



Spare Parts Catalogue

Spare parts catalogue **CR199015** - Revision: **0**

Valid for product serial no. **12760**

MAS8000

Drawworks

DRILLMEC S.p.A.
Drilling Technologies
a **TREVIGROUP** company

12, Via 1 Maggio
I-29027 Gariga di Podenzano
PIACENZA (Italy)

Corporate web site: <http://www.drillmec.com>
E-Mail: info@drillmec.com
Phone: +39.0523.354211
Fax: +39.0523.524418

Customer Care & Spare Parts Service
Service & Parts Online Center: <http://spl.web.trevispa.com>
E-Mail: onlineservice@drillmec.com
Phone: +39.0523.354211
Fax: +39.0523.524418

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Introduction

This catalogue has been designed to help you identify, locate and order replacement parts and to check the assembly position of the spare parts in stock.

- The catalogue contains instructions for consultation and ordering spare parts, the search indexes and the spare parts drawings themselves.
- Each machine is divided into several functional groups or assemblies and each functional group is in turn composed of one or more spare parts drawings, depending on its complexity.
- The index of functional groups or assemblies is therefore the main search key you should use to locate the illustration you want and the specific part you require.
- For further information, please contact the DRILLMEC Customer Service.

Description of spare parts drawings (legend)

- A. Machine model name.
- B. Machine serial number.
- C. Code of spare parts catalogue.
- D. Revision index of spare parts catalogue and related updating date.
- E. Description of functional group.
- F. Functional group number.
- G. Description of spare parts drawing.
- H. Code of spare parts drawing.
- I. Revision index of spare parts drawing and related updating date.
- J. Spare parts drawing (exploded drawing, technical drawing or photograph) complete with position numbers and references.
- K. "Position" column: indicating the position numbers of the parts illustrated.
- L. "Code" column: giving the DRILLMEC code numbers that uniquely identify the replacements parts.
- M. "Quantity" column: giving the exact quantities of the parts shown in the illustration.
- N. "Description" column: giving the short names of the replacements parts.
- O. "Note" column: giving brief information related the item (also by means of symbols).
- P. Symbol () associated with a spare part temporarily without part number: to identify the part you must specify on the order the "code of spare parts drawing" (H) complete with the "revision index" (I) and the position number of the spare part.
- Q. Symbol (★) associated with a spare part represented in detail in the spare part drawing identified with the code.
- R. Date of print of the document.



Functional group: Pull-down rope group
Pull-down rope - winch

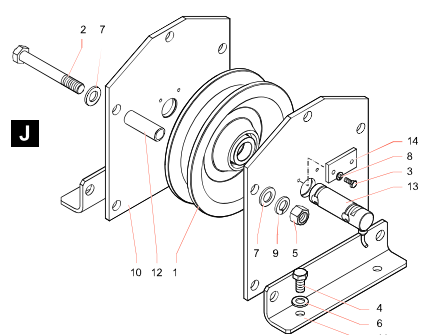
G55 Serial no. 0000

Functional Group Number **10**

Spare Parts Catalogue CR000000 Revision: 0 (1/2008)

Table Number **00000000 - 1**

Revision **0** (00-2008)



Position	Part Number	Quantity	Description	Notes
1	50740028	1	Hydraulic motor	-
2	70911219	1	Elastic washer	-
3	70371208	2	Screw	-
4	01652380	2 kg	Lubricating oil	-
5	70911627	4	Elastic washer	-
6	25	4	Pin	-
7	40270263	3	Reduction gear	-
8	01655018	2	Cover	-
9	70350803	2	Screw	-
10	70900818	1	Washer	-
11	01640717	1	Pull-down winch drum	-
12	70620117	1	Nut	-
13	40960042	2	Wedge	-
14	01658249	2	Nut	-
15	41000107	4 m	Rope	-
16	01658257	6	Intermediate element for counterweight	★ 05465436-1
17	70352012	4	Screw	-
18	40930002	2	Sheckle	-
19	01652381	2	Pin	-
20	70912033	1	Elastic washer	-
21	70901630	8	Screw	-
22	01652382	4	Nut	-
23	01652383	2		-

IMPORTANT NOTICE: Before using this information please check if updated releases has been made available on Drillmec Service & Parts Online Center - <http://spl.web.trevispa.com>

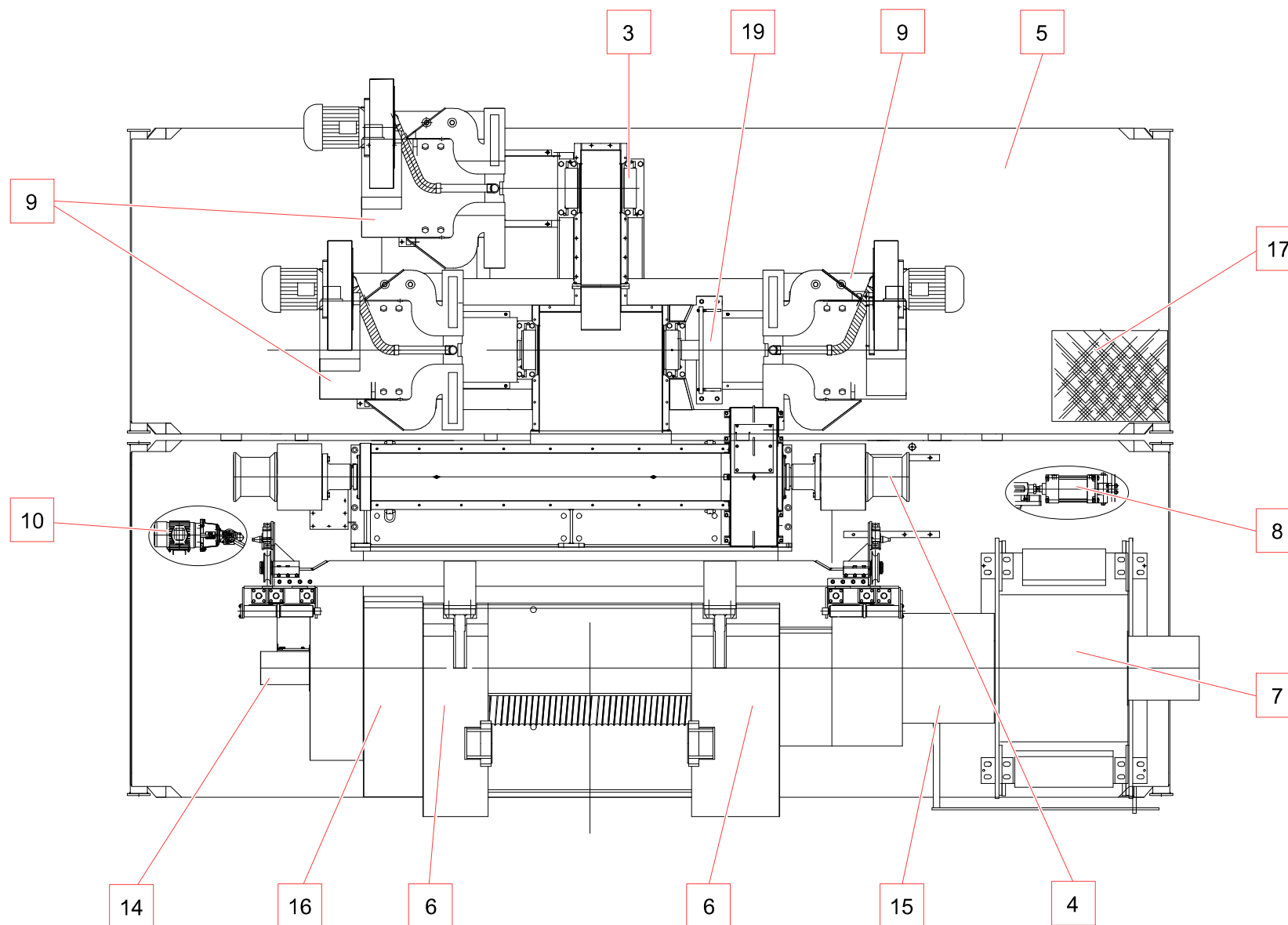
This document was printed on 1 January 2008

