPLO - 1" 1/4 GAS - 1" 1/4 GAS [ ] NIPPLE	1	0.3 kg
4	F04-0001-010	NIPPLO - 1" GAS - 1" GAS [ ] NIPPLE	3	0.2 kg
3	F02-0064-013	ADATTATORE 90° GIREVOLE - 1" GAS M - 1" 1/4 GAS+OR M [ ] FITTING	2	0.7 kg
2	F01-0027-009	ADATTATORE DIRITTO GIREVOLE 1" GAS M - 1" GAS F [ ] FITTING	2	0.4 kg
1	D99-10008	BLOCCHETTO 80 x 80 x 160 - 5 Fori 1"1/4 - 1 Foro 1"1/2 - 1 Foro 3/8" [ ] MANIFOLD	1	1.9 kg
ITEM	CODE	DESCRIPTION	QTY	WEIGHT

<p>GRASSORIBO (BG) Tel.035/4232911 - Fax 035/4522445          ENDINE G. (BG) Tel.035/825024 - Fax 035/826375</p> <p>TUTTE LE NORME RICHIAMATE SI INTENDONO NELLA LORO ULTIMA EDIZIONE.</p> <p>SALDATURE IN ACCORDO CON - WPS 1±9</p> <p>GRADO DI PRECISIONE PER QUOTE LINEARI, ANGOLARI, GEOMETRICHE NON TOLLERATE</p> <p>LAV.MECCANICHE UNI EN 22768-f H          CARPENTERIA UNI EN 22768-c K</p>	PESCO DATA DIS. VISTO 30/09/2010	DENOMINAZIONE FRS 615 100
	PESO 13,02 kg	D99-10008
	SCALA 1:2	ASSIEME BLOCCHETTO
		(FOGLIO) 1 / 1 NUMERO DISEGNO <b>A99-10071</b>

Il disegno è proprietà della TESMEC s.p.a. A termini di legge si vieta tassativamente la riproduzione e la divulgazione a terzi.

DATE	SYM	REVISION RECORD	DR	CK
				.
				.
				.



8	V00-5301-038	ANELLO OR 4131 D. 32.93 x 3.53 NBR [ ] O-RING	1	0 kg
7	H56-1012-100	VITE - M 12 x 100 - ISO 4762 - 8.8 - Z [ ] BOLT	4	0.1 kg
6	F11-0003-010	RONDELLA RAME D. 1" x 3 [ ] WASHER	1	0 kg
5	F11-0003-006	RONDELLA RAME D. 1/2" x 3 [ ] WASHER	1	0 kg
4	F07-0003-003	TAPPO TEI + GUARN. 1/4" GAS M [ ] PLUG	1	0 kg
3	F04-0001-023	NIPPLLO 3/4" GAS - 1/2" GAS [ ] NIPPLE	1	0.1 kg
2	F04-0001-010	NIPPLLO - 1" GAS - 1" GAS [ ] NIPPLE	1	0.2 kg
1	D99-10056	BLOCCHETTO PREDISPOSIZIONI 70 x 80 x 100 - 1 Foro SAE 6000 1/2" - 1 Foro 1" - 1 Foro 1/4"	1	3.3 kg
ITEM	CODE	DESCRIPTION	QTY	WEIGHT



GRASSOBBRIO (BG) Tel.035/4232911 - Fax 035/4522445  
 ENDINE G. (BG) Tel.035/825024 - Fax 035/826375

TUTTE LE NORME RICHIAMATE SI INTENDONO NELLA LORO ULTIMA EDIZIONE.

SALDATURE IN ACCORDO CON - WPS 1+9

GRADO DI PRECISIONE PER QUOTE LINEARI, ANGOLARI, GEOMETRICHE NON TOLLERATE

LAV.MECCANICHE UNI EN 22768-f H

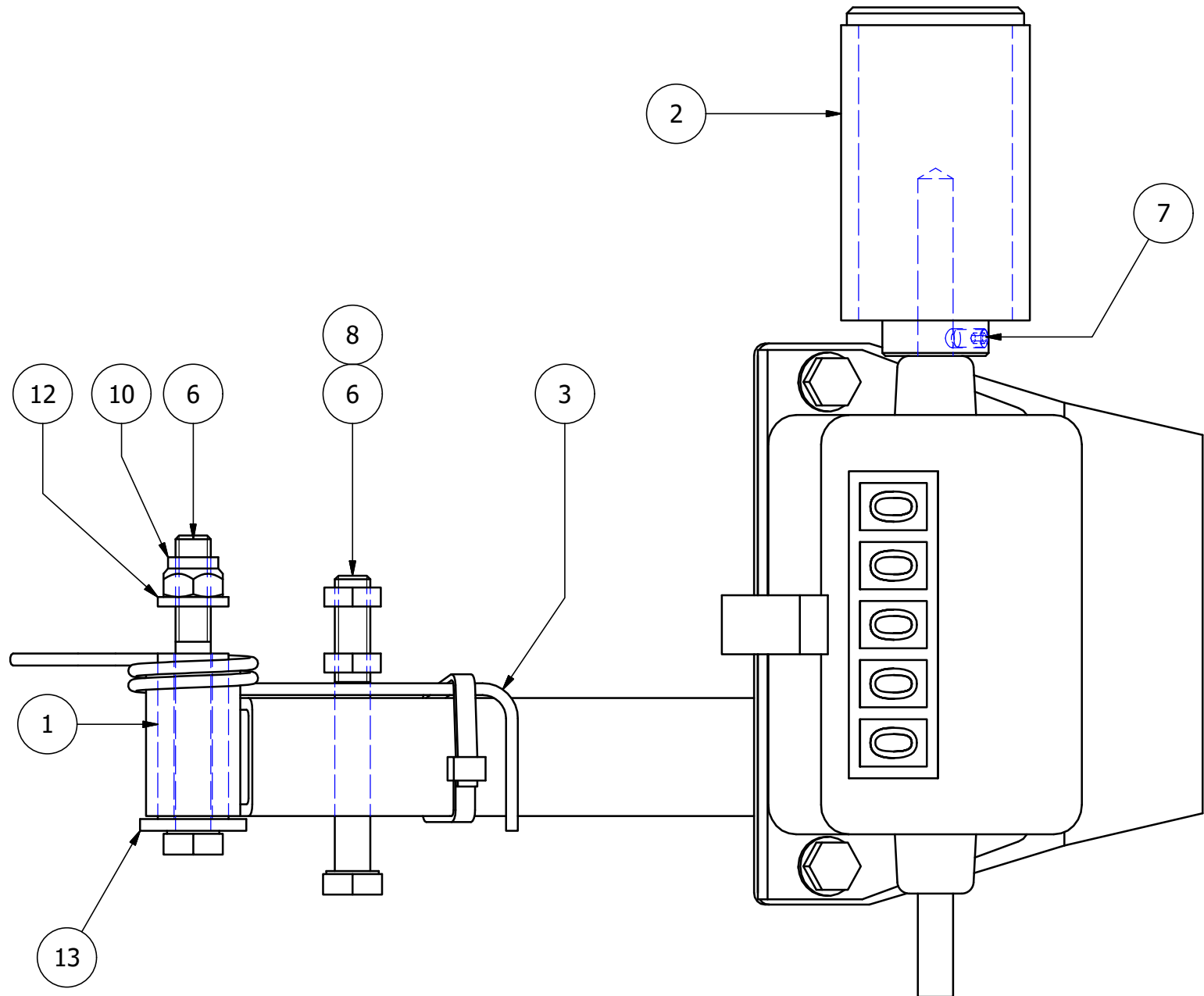
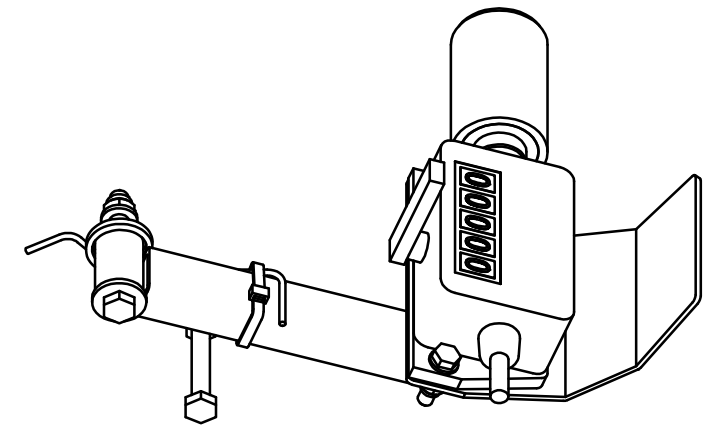
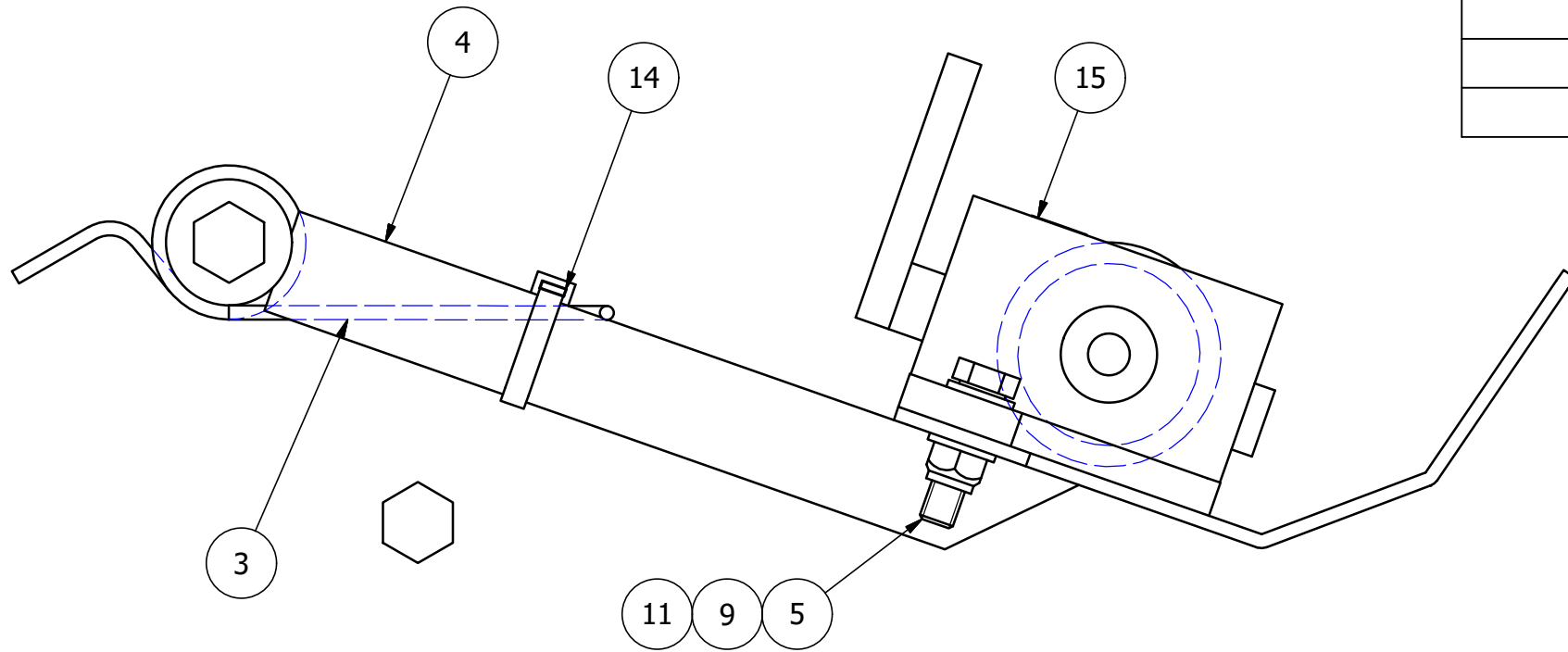
CARPENTERIA UNI EN 22768-c K

PESI DATA DIS. VISTO	
	Locatelli G.
	01/10/2010
	4,12 kg
SCALA	1:1

DENOMINAZIONE	FRS 615 100
	D99-10056
	ASSIEME BLOCCHETTO PREDISPOSIZIONE
(FOGLIO)	NUMERO DISEGNO
1 / 1	A99-10072

Il disegno è proprietà della TESMEC s.p.a. A termini di legge si vieta tassativamente la riproduzione e la divulgazione a terzi.

