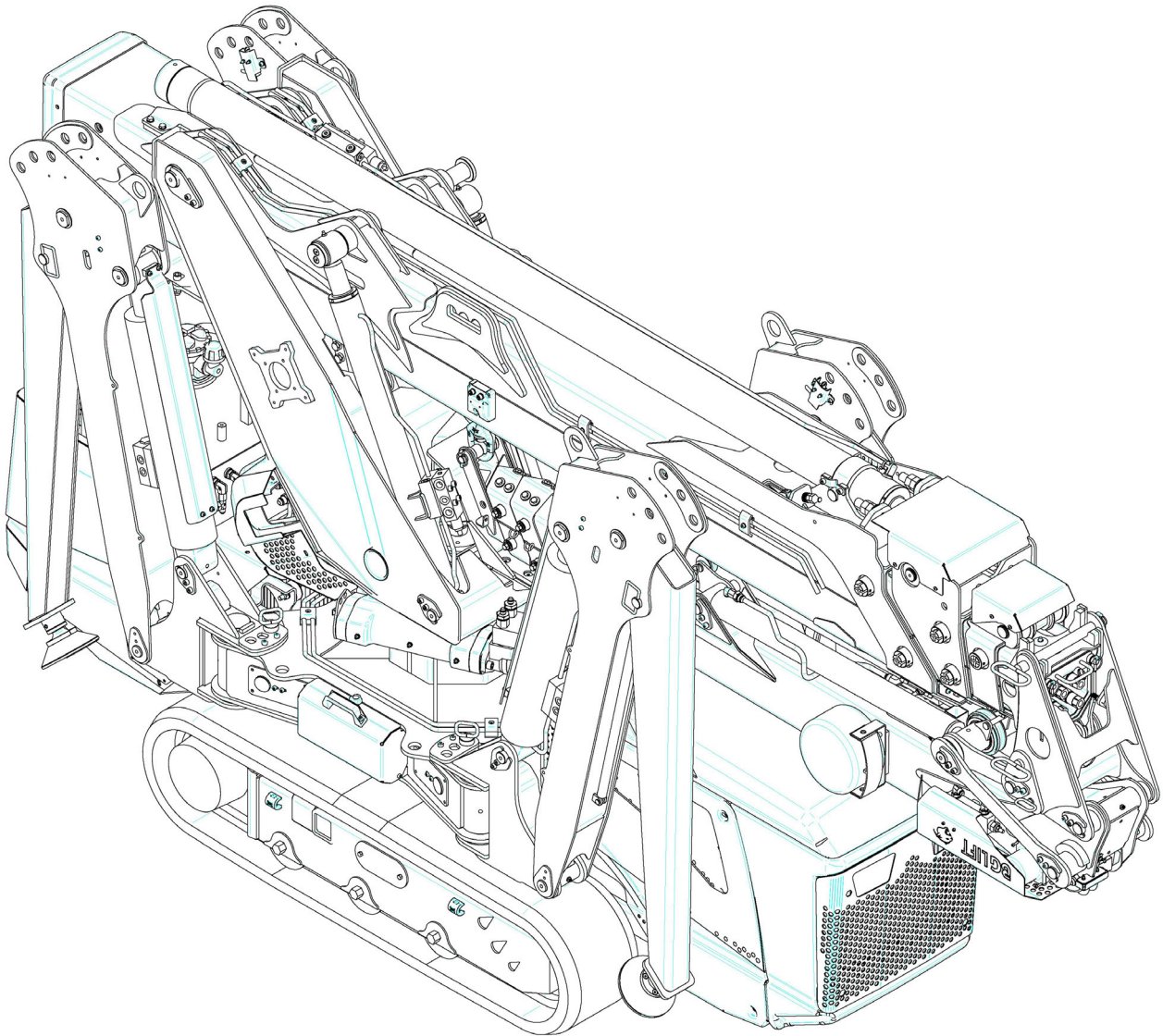




# SPARE PARTS CATALOGUE



**Model: M 250**

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**CRAWLER CRANE**

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**GENERAL INDEX**

**SPARE PARTS CATALOGUE 1-1**

**Model: M 250 1-1**

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# 1 REQUEST PROCEDURES

## 1.1 Preliminary indications

Catalogue information:

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▪ Number of Version / Revision:	<b>01/00</b>
▪ Language:	<b>ENGLISH</b>
▪ Month and year of issue:	<b>April 2021</b>
▪ Model serial number validity:	From: _____ - To: _____

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## 1.2 References

All the requests for spare parts, as well as any other request for information and/or clarifications on machine operations, must be addressed to:



**“Customer Technical Assistance”:**

**Brennero Gru S.r.l.**

**Via Lionello Fiumi, 22 - 37010 - Cavaion Veronese (VR) - Italy**

**Phone: +39 045 6260100**

**Web site: [www.bglift.com](http://www.bglift.com) - e-mail: [info@bglift.com](mailto:info@bglift.com)**

When requesting spare parts please state the following information:

- 
- Type and model of the machine;
  - Serial number;
  - Year of manufacture;
  - Code of the required part.
- 



**Any tampering and/or replacement of components with non original parts - not approved by the Manufacturer - cause the automatic invalidation of the machine's guarantee.**

**The manufacturer declines any responsibility for any harm caused to people, domestic animals or objects arising from the use of such components.**



**Events that regard the operational life of the platform such as:**

**Replacement of motors, mechanisms, structural elements, electrical components, safety devices and relative components must be registered on the special record book enclosed to the machine manual.**







## 2 SPARE PARTS LIST

### 2.1 Codes of the main machine components

A list of the basic data for spare part identification is given here below.

#### 2.1.1 DT0031 - SCHEDULE 1 PULLEY WINCH BLOCK

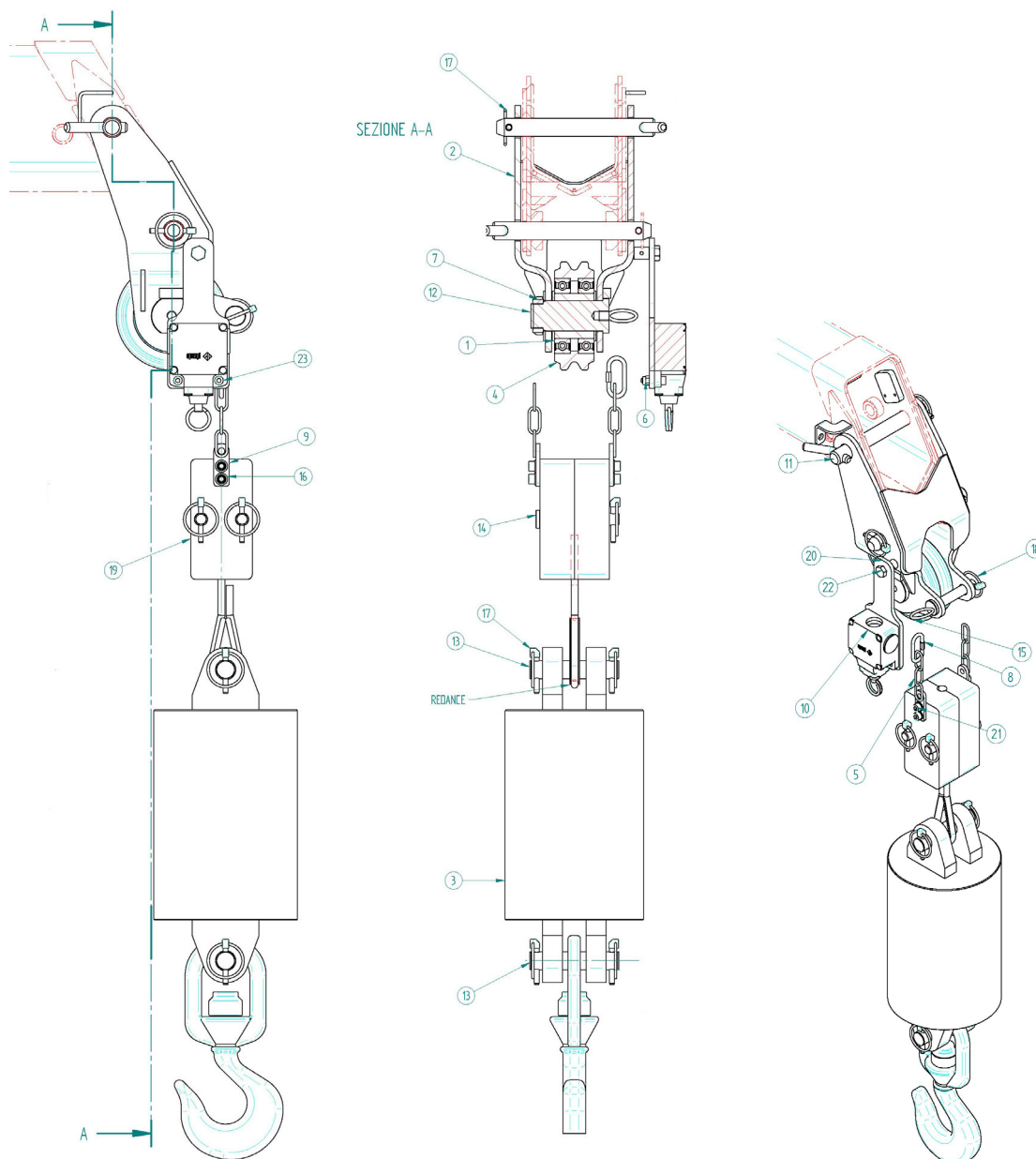


Fig. 2-1: Assembly drawing DT0031

No.	Description	Code
1	Washers of thickness 30,5 DIN988 PS30421 INOX	AS0007
2	Lower 1 pulley winch block	BZ0001
3	Simple layer block	BZ0002

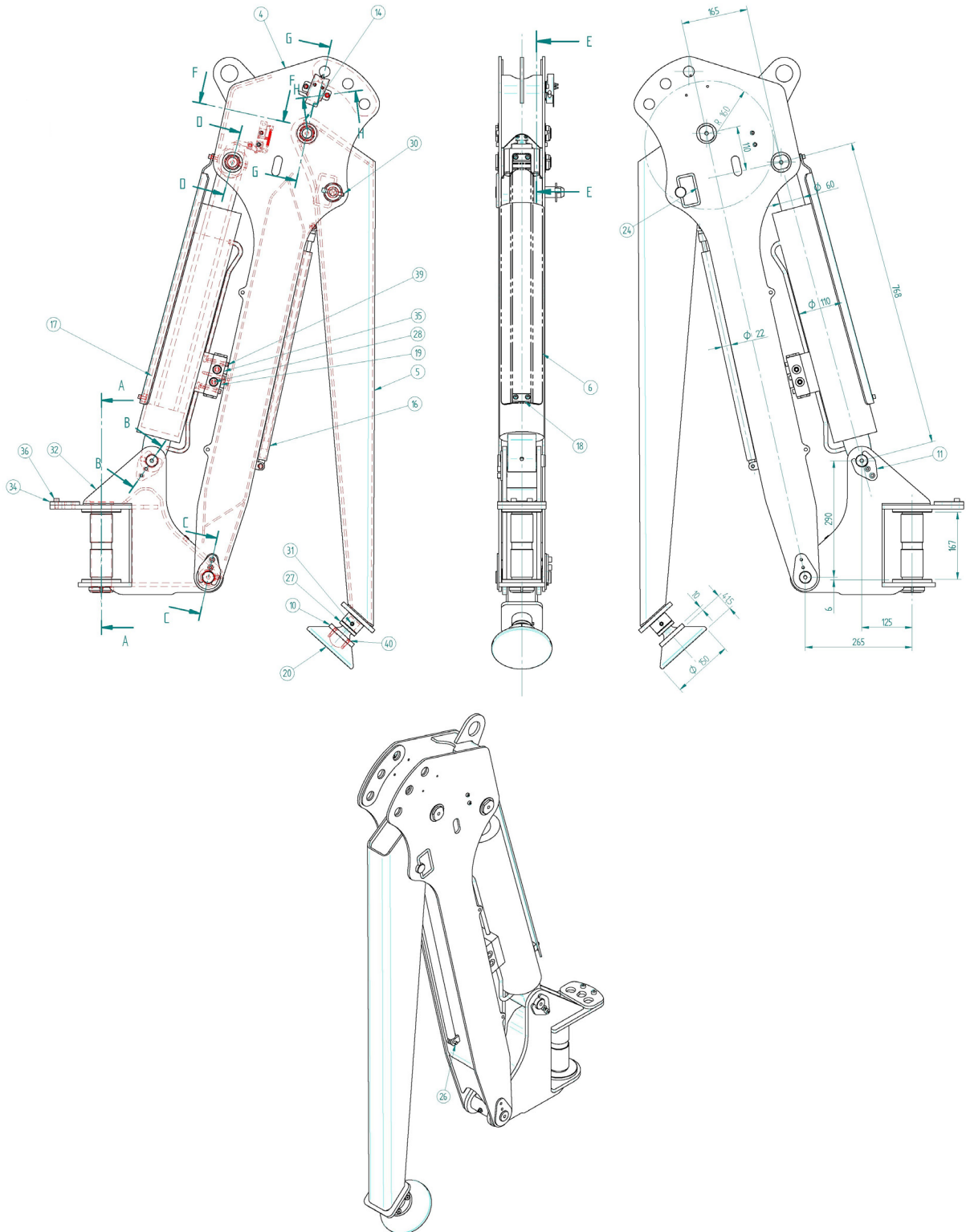


No.	Description	Code
4	Pulley kit with bearing and 30 mm pin	CE0002KIT30
5	Chain diam. 2,5	CT0001
6	Self-locking nut M5 UNI 7473 ZN	DD0015
7	Self-braking ring type GUK M25x1,5	GH0004
8	Snap-hook with screw 40mm ZN	GL0005
9	Steel plate	LM0467
10	Pizzato micro-switch FL576	MI0048
11	Pin for winch block diam. 18 mm	PR0010
12	Pin for winch block diam. 30 mm	PR0012
13	Pin for lower winch block	PR0013
14	Pin	PR0017
15	Foot-peg pin diam. 12 with mesh	PR0064
16	Washers SCHNORR S6	RO0004
17	Snap plug D5 SN050A (ISI)	SP0001
18	Snap-plug D4.5 SN045A	SP0002
19	Support	SU0033
20	Micro-switch support plate	SU0168
21	Screw TCEI M6x26 UNI5931 CL.8.8 ZN	VT0002
22	Screw TE M8x20 UNI5739 CL.8.8	VT0026
23	Screw TCEI M5x20 UNI 5931 CL.8.8 ZN	VT0039

Table 2-1: Spare parts for DT0031



**2.1.2 DT0033 - SCHEDULE OUTRIGGERS 2-4**



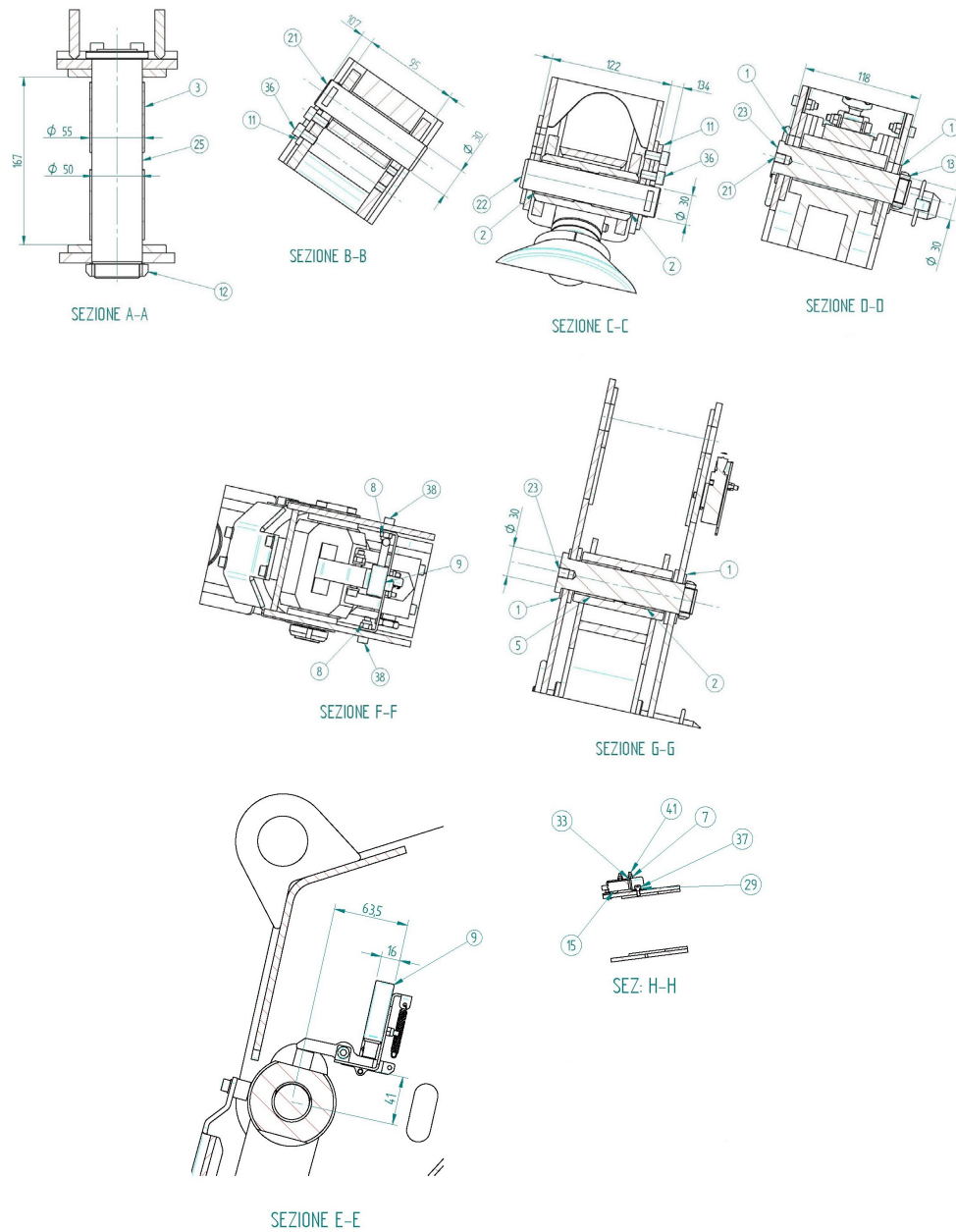


Fig. 2-2: Assembly drawing DT0033

No.	Description	Code
1	INOX thickening washers int. diam. 30,5 DIN988 PS30421	AS0007
2	Bush DU 30x40	BC0019
3	Bush DU 50x70	BC0032
4	1° outrigger arm	BR0024
5	2° outrigger arm	BR0025
6	Crankcase for outrigger cylinder	CR0035
7	Self-locking nut M4 UNI 7473 ZN	DD0004
8	Self-locking nut M6 UNI 7473 ZN	DD0005



No.	Description	Code
9	Schedule for outrigger on the ground micro-switch	DT0034
10	Flange for plastic plate M250	FL0019
11	Fork pin fastening door diam. 30	FP0001
12	Self-braking ring type GUK M45X1,5	GH0003
13	Self-braking ring type GUK M25X1,5	GH0004
14	Greasing straight connector M10x1 UNI 7663	IN0001
15	Piston micro-switch with wheel NC+NO	MI0057
16	Gas spring 22x500 F=550N	MO0003
17	Outrigger cylinder 95x60x440 M250	MR0006
18	Slides pad for crankcase outrigger cylinder	PA0025
19	Slides pad for outrigger cylinder	PA0057
20	Plastic plate diam. 150mm sphere diam. 50mm M250	PO0004
21	Pin for main outrigger cylinder. Diam. 30	PR0027
22	Pin 1° outrigger arm. Diam. 30	PR0028
23	pin 1° outrigger arm. Threaded Diam. 30	PR0029
24	pin 2° outrigger arm. Diam. 30	PR0030
25	Pin for outrigger arm diam. 50	PR0031
26	Pin diam. 8X25	PR0032
27	Pin with sphere diam. 50 mm for outrigger ground support M250	PR0088
28	Drilled screw connection eye 1/4"G (A301108-13)	RA0062
29	Washer SCHNORR S6	RO0004
30	Snap plug D8 SN080A	SP0003
31	Elastic plug D8x55 UNI8752	SP0004
32	Support for outrigger arm	SU0037
33	Support for outrigger arm open/close micro-switch	SU0039
34	Support for outrigger pin position (0-22-45) micro-switch	SU0201
35	Outrigger flanged block valve	VA0005
36	Screw TCEI M8x16 UNI5931 CL.8.8 ZN	VT0012
37	Screw TCEI M6x12 UNI5931 CL.8.8	VT0016
38	Screw TCEI M6x20 UNI5931 CL.8.8 ZN	VT0017
39	Screw TCEI M6x40 UNI5931 CL.8.8	VT0018
40	Screw TSPEI M6x20 UNI5933 CL.8.8	VT0020
41	Screw TCEI M4x25 UNI5931 CL.8.8	VT0021

Table 2-2: Spare parts for DT0033

**2.1.3 DT0034 - SCHEDULE FOR OUTRIGGER ON THE GROUND MICRO-SWITCH**

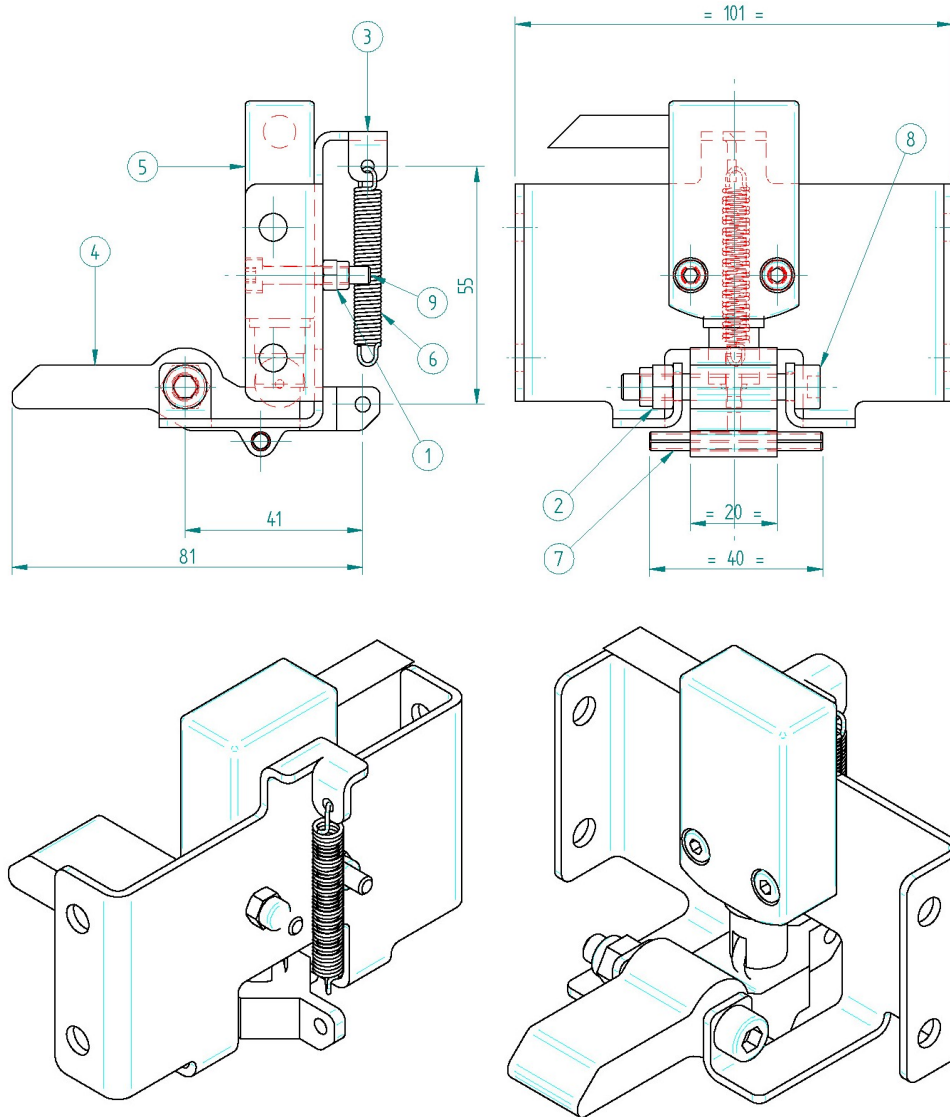


Fig. 2-3: Assembly drawing DT0034

No.	Description	Code
1	Self-locking nut M4 UNI 7473 ZN	DD0004
2	Self-locking nut M6 UNI 7473 ZN	DD0005
3	Steel plate	LM0555
4	Steel plate	LM0556
5	Piston micro-switch with wheel NC+NO	MI0057
6	Tension spring De=6,3 Df=0,9 LO=44,1	MO0001
7	Elastic plug D4x40 UNI6874-71	SP0005
8	Screw TCEI M6x40 UNI5931 CL.8.8	VT0018
9	Screw TCEI M4x25 UNI5931 CL.8.8	VT0021

Table 2-3: Spare parts for DT0034



**2.1.4 DT0035 - SCHEDULE FOR SECOND JIB EXTENSION ARM**

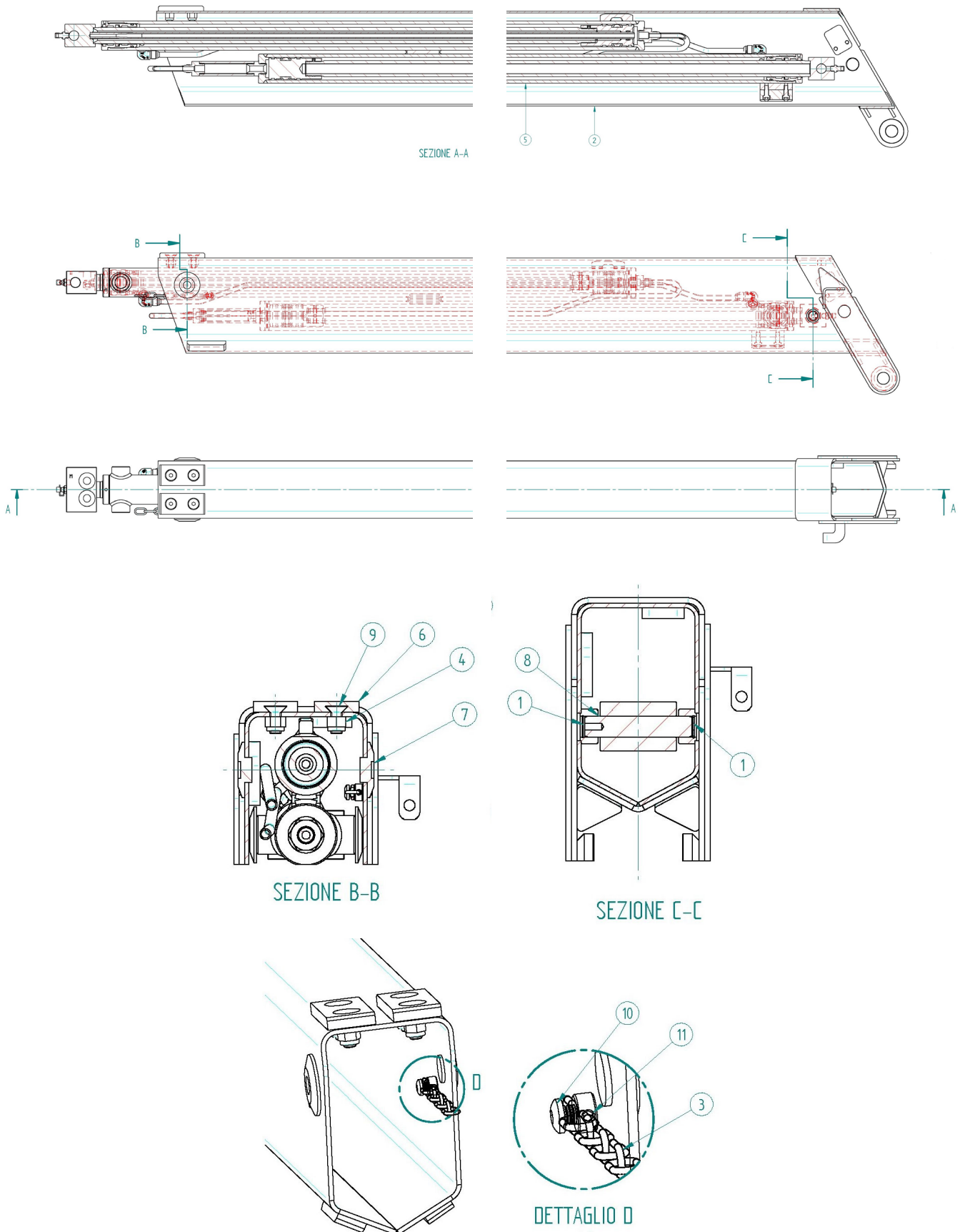


Fig. 2-4: Assembly drawing DT0035



No.	Description	Code
1	Elastic ring INOX for hole diam. 15 UNI7437-75  15	AS0003
2	Second jib extension arm	BR0013
3	Steel chain diam. 2,5 mm 10 link Jib M250	CT0018
4	self-locking nut M8 UNI 7473 ZN	DD0002
5	Schedule for jib extension cylinder	DT0040
6	snap-hook simplex nich. with screw 30mm	GL0008
7	wear pad	PA0001
8	wear pad	PA0005
9	Pin for jib extension cylinder. Diam. 15 mm	PR0021
10	Screw TSPEI M8x20 UNI5933 CL.8.8	VT0010
11	Screw TCBEI M6x10 UNI7380 cl.8.8 ZN	VT0136
12	INOX grain M4x5 UNI5923 INOX	VT0228