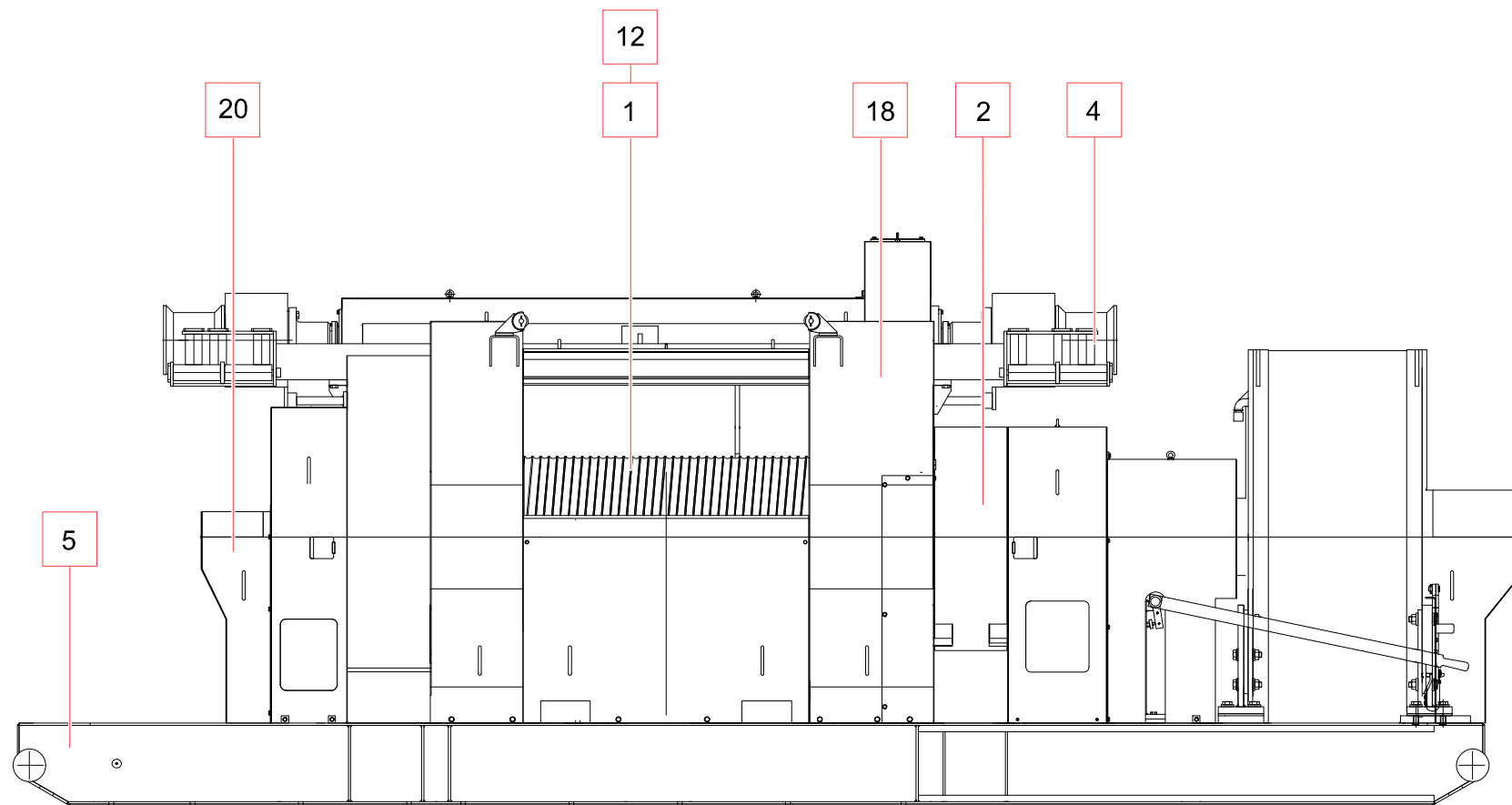
How to order spare parts

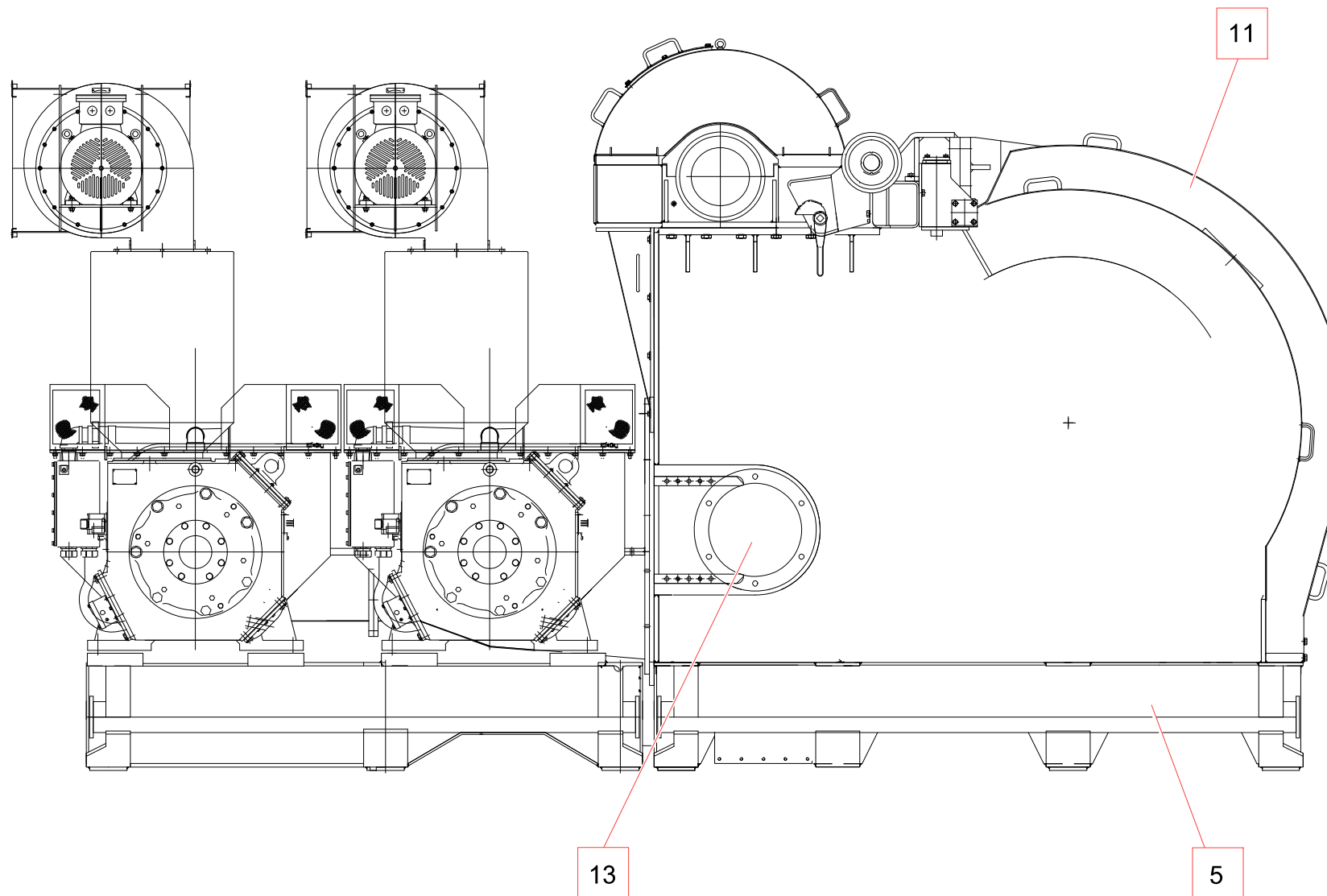
To order spare parts you must provide the DRILLMEC Customer Service with the following information:

- Model and serial number of the machine, plus the spare parts catalogue code and revision number (all of this information is shown on the cover of the catalogue).
- Part number, description and quantity of the spare parts you wish to order.
If any of the parts do not have a part number you must specify the complete code number of the spare parts drawing in which the spare parts appear, together with their position number.
- Company name, full address and telephone number of the party placing the order.
You must also specify the address to which the parts should be sent and the mode of transport/carrier to be used (if this last item of information is not given, DRILLMEC reserves the right to choose the most convenient mode of transport/carrier).

General index of machine functional groups







1 Main drum group

Table	Revision	Description	Notes
01990307 - 1	0 (03-2008)	Water-air rotorseal (off-driller side)	-
01990308 - 1	0 (03-2008)	Water-air rotorseal (driller side)	-
01991254 - 1	0 (11-2011)	Main drum	-

2 Gear countershaft group

Table	Revision	Description	Notes
01990348 - 1	0 (07-2008)	Gear countershaft	-

3 Motors countershaft with inertia brake group