DATE	SYM	REVISION RECORD	DRAWN BY	APPROVED BY

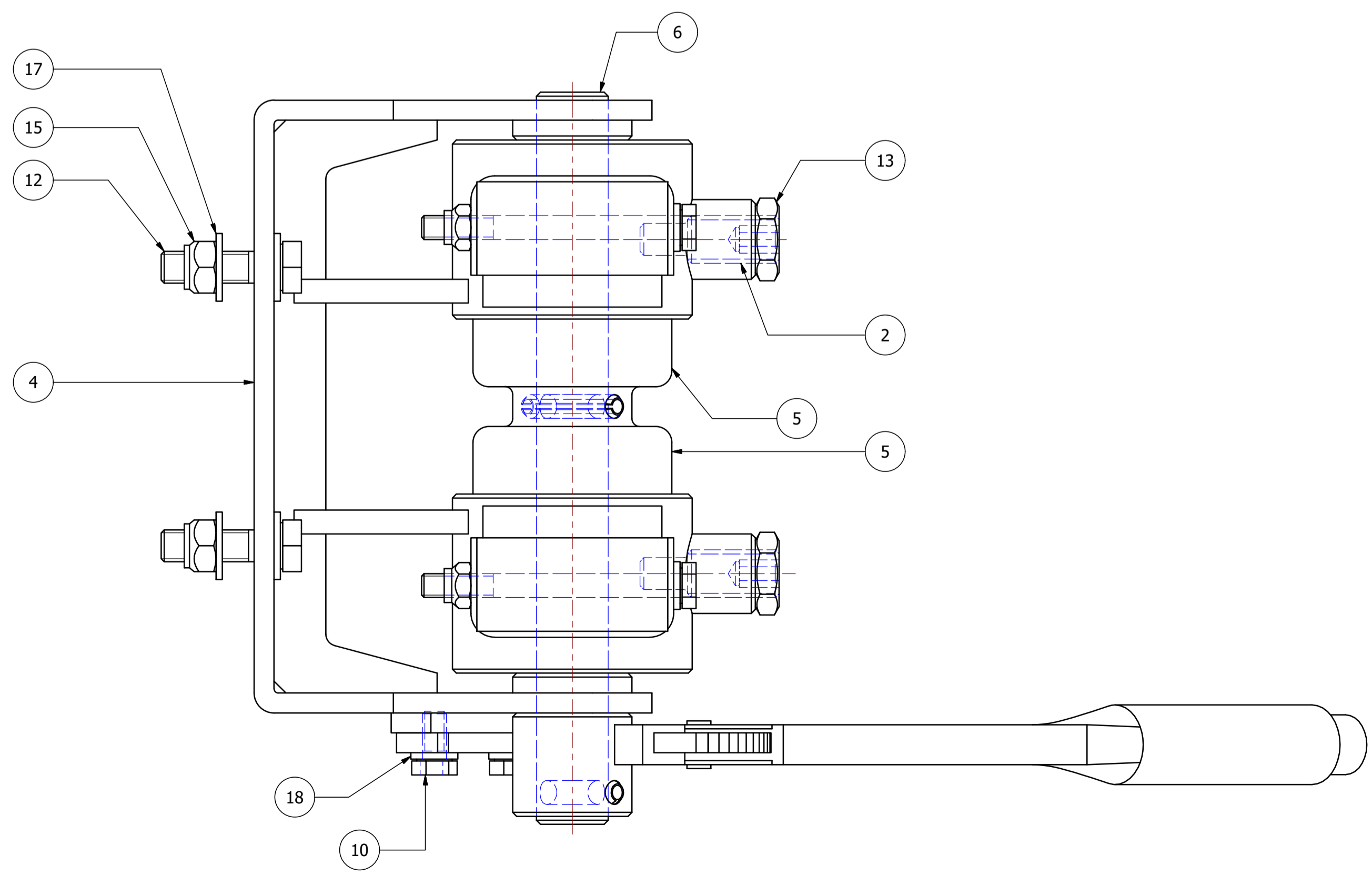
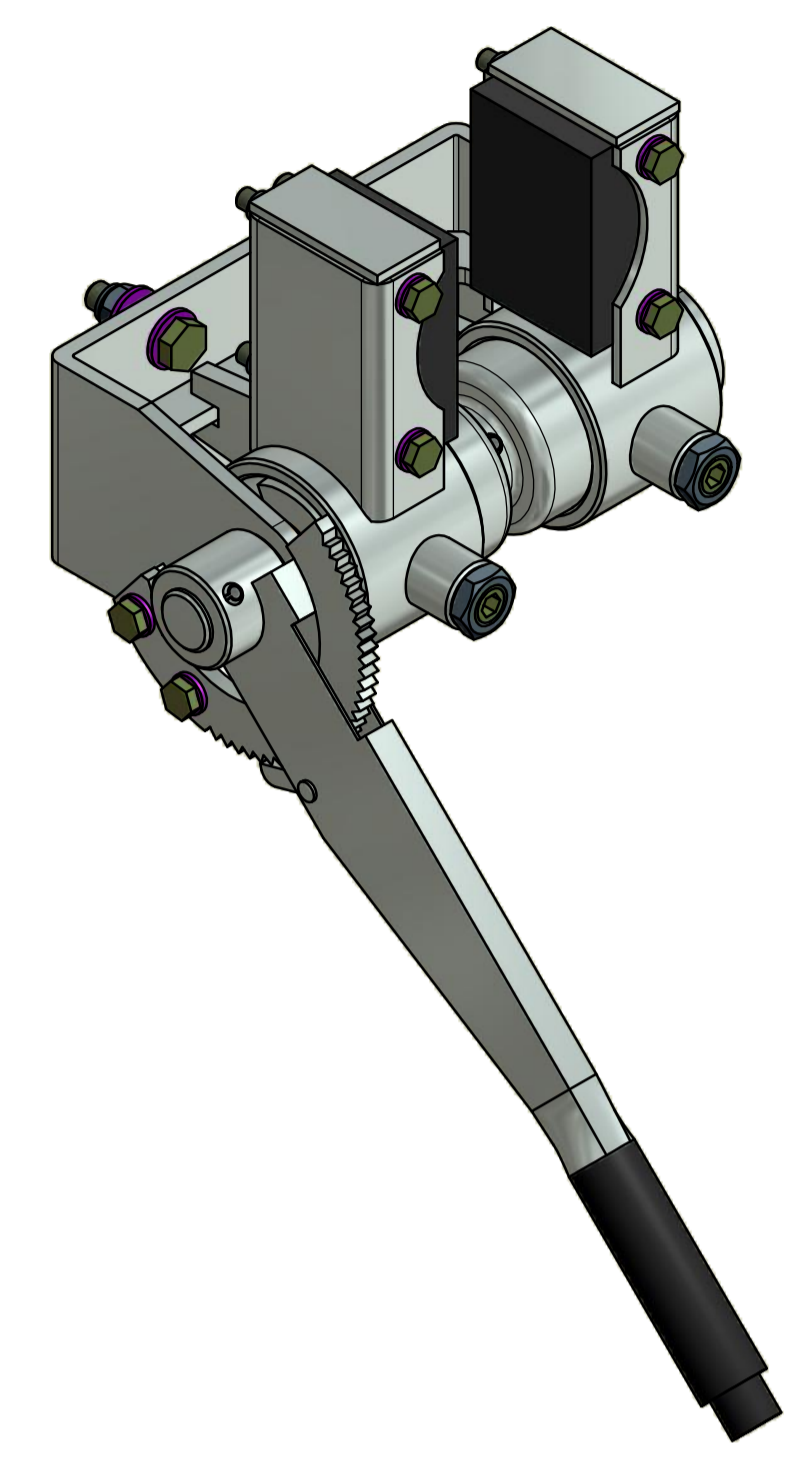
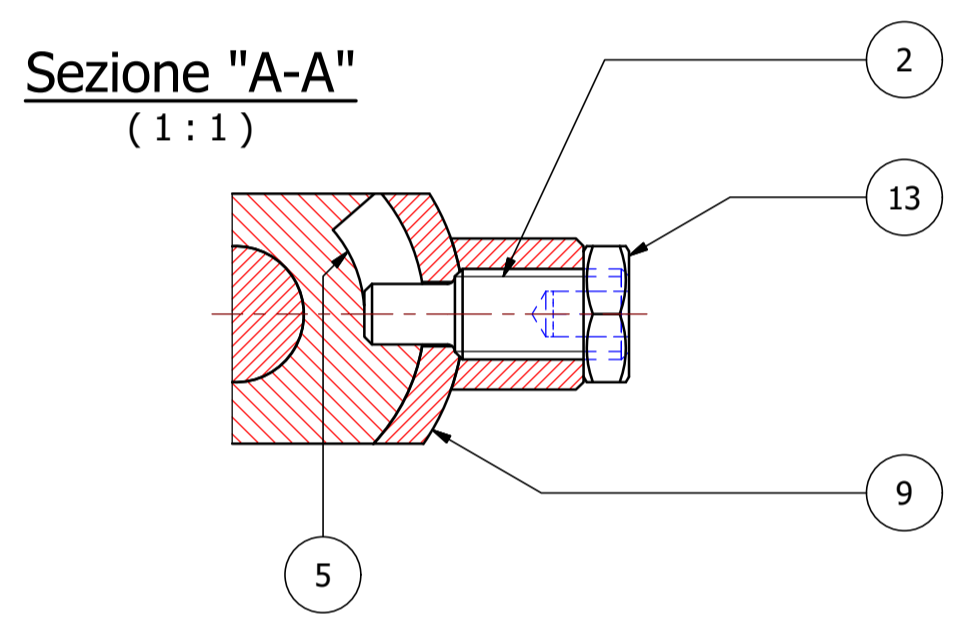
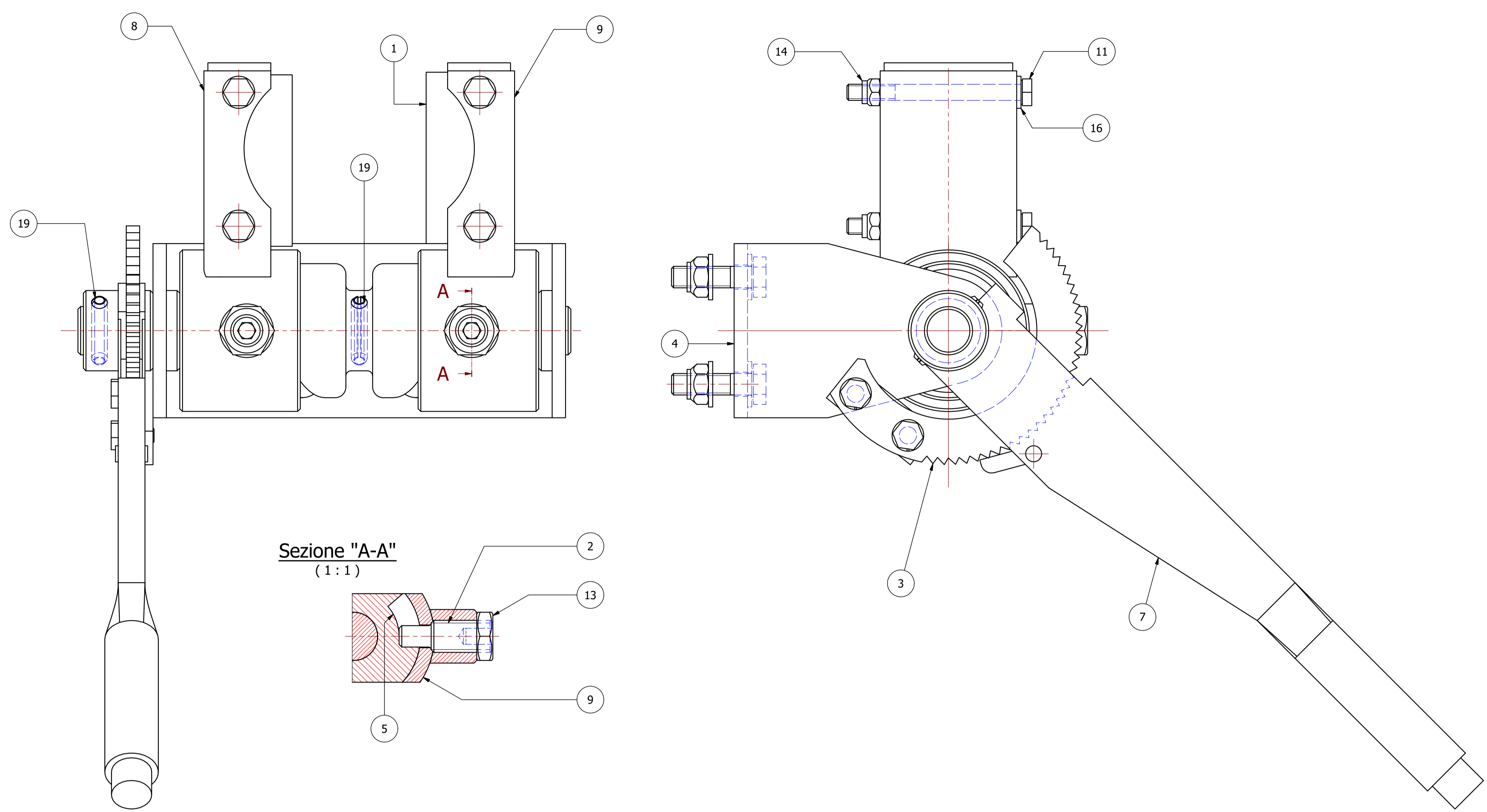