Table 2-4: Spare parts for DT0035

**2.1.5 DT0036 - SCHEDULE FOR FIRST JIB EXTENSION ARM**

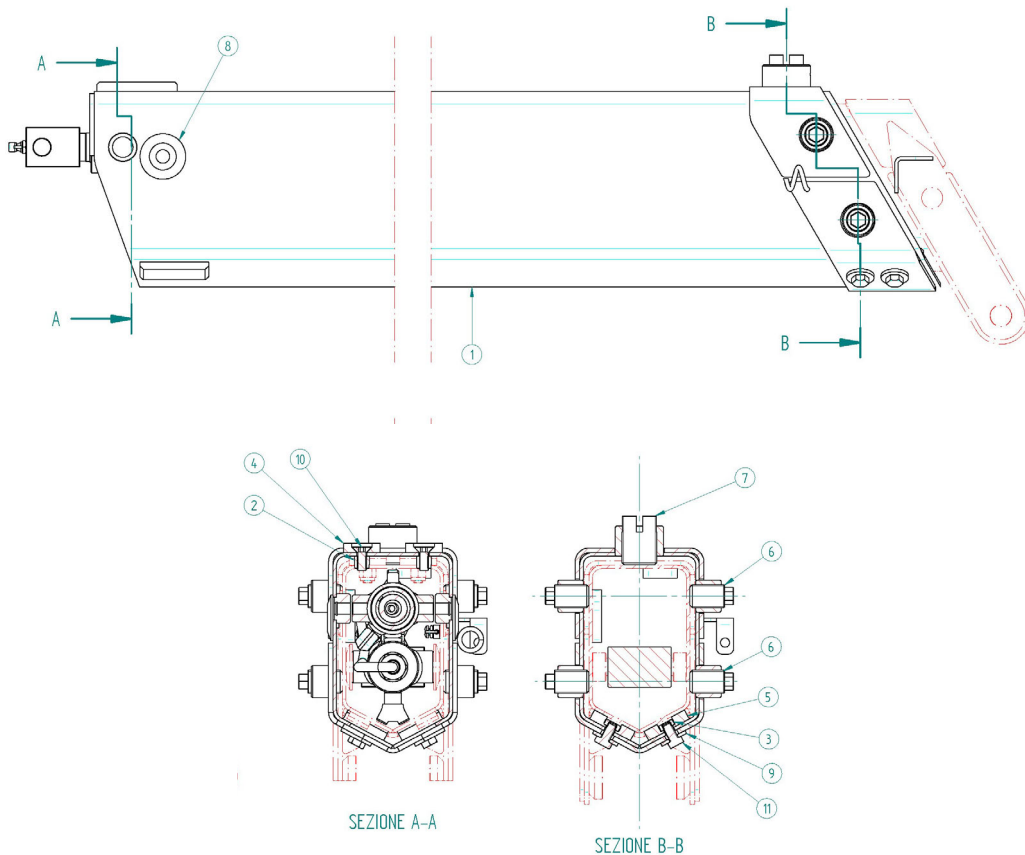


Fig. 2-5: Assembly drawing DT0036

No.	Description	Code
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No.	Description	Code
1	First jib extension arm	BR0012
2	Self-locking nut M8 UNI 7473 ZN	DD0002
3	Lower nuts M8 UNI 5589	DD0003
4	Wear pads	PA0001
5	Wear pads	PA0002
6	Wear pads	PA0003
7	Wear pads	PA0004
8	Wear pads	PA0005
9	Flat rosette 8x25 UNI 6593-69 ZN	RO0016
10	Screw TSPEI M8x20 UNI5933 CL.8.8	VT0010
11	Screw TE M8x16 UNI5739 CL.8.9	VT0011

Table 2-5: Spare parts for DT0036

**2.1.6 DT0037 - SCHEDULE FOR MAIN JIB ARTICULATED ARM**

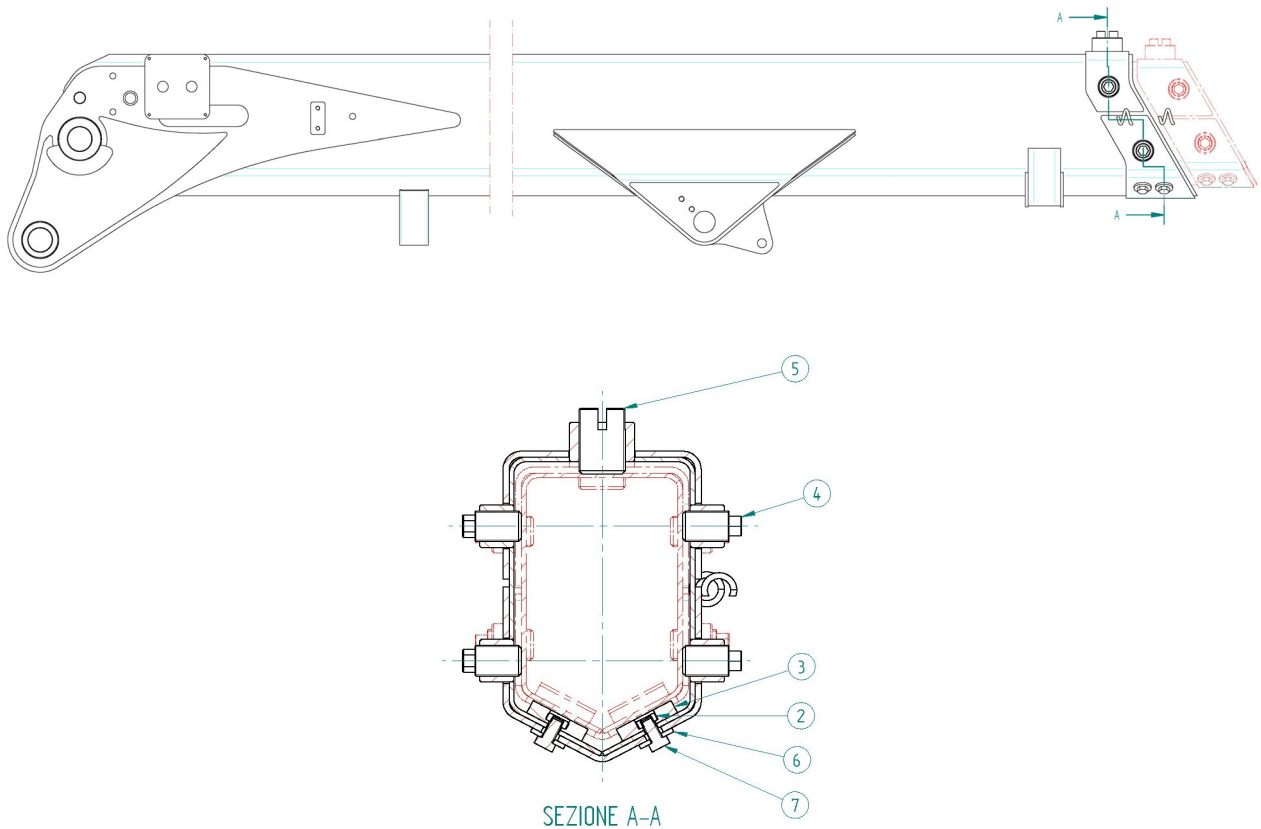


Fig. 2-6: Assembly drawing DT0037

No.	Description	Code
1	Main jib articulated arm	BR0011
2	Lower nuts M8 UNI 5589	DD0003



No.	Description	Code
3	Wear pad	PA0002
4	Wear pad	PA0003
5	Wear pad	PA0004
6	Flat rosette 8x25 UNI 6593-69 ZN	RO0016
7	Screw TE M8x16 UNI5739 CL.8.9	VT0011

Table 2-6: Spare parts for DT0037

2.1.7 DT0038 - SCHEDULE JIB EXTENSION M250

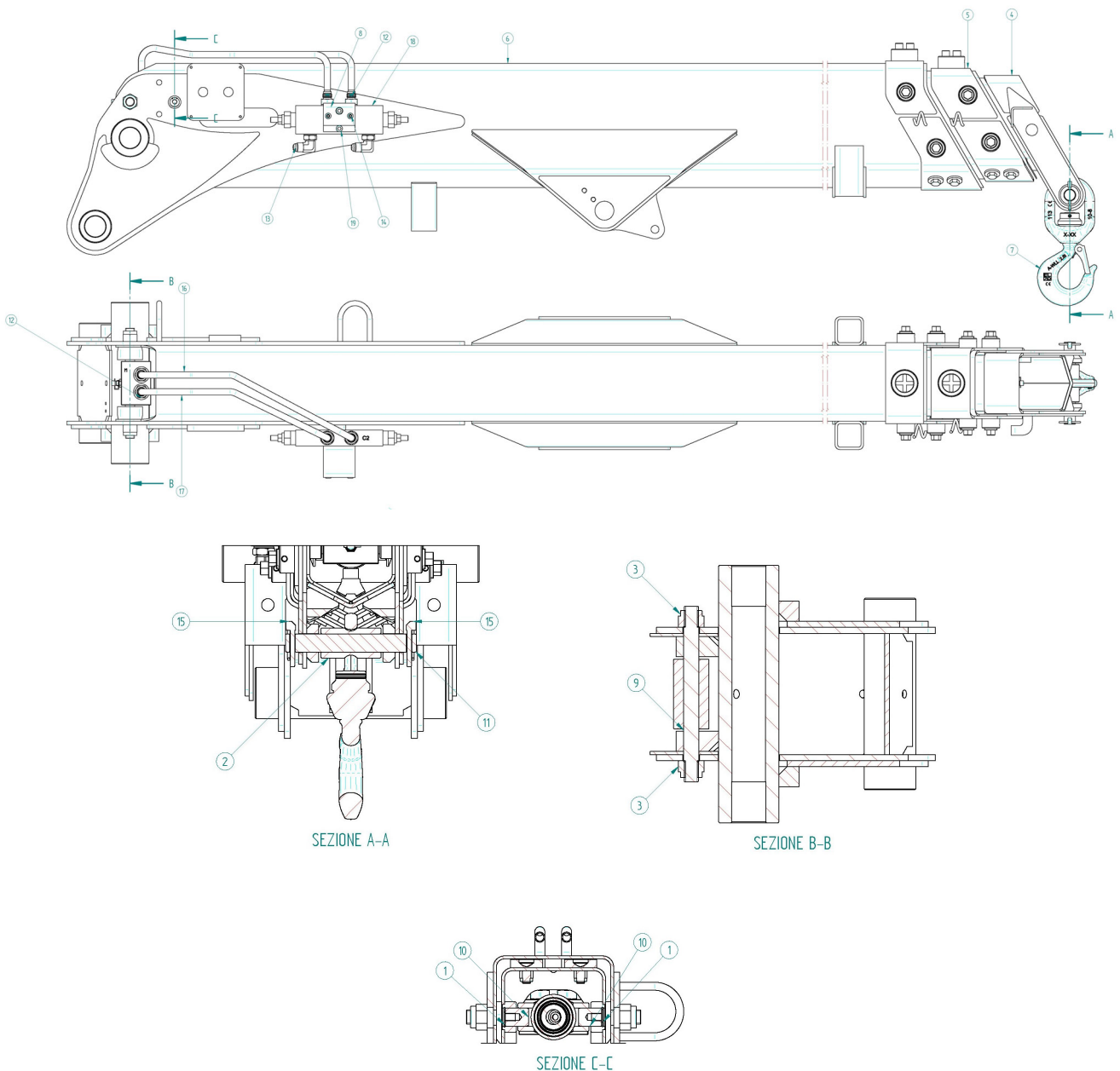


Fig. 2-7: Assembly drawing DT0038

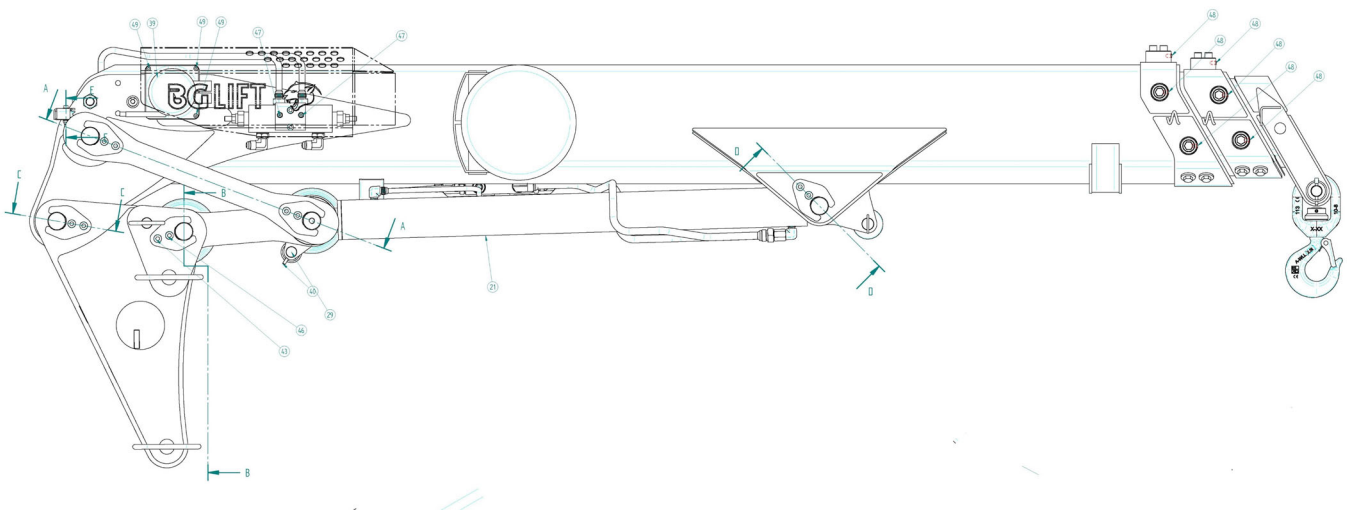
No.	Description	Code
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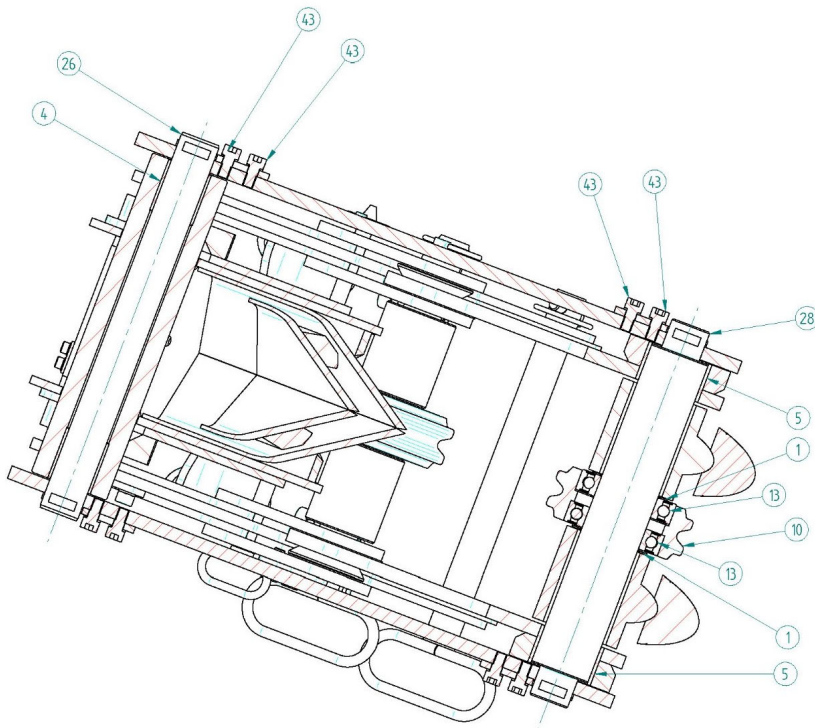
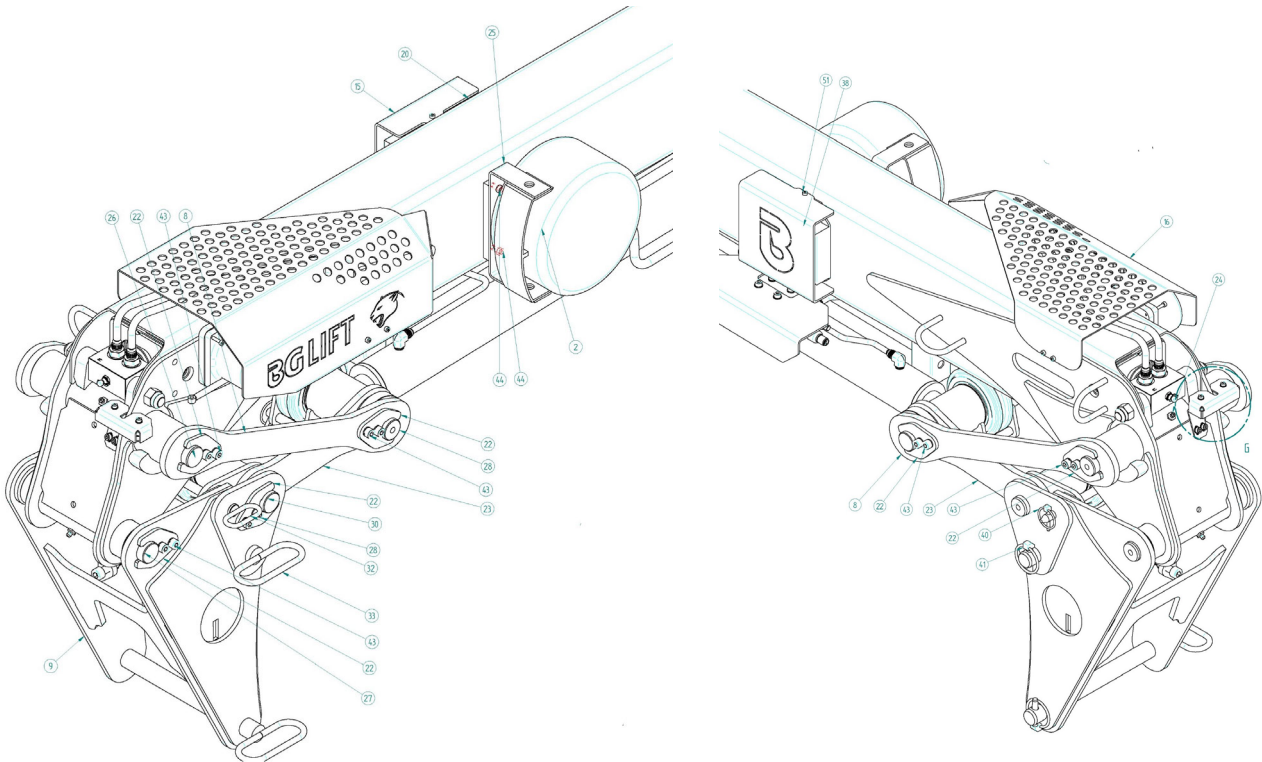


No.	Description	Code
1	INOX elastic ring for hole diam. 18 UNI7437-75  18	AS0004
2	Bush for Jib hook connection	BC0027
3	Self-losing M14 UNI 7473 ZN	DD0007
4	Schedule for second jib extension arm	DT0035
5	Schedule for first jib extension arm	DT0036
6	Schedule for main articulated arm	DT0037
7	lifting hook ELD 2,5 ton 168020 ES	GA0004
8	Steel plate	LM1951
9	Pin for jib extension cylinder. Diam. 15 mm	PR0022
10	Pin for jib extension cylinder. Diam. 18 mm	PR0023
11	Pin 18X130 mm for jib block	PR0101
12	Streight connection M1/4"G - M9/16" JIC (A102023-1013) with OR	RA0038
13	connection 90° MOR1/4"G - M9/16"JIC (A107039-1013) with OR	RA0074
14	Cylindrical threaded insert M4X10 dome head ZN	RV0005
15	Snap plug D4.5 SN045A	SP0002
16	Steel pipe JIC 10x1 extension jib cylinder M250	TF0113
17	Steel pipe JIC 10x1 extension jib cylinder M250	TF0114
18	Double block valve AF MB000072	VA0008
19	Screw TCEI M6x35 UNI5931 CL.8.8 ZN	VT0155

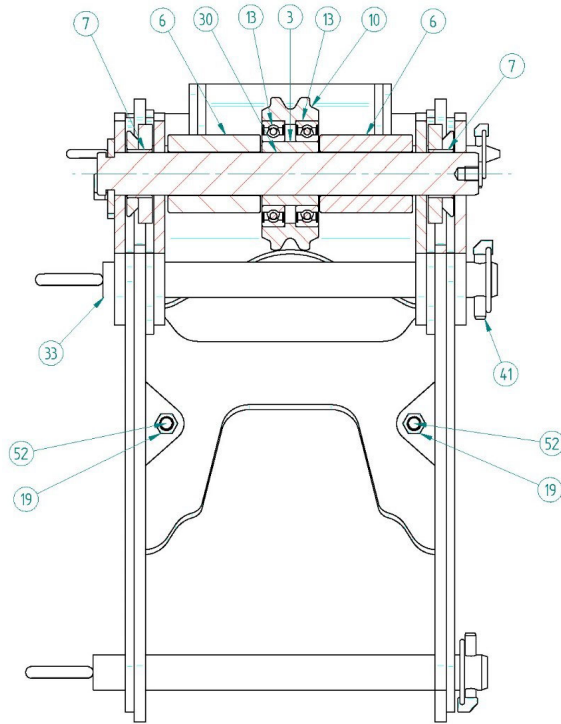
Table 2-7: Spare parts for DT0038

**2.1.8 DT0039 - SCHEDULE FOR JIB ARTICULATION**

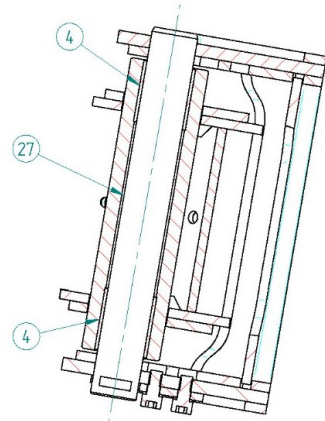




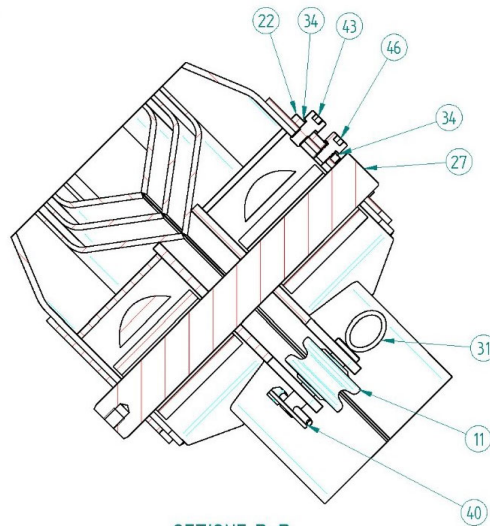
SEZIONE A-A



SEZIONE B-B



SEZIONE C-C



SEZIONE D-D

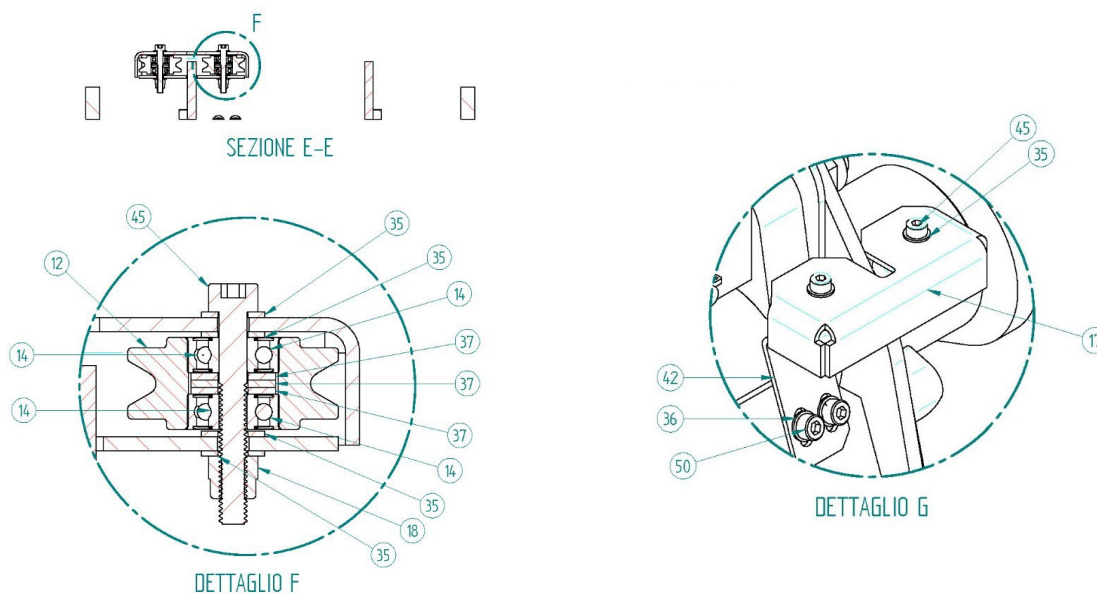


Fig. 2-8: Assembly drawing DT0039

No.	Description	Code
1	Washers of thickness 30x42x0,5 diam. int. 48 DIN988 PS48601 INOX	AS0008
2	Cable reel ZECA 2x1 L=7m+1m	AV0008
3	Jib block bush	BC0015
4	Bush DU 30x40	BC0019
		BC0020
5	Bush DU 45x50 L=30	
6	Bush	BC0022
7	Bush DU 30x34 L=18	BC0023
8	Articulation conrod	BL0001
9	Jib arm	BR0010
10	Pulley for 7 and 8 mm rope	CE0002
11	Pulley	CE0003
12	Extension length sensor pulley M400	CE0013
13	Bearing SKF 6009-2Z	CK0001
14	Bearing SKF 624 2RS	CK0004
15	crankcase SE0011	CR0111
16	Crank-cover for Jib length angle sensor	CR0152
17	Crank-cover for Jib length angle rope referral	CR0283
18	Self-locking nut M4 UNI 7473 ZN	DD0004
19	Special nut M10 CH.14 ZN	DD0033
20	Schedule Jib extension M250	DT0038



No.	Description	Code
21	Schedule jib articulation cylinder	DT0043
22	Fork pin fastening dor diam. 30	FP0001
23	Articulation range	FR0001
24	Greasing straight connector M10x1 UNI 7663	IN0001
25	Steel plate	LM1020
26	Pin	PR0014
27	Pin	PR0015
28	Pin	PR0016
29	Pin	PR0017
30	Pin	PR0018
31	Pin	PR0019
32	Pin	PR0020
33	Pin for jib boom. Diam. 25	PR0025
34	Washer SCHNORR S8 ZN	RO0008
35	Flat washer for screw M4 4,3x9x0,8 UNI6602A	RO0040
36	Spring conical knurled washer 5x10 SP.1,0 NF E 25-511	RO0046
37	Flat washer for screw M4 4,3x12x1	RO0063
38	Circuit board management for 1 CAN signal and 2 4-20 mA signal	SE0011
39	CAN bus Jib length angle sensor (5m) single channel	SN0014
40	Snap plug D4.5 SN045A	SP0002
41	Snap plug D8 SN080A	SP0003
42	Support plate for Jib length angle rope referral	SU0445
43	Screw TCEI M8x16 UNI5931 CL.8.8 ZN	VT0012
44	Screw TCEI M6x12 UNI5931 CL.8.8	VT0016
45	Screw TCEI M4x30 UNI5931 CL.8.8 ZN	VT0056
46	Screw TCEI M8x12 UNI5931 CL.8.8 ZN	VT0058
47	Screw TCEI M4x16 UNI5931 CL.8.8	VT0074
48	Pointed grain M6x10 UNI 5927 INOX	VT0117
49	Screw TCEI M4x35 UNI5931 CL.8.8 ZN	VT0124
50	Screw TCEI M5x10 UNI5931 cl.8.8 ZN	VT0133ZN
51	Screw TCEI M4x10 UNI5931 cl.8.8	VT0144
52	Screw TCEI M10x45 UNI5931 CL. 8.8 fully threaded	VT0229

Table 2-8: Spare parts for DT0039



**2.1.9 DT0040 - SCHEDULE FOR JIB EXTENSION CYLINDER**

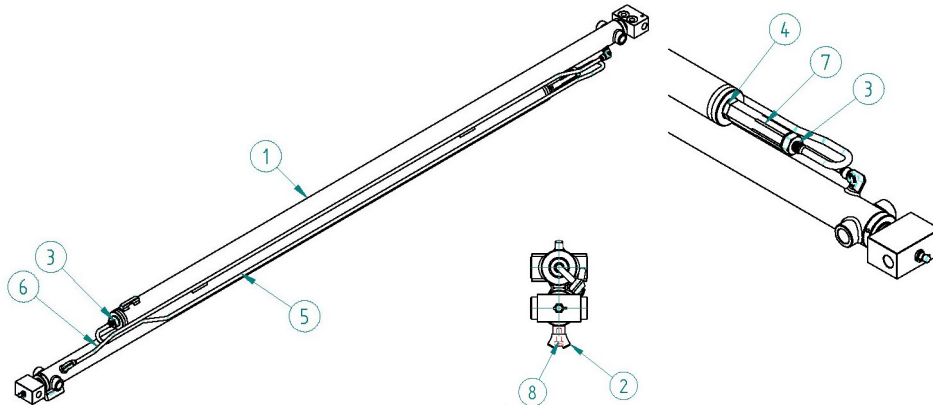
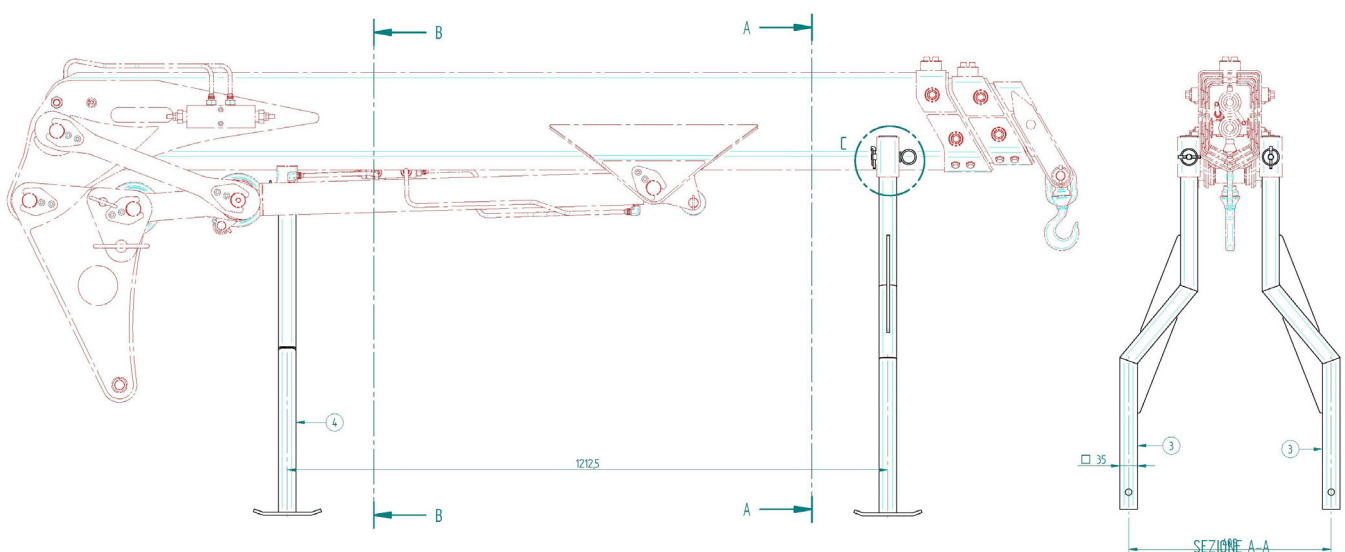