Table	Revision	Description	Notes
01990346 - 1	0 (07-2008)	Motors countershaft with inertia brake	-
01990373 - 1	0 (07-2008)	Motor countershaft	-

4 Cathead countershaft group

Table	Revision	Description	Notes
01990147 - 1	0 (03-2008)	Catheads wire rope guide roller (O.D.S.)	-
01990191 - 1	0 (03-2008)	Catheads wire rope guide roller (D.S.)	-
01990193 - 1	0 (03-2008)	Wire rope brake (D.S.)	-
01990194 - 1	0 (03-2008)	Wire rope brake (O.D.S.)	-
01990349 - 1	0 (07-2008)	Cathead countershaft	-

4 Cathead countershaft group

Table	Revision	Description	Notes
01990349 - 2	0 (07-2008)	Cathead countershaft	-
01990362 - 1	0 (07-2008)	Cathead frame	-
01990363 - 1	0 (07-2008)	Cathead guard	-

5 Drawworks main frame group

Table	Revision	Description	Notes
01990366 - 1	0 (07-2008)	Rear frame	-
01990372 - 1	0 (07-2008)	Cover	-
01990375 - 1	0 (07-2008)	Guard for transport	-
01990376 - 1	0 (07-2008)	Guard	-
01990379 - 1	0 (11-2011)	Main frame	-
01991250 - 1	0 (11-2011)	Motors countershaft	-
01991269 - 1	0 (11-2011)	Engine frame	-

6 Main drum brake group

Table	Revision	Description	Notes
01990353 - 1	0 (07-2008)	Main drum brake	-

7 Auxiliary brake installation group

Table	Revision	Description	Notes
01990283 - 1	0 (03-2008)	Auxiliary brake manual control	-

7 Auxiliary brake installation group

Table	Revision	Description	Notes
01991233 - 1	0 (11-2011)	Auxiliary brake installation	-