14	V00-2231-061	FASCETTA ELETTRICA 3.5x280mm [ ]CLAMP	1	0 kg
8	H72-1006-004	DADO - ISO 4035 - M 6 - GR. 8 - Z [ ]NUT	2	0 kg
15	V00-8600-036	CONTAMETRI - N° 5 Cifre - VICTOR : CM 05 D [ ]EXPOSURE COUNTER DISPLAY	1	0.4 kg
13	H99-8900-033	ROSETTA - GREMBIALINA D. 6 / D 18 - Z [ ] WASHER	1	0 kg
12	H81-1006-002	ROSETTA - ISO 7089 - TE - 6 - 100 HV - Z [ ]WASHER	1	0 kg
11	H81-1005-001	ROSETTA - ISO 7089 - TE - 5 - 100 HV - Z [ ]WASHER	4	0 kg
10	H77-1006-008	DADO - UNI 7473 - M 6 - GR. 8 - Z - AUTOB. [ ]NUT	1	0 kg
9	H77-1005-007	DADO - UNI 7473 - M 5 - GR. 8 - Z - AUTOB. [ ]NUT	2	0 kg
7	H61-0003-005	VITE - UNI 5927 3 x 5 - GR. 45H (12.9) - GRANO ESTEMITÀ CONICA [ ] BOLT	1	0 kg
6	H53-1006-050	VITE - M 6 x 50 - ISO 4014 - 8.8 - Z [ ]BOLT	2	0 kg
5	H50-1005-020	VITE M5 x20 ISO 4017 -8.8 -Z [ ]BOLT	2	0 kg
4	D99-30025	SUPPORTO CONTAMETRI 20 x 95 x 140 - ZINCATO - SX [ ]SUPPORT	1	0.3 kg
3	D99-30013	MOLLA CONTAMETRI - d. 2 - C72 [ ]SPRING	1	0 kg
2	D99-30012	RULLO CONTAMETRI D. 32 x lg. 59 [ ]ROLLER	1	0.1 kg
1	D99-30011	DISTANZIALE - D. 12 / 6.5 x lg. 27.5 - ZINCATO [ ]SPACER	1	0 kg
ITEM	CODE	DESCRIPTION	QTY	WEIGHT

	Colleoni M.	DESCRIZIONE	ASSEMBLY	STATO	A
	Tolomeo A.		ASSIEME CONTAMETRI		
GRASSOBBIO (BG) Tel.035/4232911 - Fax 035/4522445 ENDINE G. (BG) Tel.035/825044 - Fax 035/826375 MONOPOLI (BA) Tel.080/9374002 - Fax 080/4176639	31/10/2011	PESO DATA DIS. VISTO 0,78 kg	NUMERO DISEGNO <b>A99-30009</b>	(FOGLIO) 1 / 1	-
TUTTE LE NORME RICHIAMATE SI INTENDONO NELLA LORO ULTIMA VERSIONE SALDATURE IN ACCORDO CON : WPS 1 + 9 GRADO DI PRECISIONE PER QUOTE LINEARI, ANGOLARI, GEOMETRICHE NON TOLLERATE LAV.MECCANICHE UNI EN 22768 - c K CARPENTERIA UNI EN 22768 - f H	1:1				

Il disegno è proprietà della TESMEC s.p.a. A termini di legge si vieta tassativamente la riproduzione e la divulgazione a terzi.

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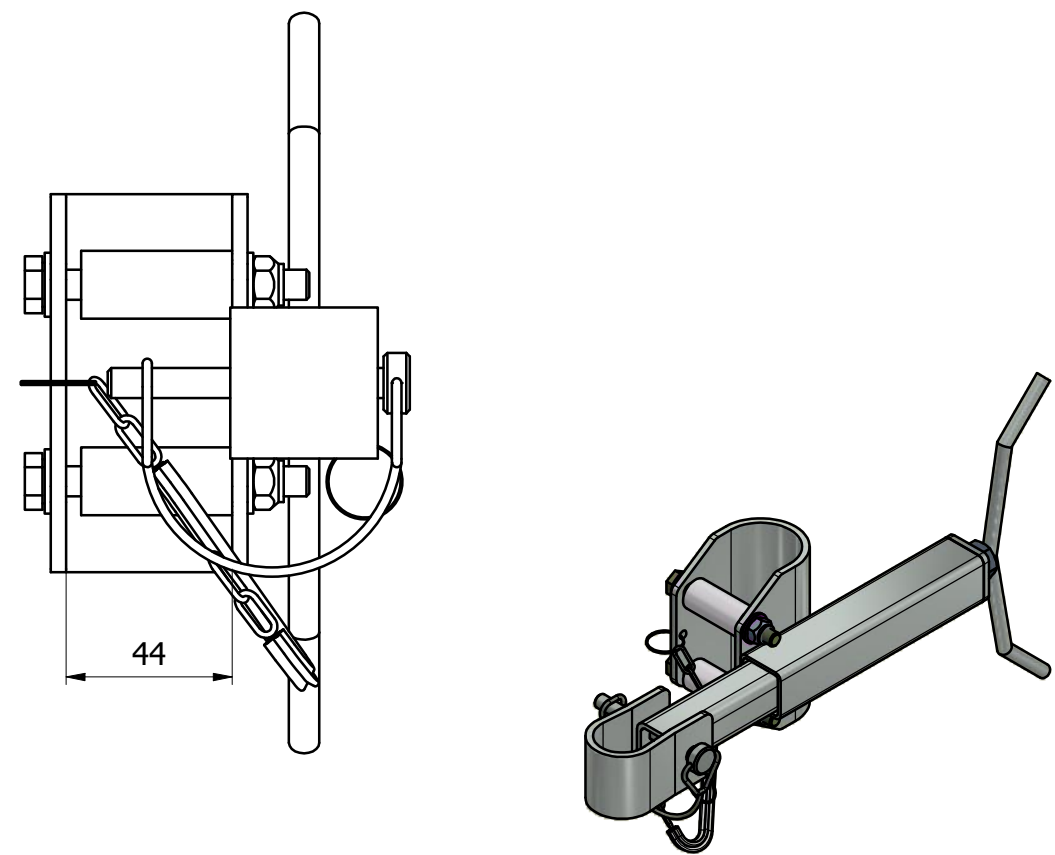
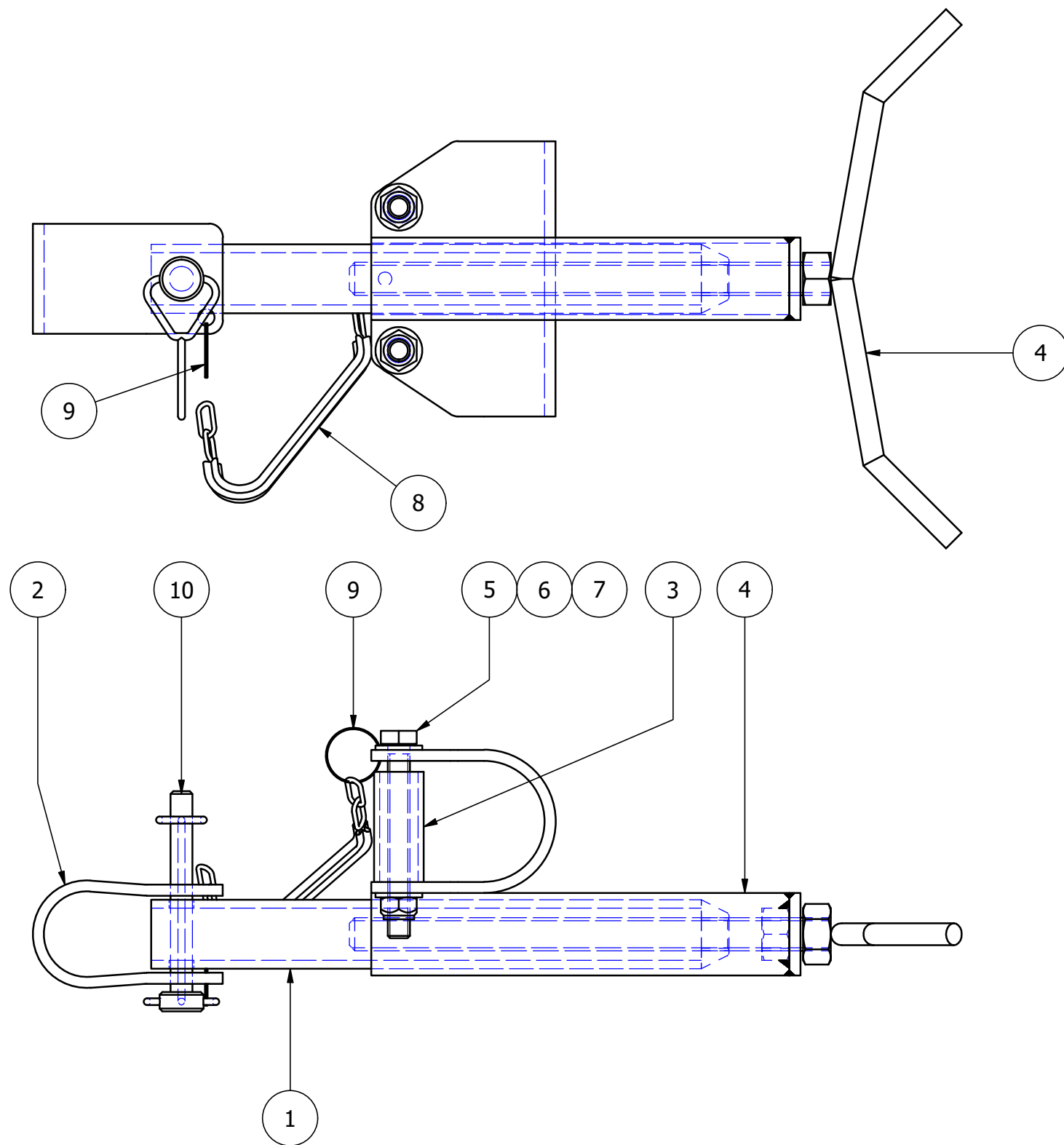