Fig. 2-9: Assembly drawing DT0040

No.	Description	Code
1	Double jib extension cylinder M250	MR0043
2	Wear pad	PA0006
3	streight connection M3/8"G - M1/2"JIC (A102023-0817)	RA0002
4	Streight connection M3/8"G (A202002-1717)	RA0003
5	Steel pipe JIC 8X1 jib extension cylinder	TF0027
6	Steel pipe JIC 8X1 jib extension cylinder	TF0028
7	sequence valve 3/8"G 30bar	VA0010
8	Screw TCEI M6x16 UNI5931 CL.8.8	VT0013

Table 2-9: Spare parts for DT0040

**2.1.10 DT0041 - SCHEDULE JIB BACKING**





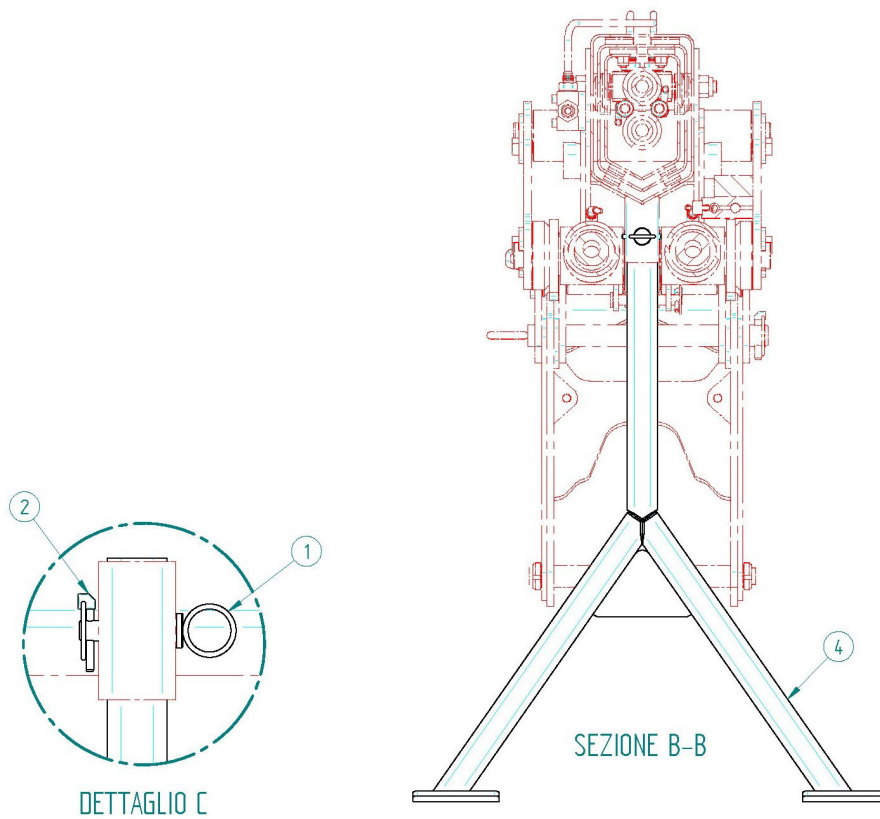


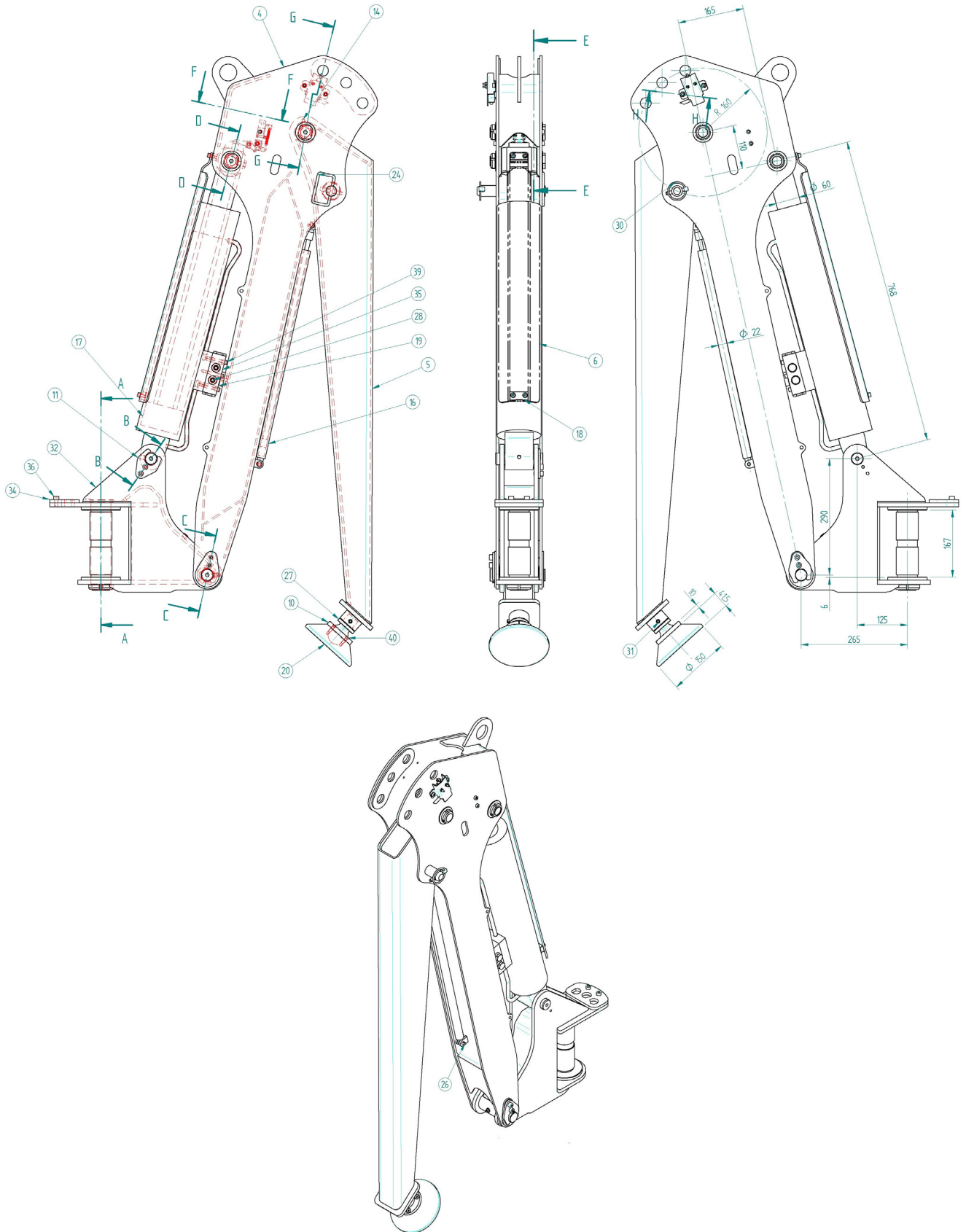
Fig. 2-10: Assembly drawing DT0041

No.	Description	Code
1	Pin	PR0019
2	Snap plug D4.5 SN045A	SP0002
3	Jib support	SU0034
4	Jib support	SU0035

Table 2-10: Spare parts for DT0041



**2.1.11 DT0042 - SCHEDULE OUTRIGGERS 1-3**



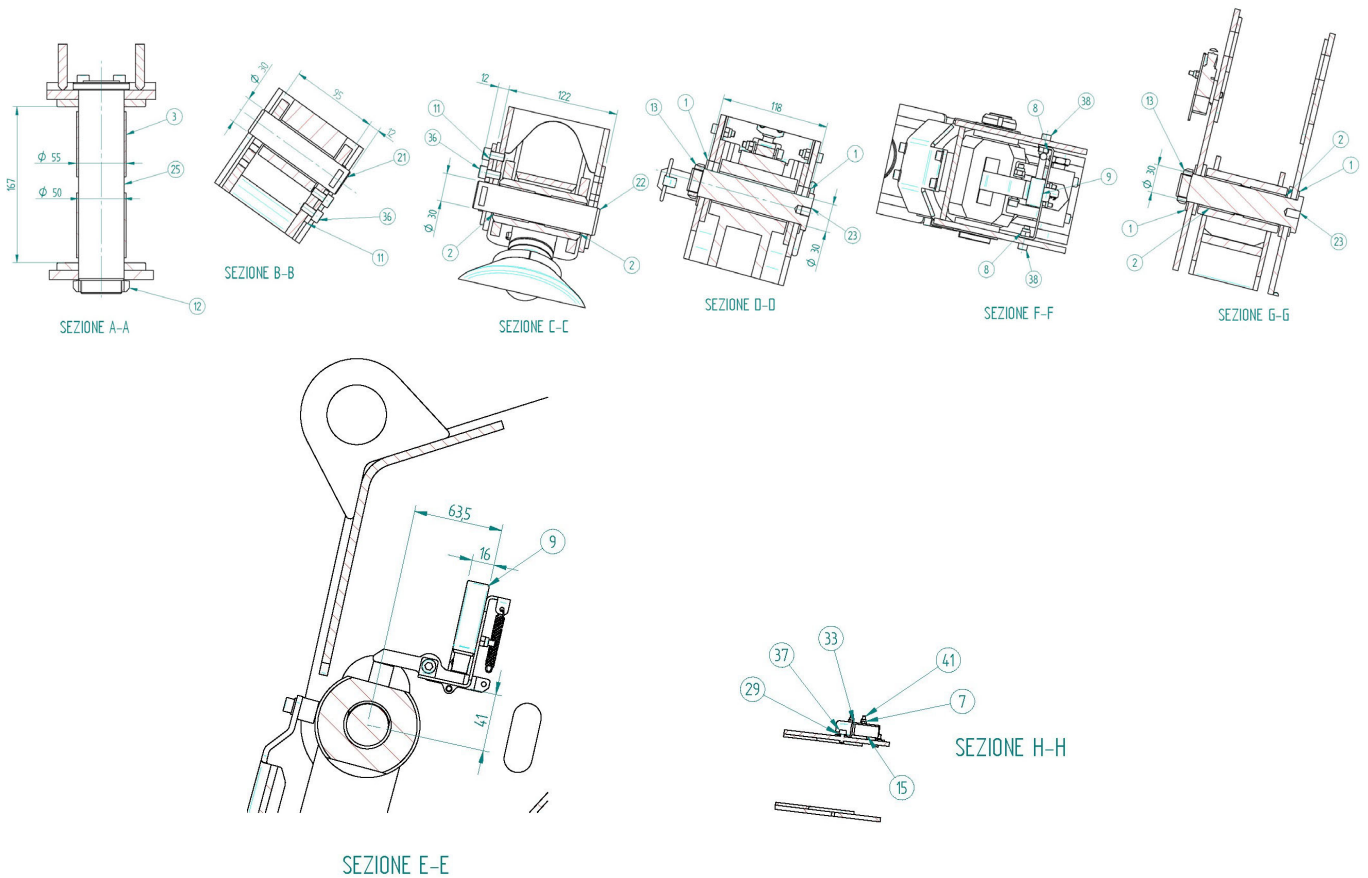


Fig. 2-11: Assembly drawing DT0042

No.	Description	Code
1	INOX thickening washers int. diam. 30,5 DIN988 PS30421	AS0007
2	Bush DU 30x40	BC0019
3	Bush DU 50x70	BC0032
4	1° outrigger arm	BR0024
5	2° outrigger arm	BR0025
6	crankcase for outrigger cylinder	CR0035
7	Self-locking nut M4 UNI 7473 ZN	DD0004
8	Self-locking nut M6 UNI 7473 ZN	DD0005
9	Schedule for outrigger on the ground micro-switch	DT0034
10	flange for plastic plate M250	FL0019
11	fork pin fastening dor diam. 30	FP0001
12	self-braking ring type GUK M45X1,5	GH0003
13	self-braking ring type GUK M25X1,5	GH0004
14	Greasing straight connector M10x1 UNI 7663	IN0001
15	piston micro-switch with wheel NC+NO	MI0057
16	Gas spring 22x500 F=550N	MO0003



No.	Description	Code
17	Outrigger cylinder 95x60x440 M250	MR0006
18	Slides pad for crankcase outrigger cylinder	PA0025
19	Slides pad for outrigger cylinder	PA0057
20	Plastic plate diam. 150mm sphere diam. 50mm M250	PO0004
21	Pin for main outrigger cylinder. Diam. 30	PR0027
22	Pin 1° outrigger arm. Diam. 30	PR0028
23	Pin 1° outrigger arm. Threaded Diam. 30	PR0029
24	Pin 2° outrigger arm. Diam. 30	PR0030
25	PIN for outrigger arm diam. 50	PR0031
26	Pin diam. 8X25	PR0032
27	Pin with sphere diam. 50 mm for outrigger ground support M250	PR0088
28	Drilled screw connection eye 1/4"G (A301108-13)	RA0062
29	Washer SCHNORR S6	RO0004
30	Snap plug D8 SN080A	SP0003
31	Elastic plug D8x55 UNI8752	SP0004
32	Support for outrigger arm	SU0037
33	Support for outrigger arm open/close micro switch	SU0039
34	Support for outrigger pin position (0-22-45) micro-switch	SU0201
35	Outrigger flanged block valve	VA0005
36	Screw TCEI M8x16 UNI5931 CL.8.8 ZN	VT0012
37	Screw TCEI M6x12 UNI5931 CL.8.8	VT0016
38	Screw TCEI M6x20 UNI5931 CL.8.8 ZN	VT0017
39	Screw TCEI M6x40 UNI5931 CL.8.8	VT0018
40	Screw TSPEI M6x20 UNI5933 CL.8.8	VT0020
41	Screw TCEI M4x25 UNI5931 CL.8.8	VT0021

Table 2-11: Spare parts for DT0042



**2.1.12 DT0043 - SCHEDULE JIB ARTICULATION CYLINDERS**

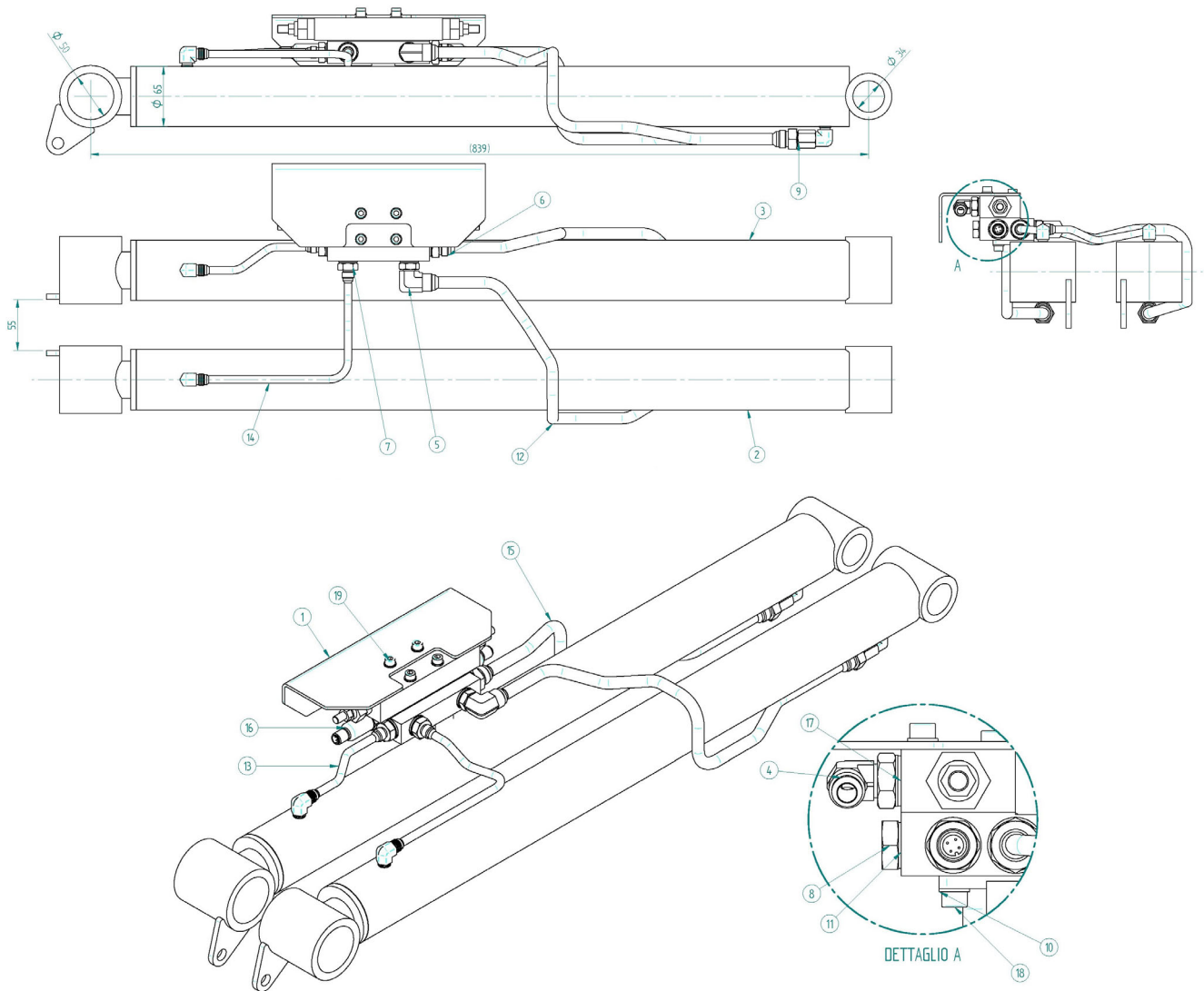


Fig. 2-12: Assembly drawing DT0043

No.	Description	Code
1	M250 jib Valve crankcase	CR0113
2	Jib articulation cylinder	MR0004
3	Jib articulation cylinder	MR0005
4	Connection 90° MOR1/4"G - M9/16"JIC (A107039-1013) with OR	RA0074
5	Connection 90° MOR1/4"G - M9/4"JIC (A107039-1013) with OR	RA0297
6	Straight connector M1/4"G - M3/4"JIC (A102023-1213)	RA0315
7	Straight connector M1/4"G - M1/2"JIC (A102023-0813) with OR	RA0322
8	Cup M1/4"G (A301010-13)	RA0345
9	Straight connector F1/2" JIC - M3/4" JIC (SA102265-0812)	RA0565
10	Washer SCHNORR S6	RO0004
11	Valve support	SU0036



No.	Description	Code
12	Steel pipe $\varnothing 12 \times 1,5$ JIC - JIB M250	TF0023A
13	Steel pipe JIC	TF0024
14	Steel pipe JIC 8X1	TF0025
15	Steel pipe $\varnothing 12 \times 1,5$ JIC - JIB M250	TF0026A
16	Pressure transducer 4-20 mA 400 bar HYDAC HDA 7446-A-400-050	TP0001
17	Flanged double block valve AF MB000110	VA0009
18	Screw TCEI M6x16 UNI5931 CL.8.8	VT0013
19	Screw TCEI M6x40 UNI5931 CL.8.8 ZN	VT0018ZN

Table 2-12: Spare parts for DT0043

**2.1.13 DT0044 - SCHEDULE FOR THE THIRD MAIN BOOM EXTENSION M250**

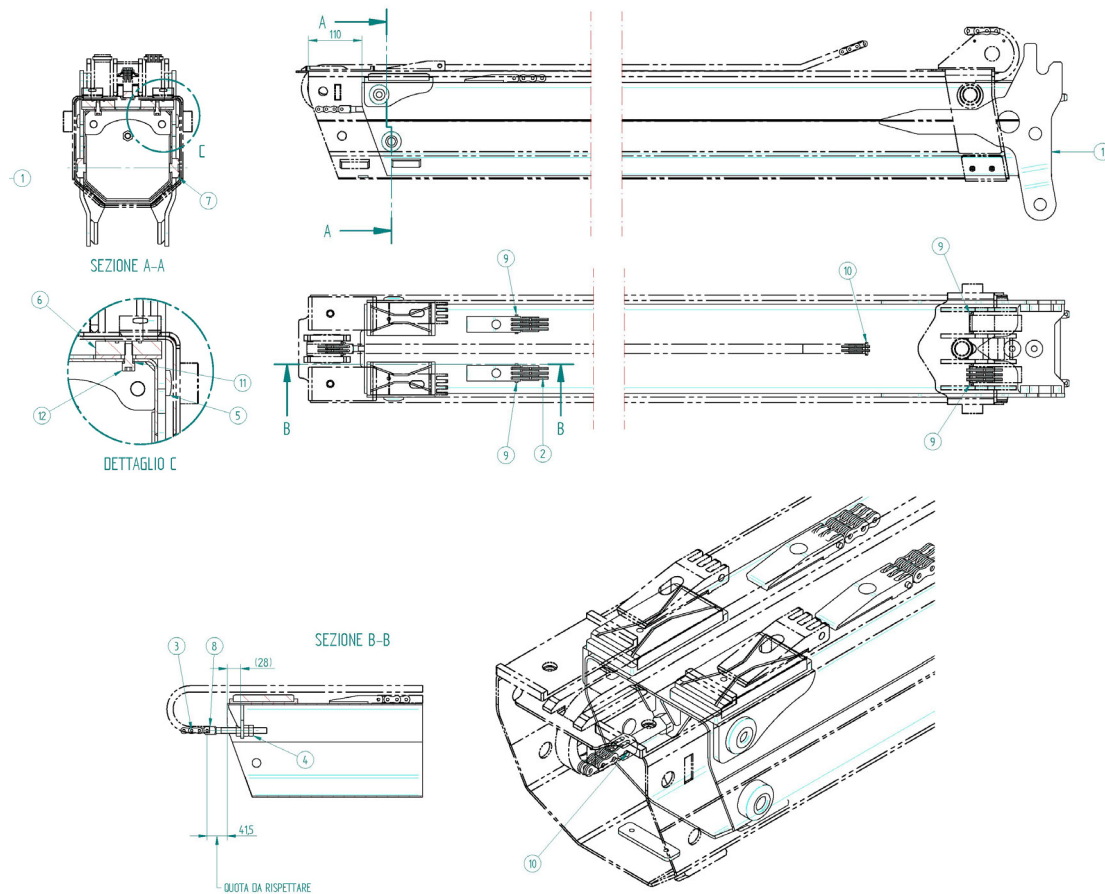


Fig. 2-13: Assembly drawing DT0044

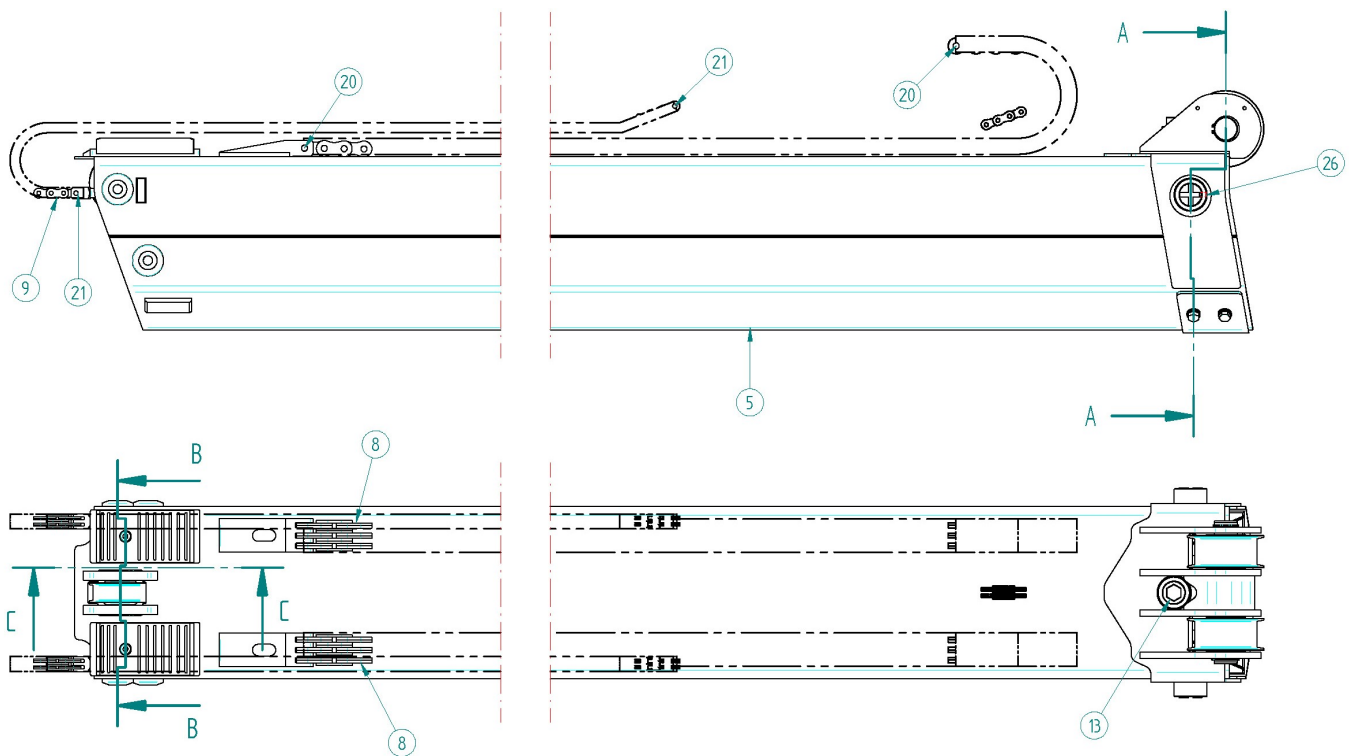
No.	Description	Code
1	Third main boom extension	BR0009
2	Steel chain fleyer AL666 L=2648mm 139 links	CT0003
3	steel chain fleyer AL544 L=2746,4mm 173 links	CT0005
4	Normal nut M12 UNI 5588	DD0009



No.	Description	Code
5	Lateral slide pad sp. 8mm	PA0009
6	Lower bronze wear pad sp 14 3°	PA0011BS14
7	Lateral slide pad sp. 16mm	PA0012
8	Adjustable comb for steel chain AL544	PC0003
9	Pin for steel flayer chain AL666	PR0054
10	Pin for steel flayer chain AL544	PR0055
11	Washer SCHNORR S8 ZN	RO0008
12	Screw TCEI M8x20 UNI5931 CL.8.8 ZN	VT0091ZN

Table 2-13: Spare parts for DT0044

**2.1.14 DT0045 - SCHEDULE FOR THE SECOND MAIN BOOM EXTENSION M250**



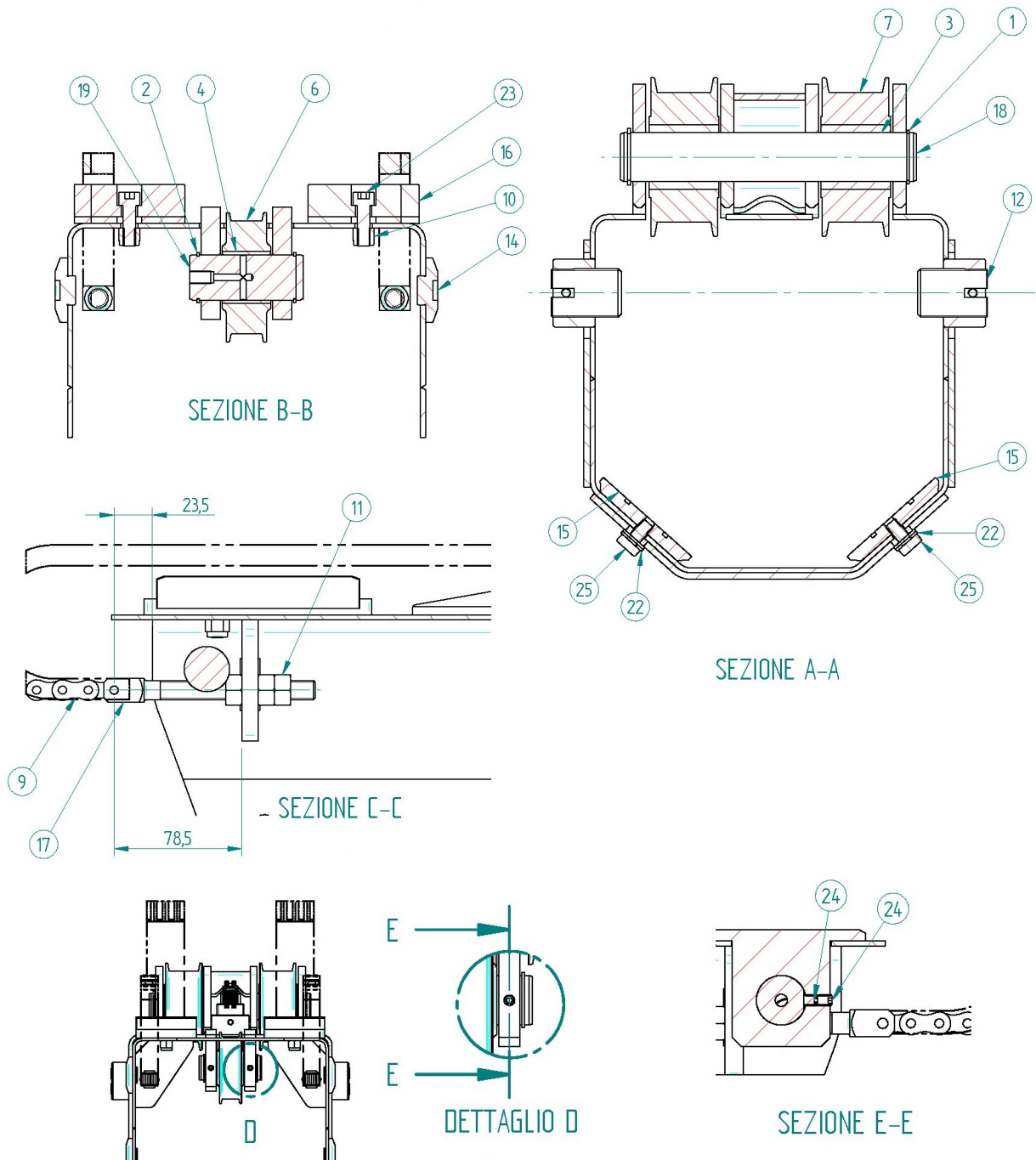


Fig. 2-14: Assembly drawing DT0045

No.	Description	Code
1	INOX elastic ring for hole diam. 30 UNI7435-75 E30]	AS0005
2	INOX elastic ring for hole diam. 28 UNI7435-75 E281	AS0006
3	Bush	BC0035
4	Bush DX 28x30	BC0037