8 Gear countershaft group

Table	Revision	Description	Notes
01990172 - 1	0 (03-2008)	Lever support	-
01990350 - 1	0 (07-2008)	Gear control lever	-

9 Electric motors installation group

Table	Revision	Description	Notes
01991225 - 1	0 (11-2011)	Electric motors installation	-

10 Lubricating pump installation group

Table	Revision	Description	Notes
01990381 - 1	0 (04-2009)	Lubricating pump installation	-

11 Casing main frame group

Table	Revision	Description	Notes
01990187 - 1	0 (03-2008)	Guard	-
01990309 - 1	0 (03-2008)	Labyrinth	-
01990347 - 1	0 (11-2011)	Casing main frame	-

11 Casing main frame group

Table	Revision	Description	Notes
01990347 - 2	0 (11-2011)	Casing main frame	-
01990347 - 3	0 (11-2011)	Casing main frame	-
01990368 - 1	0 (07-2008)	Guard	-
01990369 - 1	0 (07-2008)	Guard	-
01990385 - 1	0 (07-2008)	Wire rope pressure roller	-

12 Crown block saver group

Table	Revision	Description	Notes
01990295 - 1	0 (03-2008)	Twin-stop block protector installation	-
01990296 - 1	0 (03-2008)	Crown block saver installation	-

13 Drawworks lubricating hydraulic pipe group

Table	Revision	Description	Notes
01990355 - 1	0 (07-2008)	Drawworks lubricating hydraulic pipe	-
01990355 - 2	0 (07-2008)	Drawworks lubricating hydraulic pipe	-

14 Brake cooling system group

Table	Revision	Description	Notes
01990356 - 1	0 (07-2008)	Brake cooling system	-

15 Grease system group

Table	Revision	Description	Notes
01990357 - 1	0 (07-2008)	Grease system	-

16 Roller chain group

Table	Revision	Description	Notes
01990358 - 1	0 (07-2008)	Roller chain	-
01990370 - 1	0 (07-2008)	Roller chain tension device	-

17 Platforms group

Table	Revision	Description	Notes
01991270 - 1	0 (11-2011)	Platforms	-

18 Hydraulic brake system group

Table	Revision	Description	Notes
01991183 - 1	0 (06-2011)	Hydraulic brake system	-

19 Pneumatic system group

Table	Revision	Description	Notes
01991112 - 1	0 (04-2009)	Pneumatic system	-

20

Encoder application group

Table	Revision	Description	Notes
01985006 - 1	0 (07-2009)	Encoder application	-

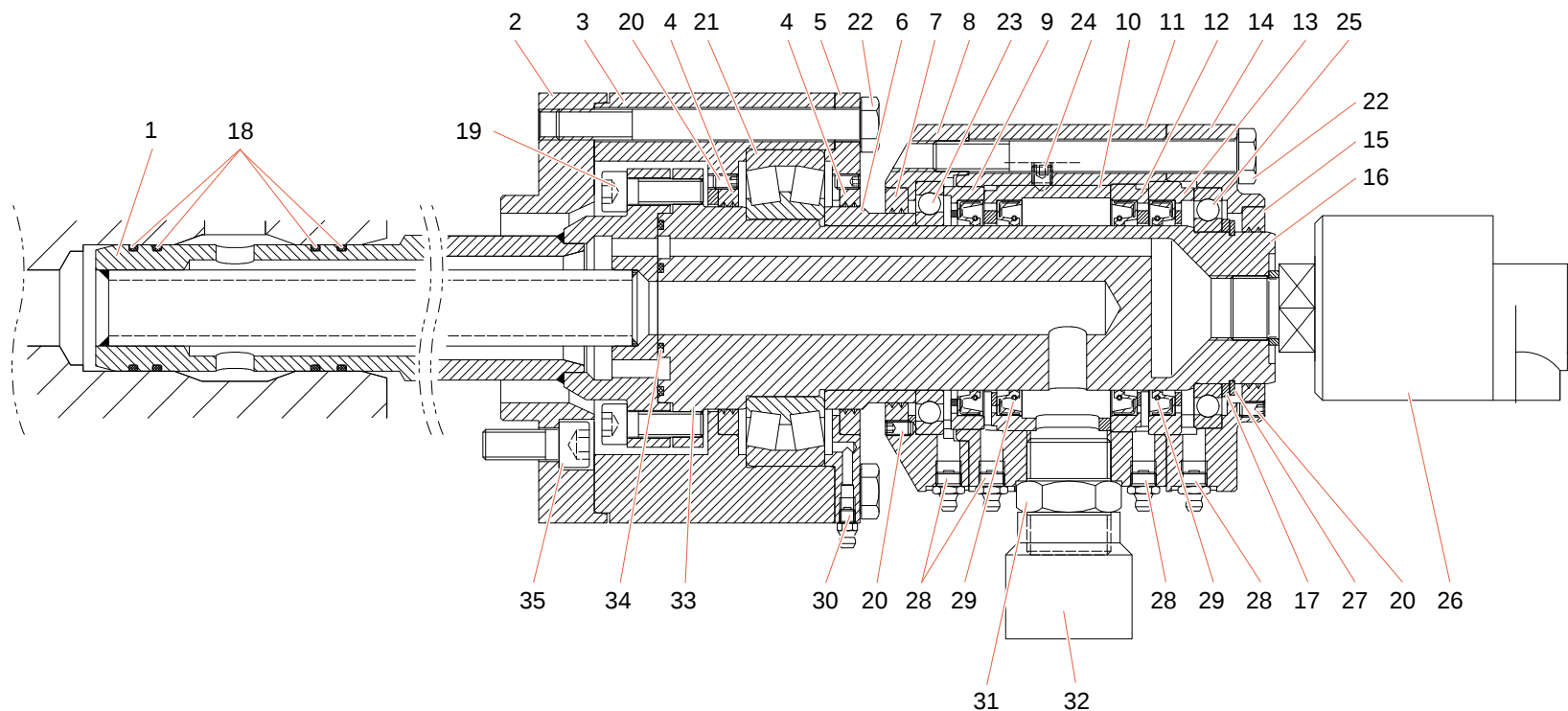
Spare parts drawings listed by functional group