ITEM	CODE	DESCRIPTION	QTY	WEIGHT
19	V00-9030-091	SPINA ELASTICA - UNI EN 13337 D. 6 x 32 [ ]PIN	2	0 kg
18	H88-1006-002	ROSETTA - UNI 1751 - A - 6 - Z [ ]WASHER	2	0 kg
17	H81-1008-002	ROSETTA - ISO 7089 - TE - 8 - 100 HV - Z [ ]WASHER	8	0 kg
16	H81-1006-002	ROSETTA - ISO 7089 - TE - 6 - 100 HV - Z [ ]WASHER	4	0 kg
15	H77-1008-011	DADO - UNI 7473 - M 8 - GR. 8 - Z - AUTOB. [ ]NUT	4	0 kg
14	H77-1006-008	DADO - UNI 7473 - M 6 - GR. 8 - Z - AUTOB. [ ]NUT	4	0 kg
13	H72-1012-007	DADO - ISO 4035 - M 12 - GR. 8 - Z - TE - PG - BA [ ]NUT	2	0 kg
12	H53-1008-030	VITE M8 x30 ISO 4014 - 8.8 - Z [ ]BOLT	4	0 kg
11	H53-1006-065	VITE M6 x65 ISO 4014 - 8.8 - Z [ ]BOLT	4	0 kg
10	H50-1006-012	VITE M6 x12 ISO 4017 - 8.8 - Z [ ]BOLT	2	0 kg
9	D99-30115	SUPPORTO TAMPONE DX 45 x 116 x 130 [ ]SUPPORT	1	0.6 kg
8	D99-30084	SUPPORTO TAMPONE SX 45 x 116 x 130 [ ]SUPPORT	1	0.5 kg
7	D99-30083	LEVA FRENO STAZIONAMENTO [ ]LEVER	1	0.6 kg
6	D99-30082	PERNO - D. 18 x lg. 184 - FRENO STAZ. [ ]PIN	1	0.4 kg
5	D99-30081	VITE FRENO STAZ. 50 x 50 x 134 [ ]BOLT	1	1.6 kg
4	D99-30080	SUPPORTO TAMPONE 65 x 100 x 160 [ ]SUPPORT	1	0.9 kg
3	D99-30079	SETTORE DENTATO 5 x 70 x 100 [ ]SECTOR	1	0.1 kg
2	D99-30078	VITE FRENO STAZ. - M 12 x lg. 35 [ ]BOLT	2	0 kg
1	D99-30077	TAMPONE - 30 x 45 x 64 [ ]BOUMPER	2	0.1 kg

<p>GRASSANOBO (BO) Tel 054222011 - Fax 054522445  ENGINE G. (BG) Tel 035/825044 - Fax 035/825375  MONOPOLI (BA) Tel 080/9374002 - Fax 080/4178639  TUTTE LE NORME RICHIAMATE SI INTENDONO NELLA LORO ULTIMA VERSIONE</p>	<b>Colleoni M.</b> <b>st.micheletti</b>	<b>ASSEMBLY</b> <b>ASSIEME FRENO A TAMPONE</b>	STATO <b>A</b>
	15/10/2013 5,04 kg	NUMERO DISEGNO <b>A99-30025</b>	FOGLIO 1 / 1

Il disegno è proprietà della TESMEC s.p.a. A termini di legge si vieta tassativamente la riproduzione e la divulgazione a terzi.

DATE	SYM	REVISION RECORD	DRAWN BY	APPROVED BY



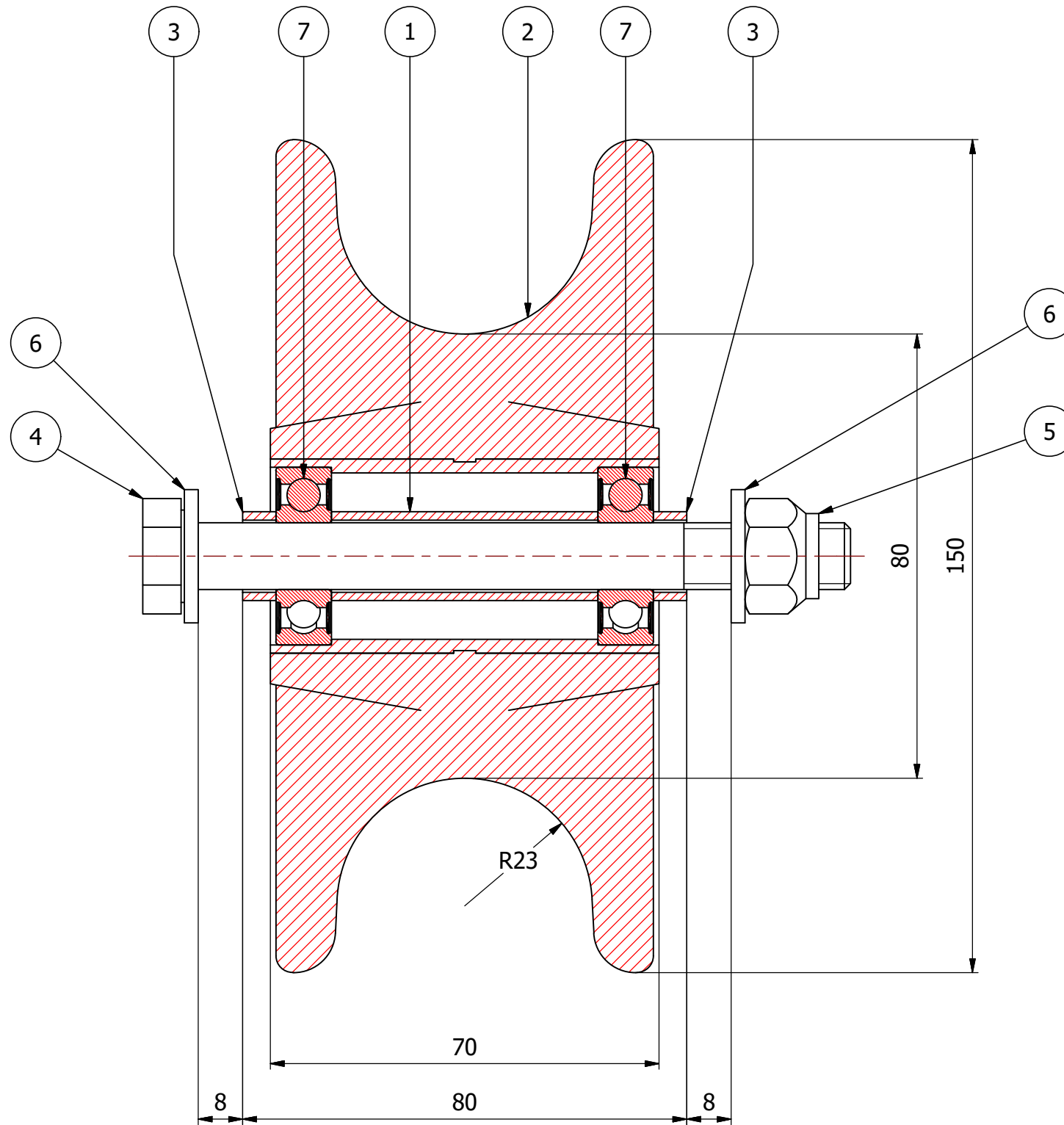
ITEM	CODE	DESCRIPTION	QTY	WEIGHT
10	V00-9020-006	SPINOTTO MOTOZAPPA - D. 8 x lg. 80 -AMA :Art. 1369[ ]PIN	1	0 kg
9	V00-9000-035	ANELLO PER CHIAVI - De.20 - Di.19 [ ]RING	2	0 kg
8	V00-3620-002	CATENA GENOVESE D.1.6 x P.13 x Le.7 - MAGLIA N° 12 - ZINCATA [ ]CHAIN	1	0 kg
7	H81-0008-002	ROSETTA - ISO 7089 - TE - 8 - 100 HV - - M8[ ]WASHER	4	0 kg
6	H77-1008-011	DADO - UNI 7473 - M 8 - GR. 8 - Z - AUTOB.[ ]NUT	2	0 kg
5	H50-1008-070	VITE M8 x70 ISO 4017 -8.8 -Z[ ]BOLT	2	0 kg
4	D99-30185	SUPPORTO REGOLAZIONE RUOTE MOTRIICI[ ]SUPPORT	1	1 kg
3	D99-30184	DISTANZIALE D. 18 / 14 x lg. 40 - ALLUMINIO[ ]SPACER	2	0 kg
2	D99-30183	LAMIERA 39 x 40 x 69 - ZINCATA[ ]PLATE	1	0.2 kg
1	D99-30182	BARRA 25 x 25 x lg. 210 - ZINCATA[ ]ROD	1	0.4 kg

<p>GRASSOBBIO (BG) Tel.035/4232911 - Fax 035/4522445          ENDINE G. (BG) Tel.035/825044 - Fax 035/826375          MONOPOLI (BA) Tel.080/9374002 - Fax 080/4176639</p> <p>TUTTE LE NORME RICHIAMATE SI INTENDONO NELLA LORO ULTIMA VERSIONE</p> <p>SALDATURE IN ACCORDO CON : WPS 1 + 9</p> <p>GRADO DI PRECISIONE PER QUOTE LINEARI, ANGOLARI, GEOMETRICHE NON TOLLERATE</p> <p>LAV.MECCANICHE UNI EN 22768 - c K</p> <p>CARPENTERIA UNI EN 22768 - f H</p>	COLLEONI M. Administrator 19/02/2009 1,75 kg	ASSEMBLY ASSIEME REGOLAZIONE CARRELLO MOTORE	STATO A	
	PESO DATA DIS. VISTO	DESCRIZIONE	NUMERO DISEGNO	
	(FOGLIO) 1 / 1	A99-30038		
	SCALA 1:2			

Il disegno è proprietà della TESMEC s.p.a. A termini di legge si vieta tassativamente la riproduzione e la divulgazione a terzi.