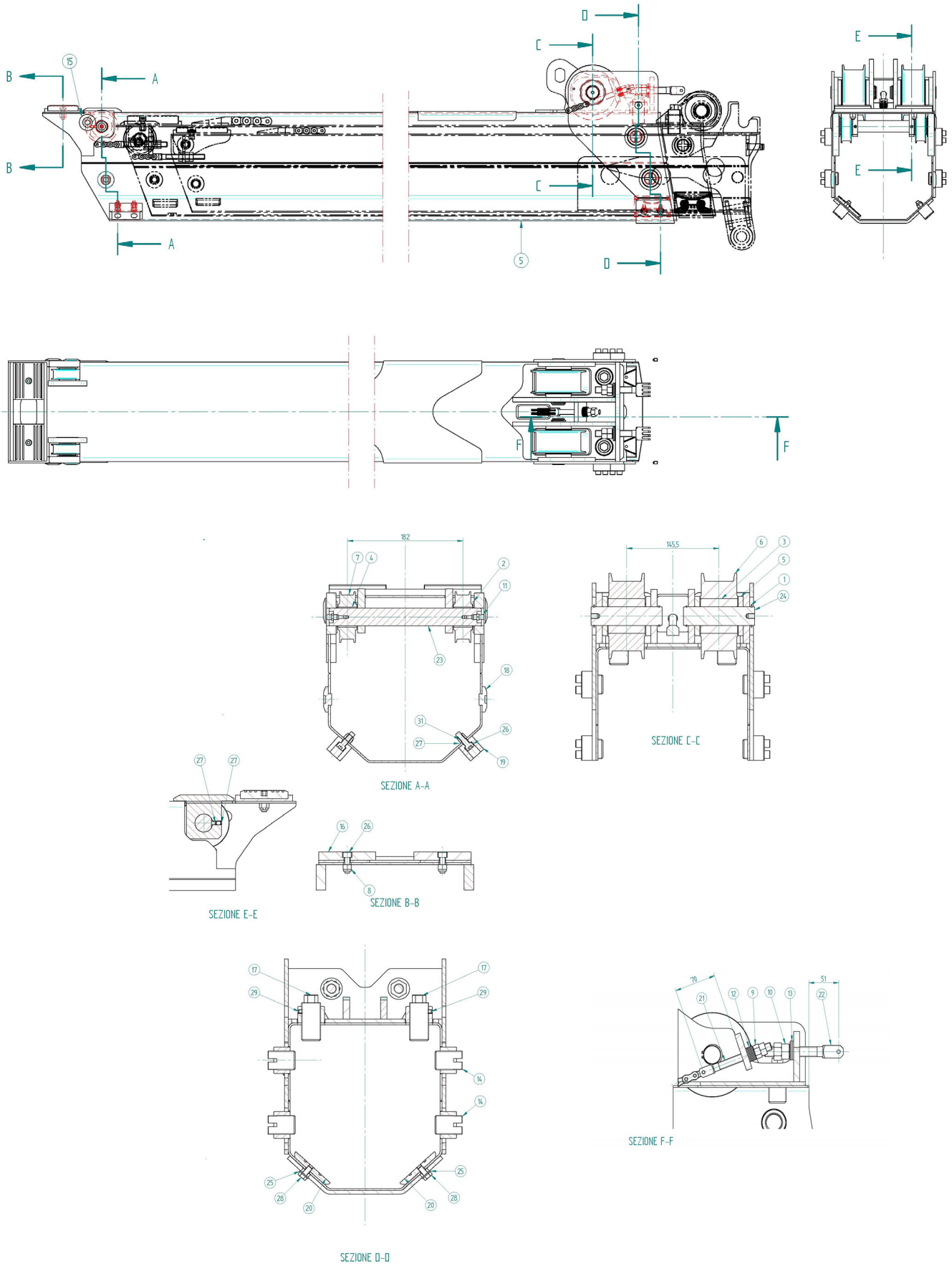


No.	Description	Code
5	2° main boom extension arm	BR0008
6	pulley for Fleyer AL544	CE0005
7	pulley for Fleyer AL666	CE0006
8	Steel chain fleyer AL866 L=2616,2mm 103 links	CT0002
9	Steel chain fleyer AL544 L=2397,1mm 151links	CT0004
10	Self-locking nut M8 UNI 7473 ZN	DD0002
11	Normal nut M12 UNI 5588	DD0009
12	Wear pads	PA0004
13	Wear pads M30X2 with hexagon	PA0008
14	Lateral slide pad sp. 8mm	PA0009
15	Lower bronze wear pad M250	PA0013C
16	Wear pad sp.20 mm	PA0014A
17	Adjustable comb for steel chain AL544	PC0003
18	Pin for pulley diam. 30	PR0033
19	Pin for pulley diam. 28	PR0034
20	Pin for steel fleyer chain AL866	PR0053
21	Pin for steel fleyer chain AL544	PR0055
22	Rosette 9x17 UNI 6592-70	RO0005
23	Screw TCEI M8x25 UNI5931 CL.8.8	VT0019
24	Screw STEI M6x8 UNI5923 CL.8.8 ZN	VT0028
25	Screw TE M8x16 UNI5739 CL.10.9 ZN	VT0075
26	Pointed grain M6x10 UNI 5927 INOX	VT0117

**Table 2-14: Spare parts for DT0045**



**2.1.15 DT0046 - SCHEDULE FOR THE FIRST MAIN BOOM EXTENSION M250**



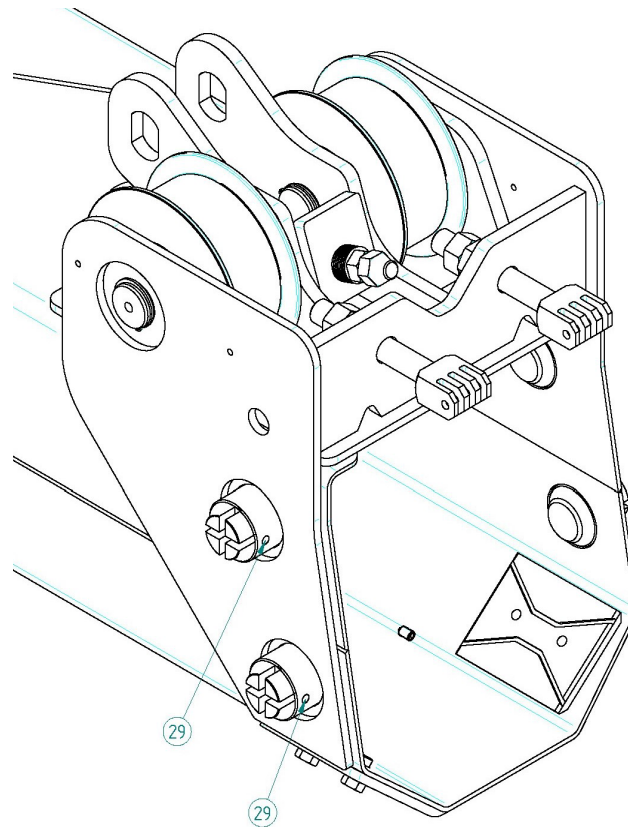


Fig. 2-15: Assembly drawing DT0046

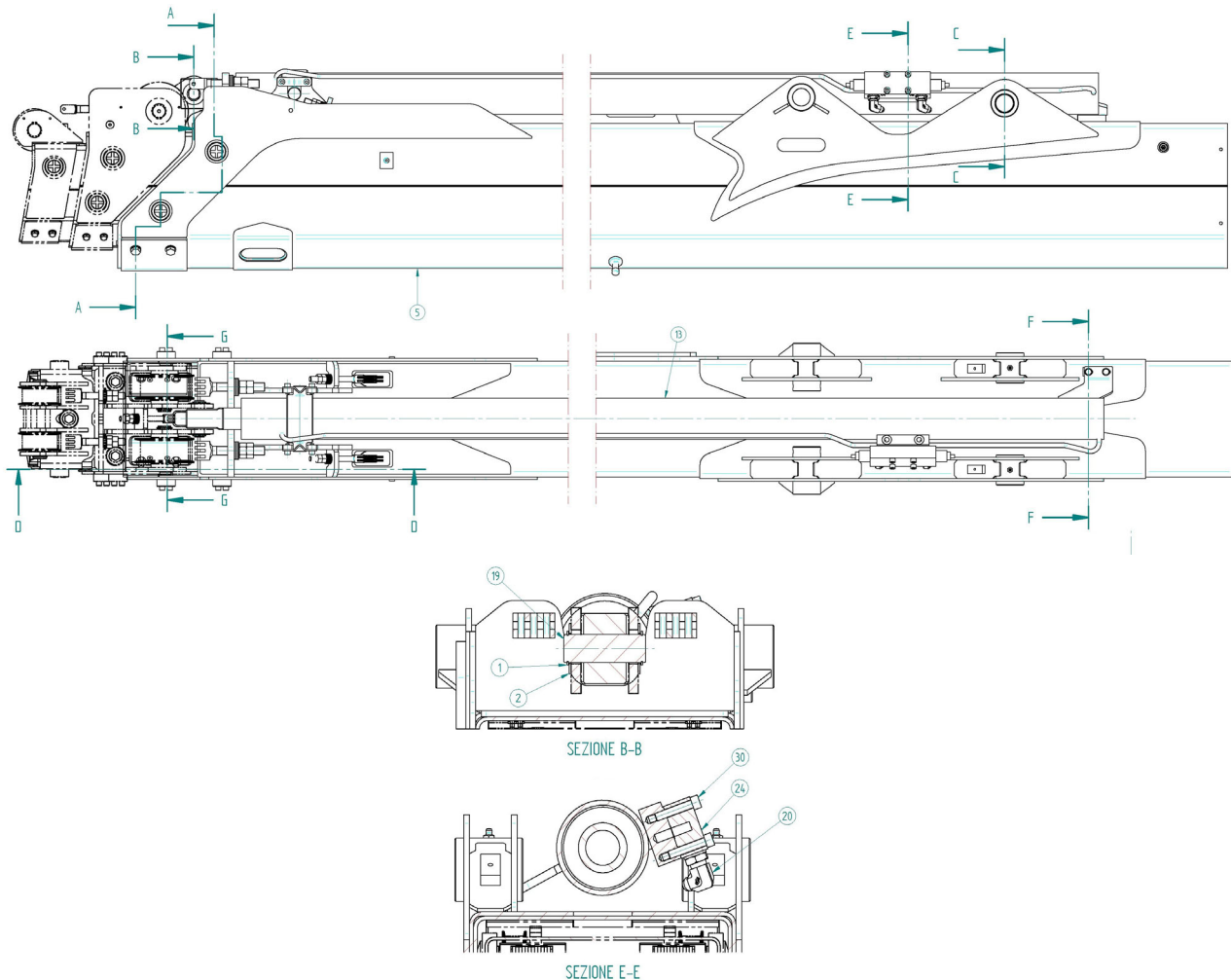
No.	Description	Code
1	INOX Elastic ring for shaft diam. 30 UNI7435-75 E30	AS0005
2	INOX thickening washers int. diam. 30,5 DIN988 PS30421	AS0007
3	Bush	BC0036
4	Bush DX 28X30	BC0037
5	1° main boom extension arm	BR0007
6	Pulley for Fleyer AL866	CE0004
7	Pulley for Fleyer AL544	CE0005
8	Self-locking nut M8 UNI 7473 ZN	DD0002
9	Normal nut M12 UNI 5588	DD0009
10	Normal nut M16 UNI 5588	DD0011
11	Greasing straight connector M8x1 UNI 7663	IN0002
12	Disc spring 12.2x23 sp.1.5 F=3990N INOX	MO0004
13	Disc spring 16.3x34 sp.2 F=5800N INOX	MO0005
14	Wear pad	PA0004
15	Wear pad	PA0005
16	Rear wear pad for first main boom extension arm	PA0007A
17	Wear pad with hex M30X2	PA0008



No.	Description	Code
18	Lateral slide pad sp. 8mm	PA0009
19	Wear pad sp.28 mm	PA0010
20	Lower bronze wear pad M250	PA0013C
21	Adjustable comb for steel chain AL544	PC0003
22	Adjustable comb for steel chain AL666	PC0004
23	Pin diam. 28X240	PR0035
24	Pin diam. 30X112	PR0036
25	Rosette 9x17 UNI 6592-70	RO0005
26	Screw TCEI M8x25 UNI5931 CL.8.8	VT0019
27	Screw STEI M6x8 UNI5923 CL.8.8 ZN	VT0028
28	Screw TE M8x16 UNI5739 CL.10.9 ZN	VT0075
29	Pointed grain M6x10 UNI 5927 INOX	VT0117

Table 2-15: Spare parts for DT0046

**2.1.16 DT0047 - SCHEDULE FOR MAIN BOOM M250**



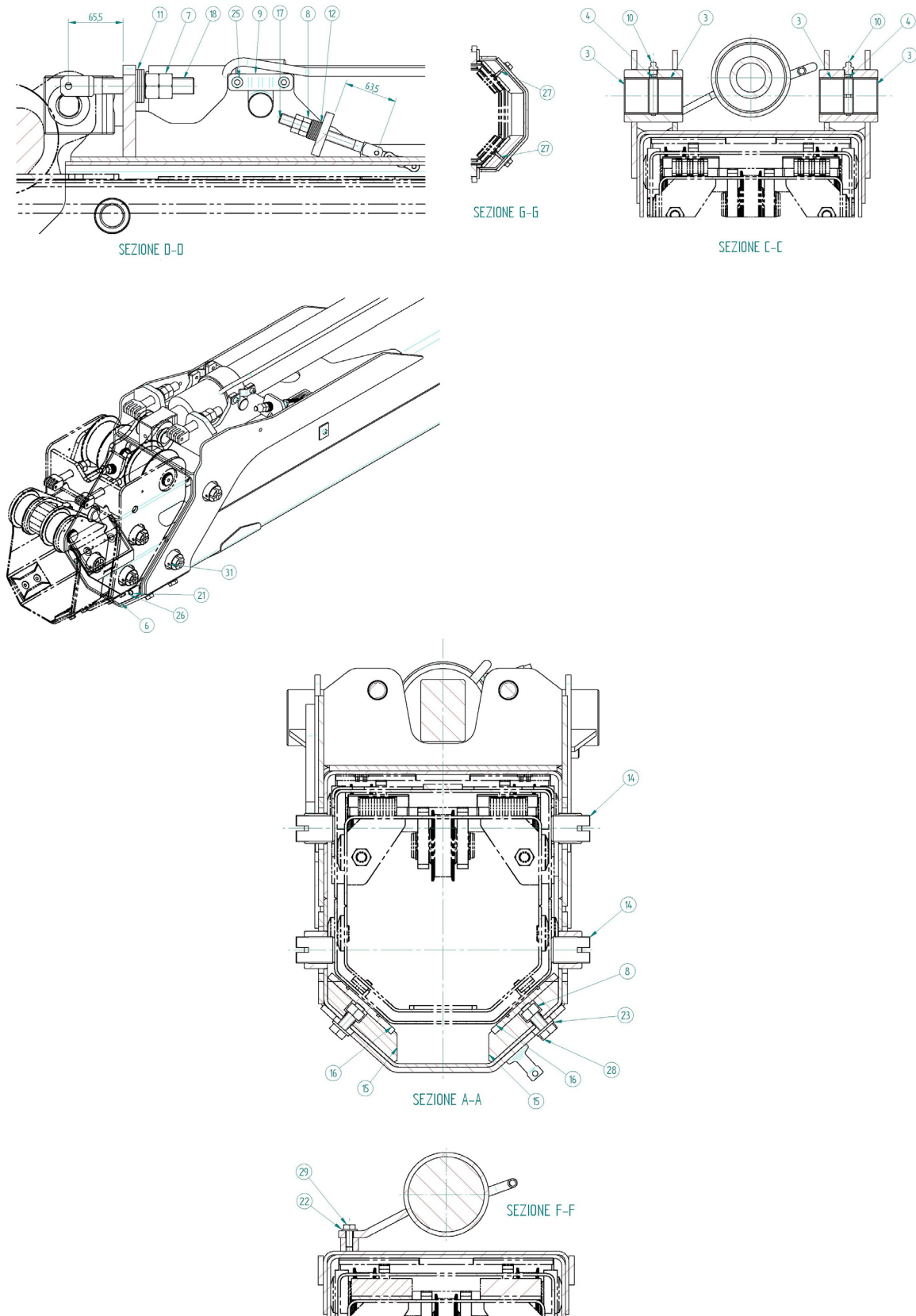


Fig. 2-16: Assembly drawing DT0047



No.	Description	Code
1	INOX elastic ring for hole diam. 28 UNI7435-75 E281	AS0006
2	INOX thickening washers int. diam. 30,5 DIN988 PS30421	AS0007
3	Bush DU 40X30	BC0038
4	Spacer bushing 41X10	BC0039
5	Main boom new M250	BR0089
6	Front crankcase for main boom	CR0050
7	Normal nut M20 UNI 5588	DD0008
8	Normal nut M12 UNI 5588	DD0009
9	Fork pin fastening for main boom extension cylinder	FP0002
10	Greasing straight connector M10x1 UNI 7663	IN0001
11	Disc spring 20.4x40 sp.2.5 F=9360N INOX	MO0002
12	Disc spring 12.2x23 sp.1.5 F=3990N INOX	MO0004
13	First main boom extension cylinder 90X50X2150	MR0003
14	Wear pad	PA0004
15	Plastic wear pad for bronze lower wear pads M250	PA0088
16	Lower bronze wear pad M250	PA0089
17	Adjustable comb for steel chain AL544	PC0003
18	Adjustable comb for steel chain AL866	PC0005
19	Pin for main boom extension cylinder diam. 30	PR0037
20	Connection 90° MOR3/8"G - M9/16"JIC OR and washer (A107039-1017)	RA0005
21	Washer SCHNORR S6	RO0004
22	Rosette 9x17 UNI 6592-70	RO0005
23	Rosette 13x25 UNI 6552-69	RO0007
24	Double flanged block valve AF MB000087	VA0007
25	Screw TCEI M8x16 UNI5931 CL.8.8 ZN	VT0012
26	Screw TCEI M6x12 UNI5931 CL.8.8	VT0016
27	Screw TSPEI M6x20 UNI5933 CL.8.8	VT0020ZN
28	Screw TE M12x35 UNI5739 CL.8.8	VT0023
29	Screw TE M8x20 UNI5739 CL.8.8	VT0026
30	Screw TCEI M8x40 UNI5931 CL.8.8 ZN	VT0027
31	Pointed grain M6x10 UNI 5927 INOX	VT0117

Table 2-16: Spare parts for DT0047



**2.1.17 DT0048 - SCHEDULE HYDRAULIC ACTIVATION M250**

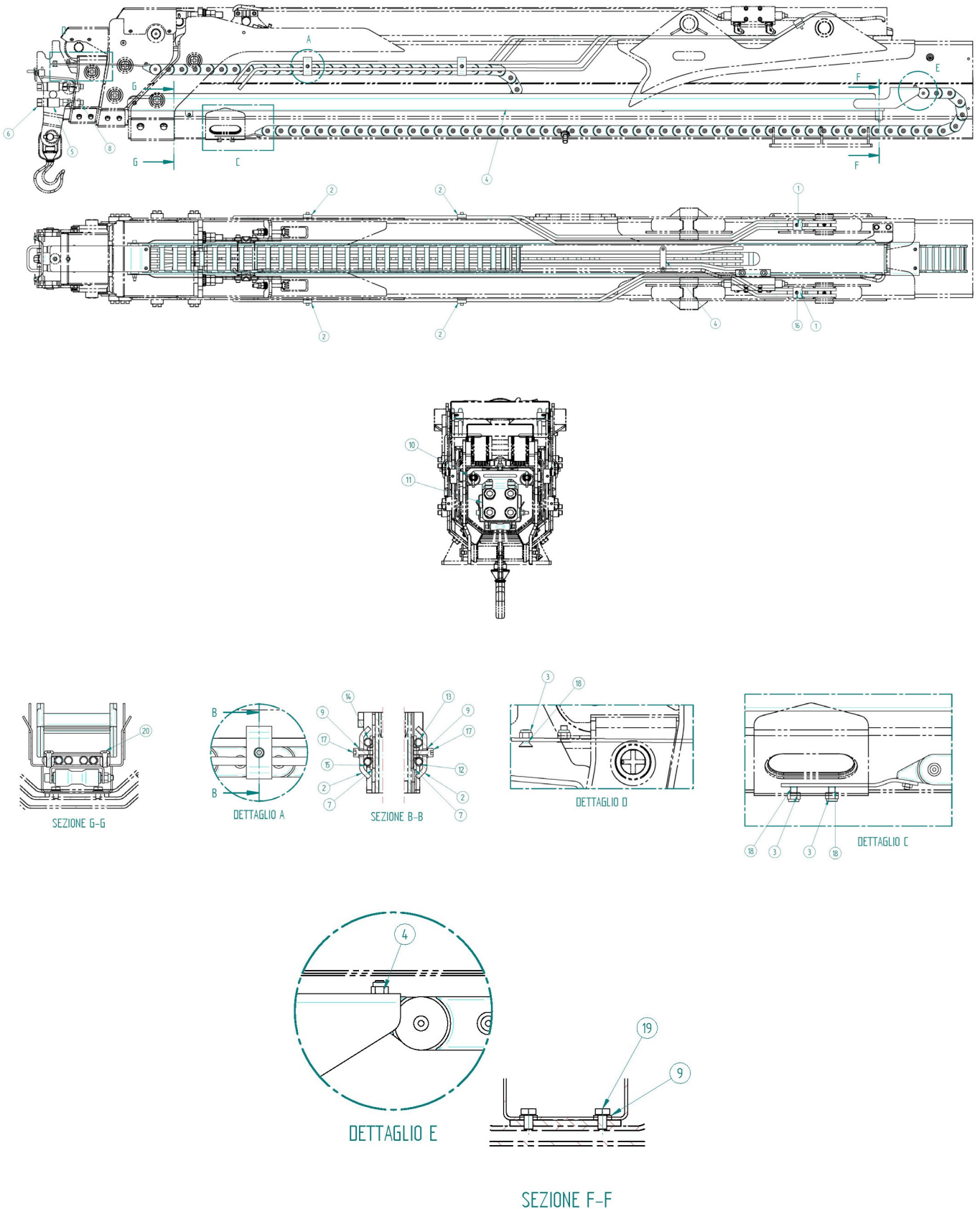
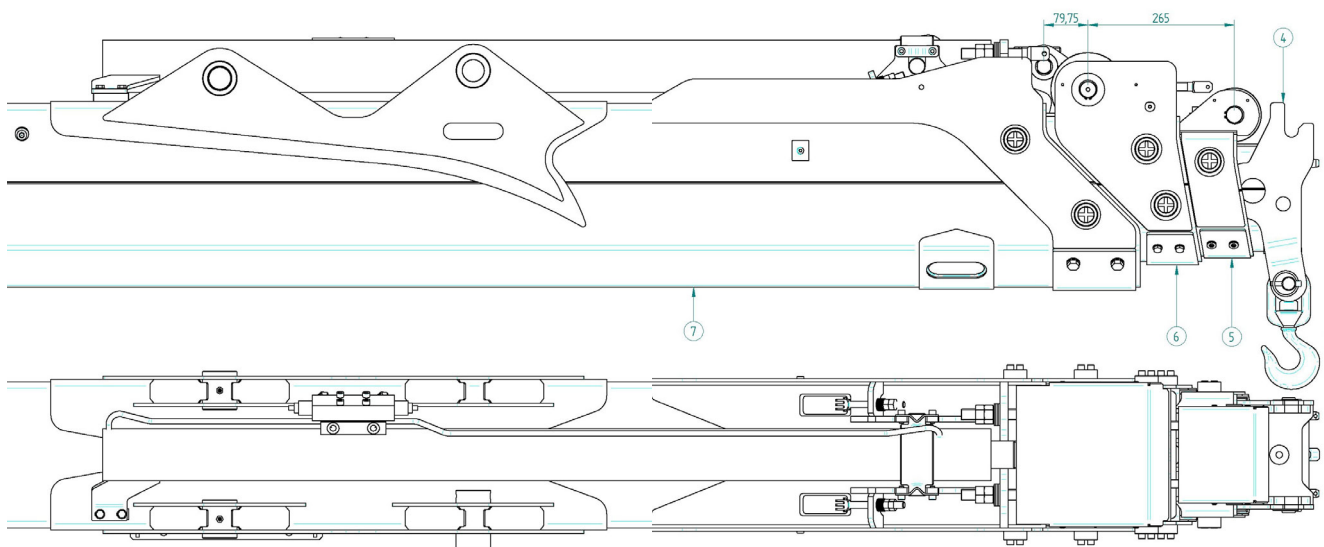


Fig. 2-17: Assembly drawing DT0048



No.	Description	Code
1	Double semi-collars pair D10 black	CO0002
2	Downspout collar	CO0006
3	Self-locking nut M8 UNI 7473 ZN	DD0002
4	Schedule steel internal chain M250	DT0069
5	Fast connection F3/8G	IR0003
6	Fast connection M3/8G	IR0004
7	Elastomer thickness	PA0022
8	Straight connection M3/8"G (A202002-1717)	RA0003
9	Washer SCHNORR S6	RO0004
10	Snap plug D5 SN050A (ISI)	SP0001
11	Fast connector support	SU0057
12	Steel pipe JIC 10x1 internal main boom activation.M250	TF0107
13	Steel pipe JIC 10x1 internal main boom activation.M250	TF0108
14	Steel pipe JIC 10x1 internal main boom activation.M250	TF0296
15	Steel pipe JIC 10x1 internal main boom activation.M250	TF0297
16	Screw TCEI M6x30 UNI5931 CL.8.8 ZN	VT0014
17	Screw TCEI M6x12 UNI5931 CL.8.8	VT0016
18	Screw TSPEI M8x20 UNI5933 CL.8.8	VT0029
19	Screw TE M6x10 UNI 5739 CL.8.8 ZN	VT0044
20	Screw TCBEI M6x16 UNI 7380 CL.10.9 ZN	VT0045

Table 2-17: Spare parts for DT0048

**2.1.18 DT0055 - SCHEDULE MAIN BOOM EXTENSION PACK M250**




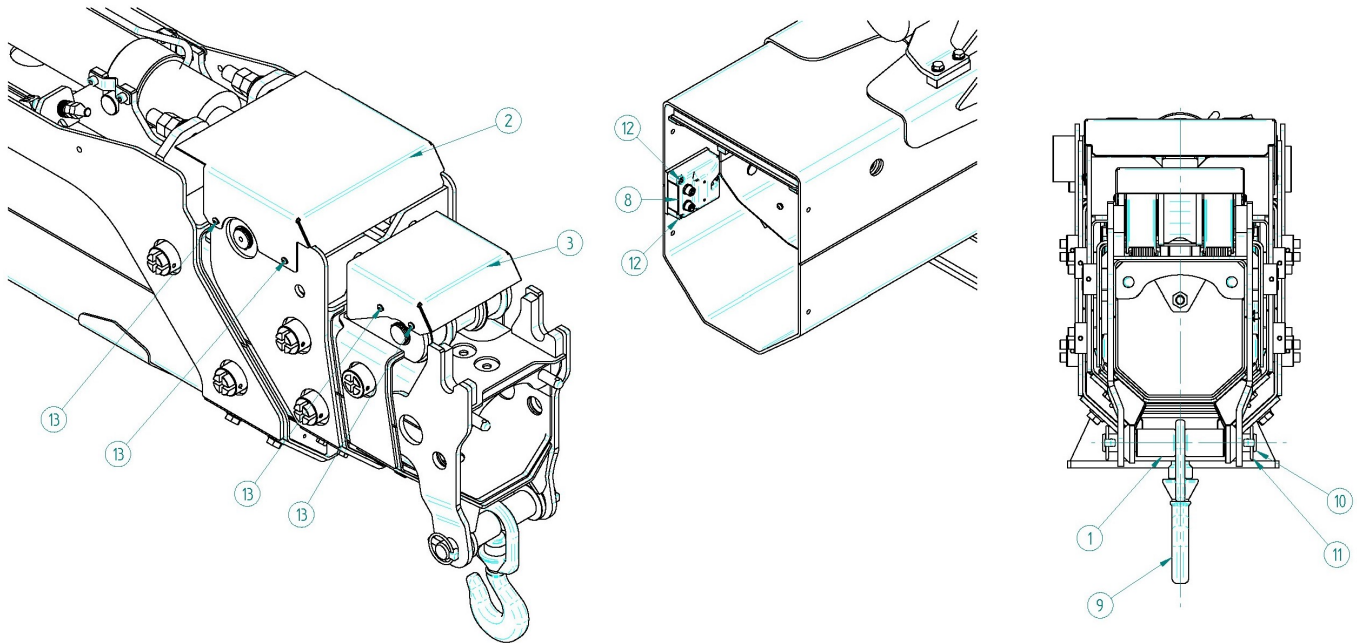


Fig. 2-18: Assembly drawing DT0055

No.	Description	Code
1	Bush	BC0040
2	Crankcase main boom extension pack M250	CR0220
3	Crankcase main boom extension pack M250	CR0221
4	Schedule for third extension arm M250	DT0044
5	Schedule for second extension arm M250	DT0045
6	Schedule for first extension arm M250	DT0046
7	Schedule for Main boom M250	DT0047
8	Can bus main boom angle sensor MOBA MSS-730	EA0001
9	Lifting hook ELD 3,2 ton 168030 ES	GA0001
10	Hook connection pin diam. 25	PR0038
11	Snap plug D8 SN080A	SP0003
12	Screw TCEI M5x20 UNI 5931 CL.8.8 ZN	VT0039
13	Screw TCBEI M5x10 UNI 7380 CL. 8.8 ZN	VT0197