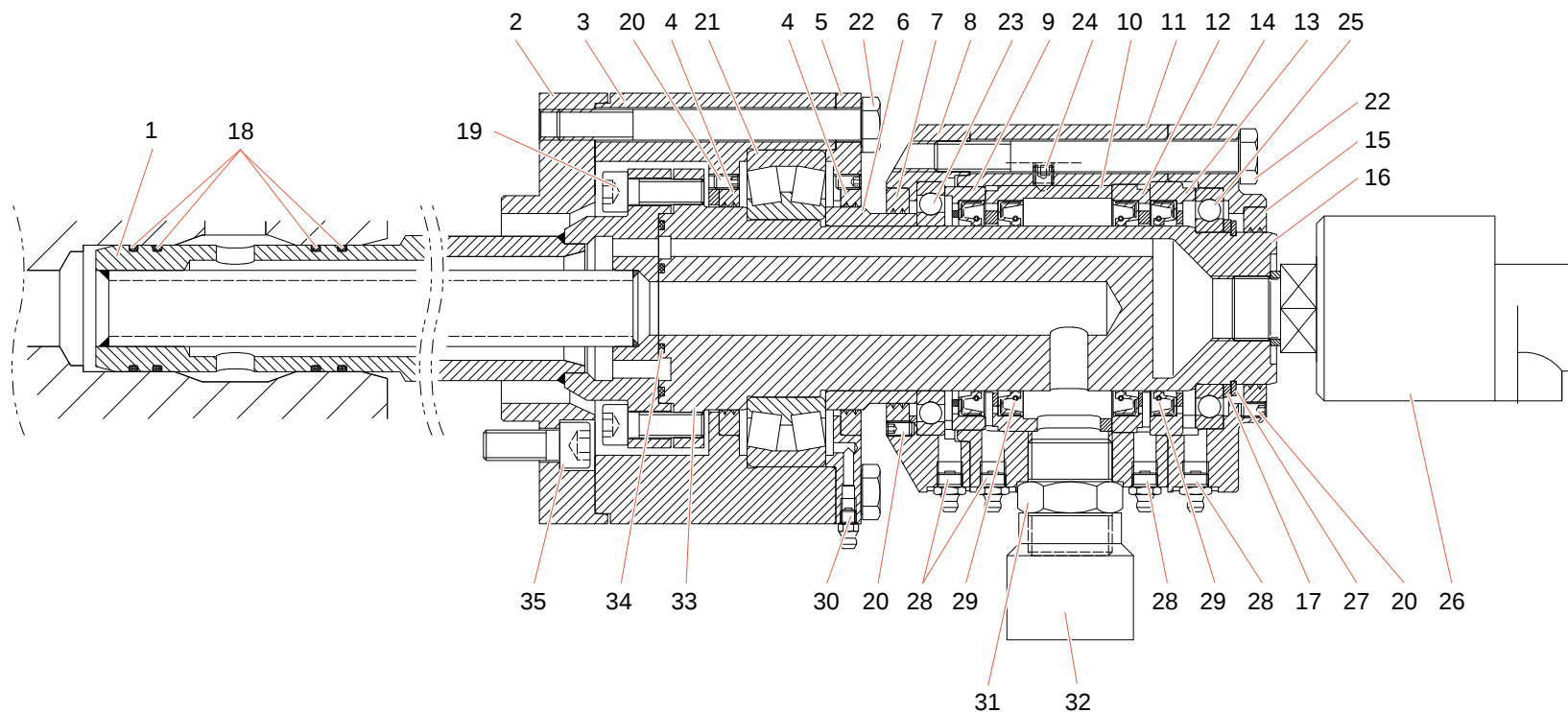
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1 Main drum group

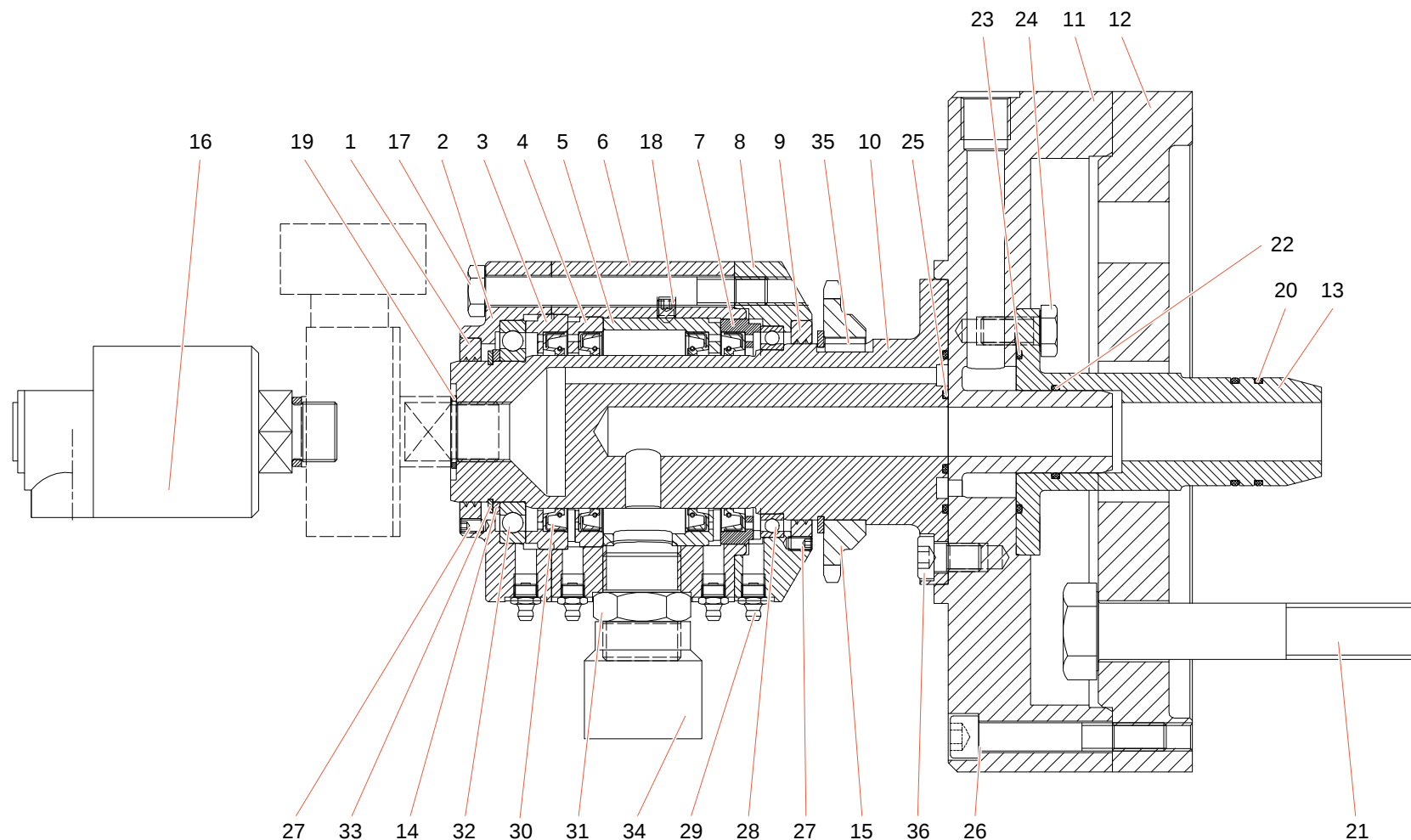
Table	Revision	Description	Notes
01990307 - 1	0 (03-2008)	Water-air rotorseal (off-driller side)	-
01990308 - 1	0 (03-2008)	Water-air rotorseal (driller side)	-
01991254 - 1	0 (11-2011)	Main drum	-