DATE	SYM	REVISION RECORD	DRAWN BY	APPROVED BY

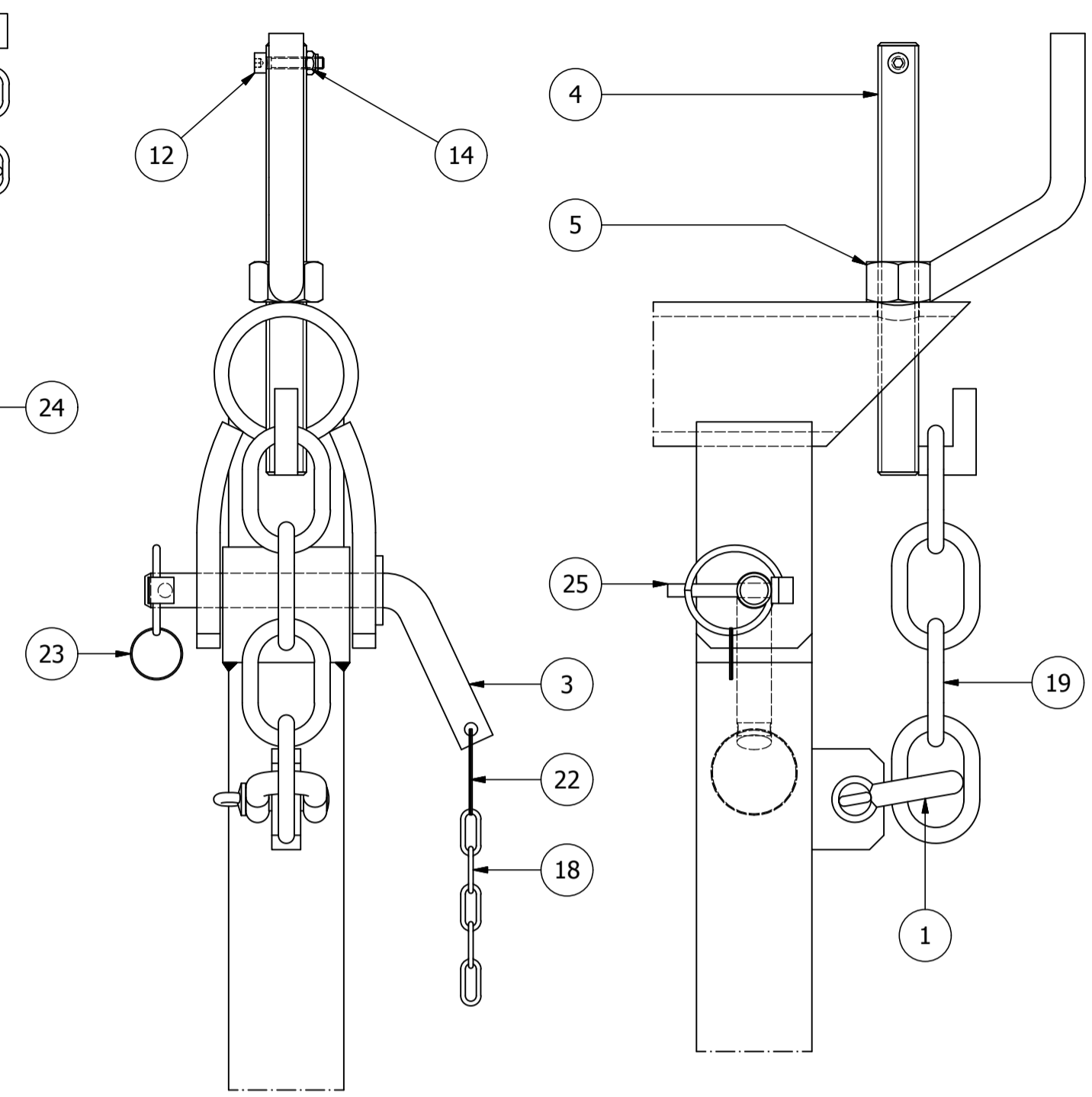
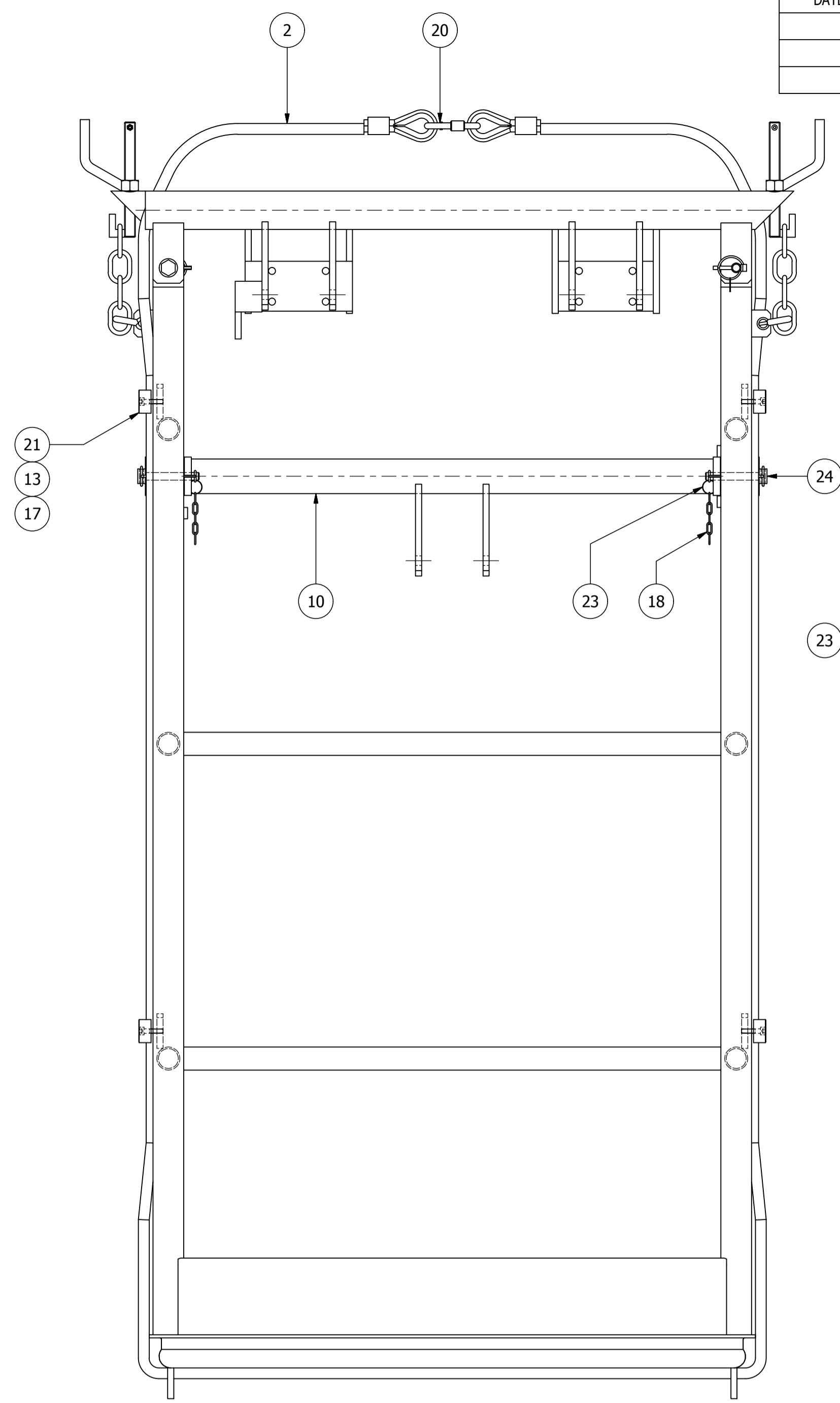
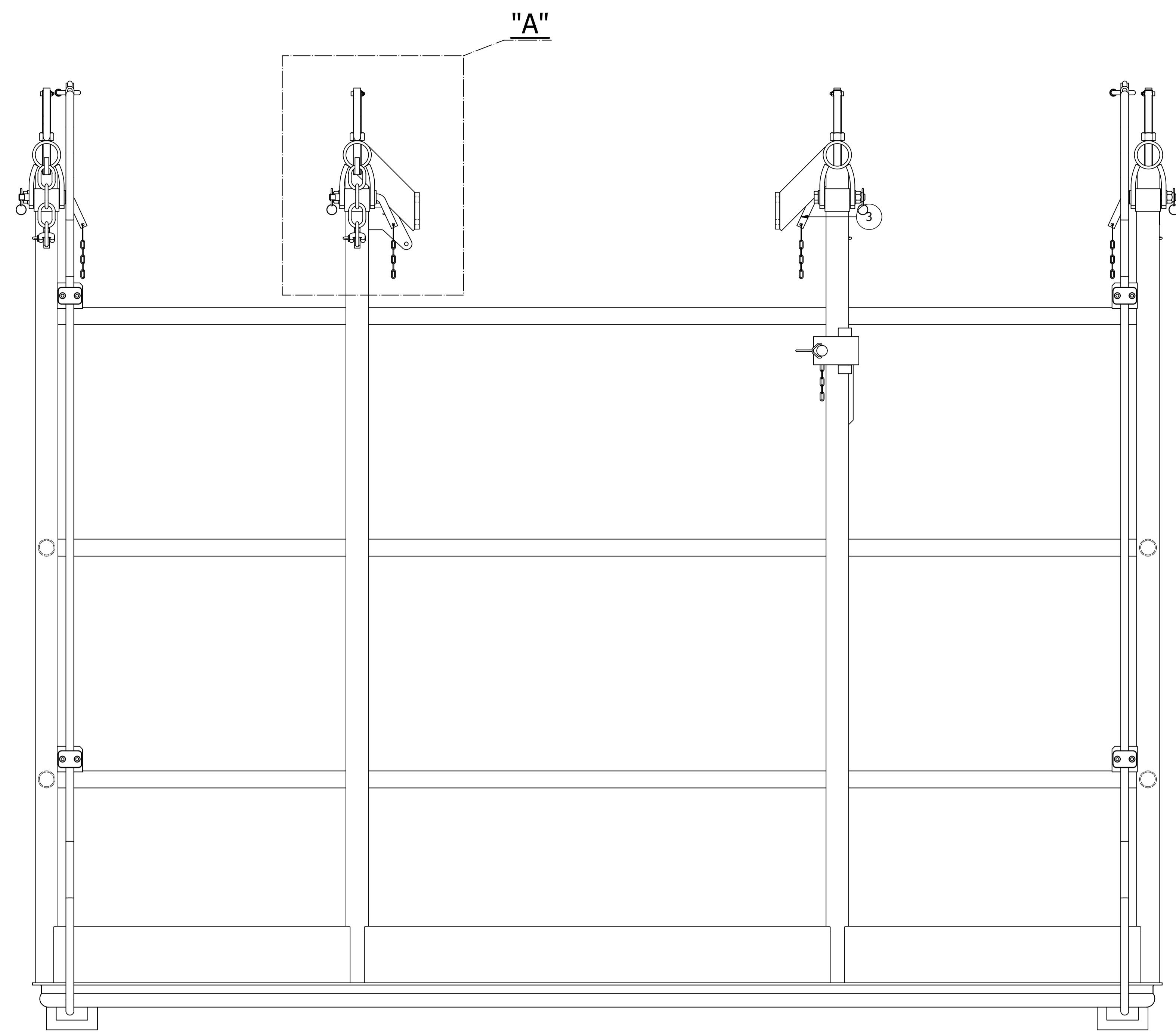


ITEM	CODE	DESCRIPTION	QTY	WEIGHT
7	V00-5100-031	CUSCINETTO - SKF : 6201-2RSH - RADIALE A SFERE - d 12 / D 32 x B 10 [ ]BEARING	2	0 kg
6	H81-1012-003	ROSETTA - ISO 7089 - TE - 12 - 100 HV - Z [ ]WASHER	2	0 kg
5	H77-1012-015	DADO - UNI 7473 - M 12 - GR. 8 - Z - AUTOB.[ ]NUT	1	0 kg
4	H53-1012-120	VITE M12 x120 ISO 4014 -8.8 -Z[ ]BOLT	1	0.1 kg
3	D99-30024	DISTANZIALE D. 16 / 13 x lg. 6 - ALLUMINIO[ ]SPACER	2	0 kg
2	D99-30008	RUOTA D. 150 x lg. 70 - dfg 80 - R.23 - NYLON[ ]WHEEL	1	0.6 kg
1	D99-30006	DISTANZIALE D. 16 / 13 x lg. 48 - ALLUMINIO[ ]SPACER	1	0 kg