Table 2-18: Spare parts for DT0055

**2.1.19 DT0056 - SCHEDULE MAIN ARTICULATION**

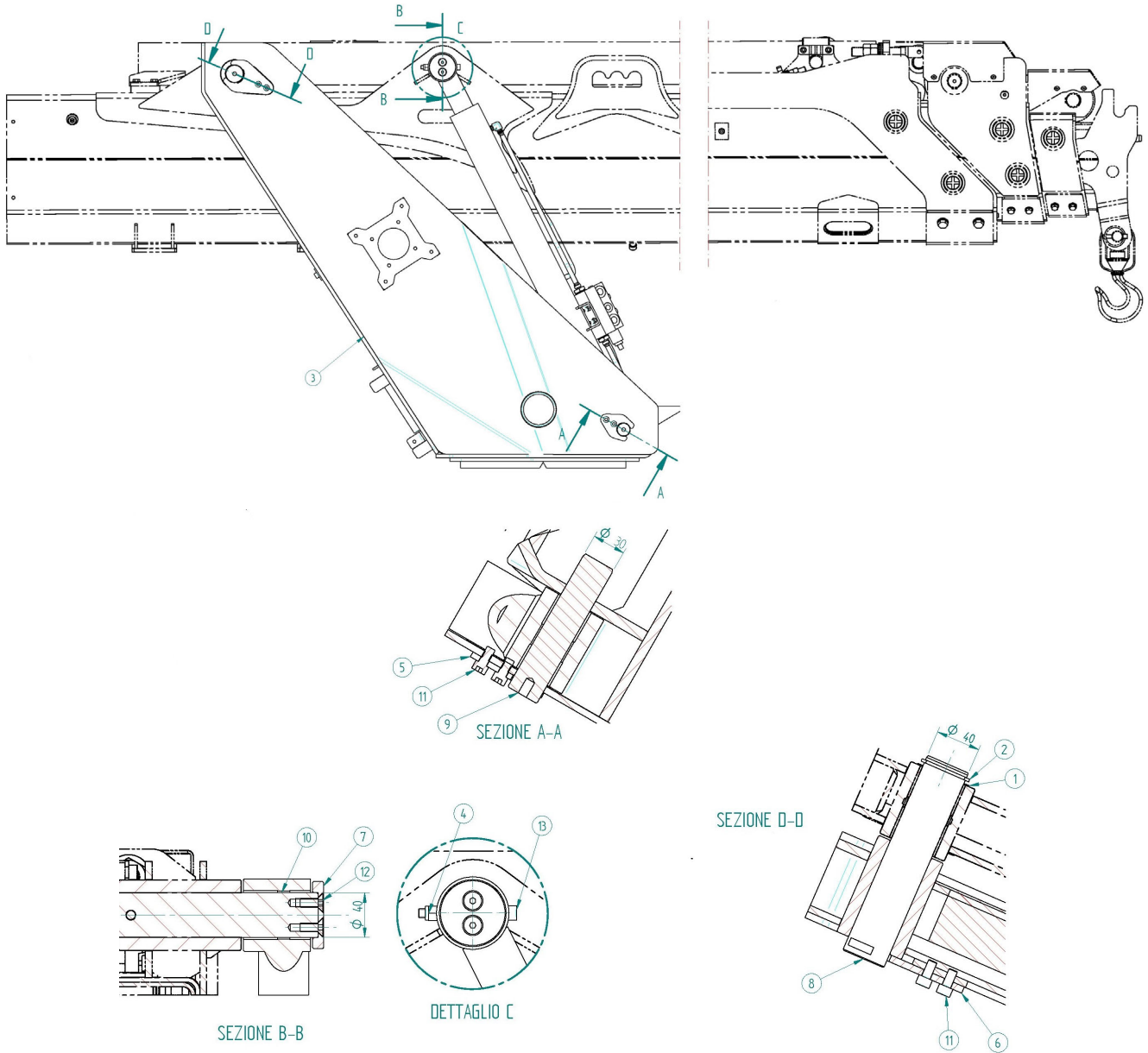


Fig. 2-19: Assembly drawing DT0056

No.	Description	Code
1	INOX thickening washers 40x50x1 TIPO PS DIN988 PS40501	AS0017
2	Elastic ring diam. 40 UNI7436-75	AS0026
3	M250 Column	CL0007
4	Self-locking nut M8 UNI 7473 ZN	DD0002
5	Fork pin fastening dor diam. 30	FP0001
6	Fork pin fastening dor diam. 40	FP0003
7	Round pin fastening dor diam. 40	FP0004
8	Pin diam. 40 for column main articulation	PR0041



No.	Description	Code
9	Pin 30X138 main articulation M400	PR0110
10	Pin $\varnothing$ 40 column M250	PR0163
11	Screw TCEI M8x16 UNI5931 CL.8.8 ZN	VT0012
12	Screw TSPEI M8x20 UNI5933 CL.8.8	VT0029
13	Screw TCEI M8x80 UNI 5931 CL.8.8 ZN	VT0030

Table 2-19: Spare parts for DT0056

**2.1.20 DT0057 - SCHEDULE MAIN ARTICULATION CYLINDERS**

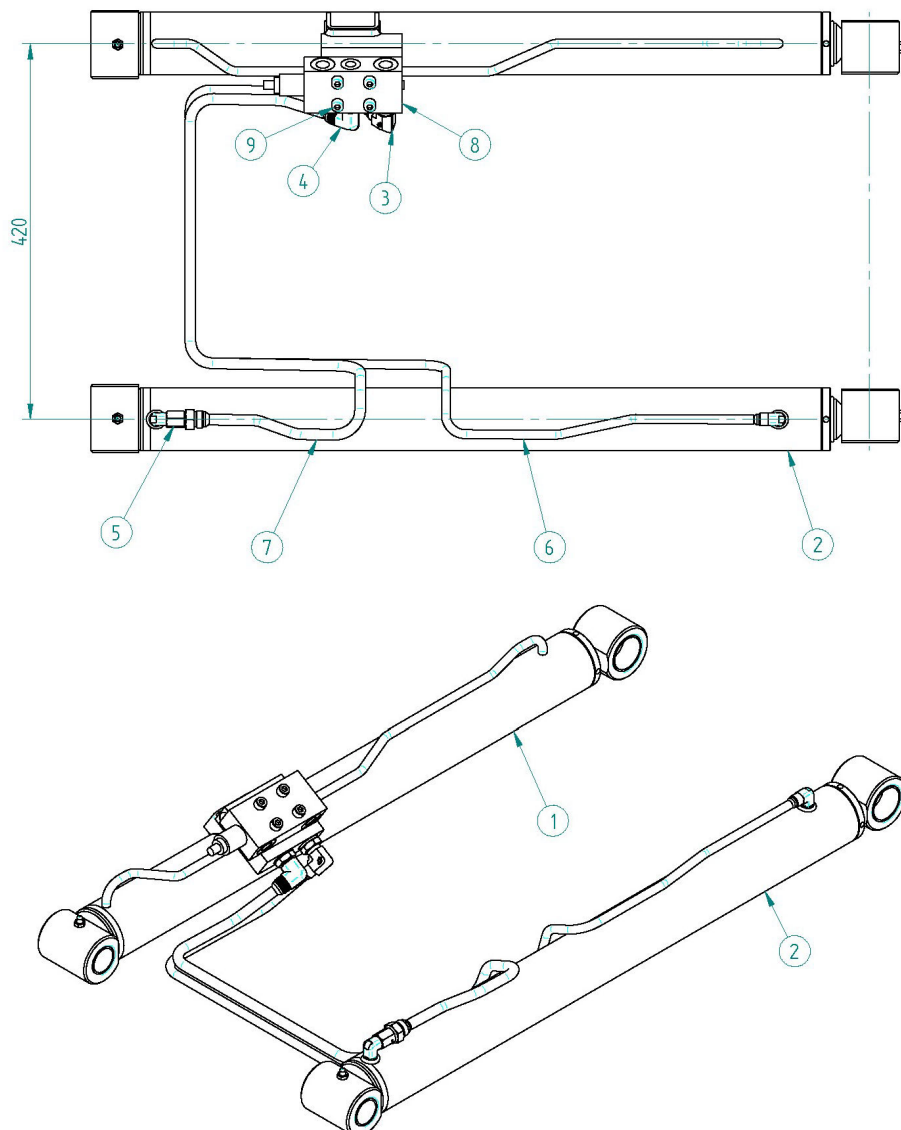


Fig. 2-20: Assembly drawing DT0057

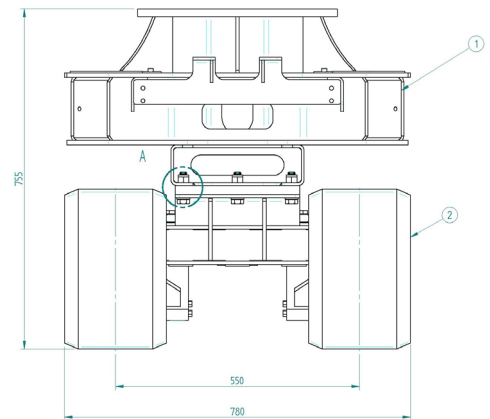
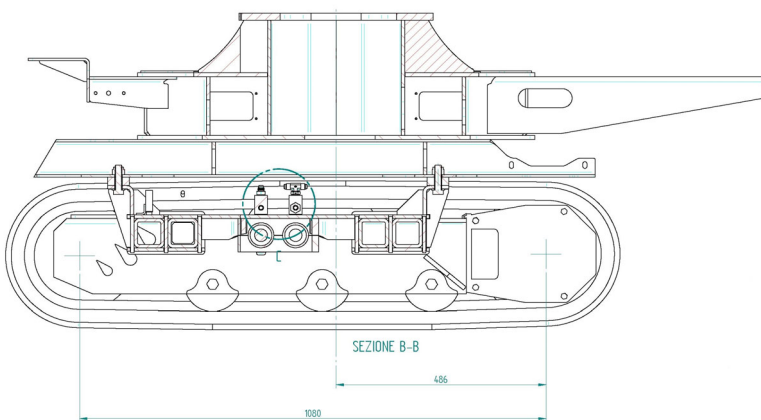
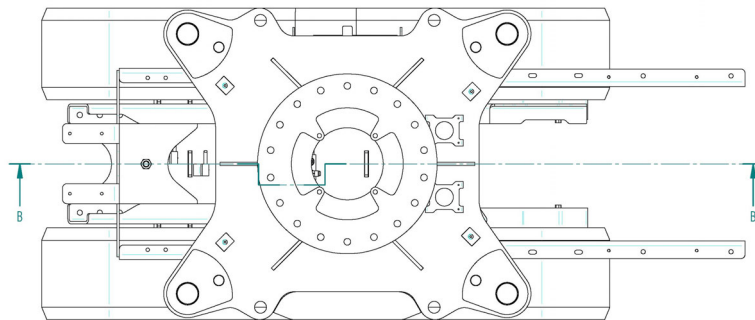
No.	Description	Code
1	Left main articulation cylinder 60X28X642 M250	MR0002DA
2	Right main articulation cylinder 60X28X642 M250	MR0002S



No.	Description	Code
3	Connection 90° MOR3/8"G - M9/16"JIC OR and washer (A107039-1017)	RA0005
4	Connection 90° MOR3/8"G - M3/4"JIC (A107039-1217)	RA0330
5	Straight connection F9/16" JIC - M3/4" JIC (SA102265-1012)	RA0564
6	Steel pipe connection JIC 10x1,5 main articulation cylinder. M250	TF0293
7	Steel pipe connection JIC 10x1,5 main articulation cylinder. M250	TF0294A
8	Valve support VA0059	VA0059
9	Screw TCEI M8x40 UNI5931 CL.8.8 ZN	VT0027

Table 2-20: Spare parts for DT0057

**2.1.21 DT060 - SCHEDULE FOR CHASSIS + CRAWLER M250**



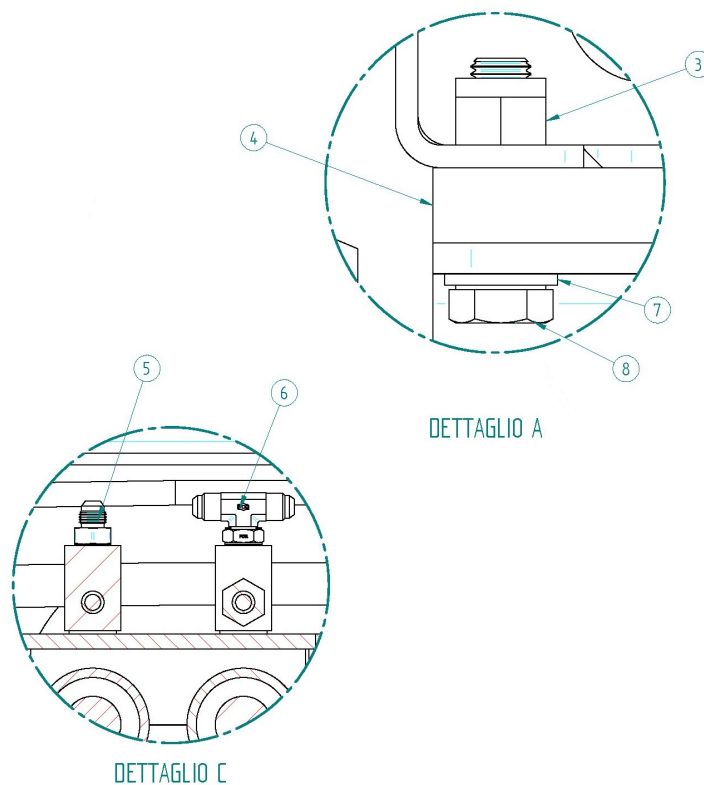


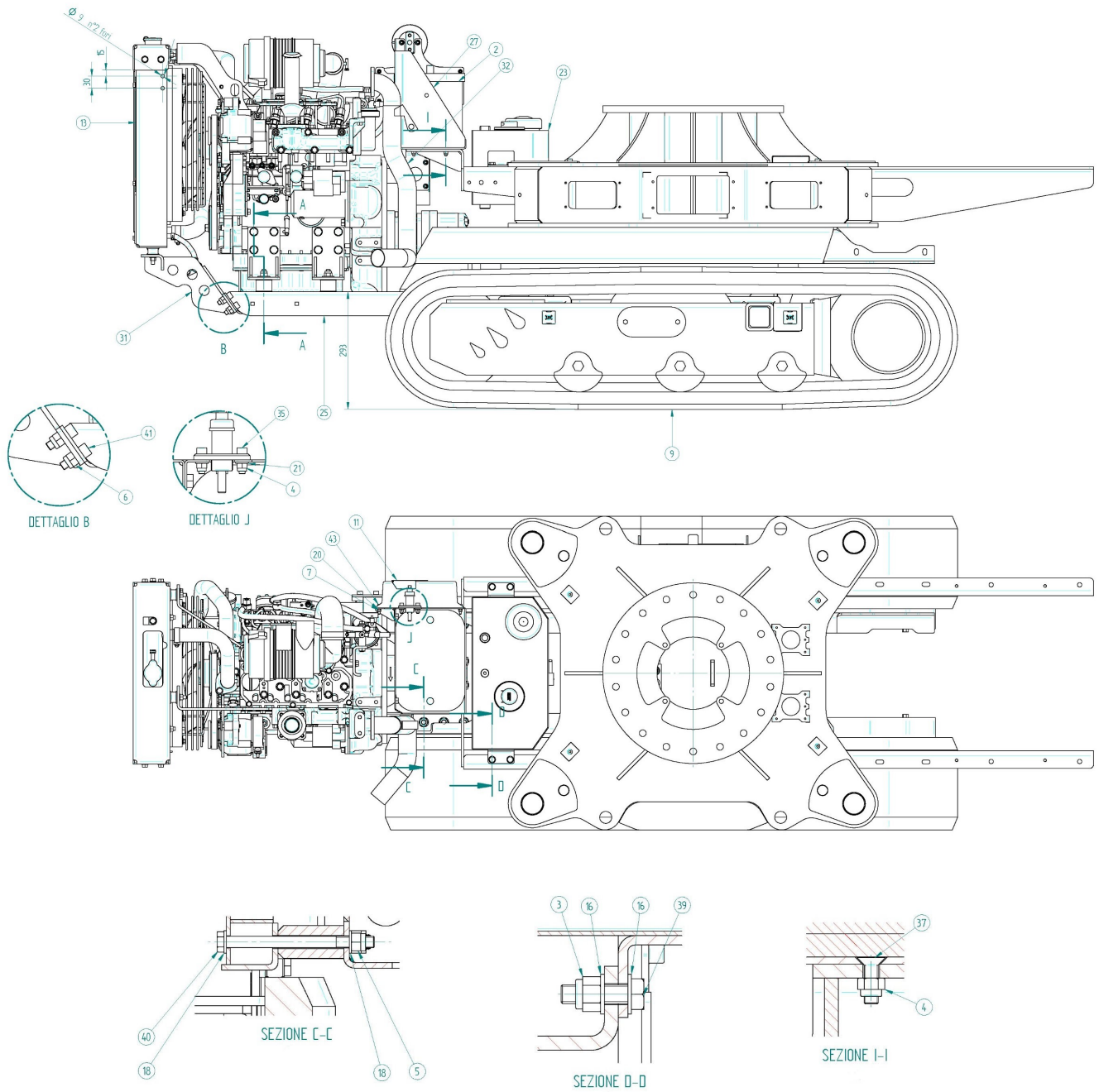
Fig. 2-21: Assembly drawing DT0060

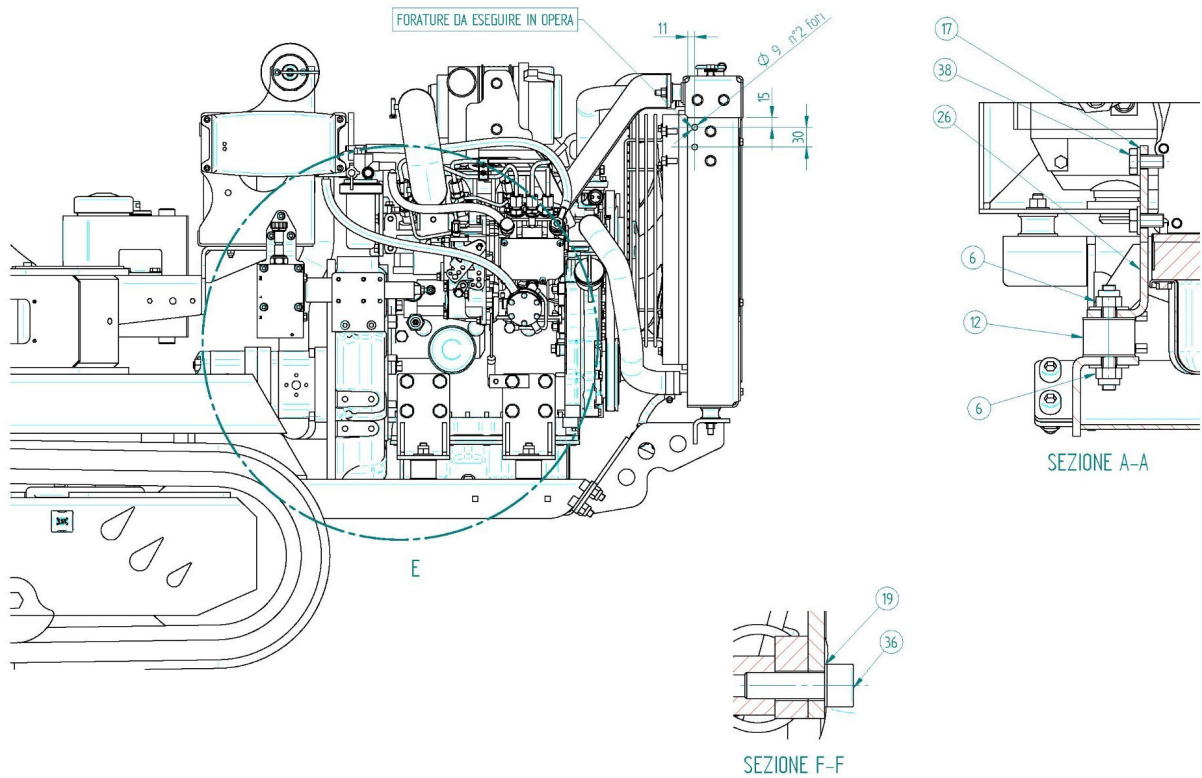
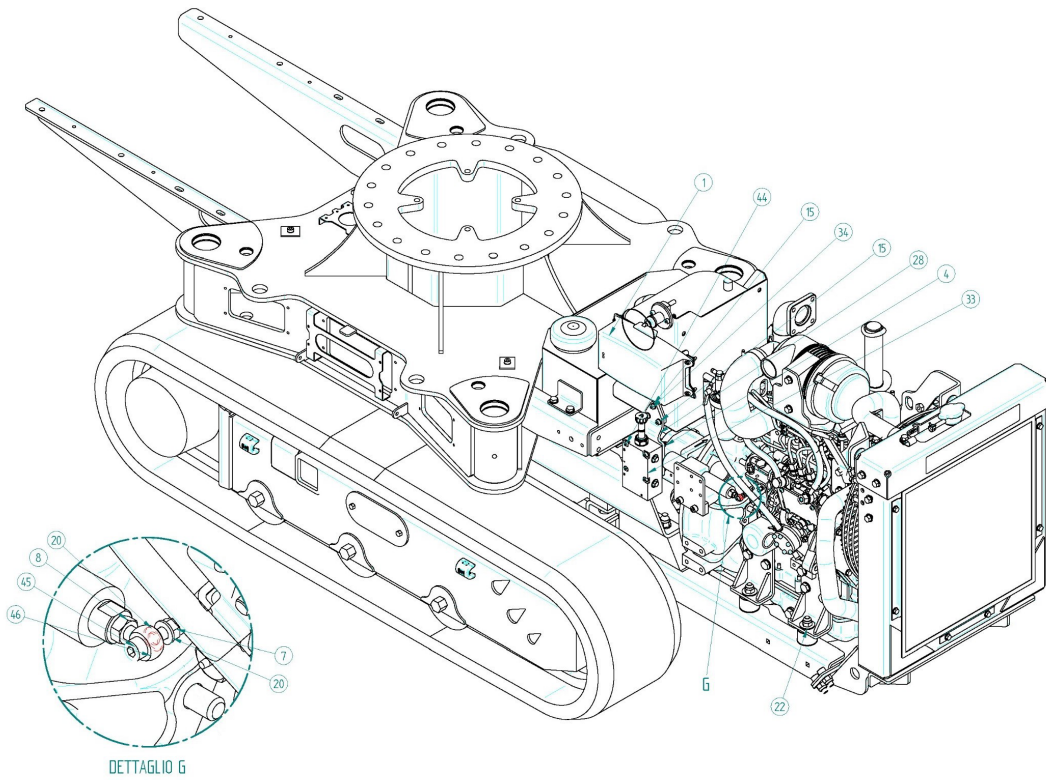
No.	Description	Code
1	Chassis base	BA0006
2	Extensible crawler without tracks 780-1180 T=230	CA0006
3	Self-locking nut M16 UNI 7473 CL. 10 ZN	DD0036
4	Steel plate M250	LM1491
5	Straight connection M1/4"G - M9/16" JIC (A102023-1013) with OR	RA0038
6	T connection MOR1/4"G - M9/16"JIC (A111034-1013)	RA0281
7	Flat washer 7x30 UNI 6592-29	RO0010
8	Screw TE M16x60 UNI 5737 CL.10.9 ZN	VT0188

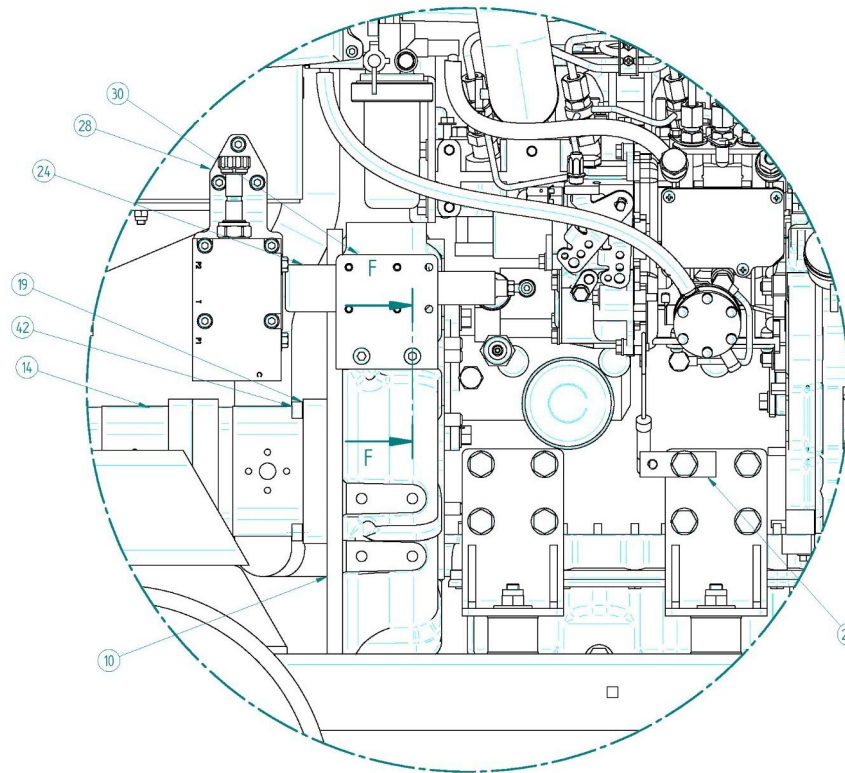
Table 2-21: Spare parts for DT0060



**2.1.22 DT0061 - SCHEDULE DIESEL ENGINE + ENGINE ACCESSORIES M250**







DETAGLIO E

Fig. 2-22: Assembly drawing DT0061

No.	Description	Code
1	Battery charger 12V17A BLUPOWER IP67 WP	BT0002
2	Gel battery 12V 50Ah 815Asp CWE	BT0003
3	Self-locking nut M8 UNI 7473 ZN	DD0002
4	Self-locking nut M6 UNI 7473 ZN	DD0005
5	Self-locking nut M12 UNI 7473 ZN	DD0006
6	Self-locking nut M10 UNI 7473 ZN	DD0014
7	Self-locking nut M5 UNI 7473 ZN	DD0015
8	Normal nut M6 ZN	DD0046
9	Schedule for chassis + Crawler M250	DT0060
10	coupler Kit for YANMAR diesel engine MT0001	LT0001
11	Master switch lever	LV0001
12	Gummy vibration dumping element LAGOS M50-30-10MA 65Sh	MO0006
13	YANMAR Diesel engine 3TNV70 12V 854cc 16,3KW/50,5Nm	MT0001
14	Short double pump with unique suction 9cc+6cc (GHPC2-D-13/9)	PU0003
15	Washer SCHNORR S6	RO0004
16	Rosette 9x17 UNI 6592-70	RO0005





No.	Description	Code
17	Rosette 11x21 UNI 6592-70	RO0006
18	Rosette 13x25 UNI 6552-69	RO0007
19	Rosette for screws and nuts UNI 6592 TE-10	RO0009
20	Rosette 5,3x10 UNI 6592-29	RO0011
21	Rosette 6.4X12.5 UNI 6592-30	RO0012
22	Rosette 11X30 UNI 6592-69	RO0053
23	Diesel tank M304/305 12 l	SB0004
24	12V electric Rpm actuator stroke 35mm	SN0002
25	Support steel plate for YANMAR diesel engine	SU0041
26	Galvanized bracket for support steel plate for YANMAR diesel engine	SU0043
27	Support for 12 v gel battery	SU0044
28	Support for valve VA0018	SU0061
29	Support for diesel filter	SU0097
30	Support for electric Rpm actuator	SU0098
31	Radiator support	SU0099
32	Pipe exhaust extension MT0001	TF0034
33	Double pump management valve 12 V AF DP160045	VA0018
34	Screw TCEI M6x12 UNI5931 CL.8.8	VT0016
35	Screw TCEI M6x20 UNI5931 CL.8.8 ZN	VT0017
36	Screw TCEI M8x25 UNI5931 CL.8.8	VT0019
37	Screw TSPEI M6x20 UNI5933 CL.8.8	VT0020
38	Screw TE M10x20 UNI5739 CL.10.9	VT0025
39	Screw TE M8x30 UNI 5739 CL.8.8	VT0032
40	Screw TE M12x160 UNI 5737 CL.10.9	VT0034
41	Screw TCEI M10x30 UNI 5931 CL.8.8	VT0035
42	Screw TCEI M8x30 UNI 5931 CL.8.8 ZN	VT0037
43	Screw TCEI M5x20 UNI 5931 CL.8.8 ZN	VT0039
44	Screw TCEI M6x55 UNI 5931 CL.8.8	VT0051
45	Screw TCEI M5x25 UNI 5931 CL.8.8 ZN	VT0127
46	Screw rings M6x25 DIN 444-B-4.6	VT0441