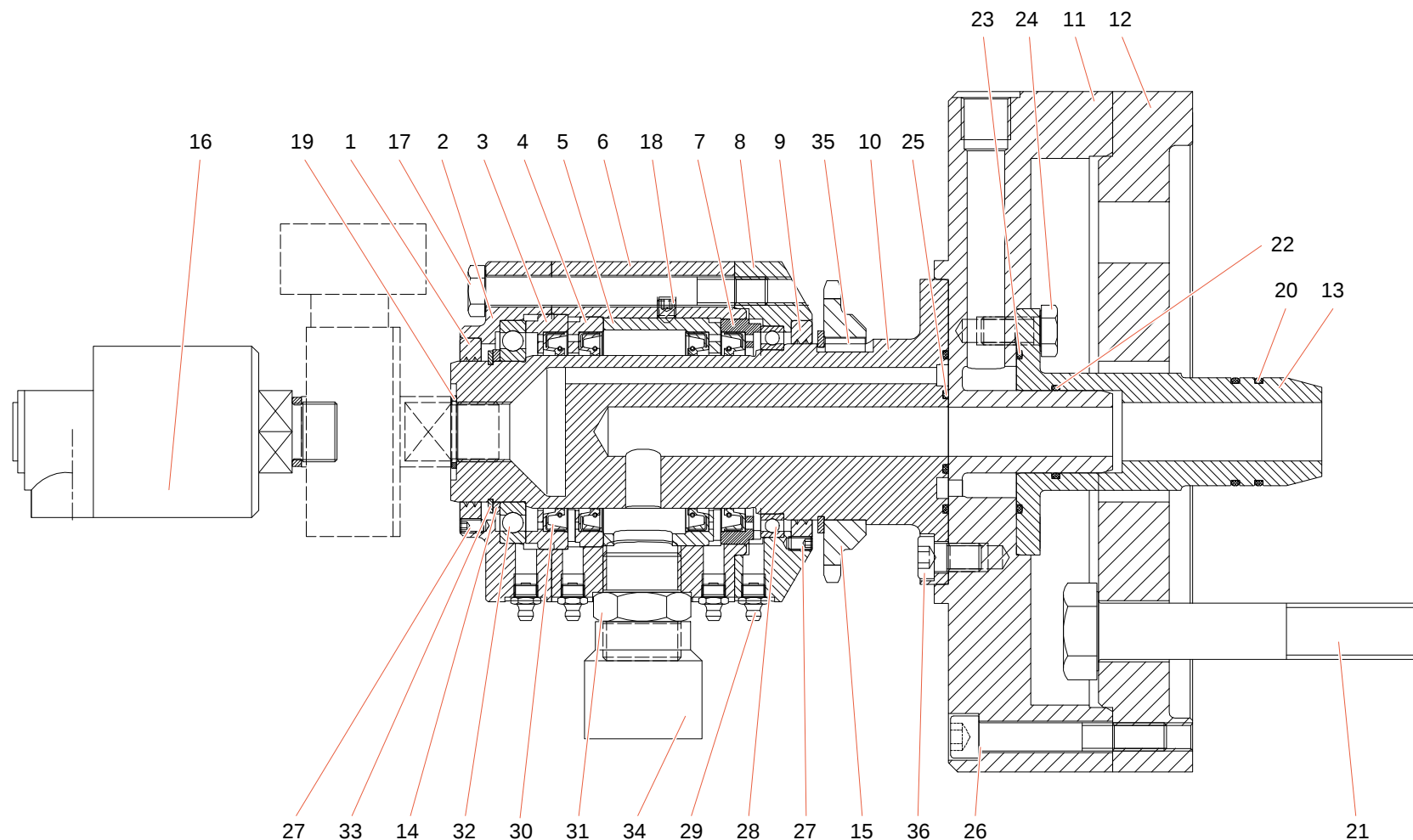
Position	Part Number	Quantity	Description	Notes
1	01991768	1	Joint pipe	-
2	01991770	1	Flange	-
3	01990854	1	Flange	-
4	01990855	2	Sealing ring	-
5	01990856	1	Cover	-
6	01990857	1	Spacer	-
7	01990858	1	Sealing ring	-
8	01990859	1	Cover	-
9	01990860	1	Bushing	-
10	01990861	1	Bushing	-
11	01990862	1	Support	-
12	01990850	1	Bushing	-
13	01990863	1	Bushing	-
14	01990864	1	Cover	-
15	01990865	1	Sealing ring	-
16	01990866	1	Shaft	-
17	01990867	1	Ring	-
18	52103175	4	O-ring	-
19	70371006	6	Screw	-
20	70460602	4	Headless screw	-
21	61160085	1	Bearing	-
22	70311224	8	Screw	-
23	61080077	1	Bearing	-
24	70490802	1	Headless screw	-
25	61080050	1	Bearing	-
26	50640841	1	Socket	-
27	70590060	1	Retaining ring	-
28	61000005	4	Greasing nipple	-
29	52080130	4	Oil retainer	-
30	61000001	1	Greasing nipple	-
31	50590007	1	Pipe fitting	-
32	50940292	1	Reduction adapter	-
33	52103243	1	O-ring	-