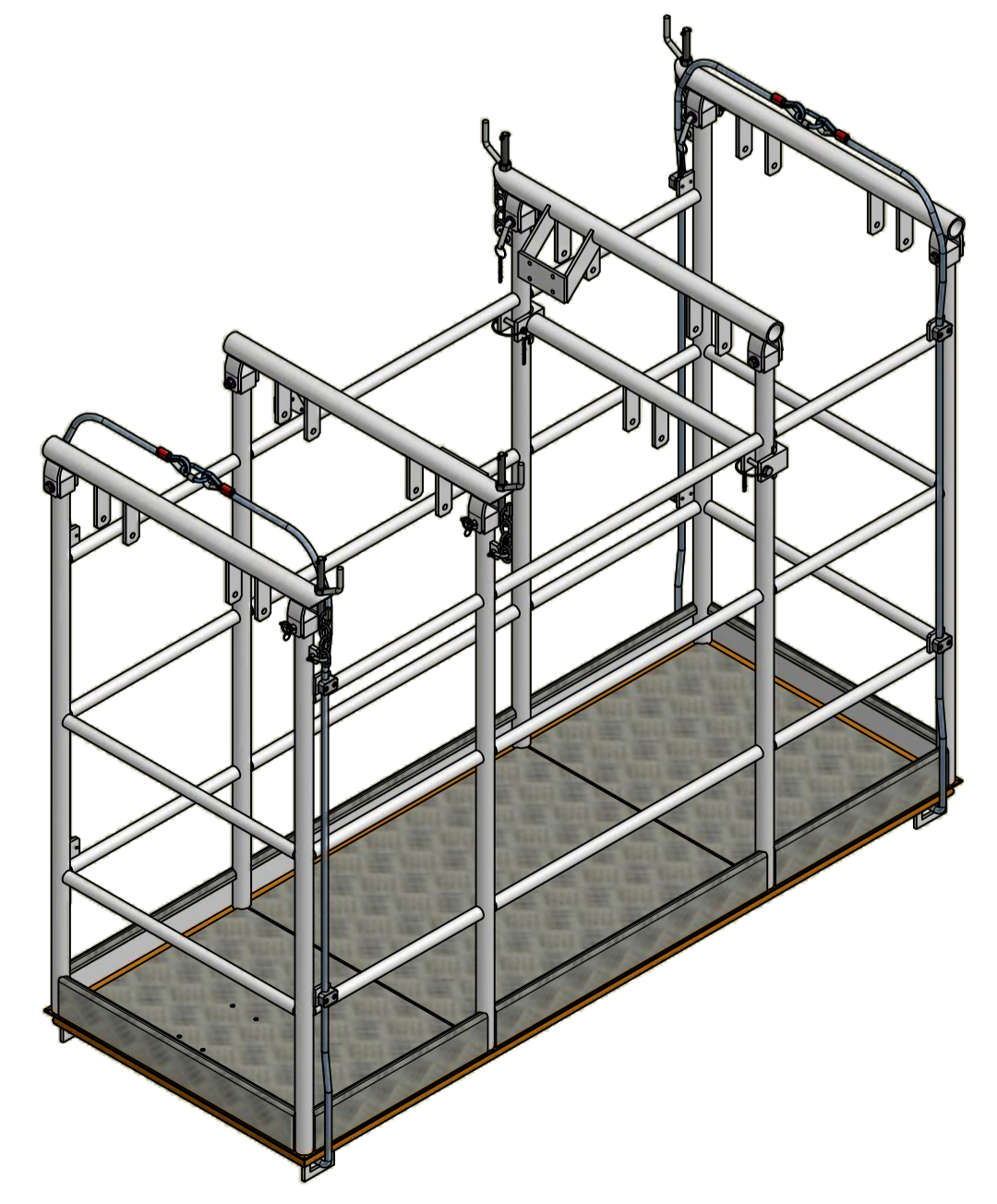
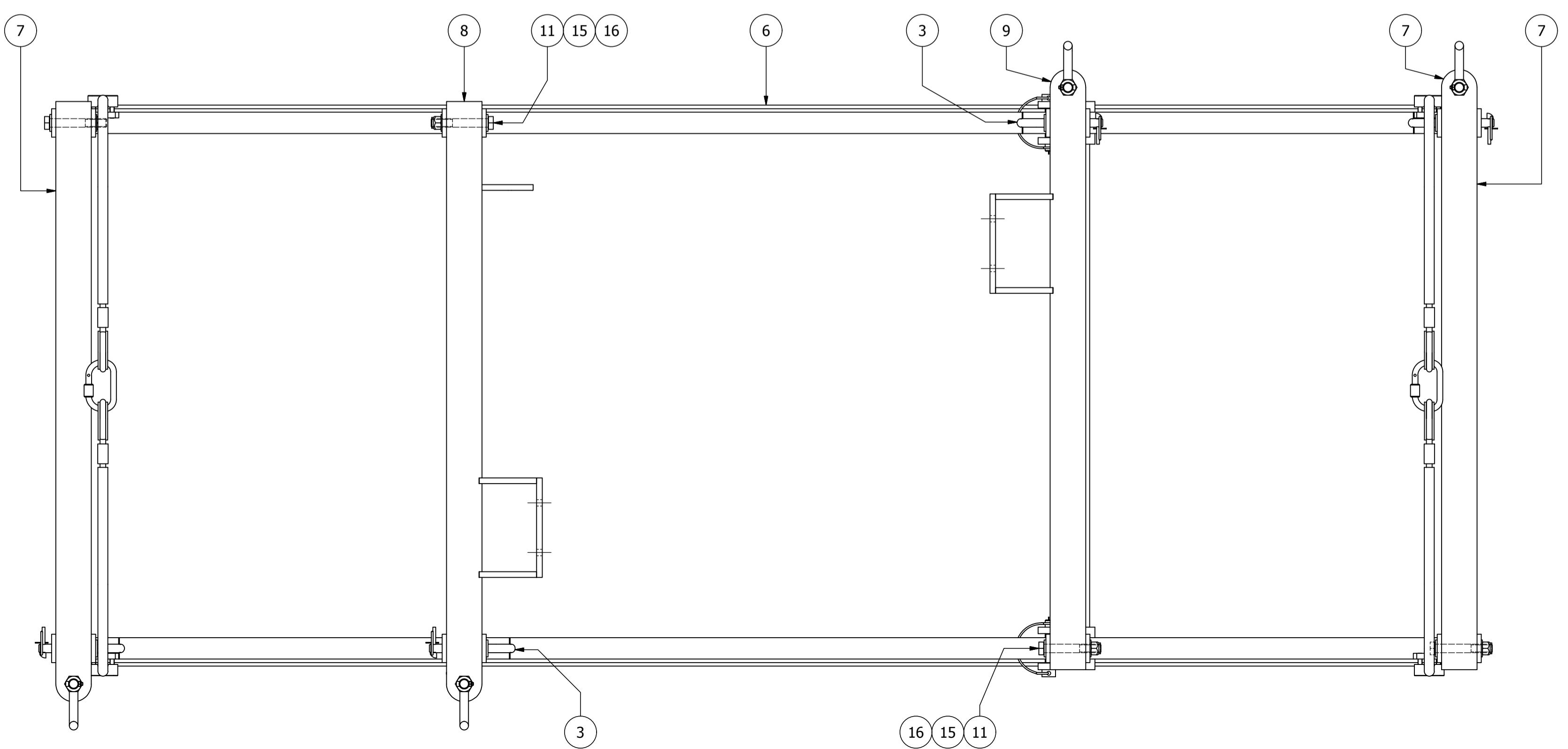
<b>TESMEC</b>		PESO DATA DIS. VISTO		DESCRIZIONE		STATO	
GRASSOBBIO (BG) Tel.035/4232911 - Fax 035/4522445		foresti		ASSEMBLY		W	
ENDINE G. (BG) Tel.035/825044 - Fax 035/826375		12/09/2016		ASSIEME RUOTA NYLATRON			
MONOPOLI (BA) Tel.080/9374002 - Fax 080/4176639		0,81 kg		NYLATRON			
TUTTE LE NORME RICHIAMATE SI INTENDONO NELLA LORO ULTIMA VERSIONE		SCALA 1:1		(FOGLIO 1 / 1)		NUMERO DISEGNO	
SALDATURE IN ACCORDO CON : WPS 1 + 9						A99-30053	
GRADO DI PRECISIONE PER QUOTE LINEARI, ANGOLARI, GEOMETRICHE NON TOLLERATE							
LAV.MECCANICHE UNI EN 22768 - f H							
CARPENTERIA UNI EN 22768 - c K							