**Table 2-22: Spare parts for DT0061**



**2.1.23 DT0063 - SCHEDULE FOR OUTRIGGER PIN POSITION (0-22-45) MICRO-SWITCH**

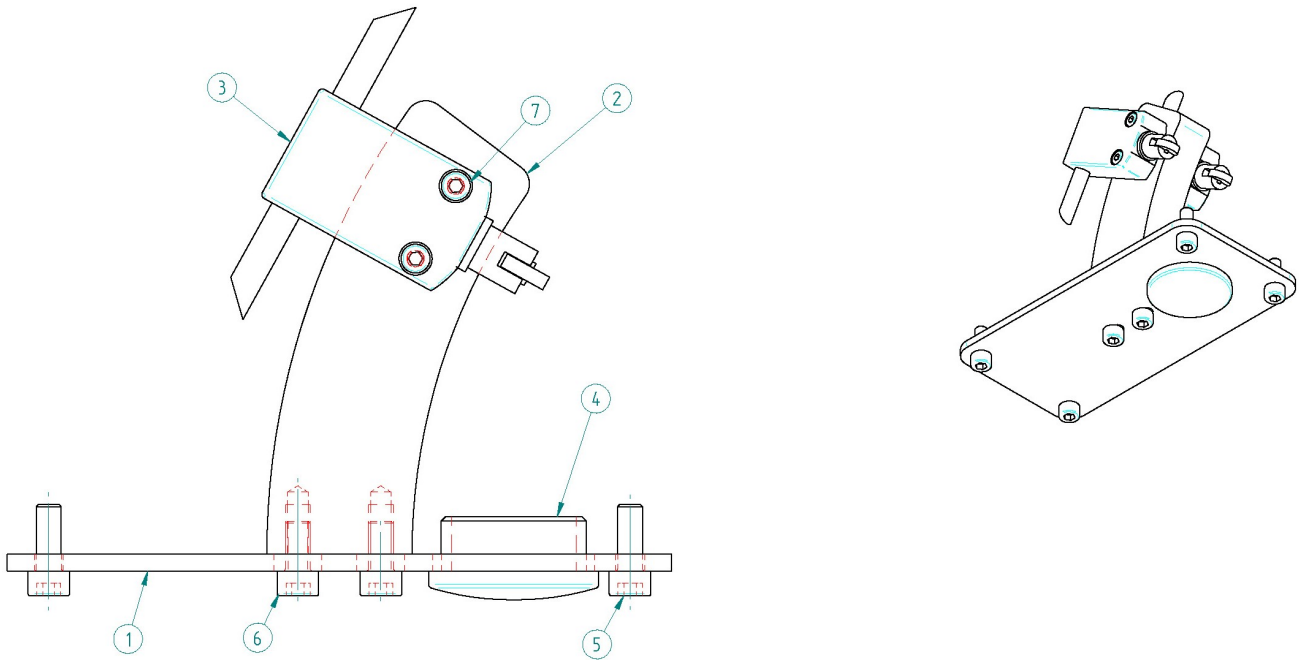


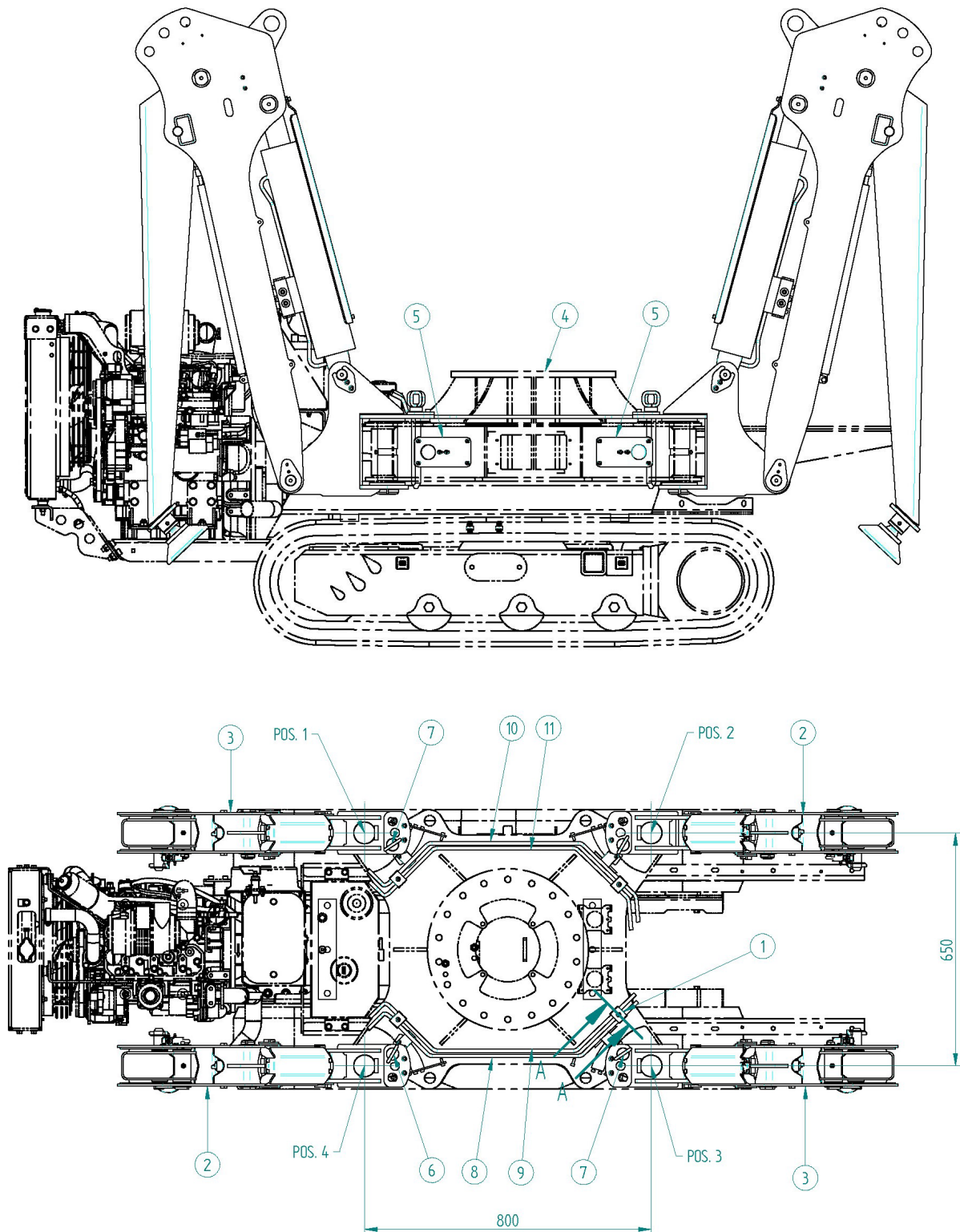
Fig. 2-23: Assembly drawing DT0063

No.	Description	Code
1	Support plate for outrigger pin position (0-22-45) micro-switch	LM0581
2	Support plate for outrigger pin position (0-22-45) micro-switch	LM0582
3	Piston micro-switch with wheel NC+NO	MI0057
4	Plastic cup	TA0001
5	Screw TCEI M6x16 UNI5931 CL.8.8	VT0013
6	Screw TCEI M6x12 UNI5931 CL.8.8	VT0016
7	Screw TCEI M4x20 UNI5931 CL.8.8 ZN	VT0038

Table 2-23: Spare parts for DT0063



**2.1.24 DT0064 - SCHEDULE FOR OUTRIGGERS FIXING**



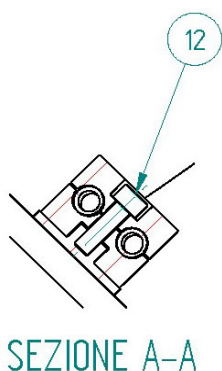


Fig. 2-24: Assembly drawing DT0064

No.	Description	Code
1	Double semi-collars pair D10 black	CO0002
2	Schedule outriggers 2-4	DT0033
3	Schedule outriggers 1-3	DT0042
4	Schedule Diesel engine + engine accessories M250	DT0061
5	Schedule for outrigger pin position (0-22-45) micro-switch	DT0063
6	Pin for outrigger pin position (0-22-45) 2-4 M250	PR0122
7	Pin for outrigger pin position (0-22-45) 1-3 M250	PR0123
8	Steel pipe JIC 10x1.5 outrigger connection. M304/5	TF0037
9	Steel pipe JIC 10x1.5 outrigger connection. M304/5	TF0038
10	Steel pipe JIC 10x1.5 outrigger connection. M304/5	TF0039
11	Steel pipe JIC 10x1.5 outrigger connection. M304/5	TF0040
12	Screw TCEI M6x20 UNI5931 CL.8.8 ZN	VT0017

Table 2-24: Spare parts for DT0064



**2.1.25 DT0157 - SCHEDULE STEEL INTERNAL CHAIN M250**

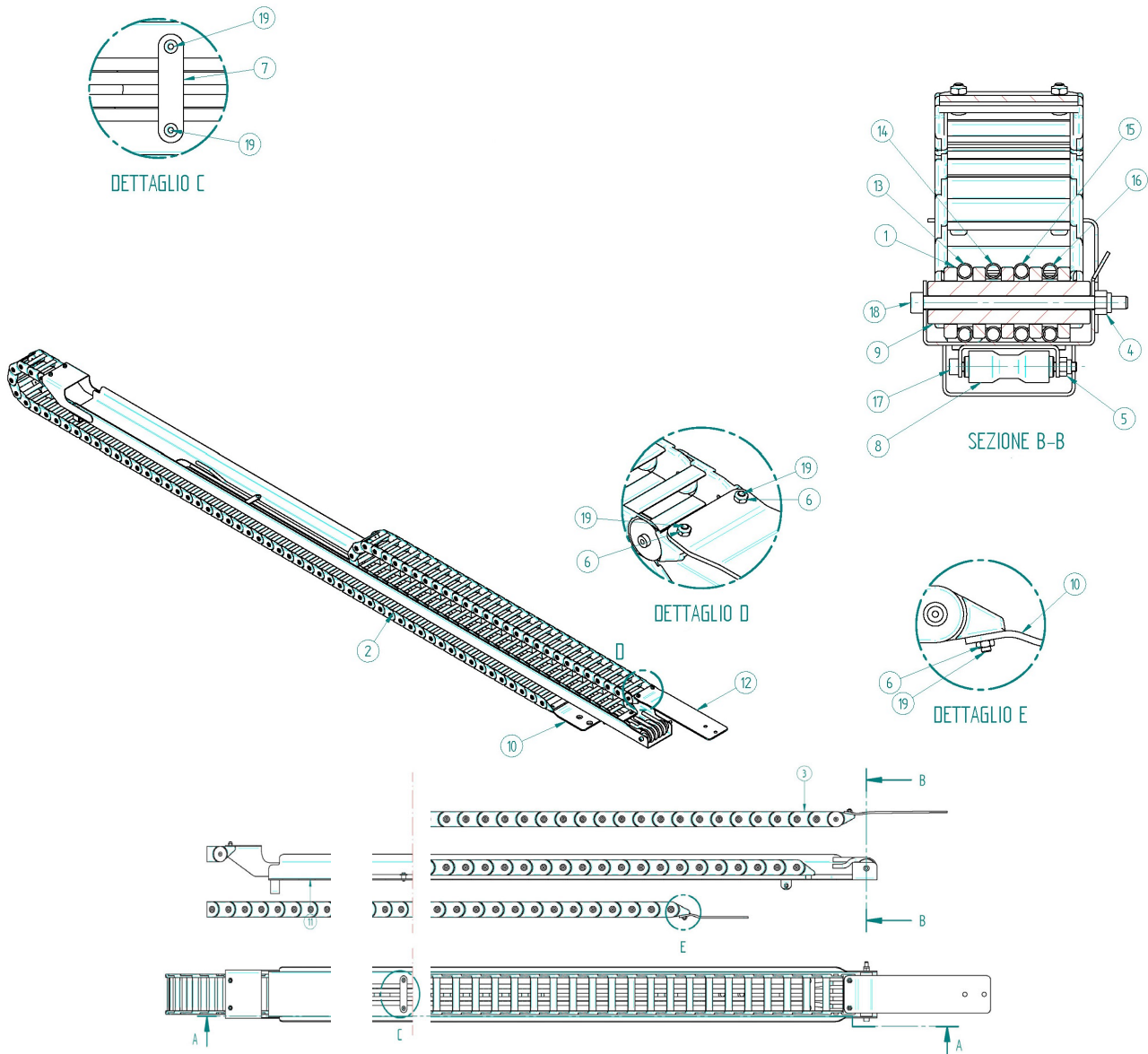


Fig. 2-25: Assembly drawing DT0069

No.	Description	Code
1	Activation bush M250	BC0046
2	plastic chain Kabelschlepp KS1455 r=65mm L=2593,5 (57 links + 2 terminal)	CT0006
3	plastic chain Kabelschlepp KS1455 r=52mm L=2457 (54 links + 2 terminal)	CT0007
4	Self-locking nut M8 UNI 7473 ZN	DD0002
5	Self-locking nut M6 UNI 7473 ZN	DD0005
6	Lower nut M6 UNI 5589	DD0016
7	Downspout steel plate for hydraulic activation	LM0611
8	Pad roll steel chain	PA0020
9	Pad roll steel pipe	PA0021



No.	Description	Code
10	Chain support for hydraulic activation	SU0049
11	Chain support for hydraulic activation	SU0050
12	Chain support for hydraulic activation	SU0058
13	Steel pipe JIC 10x1 internal main boom jib activation hoses.M250	TF0109
14	Steel pipe JIC 10x1 internal main boom jib activation hoses.M250	TF0110
15	Steel pipe JIC 10x1 internal main boom jib activation hoses.M250	TF0111
16	Steel pipe JIC 10x1 internal main boom jib activation hoses.M250	TF0112
17	Screw TCEI M6x75 UNI 5931 CL.8.8 ZN	VT0041
18	Screw TCEI M8x130 UNI 5931 CL.8.8 ZN	VT0042
19	Screw TCBEI M6x16 UNI 7380 CL.10.9 ZN	VT0045

Table 2-25: Spare parts for DT0069

**2.1.26 DT0070 - SCHEDULE FOR WINCH**

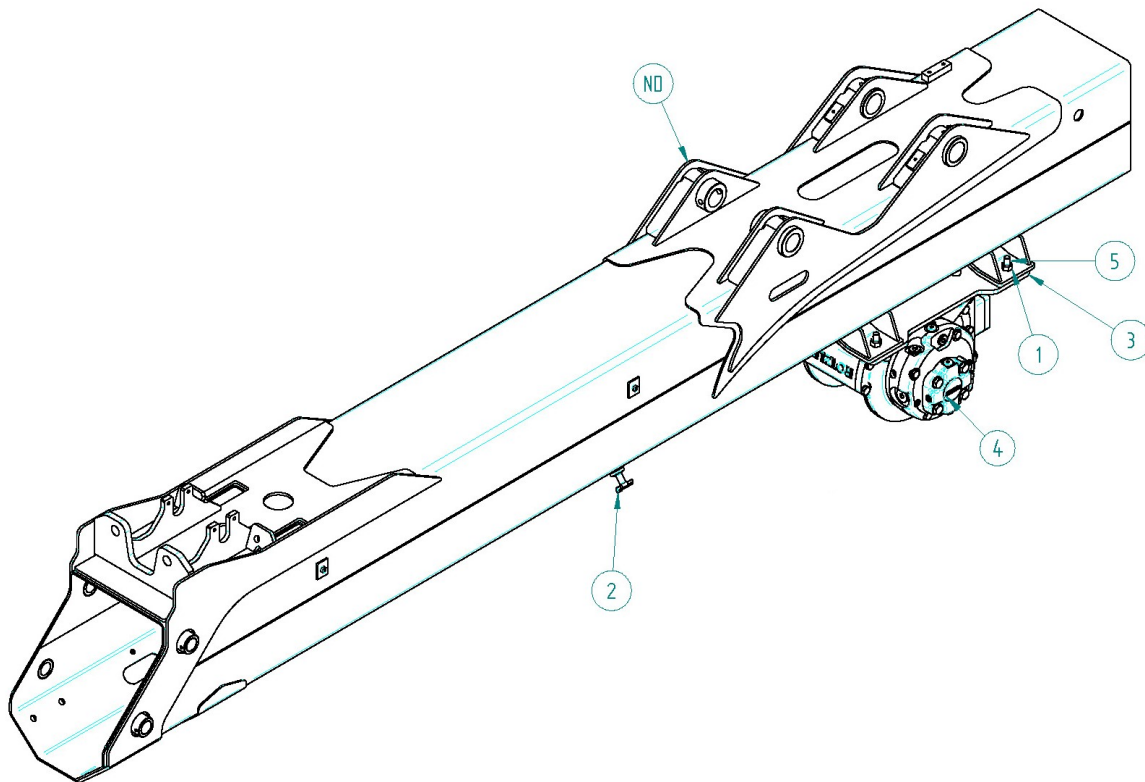


Fig. 2-26: Assembly drawing DT0070

No.	Description	Code
1	Self-locking nut M12 UNI 7473 ZN	DD0006
2	Snap plug D5 SN050A (ISI)	SP0001
3	Winch support plate VR0008	SU0343
4	Rotzler winch TITAN TI1 complete with rope D=7mm 68m	VR0008



No.	Description	Code
5	Screw TCEI M12x45 UNI 5931 CL.10.9 ZN	VT0040

Table 2-26: Spare parts for DT0070

**2.1.27 DT0071 - SCHEDULE FOR SWIVEL JOINT**

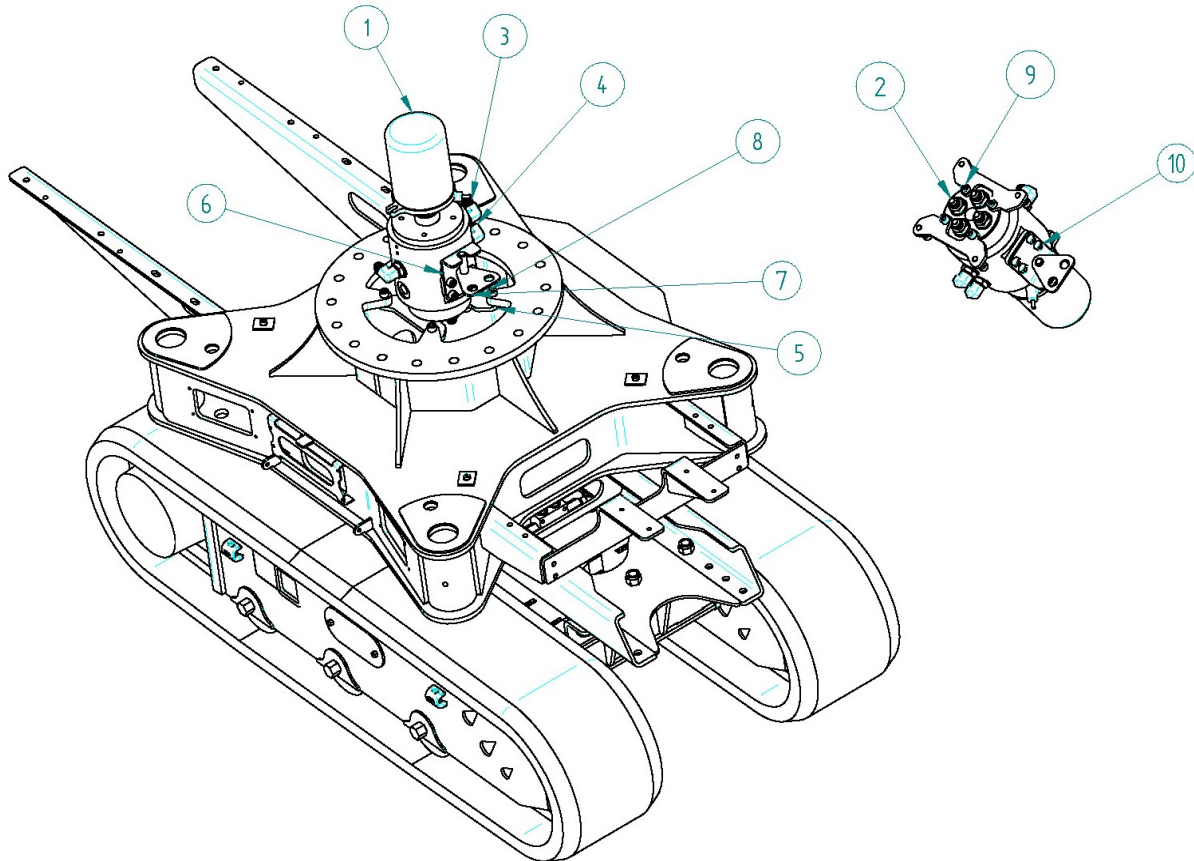


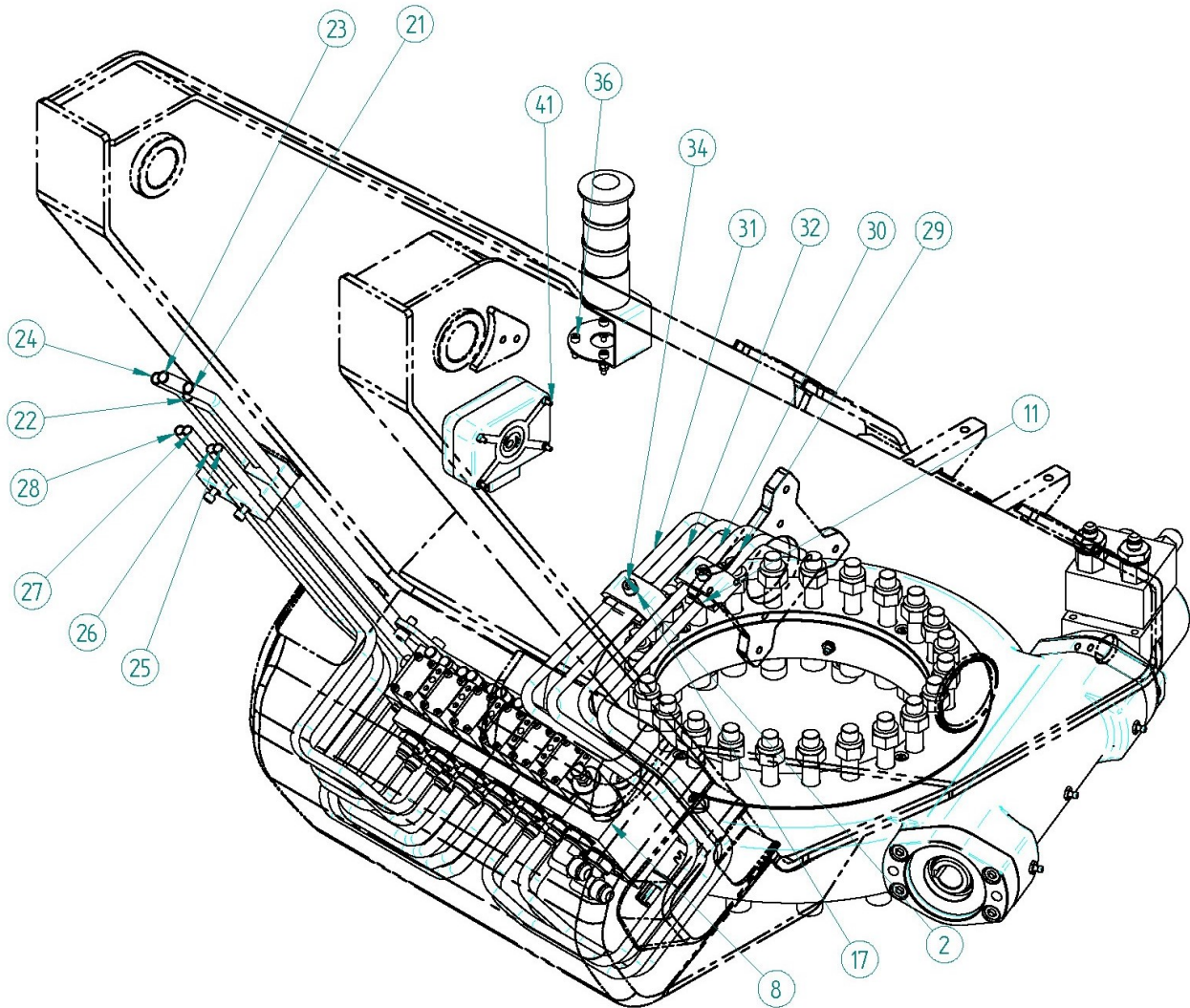
Fig. 2-27: Assembly drawing DT0071

No.	Description	Code
1	Swivel Joint ALA 4 ways 8 ring + Can-Bus and encoder	DR0002
2	Steight connection M1/2"G - M3/4"JIC (A102023-1221) with OR	RA0075
3	connection 90° MOR1/2"G - M3/4"JIC (A107039-1221)	RA0076
4	Connection 90° MOR1/2"G - M9/16"JIC with OR and washer (A107039-1021)	RA0077
5	Support plate for swivel joint DR0002	SU0051
6	Support for Swivel joint	SU0064
7	Support for Swivel joint	SU0065
8	Screw TCEI M10x30 UNI 5931 CL.8.8	VT0035
9	Screw TCEI M10x25 UNI 5931 CL.8.8	VT0046
10	Screw TCEI M10x20 UNI 5931 CL.8.8 ZN	VT0072