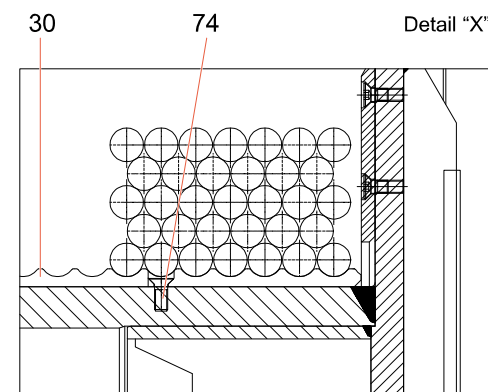
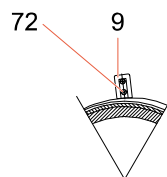
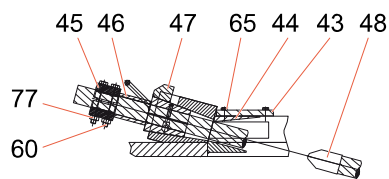
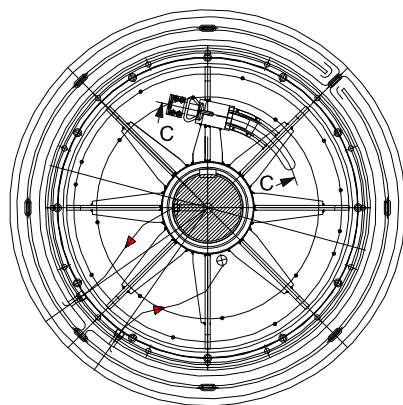
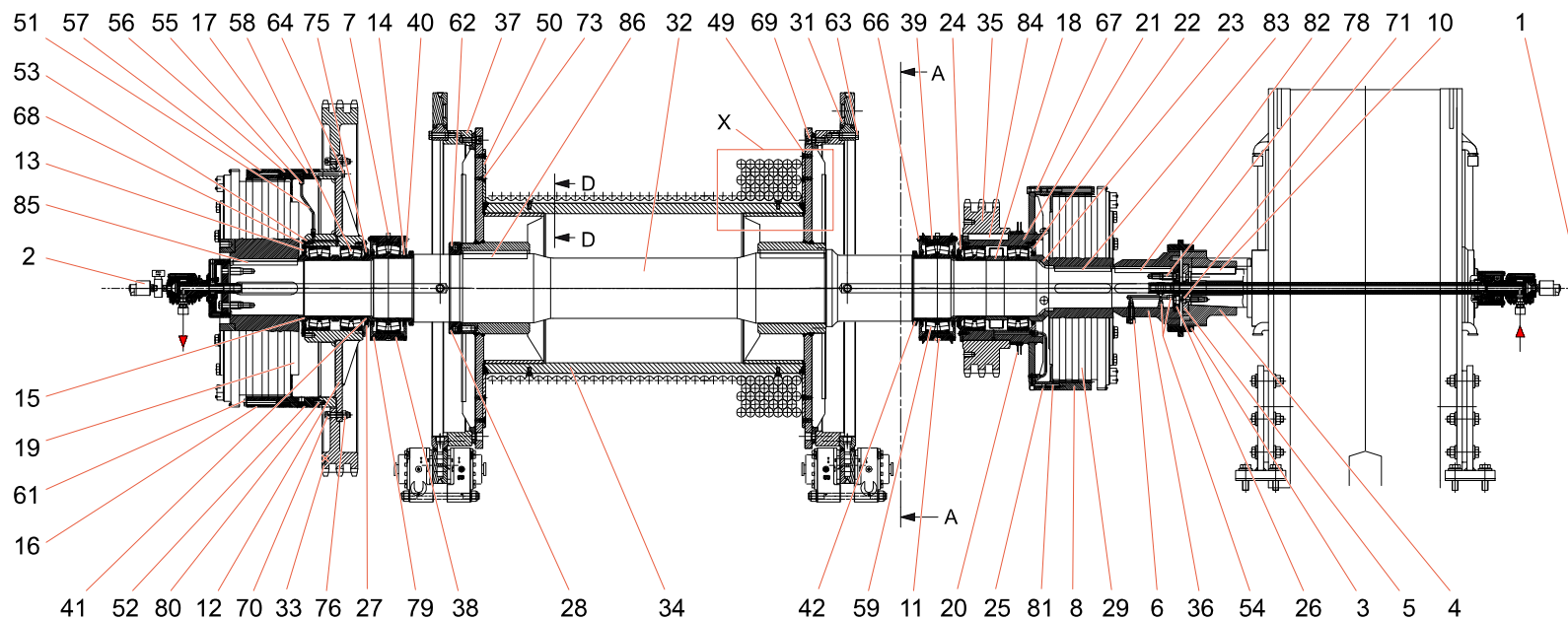
Position	Part Number	Quantity	Description	Notes
34	52103112	1	O-ring	-
35	70410061	4	Screw	-