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DATE	SYM	REVISION RECORD	DRAWN BY	APPROVED BY



**Dettaglio "A"**  
(1 : 2)

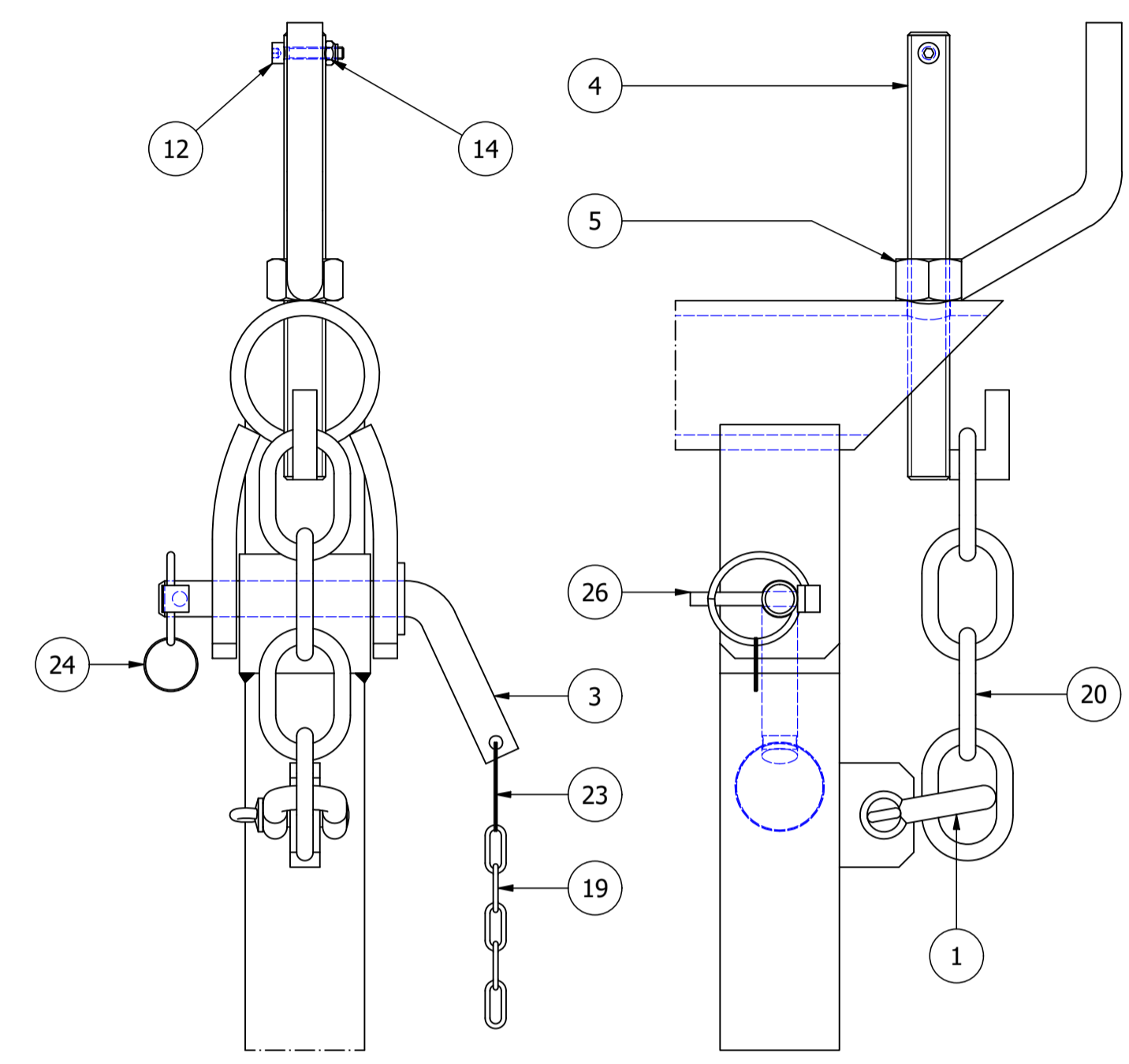
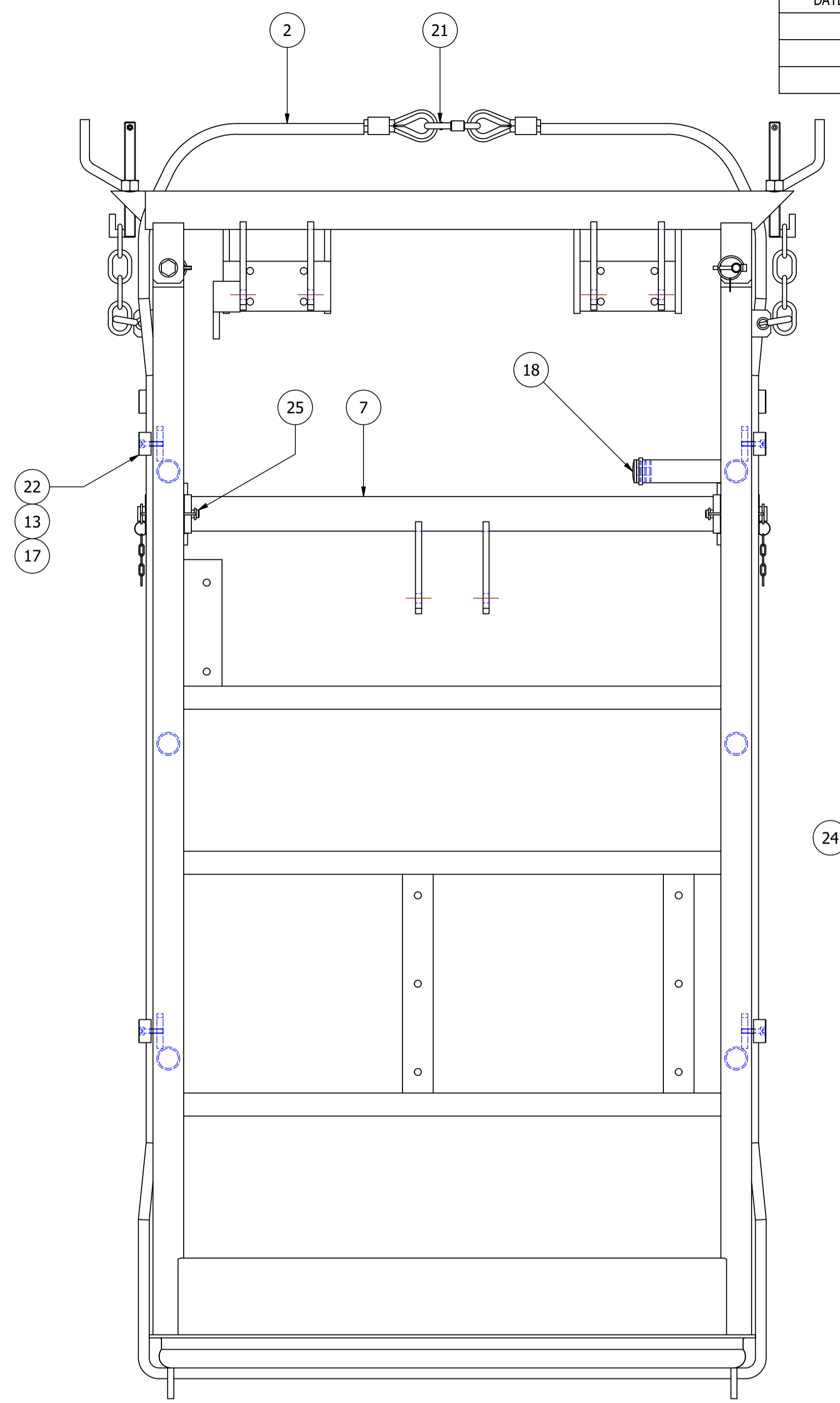
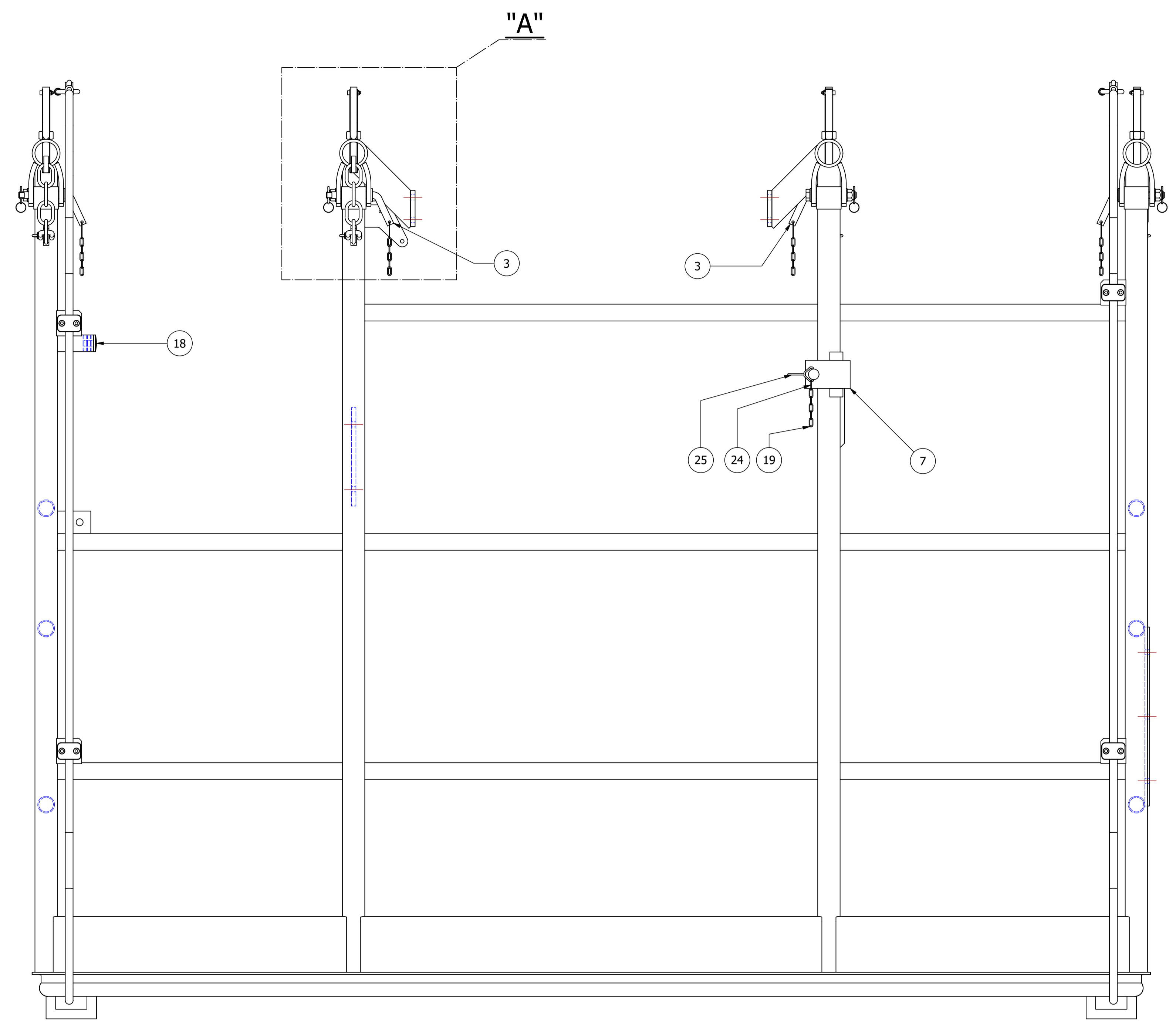


ITEM	CODE	DESCRIPTION	QTY	WEIGHT
25	V00-9020-015	SPINA A SCATTO - D. 4,5 x lg. 45 -AMA :Art. 10524 - PER ALBERI D.10-15[ ]PIN	4	0 kg
24	V00-9020-005	SPINOTTO X MOTOZAPPA - D. 10 x lg. 80 -AMA :Art. 1370[ ]PIN	2	0.1 kg
23	V00-9000-080	ANELLO PER CHIAVI - De.18 - DI.17[ ]RING	6	0 kg
22	V00-9000-052	ANELLO PER CHIAVI - De. 30 - DI. 29 [ ]RING	4	0 kg
21	V00-7151-084	COLLARE SINGOLO D. 14 x 42 - STAUFF : Z14AL[ ]CLAMP	4	0.1 kg
V00-3650-010	MOSCHETTONE - CR.22KN -KONG :730-0003 KO-Z[ ]CARABINE-HOOK	2	0.1 kg	
19	V00-3620-007	CATENA GENOVESE D.5.5 x P.38.5 x Le.23.1 - DIN 5685/C - ZINCATA [ ]CHAIN	0.84	0.1 kg
18	V00-3620-002	CATENA GENOVESE D.1.6 x P.13 x Le.7 - MAGLIA N° 12 - ZINCATA [ ]CHAIN	3.2	0 kg
17	H99-8900-046	ROSETTA -SCHNORR -D.6 [ ]WASHER	16	0 kg
16	H81-1012-003	ROSETTA - ISO 7089 - TE - 12 - 100 HV - Z [ ]WASHER	8	0 kg
15	H77-1012-015	DADO - UNI7473 - M12 - GR.8 -Z -AUTOB.[ ]NUT	4	0 kg
14	H77-1004-006	DADO - UNI 7473 - M 4 - GR. 8 - Z - AUTOB. [ ]NUT	4	0 kg
13	H56-1006-025	VITE - M 6 x 25 - ISO 4762 - 8.8 - Z[ ]BOLT	16	0 kg
12	H56-1004-020	VITE - M4 x20 - UNI4762 - 8.8 - Z[ ]BOLT	4	0 kg
11	H53-1012-080	VITE - M 12 x 80 - UNI 4014 - 8.8 - Z[ ]BOLT	4	0.1 kg
D99-30336	TRAVERSA INFERIORE - TRINATO[ ]CROSSMEMBER	1	1.6 kg	
9	D99-30334	TRAVERSA SUPERIORE - RUOTE NYLON - D99-30008-STAZIONAMENTO-CONTAMETRI	1	2.6 kg
8	D99-30333	TRAVERSA SUPERIORE - INT. 400 - FRENO - CONTAMETRI[ ]CROSSMEMBER	1	2.7 kg
7	D99-30332	TRAVERSA SUPERIORE - INT. 400[ ]CROSSMEMBER	2	2.2 kg
6	D99-30330	TELAIO CARROZZINO 790x2000xH.1488 - CATALOGO[ ]FRAME	1	44.5 kg
5	D99-30021	LEVA MOVIMENTAZIONE TIRANTI 12 x 78 x 100 - ZINCATA[ ]LEVER	4	0.1 kg
4	D99-30020	TIRANTE SBLOCCO CARRELLI 14 x 34 x 150 - ZINCATO[ ]PULLER	4	0.2 kg
3	D99-30019	PERNO - D. 12 - (70) - A MANIGLIA - ZINCATO[ ]PIN	4	0.1 kg
2	ALT241	TIRANTE IN FUNE A.T. 08 MM - L= 4.6 MT - TIPO: R-R - RICOPERTO IN PVC[ ]PULLER	2	1.5 kg
1	ALG155	GRILLO - TIPO G209 - 0.25 t - D=8 (PERNO)[ ]SCREW	4	0.1 kg