Table 2-27: Spare parts for DT0071



**2.1.28 DT0072 - SCHEDULE FOR COLUMN**





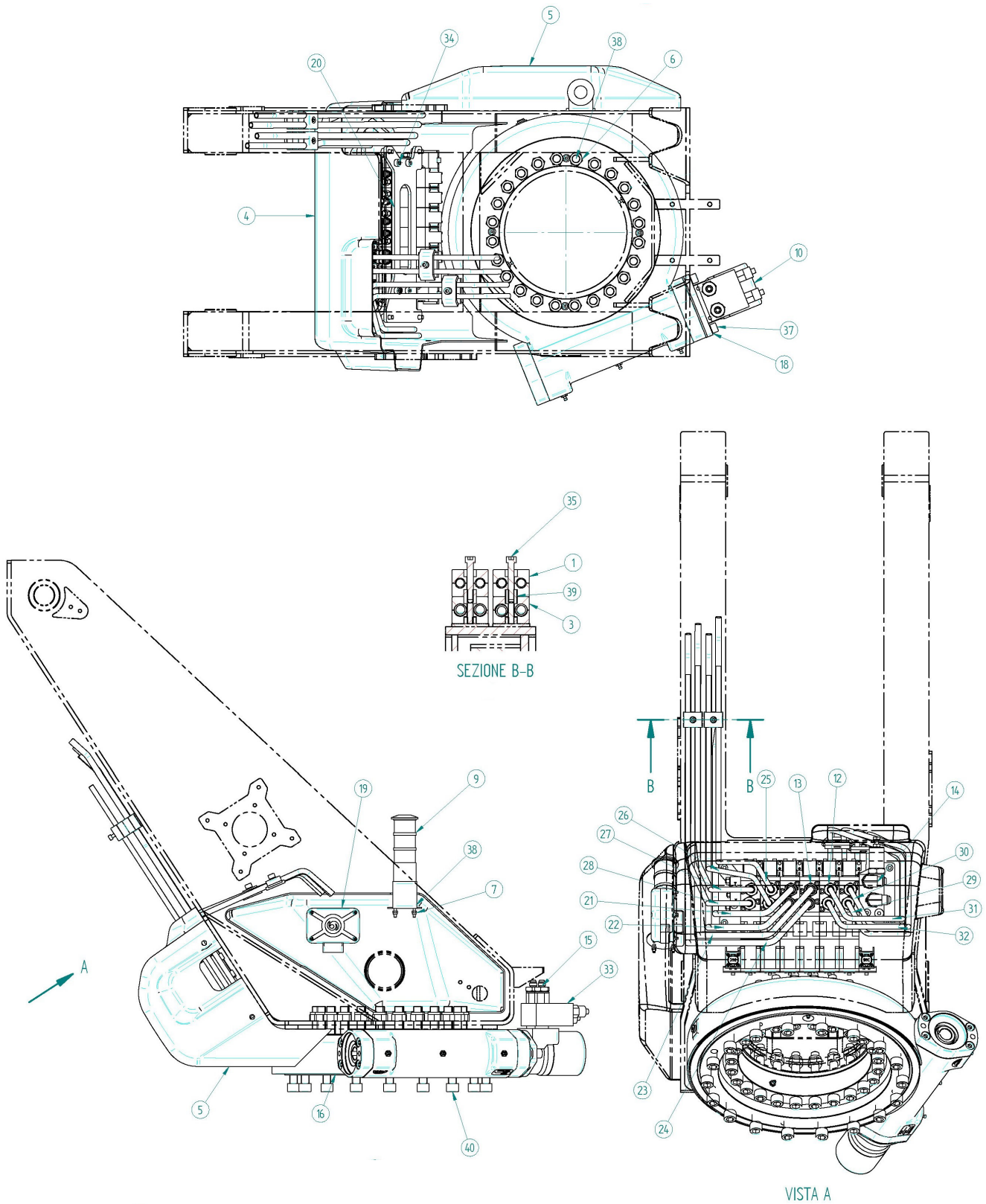


Fig. 2-28: Assembly drawing DT0072

No.	Description	Code
1	Double semi-collars pair D10 black	CO0002



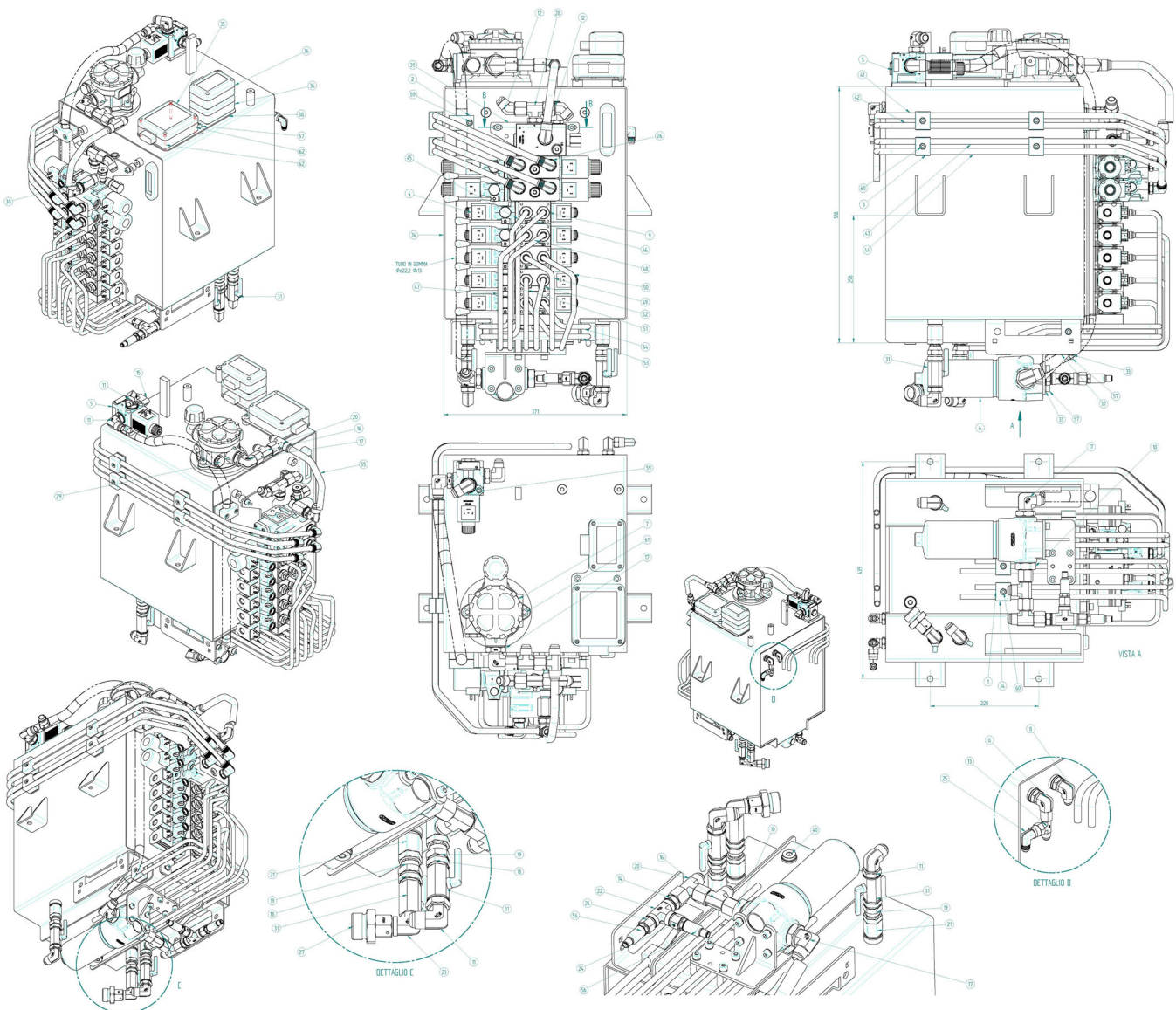
No.	Description	Code
2	Downspout collar	CO0006
3	Double semi-collars pair D12 black	CO0012
4	ABS crankcase on the back of the column	CR0060
5	ABS crankcase on the left side of the column	CR0091
6	Self-locking nut M16 UNI 7473 ZN	DD0013
7	Self-locking nut M5 UNI 7473 ZN	DD0015
8	Have crane CAN-BUS distributor PSL2	DS0001
9	LED light tower 10-30V yellow-green-red without buzzer	LA0021
10	Hydraulic joint for rotation module 160 cc	MT0002
11	Elastomer thickness 14X6	PA0023
12	Straight connection M3/8"G - M9/16"JIC (A102023-1017) with OR	RA0023
13	Straight connection M3/8"G - M3/4"JIC (A102023-1217) with OR and washer	RA0032
14	Connection 90° MOR1/2"G - M3/4"JIC (A107039-1221)	RA0076
15	Straight connector M1/2"G - M9/16"JIC with OR e washer (A102023-1021)	RA0078
16	Rotation module M250	RL0004
17	Washer SCHNORR S8 ZN	RO0008
18	Washer SCHNORR S12	RO0013
19	Slave CPU MOBA MSC-113	SE0004
20	Support plate for crane Have distributor M250	SU0054
21	Steel pipe JIC 10x1,5 Have distributor. col. M304/5	TF0055
22	Steel pipe JIC 10x1,5 Have distributor. col. M304/5	TF0056
23	Steel pipe JIC 10x1,5 Have distributor. col. M304/5	TF0057
24	Steel pipe JIC 10x1,5 Have distributor. col. M304/5	TF0058
25	Steel pipe JIC 10x1 Have distributor. col. M304/5	TF0059
26	Steel pipe JIC 10x1 Have distributor. col. M304/5	TF0060
27	Steel pipe JIC 10x1 Have distributor. col. M304/5	TF0061
28	Steel pipe JIC 10x1.5 Have distributor. col. M304/5	TF0062
29	Steel pipe JIC 10x1.5 Have distributor. col. M304/5	TF0065
30	Steel pipe JIC 10x1.5 Have distributor. col. M304/5	TF0066
31	Steel pipe JIC 10x1.5 Have distributor. col. M304/5	TF0192
32	Steel pipe JIC 10x1.5 Have distributor. col. M304/5	TF0193
33	Overpressure double cross valve	VA0011
34	Screw TCEI M8x16 UNI5931 CL.8.8 ZN	VT0012
35	Screw TCEI M6x40 UNI5931 CL.8.8	VT0018

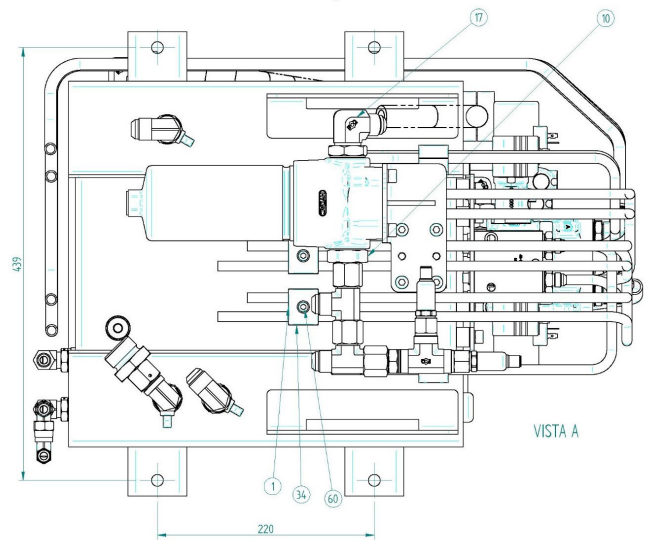
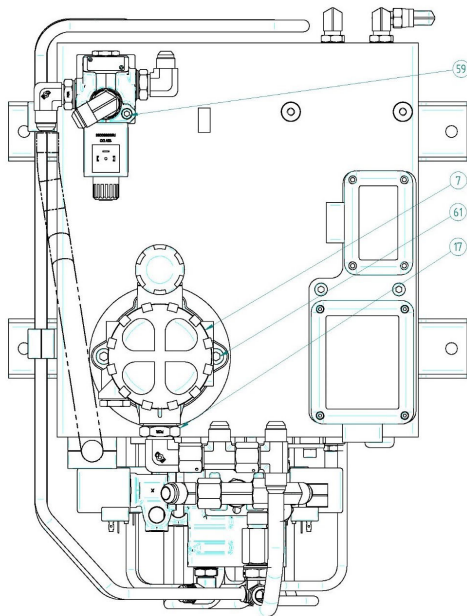
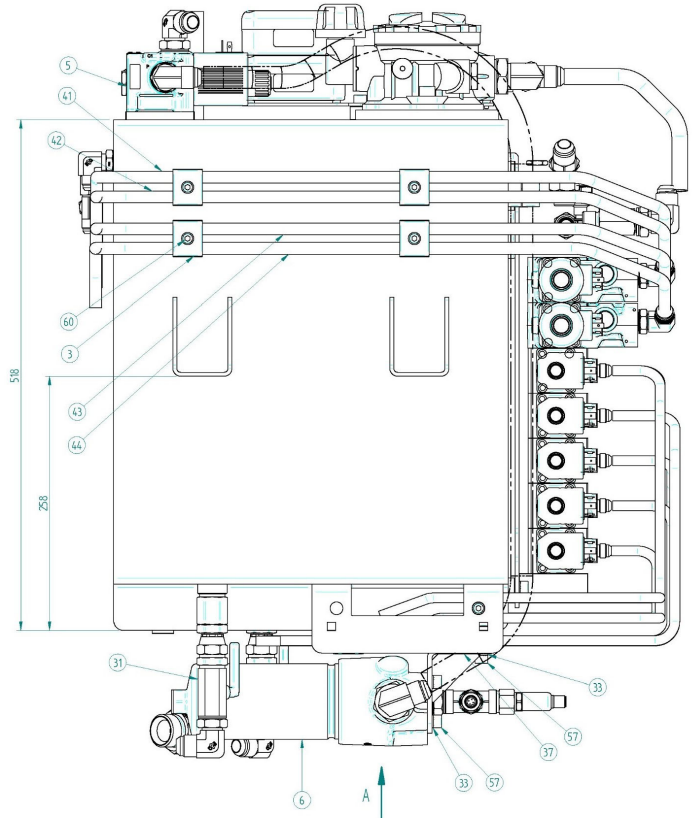
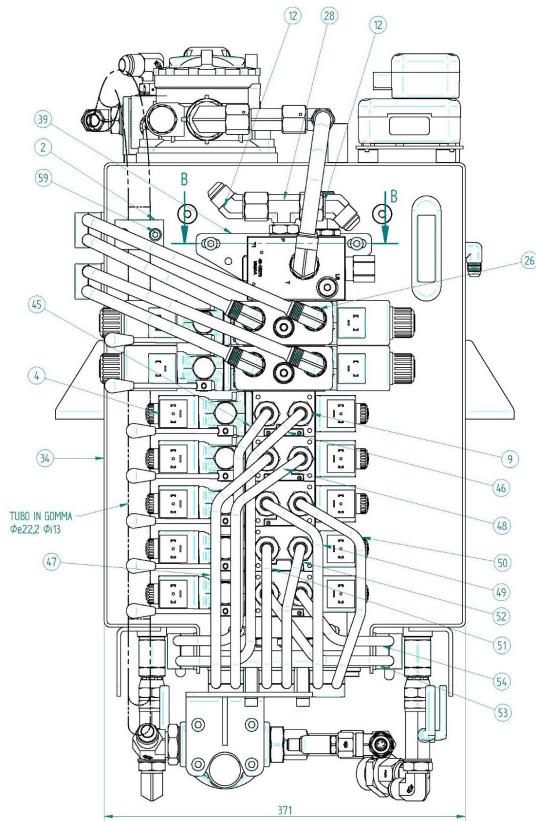


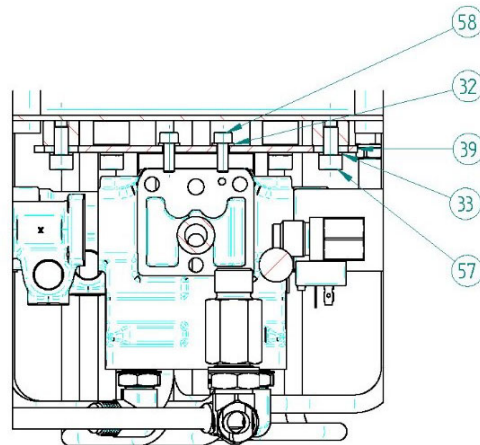
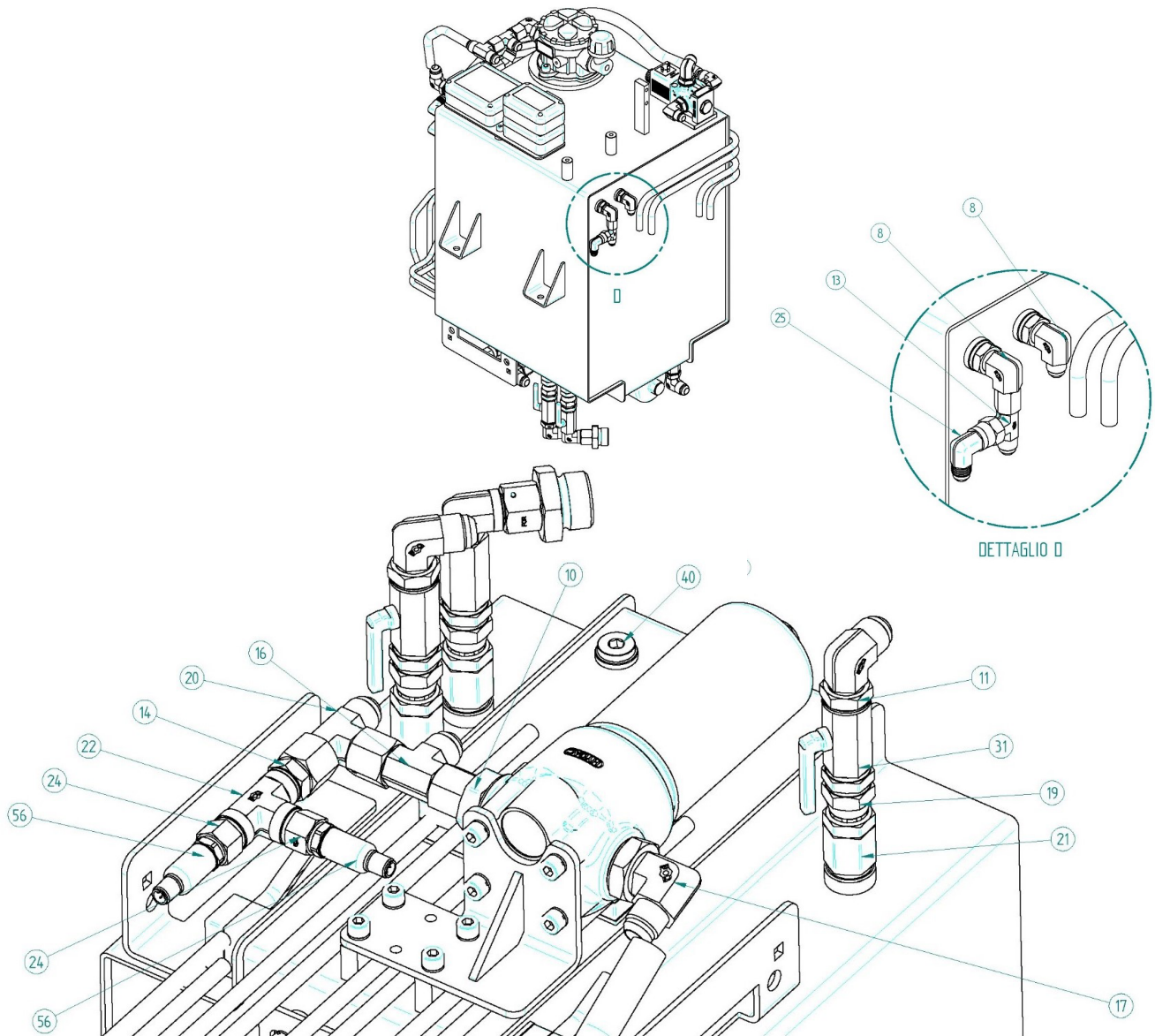
No.	Description	Code
36	Screw TCEI M5x20 UNI 5931 CL.8.8 ZN	VT0039
37	Screw TCEI M12x30 UNI 5931 CL.8.8 ZN	VT0047
38	Screw TCEI M16x110 UNI 5931 CL.10.9 ZN	VT0048
39	Screw PIEFFECI VA-CF1-M6X50 Screw complete with collar TCIEPF	VT0049
40	Screw TCEI M16x50 UNI 5931 CL.10.9 ZN	VT0053
41	Screw TCEI M4x45 UNI 5931 CL.8.8 ZN	VT0081

Table 2-28: Spare parts for DT0072

**2.1.29 DT0076 - SCHEDULE FOR TANK + ACCESSORIES**







SEZIONE B-B

Fig. 2-29: Assembly drawing DT0076



No.	Description	Code
1	Double semi-collars pair D10 black	CO0002
2	Double semi-collars pair D22 black	CO0007
3	Double semi-collars pair D12 black	CO0012
4	Bosch crawler outriggers distributor 12V 7 elements complete with lever	DS0003
5	Electric deviator 12 V 3 way 2 position 1/2"G 60 l/min 310 bar	DV0002
6	Hydac betch flow filter cartridge 10 Micron	FO0001
7	Return filter cartridge 16 micron	FO0002
8	connection 90° MOR3/8"G - M9/16"JIC OR and washer (A107039-1017)	RA0005
9	Straight connection M3/8"G - M9/16"JIC (A102023-1017) with OR	RA0023
10	Straight connection M3/4"G - M7/8"JIC (A102023-1626)	RA0029
11	Connection 90° MOR1/2"G - M7/8"JIC (A107039-1621)	RA0030
12	Connection 45° FGIR7/8"JIC - M7/8"JIC (A105004-16)	RA0031
13	Connection L FGIR9/16"JIC - M9/16"JIC (A113003-10)	RA0040
14	Straight connector FGIR7/8"JIC - M3/8"G (A102177-1617) With OR	RA0057
15	Connection 90° MOR1/2"G - M3/4"JIC (A107039-1221)	RA0076
16	Connection L F7/8"JIC - M7/8"JIC (A113003-16)	RA0082
17	Connection 90° MOR3/4"G - M7/8"JIC (A107039-1626)	RA0083
18	Straight connector M1/2"G (A202002-2121)	RA0084
19	Straight connector FGIR1/2"G - M1/2"G (A202222-2121)	RA0085
20	Connection T FGIR7/8"JIC - M7/8"JIC (A111012-16)	RA0086
21	Column connection L=20mm F1/2"G - M1/2"G	RA0093
22	Connection T F3/8"G (A311057-17)	RA0116
23	Connection 90° FGIR1/2"G - M1/2"G	RA0129
24	Straight connection F1/4"G - M3/8"G (riduzione tipo tappo) (A302411/1317)	RA0201
25	Connection 90° FGIR9/16"JIC - M9/16"JIC (A107017-10)	RA0265
26	Connection 90° MOR3/8"G - M3/4"JIC (A107039-1217)	RA0330
27	Straight connector M1/2"G - M1"G (SA202002-2133)	RA0331
28	Connection T MOR1/2"G - M7/8"JIC con OR e rondella (A111034-1621)	RA0339
29	Cup M1/2"G chiuso (A301010-21)	RA0344
30	Column connection L=36mm F1/2"G - M1/2"G (SA301120-21x53)	RA0348
31	Sphere faucet FF 1/2"G (Dint.15mm)	RB0004
32	washer SCHNORR S6	RO0004
33	Washer SCHNORR S8 ZN	RO0008
34	Oil tank M250 65L	SB0005
35	Master CPU MOBA MSC-113	SE0003

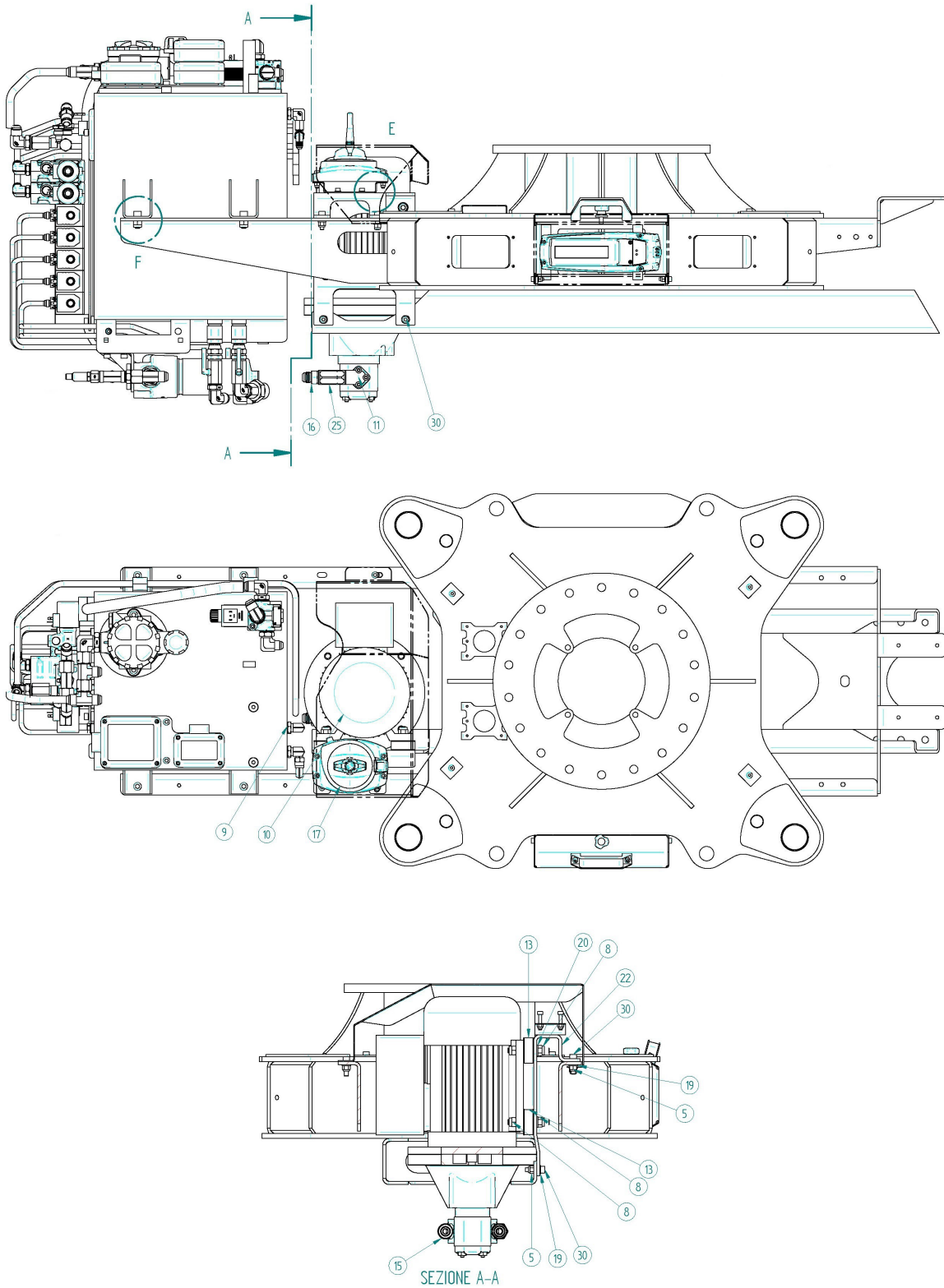


No.	Description	Code
36	Slave CPU MOBA MSC-113	SE0004
37	Support for filter M250	SU0056
38	Support for electric box	SU0063
39	Support for crawler/outriggers distributor M250	SU0218
40	Magnetic cup 3/8"G for oil tank (A301317-17)	TA0005
41	Steel pipe JIC 10x1.5 oil tank M304/5	TF0067
42	Steel pipe JIC 10x1.5 oil tank M304/5	TF0068
43	Steel pipe JIC 10x1.5 oil tank M304/5	TF0069
44	Steel pipe JIC 10x1.5 oil tank M304/5	TF0070
45	Steel pipe JIC 10x1.5 oil tank M304/5	TF0071
46	Steel pipe JIC 10x1.5 oil tank M304/5	TF0072
47	Steel pipe JIC 10x1.5 oil tank M304/5	TF0073
48	Steel pipe JIC 10x1.5 oil tank M304/5	TF0074
49	Steel pipe JIC 10x1.5 oil tank M304/5	TF0075
50	Steel pipe JIC 10x1.5 oil tank M304/5	TF0076
51	Steel pipe JIC 10x1.5 oil tank M304/5	TF0077
52	Steel pipe JIC 10x1.5 oil tank M304/5	TF0078
53	Steel pipe JIC 10x1.5 oil tank M304/5	TF0079
54	Steel pipe JIC 10x1.5 oil tank M304/5	TF0080
55	Steel pipe JIC 16x2 oil tank M304/5	TF0082
56	Hydac pressure traducer 4-20 mA 400 bar HDA 7446-A-400-050	TP0001
57	Screw TCEI M8x16 UNI5931 CL.8.8 ZN	VT0012
58	Screw TCEI M6x16 UNI5931 CL.8.8 ZN	VT0013ZN
59	Screw TCEI M6x30 UNI5931 CL.8.8 ZN	VT0014
60	Screw TCEI M6x20 UNI5931 CL.8.8 ZN	VT0017
61	Screw TCEI M10x25 UNI 5931 CL.8.8	VT0046
62	Screw TCEI M4x45 UNI 5931 CL.8.8 ZN	VT0081

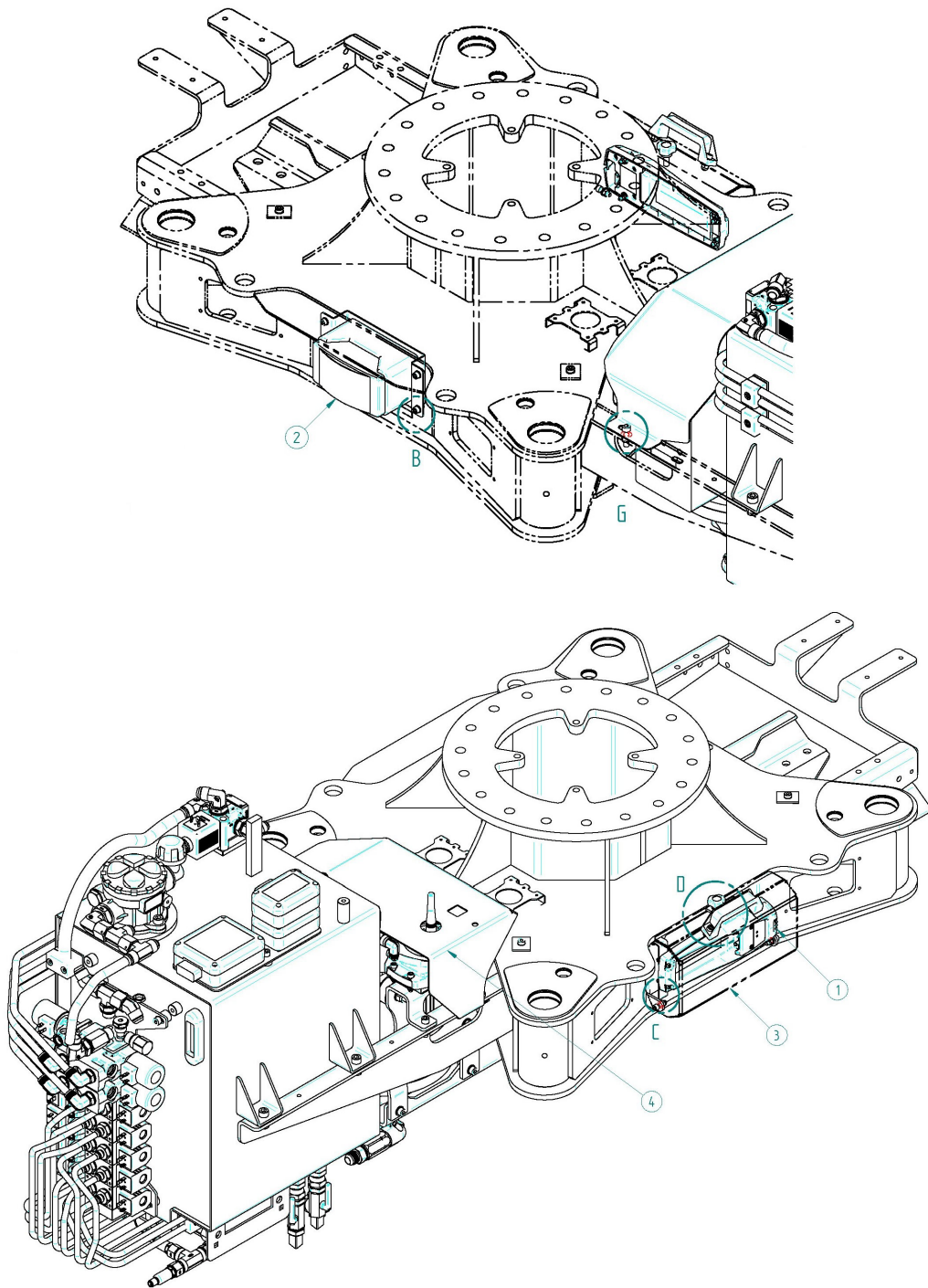
Table 2-29: Spare parts for DT0076



**2.1.30 DT0077 - SCHEDULE FOR ELECTRIC PUMP + TANK SYSTEM**







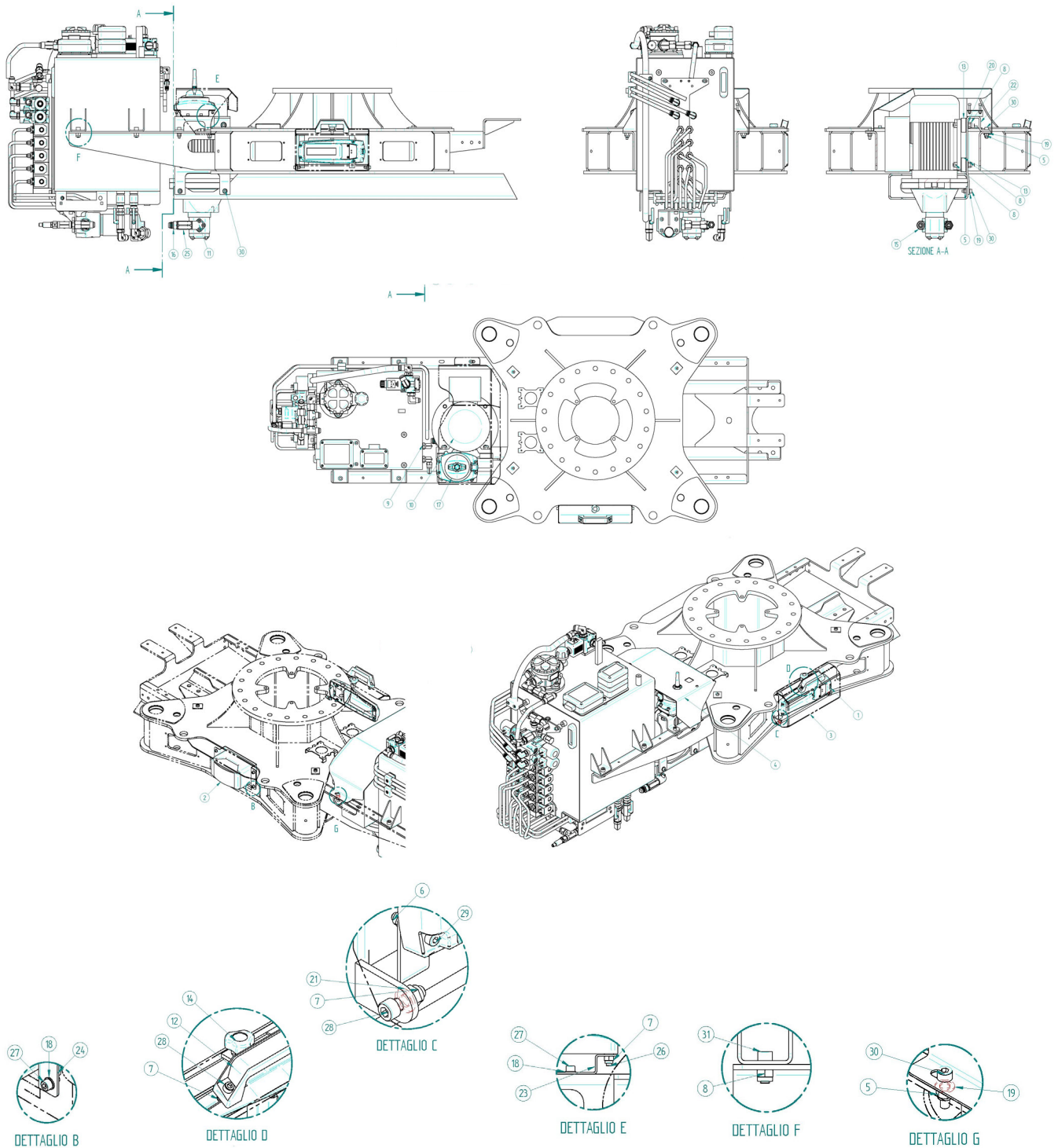


Fig. 2-30: Assembly drawing DT0077

No.	Description	Code
1	Scanreco RC400 remote control battery charger	BT0005
2	Wall Kaedra 3 modules controller	BX0019
3	crankcase for remote control battery charger	CR0033
4	Crankcase for electric engine	CR0222



No.	Description	Code
5	Self-locking nut M8 UNI 7473 ZN	DD0002
6	Self-locking nut M4 UNI 7473 ZN	DD0004
7	Self-locking nut M6 UNI 7473 ZN	DD0005
8	Self-locking nut M10 UNI 7473 ZN	DD0014
9	Schedule for tank + accessories	DT0076
10	Electric pump 4,2cc HP3 220/380/50 3F B3B5 IE2 2,2KW	EL0001
11	Flange 90° 30xF1/2"G with OR an nuts M6	FL0012
12	Plastic Handle THENAR 01TCA	MN0003
13	Gummy antivibration LAGOS M50-20-10MA 65Sh	MO0008
14	Pommel Thenar cod. 01THP30D20	PM0001
15	Straight connection M1/2"G - M3/4"JIC (A102023-1221) with OR	RA0075
16	Straight connection M1/2"G - M7/8"JIC (A102023-1621) con OR	RA0079
17	Scanreco CAN-BUS receiver RC0001	RC0003
18	washer SCHNORR S6	RO0004
19	Rosette 9x17 UNI 6592-70	RO0005
20	Rosette 11x21 UNI 6592-70	RO0006
21	Rosette 6.4X12.5 UNI 6592-30	RO0012
22	Electric pump support EL0001	SU0059
23	Support for Scanreco remote control receiver	SU0060
24	Support for M250	SU0184
25	Unidirectional valve F1/2"G 0.5 bar	VA0019
26	Screw TCEI M6x30 UNI5931 CL.8.8 ZN	VT0014
27	Screw TCEI M6x12 UNI5931 CL.8.8	VT0016
28	Screw TCEI M6x20 UNI5931 CL.8.8 ZN	VT0017
29	Screw TCEI M4x25 UNI5931 CL.8.8	VT0021
30	Screw TCEI M8x30 UNI 5931 CL.8.8 ZN	VT0037
31	Screw TCEI M10x25 UNI 5931 CL.8.8	VT0046

Table 2-30: Spare parts for DT0077

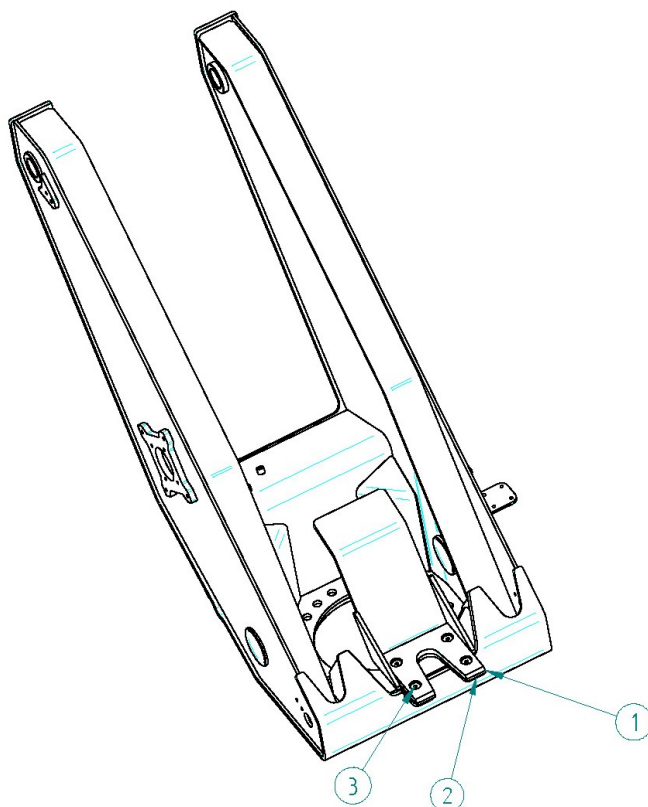

**2.1.31 DT0083 - SCHEDULE FOR JIB HOLDER**


Fig. 2-31: Assembly drawing DT0083

No.	Description	Code
1	Wear pad	PA0032
2	Jib support plate	SU0062
3	Screw TSPEI M10x25 UNI5933 CL.8.8 ZN	VT0104

Table 2-31: Spare parts for DT0083



**2.1.32 DT0089 - LOWER ADJUSTABLE HOOK CONNECTION FOR THE MAIN BOOM**

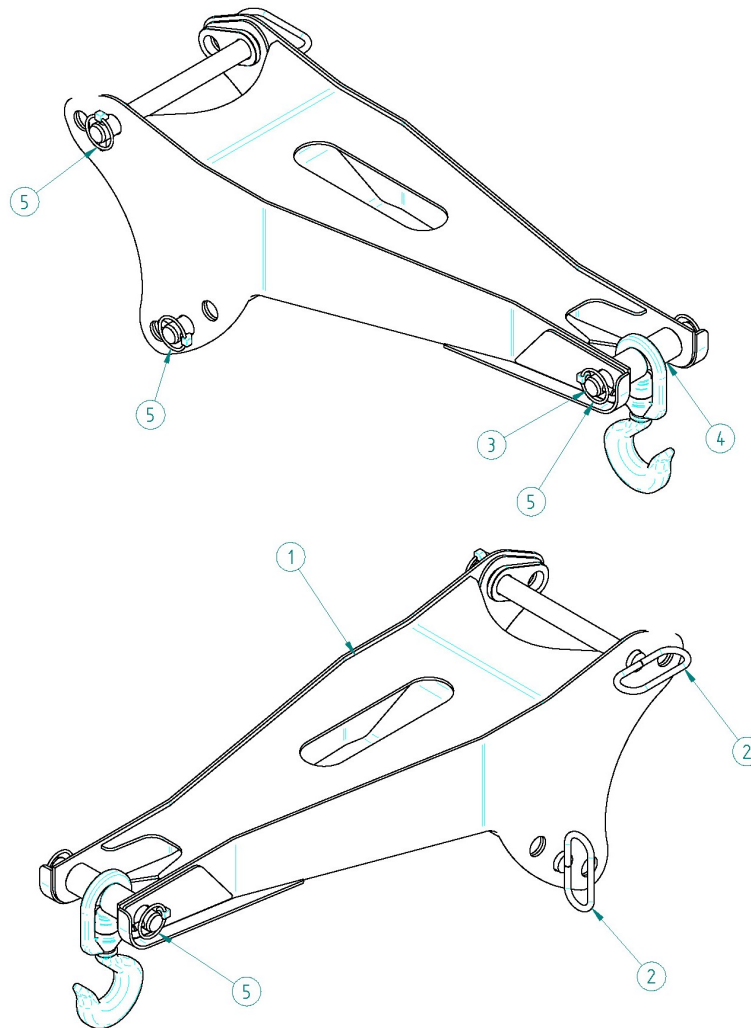


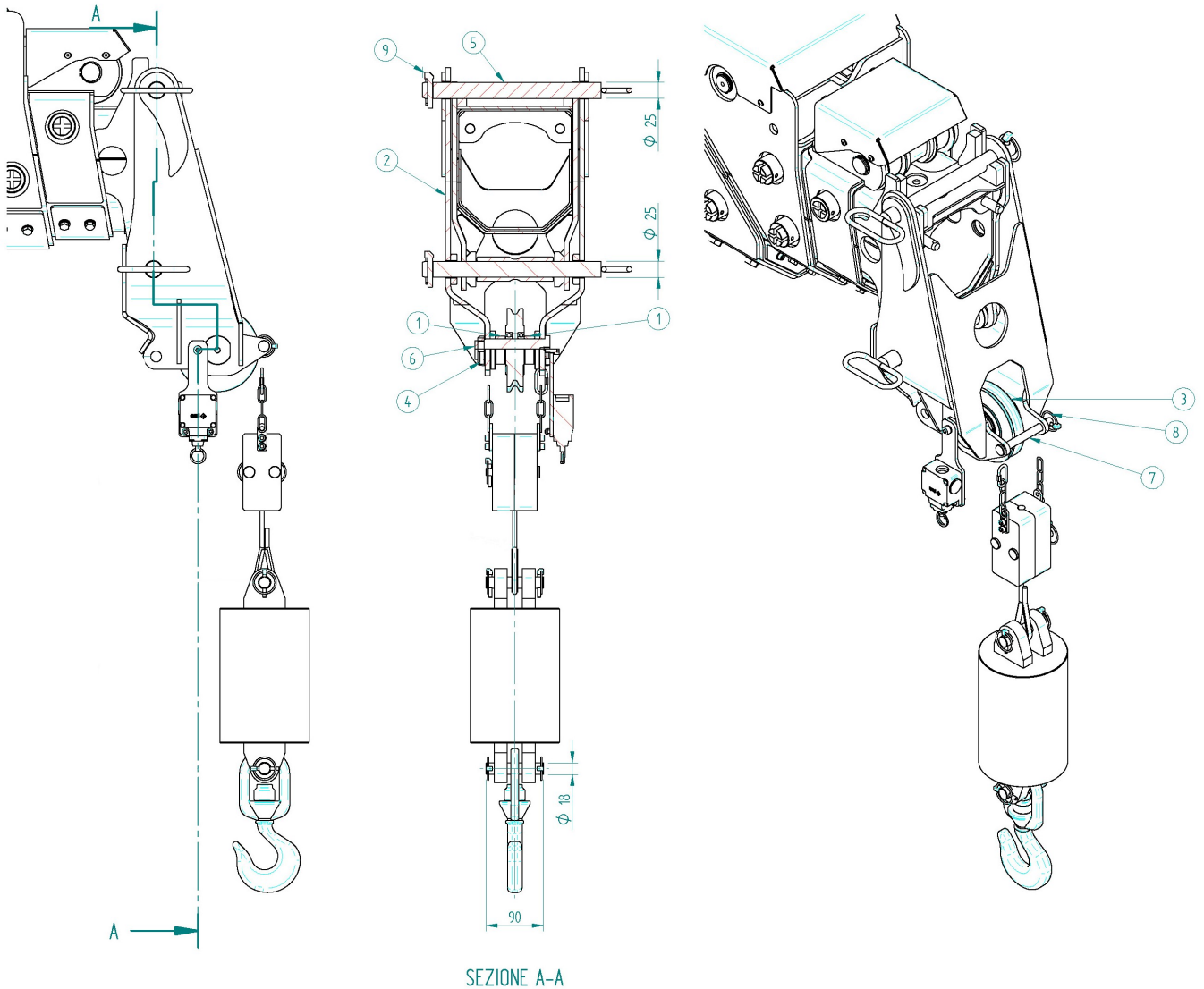
Fig. 2-32: Assembly drawing DT0089

No.	Description	Code
1	Bush for hook connection	BC0051
2	Lower adjustable hook connection for the main boom	BR0030
3	pin for jib boom. Diam. 25	PR0025
4	Pin for hook connection diam 25 mm	PR0066
5	Snap plug D8 SN080A	SP0003

Table 2-32: Spare parts for DT0089



**2.1.33 DT0090 - SCHEDULE FOR LOWER 2/3 WAY PULLEY BLOCK**



18	3 way pin block	PR0153
19	Washer SCHNORR S8 ZN	RO0008
20	Snap plug D5 SN050A (ISI)	SP0001
21	Snap plug D4.5 SN045A	SP0002
22	Snap plug D8 SN080A	SP0003
23	Micro-switch plate	SU0168
24	3 pulley lower block support	SU0251
25	Screw TCEI M5x20 UNI 5931 CL.8.8 ZN	VT0039
26	Screw TCEI M8x14 UNI5931 CL.8.8 ZN	VT0114
27	Screw TCEI M12x150 UNI5931 CL.8.8 ZN	VT0216

Table 2-33: Spare parts for DT0090

**2.1.34 DT0176 - SCHEDULE FOR CRANKCASE M250**

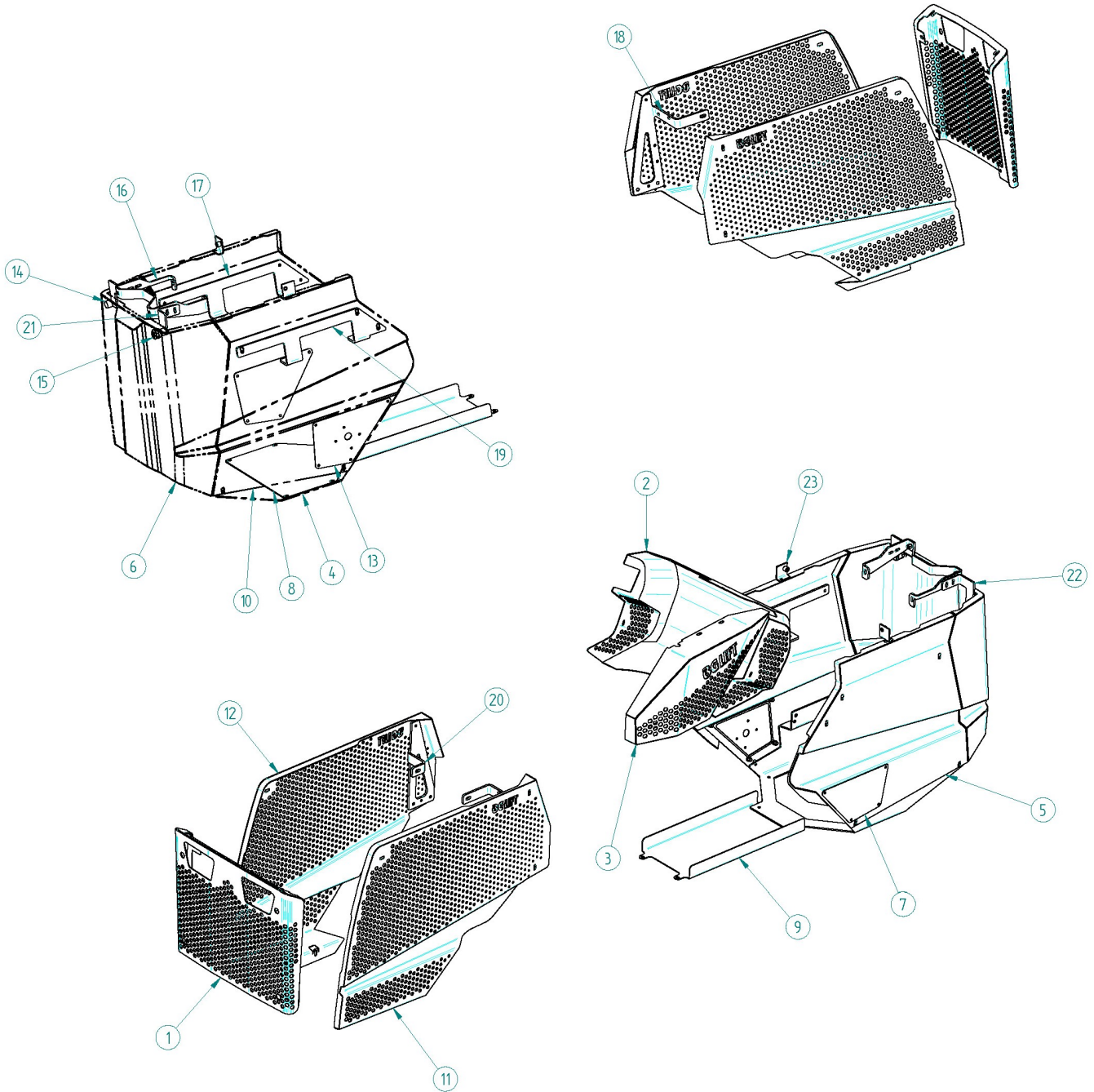


Fig. 2-34: Assembly drawing DT0176

No.	Description	Code
1	Front grid crankcase cover	CR0125
2	Column distributor crankcase steel plate M250	CR0126
3	Lateral column crankcase M250	CR0127
4	Rear lower crankcase M250	CR0128
5	Rear right lateral crankcase M250	CR0129
6	Rear crankcase M250	CR0130



7	Lateral crankcase cover M250	CR0131
8	Lower crankcase cover M250	CR0132
9	Lower crankcase cover M250	CR0133
10	Rear right lateral crankcase M250	CR0134
11	Front left lateral crankcase M250	CR0135
12	Front right lateral crankcase M250	CR0136
13	Lateral right crankcase cover M250	CR0144
14	Gummy antivibration $\varnothing$ 20x15 M6x15	MO0018
15	Lever lock ELESA 421397	SR0006
16	Support for Rear crankcase M250	SU0204
17	Support for Rear left lateral crankcase M250	SU0205
18	Support for Front left lateral crankcase M250	SU0206
19	Support for Rear right lateral crankcase M250	SU0207
20	Support for Rear left lateral crankcase M250	SU0208
21	Support for rear crankcase lever lock	SU0209
22	Support for rear crankcase antivibration	SU0210
23	Support for crankcase M250	SU0238

**Table 2-34: Spare parts for DT0176**



**2.1.35 DT0203 - SCHEDULE FOR SINGLE PULLEY M250**

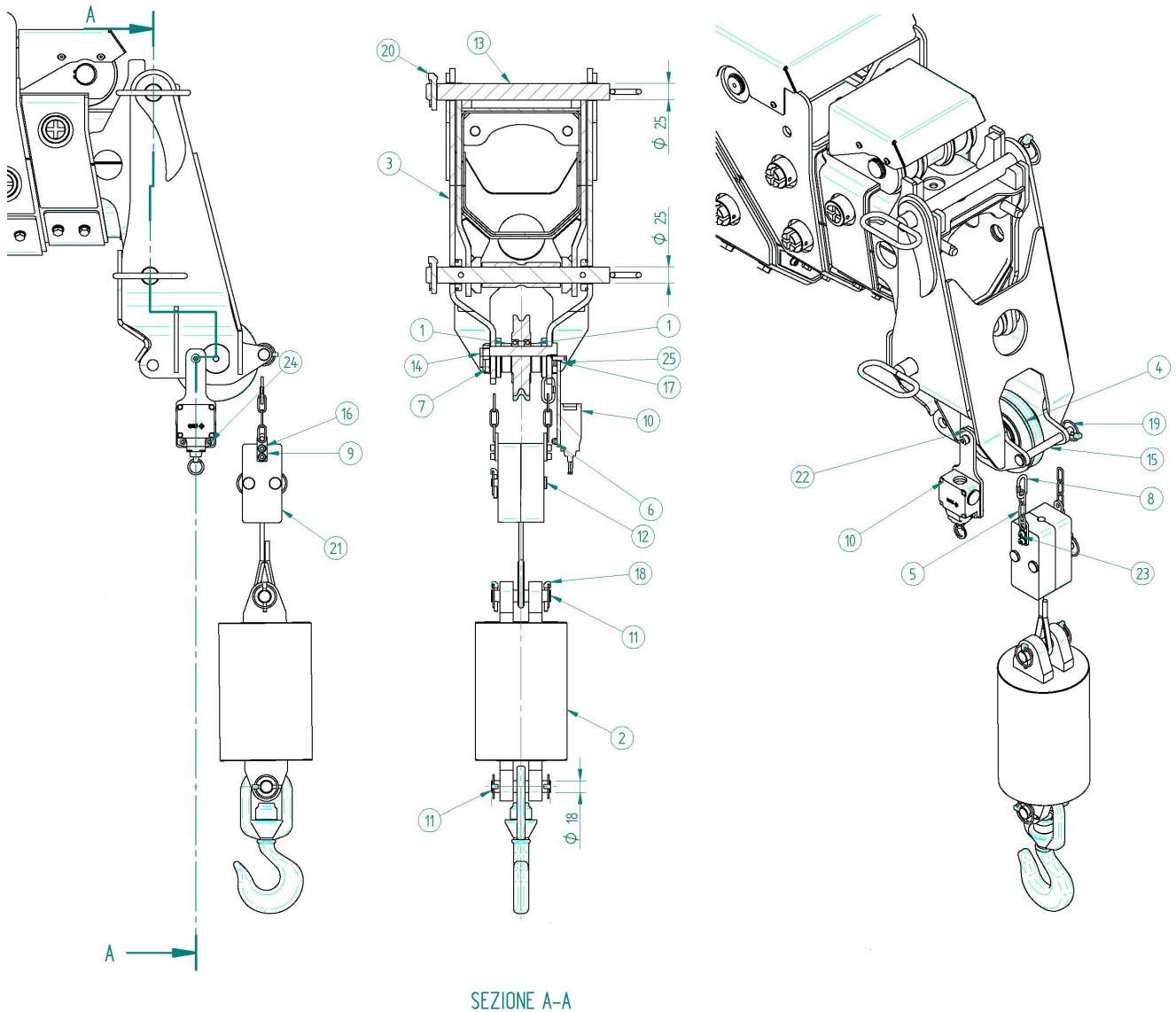


Fig. 2-35: Assembly drawing DT0203

No.	Description	Code
1	Bush spacer for single line pulley	BC0119
2	Simple layer block	BZ0002
3	3/4 pulley Upper block	BZ0003
4	Pulley for 7 and 8 mm rope with bearing	CE0016KIT
5	Chain diam. 2,5	CT0001
6	Self-locking nut M5 UNI 7473 ZN	DD0015
7	Self-braking ring type GUK M30x1,5	GH0006
8	Snap-hook with screw 40mm ZN	GL0005
9	Steel plate	LM0467



No.	Description	Code
10	Pizzato Micro switch FL576	MI0048
11	pin for lower winch block	PR0013
12	Pin	PR0017
13	pin for jib boom. Diam. 25	PR0025
14	Pin for 3 pulley lower block. Diam. 35mm	PR0067
15	pin 12X110 anti-pulley	PR0068
16	washer SCHNORR S6	RO0004
17	Washer SCHNORR S8 ZN	RO0008
18	Snap plug D5 SN050A (ISI)	SP0001
19	Snap plug D4.5 SN045A	SP0002
20	Snap plug D8 SN080A	SP0003
21	Support	SU0033
22	Micro-switch plate	SU0168
23	Screw TCEI M6x26 UNI5931 CL.8.8 ZN	VT0002
24	Screw TCEI M5x20 UNI 5931 CL.8.8 ZN	VT0039
25	Screw TCEI M8x14 UNI5931 CL.8.8 ZN	VT0114

**Table 2-35: Spare parts for DT0203**

**2.1.36 DT0203A - SCHEDULE FOR SINGLE LINE PULLEY WITHOUT LOWER COUNTERBLOCK M250**

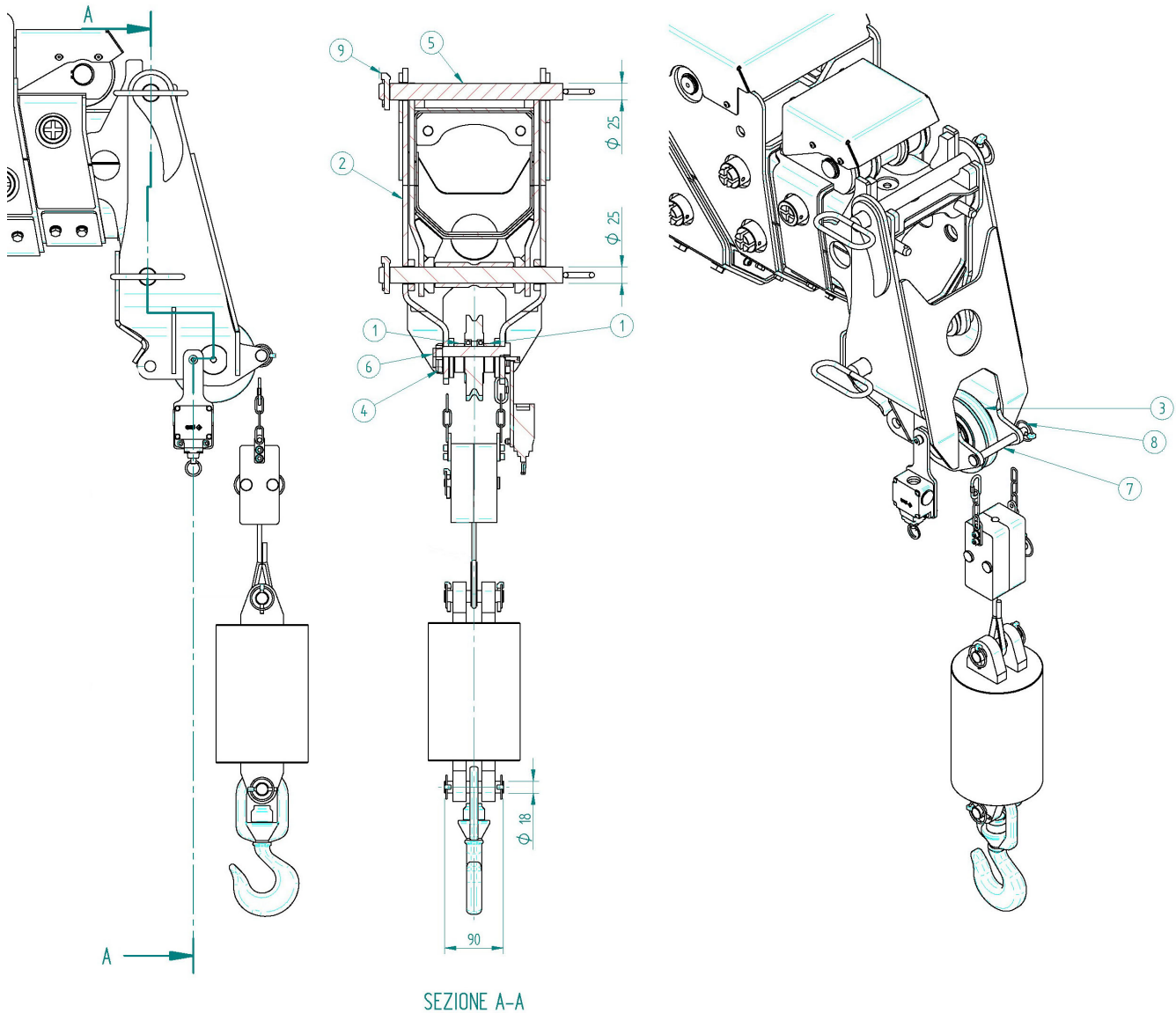


Fig. 2-36: Assembly drawing DT0203A

No.	Description	Code
1	Bush spacer for single line pulley	BC0119
2	3/4 pulley Upper block	BZ0003
3	Pulley for 7 and 8 mm rope with bearing	CE0016KIT
4	Self-braking ring type GUK M30x1,5	GH0006
5	Pin for jib boom. Diam. 25	PR0025
6	Pin for 3 pulley lower block. Diam. 35mm	PR0067
7	Pin 12X110 anti-pulley	PR0068
8	Snap plug D4.5 SN045A	SP0002
9	Snap plug D8 SN080A	SP0003

Table 2-36: Spare parts for DT0203A