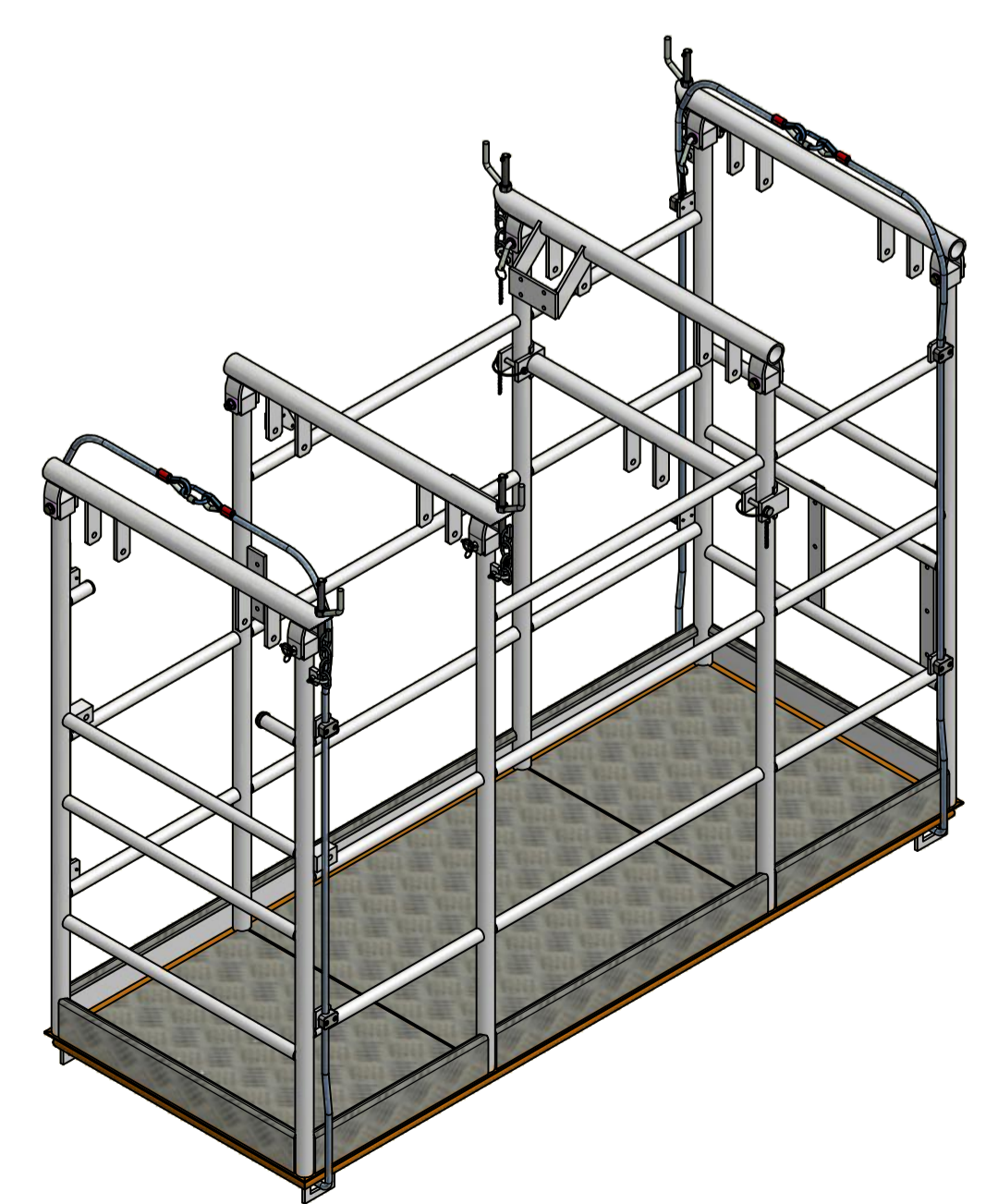
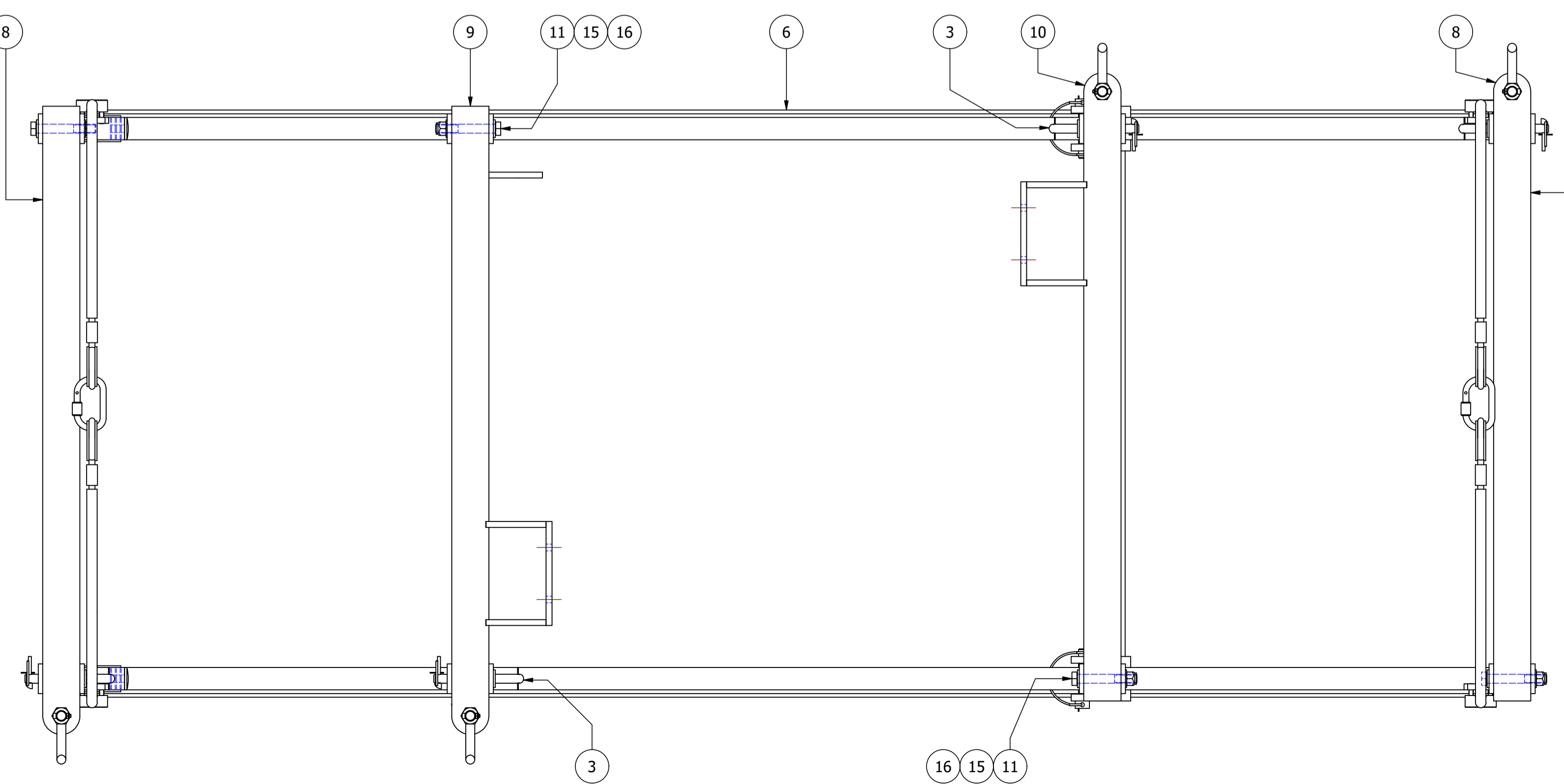
<p>GRASSANOBO (BO) Tel.0542220111 - Fax 0545224445 ENGINE G. (BG) Tel.0569262044 - Fax 0569262975 MONOPOLI (BA) Tel.0809374002 - Fax 0804172639</p> <p>TUTTE LE NORME RICHIAMATE SI INTENDONO NELLA LORO ULTIMA VERSIONE</p> <p>SALDATURE IN ACCORDO CON : WPS 1 : 9</p> <p>GRADO DI PRECISIONE PER QUOTE LINEARI, ANGOLARI, GEOMETRICHE NON TOLLERATE</p> <p>LAV.MECCANICHE UNI EN 22768 - c K CARPENTERIA UNI EN 22768 - f H</p>	<b>Colleoni M.</b> <b>Foresti P.</b> 19/12/2016 62,57 kg	<b>ASSEMBLY</b> <b>ASSIEME TELAIO TRINATO</b> <b>CARROZZINO Int.400</b>	STATO <b>A</b>	
	DESCRIZIONE 19/12/2016 62,57 kg	NUMERO DISEGNO <b>(FOGLIO 1 / 1)</b> <b>A99-30068</b>	1:5	

Il disegno è proprietà della TESMEC s.p.a. A termini di legge si vieta tassativamente la riproduzione e la divulgazione a terzi.

DATE	SYM	REVISION RECORD	DRAWN BY	APPROVED BY



**Dettaglio "A"**  
(1 : 2)



ITEM	CODE	DESCRIPTION	QTY	WEIGHT
26	V00-9020-015	SPINA A SCATTO - D. 4.5 x lg. 45 - AMA - Art. 10524 - PER ALBERI D.10-15 [ ]PIN	4	0 kg
25	V00-9020-005	SPINOTTO X MOTOZAPPA - D. 10 x lg. 80 - AMA - Art. 1370 [ ]PIN	2	0.1 kg
24	V00-9000-080	ANELLO PER CHIAVI - De.18 - Di.17 [ ]RING	6	0 kg
23	V00-9000-052	ANELLO PER CHIAVI - De. 30 - Di. 29 [ ]RING	4	0 kg
22	V00-7151-084	COLLARE SINGOLO D. 14 x 42 - STAUFF - 214AL [ ]CLAMP	4	0.1 kg
21	V00-3650-010	MOSCHETTONE - CR.22KN -KONG -730-0003 KO-Z [ ]CARABINE-HOOK	2	0.1 kg
20	V00-3620-007	CATENA GENOVESE D.5.5 x P.38.5 x Le.23.1 - DIN 5685/C - ZINCATA [ ]CHAIN	0.84	0.1 kg
19	V00-3620-002	CATENA GENOVESE D.1.6 x P.13 x Le.7 - MAGLIA N° 12 - ZINCATA [ ]CHAIN	3.2	0 kg
18	V00-1450-006	PUNTALE ALETTATO D. 30 - Colore NERO - Materiale POLITENE [ ]xx	3	0 kg
17	H99-8900-046	ROSETTA -SCHNORR - D.6 [ ]WASHER	16	0 kg
16	H81-1012-003	ROSETTA - ISO 7089 - TE - 12 - 100 HV - Z [ ]WASHER	8	0 kg
15	H77-1012-015	DADO - UNI7473 - M12 - GR.8 - Z - AUTOB. [ ]NUT	4	0 kg
14	H77-1004-006	DADO - UNI 7473 - M 4 - GR. 8 - Z - AUTOB. [ ]NUT	4	0 kg
13	H56-1006-025	VITE - M 6 x 25 - ISO 4762 - 8.8 - Z [ ]BOLT	16	0 kg
12	H56-1004-020	VITE - M4 x20 - UNI4762 - 8.8 - Z [ ]BOLT	4	0 kg
11	H53-1012-080	VITE - M 12 x 80 - UNI 4014 - 8.8 - Z [ ]BOLT	4	0.1 kg
10	D99-30339	TRAVERSA SUPERIORE - RIUTE NYLON - D99-30008-STAZIONAMENTO-CONTAMETRI	1	2.6 kg
9	D99-30338	TRAVERSA SUPERIORE - INT. 457 - FRENO - CONTAMETRI [ ]CROSSMEMBER	1	2.7 kg
8	D99-30337	TRAVERSA SUPERIORE - INT. 457 [ ]CROSSMEMBER	2	2.2 kg
7	D99-30336	TRAVERSA INFERIORE - TRINATO [ ]CROSSMEMBER	1	1.6 kg
6	D99-30331	TELAIO CARROZZINO MOT. 790x2000xH.1488 - CATALOGO [ ]FRAME	1	46 kg
5	D99-30021	LEVA MOVIMENTAZIONE TIRANTI 12 x 78 x 100 - ZINCATA [ ]LEVER	4	0.1 kg
4	D99-30020	TIRANTE SBLOCCO CARRELLI 14 x 34 x 150 - ZINCATO [ ]PULLER	4	0.2 kg
3	D99-30019	PERNO - D. 12 - (70) - A MANIGLIA - ZINCATO [ ]PIN	4	0.1 kg
2	ALT241	TIRANTE IN FUNE A.T. 08 MM - L= 4.6 MT - TIPO: R-R - RICOPERTO IN PVC [ ]PULLER	2	1.5 kg
1	ALG155	GRILLO - TIPO G209 - 0.25 t - D=8 (PERNO) [ ]SCREW	4	0.1 kg

<p>GRASSANOBO (BO) Tel 0542220911 - Fax 0544522445 ENGINE G. (BG) Tel 0529262444 - Fax 0535826375 MONOPOLI (BA) Tel 0809374002 - Fax 0804172639</p> <p>TUTTE LE NORME RICHIAMATE SI INTENDONO NELLA LORO ULTIMA VERSIONE</p> <p>SALDATURE IN ACCORDO CON : WPS 1 + 9 GRADO DI PRECISIONE PER QUOTE LINEARI, ANGOLARI, GEOMETRICHE NON TOLLERATE LAV. MECCANICHE UNI EN 22768 - c K CARPENTERIA UNI EN 22768 - f H</p>	<b>Colleoni M.</b> <b>Foresti P.</b> 19/12/2016 64,06 kg	<b>ASSEMBLY</b> <b>ASSIEME TELAIO TRINATO</b> <b>CARROZZINO - Int.457</b>	STATO <b>A</b>	
	PRESSIONE DATA DIS DESCRIZIONE 1/1	NUMERO DISEGNO <b>A99-30073</b>	FOGLIO 1 / 1	SCALE 1:5
	Il disegno è proprietà della TESMEC s.p.a. A termini di legge si vieta tassativamente la riproduzione e la divulgazione a terzi.			