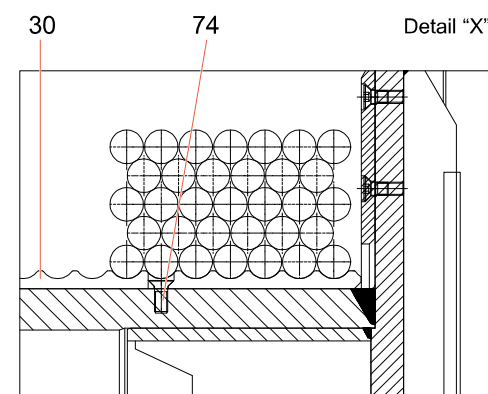
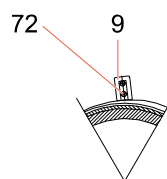
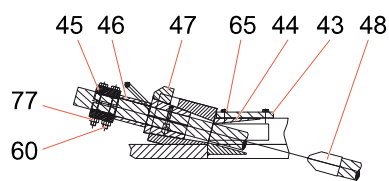
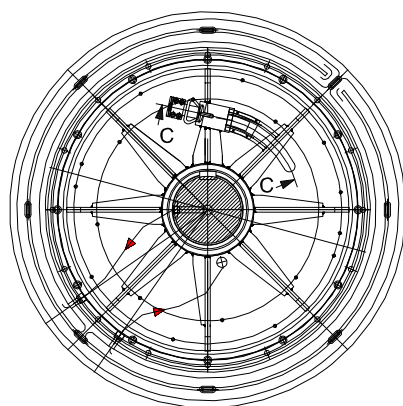
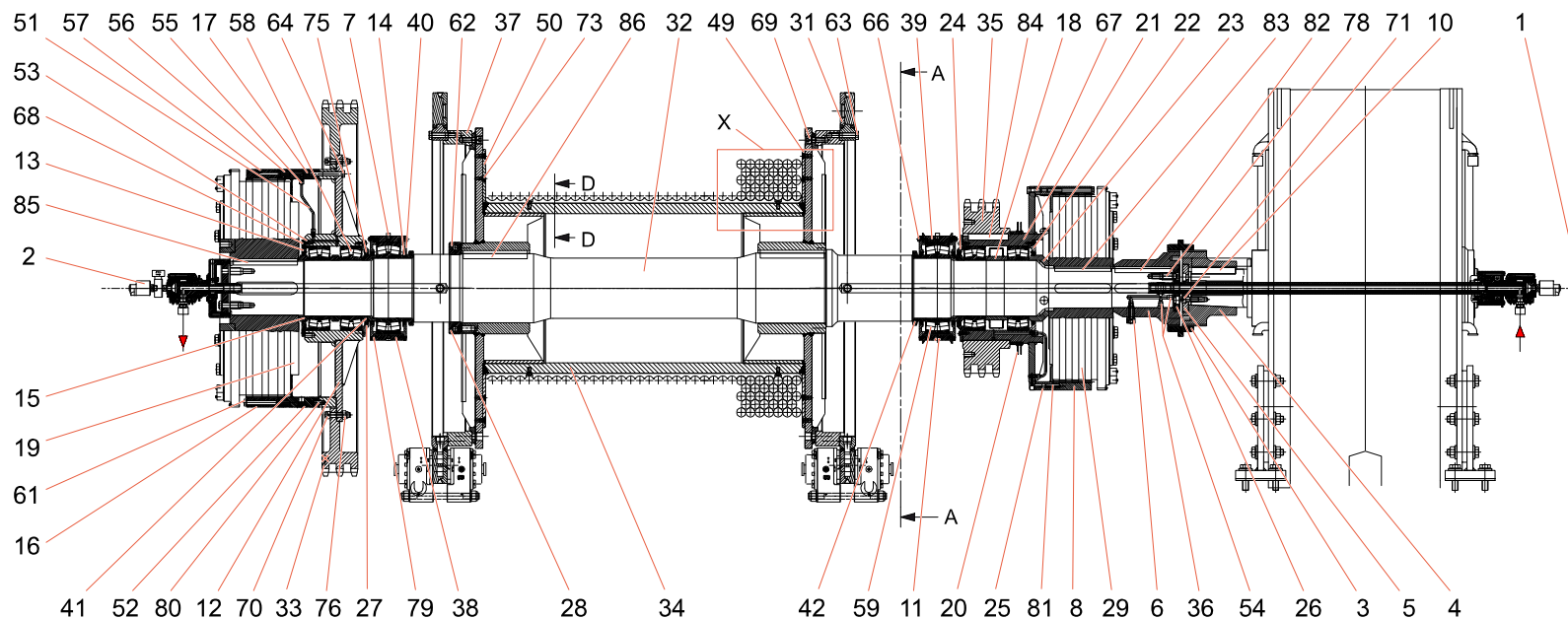
Position	Part Number	Quantity	Description	Notes
1	01990865	1	Sealing ring	-
2	01990864	1	Cover	-
3	01990863	1	Bushing	-
4	01990850	1	Bushing	-
5	01990861	1	Bushing	-
6	01990862	1	Support	-
7	01990868	1	Bushing	-
8	01991009	1	Cover	-
9	01990858	1	Sealing ring	-
10	01991015	1	Shaft	-
11	01991709	1	Flange	-
12	01991710	1	Cover	-
13	01991013	1	Hub	-
14	01990867	1	Ring	-
15	01991038	1	Gear	-
16	50640841	1	Socket	-
17	70311224	4	Screw	-
18	70460802	1	Headless screw	-
19	52020026	1	Retaining washer	-
20	52103156	2	O-ring	-
21	70312428	6	Screw	-
22	52103137	1	O-ring	-
23	52103243	2	O-ring	-
24	70351205	1	Screw	-
25	52103112	1	O-ring	-
26	70371216	6	Screw	-
27	70460602	2	Headless screw	-
28	61080043	1	Bearing	-
29	61000005	4	Greasing nipple	-
30	52080130	4	Oil retainer	-
31	50590007	1	Pipe fitting	-
32	61080050	1	Bearing	-
33	70590060	1	Retaining ring	-



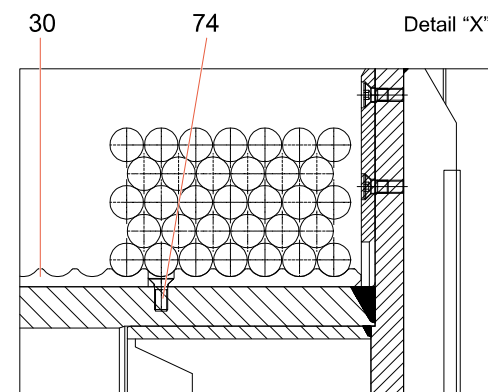
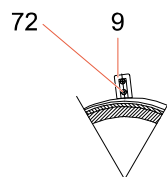
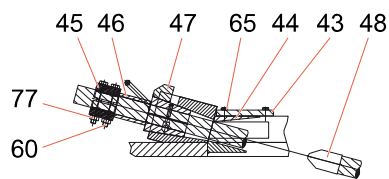
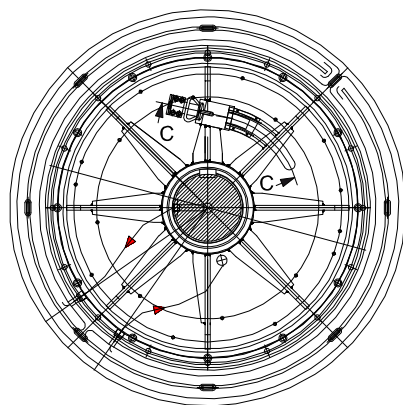
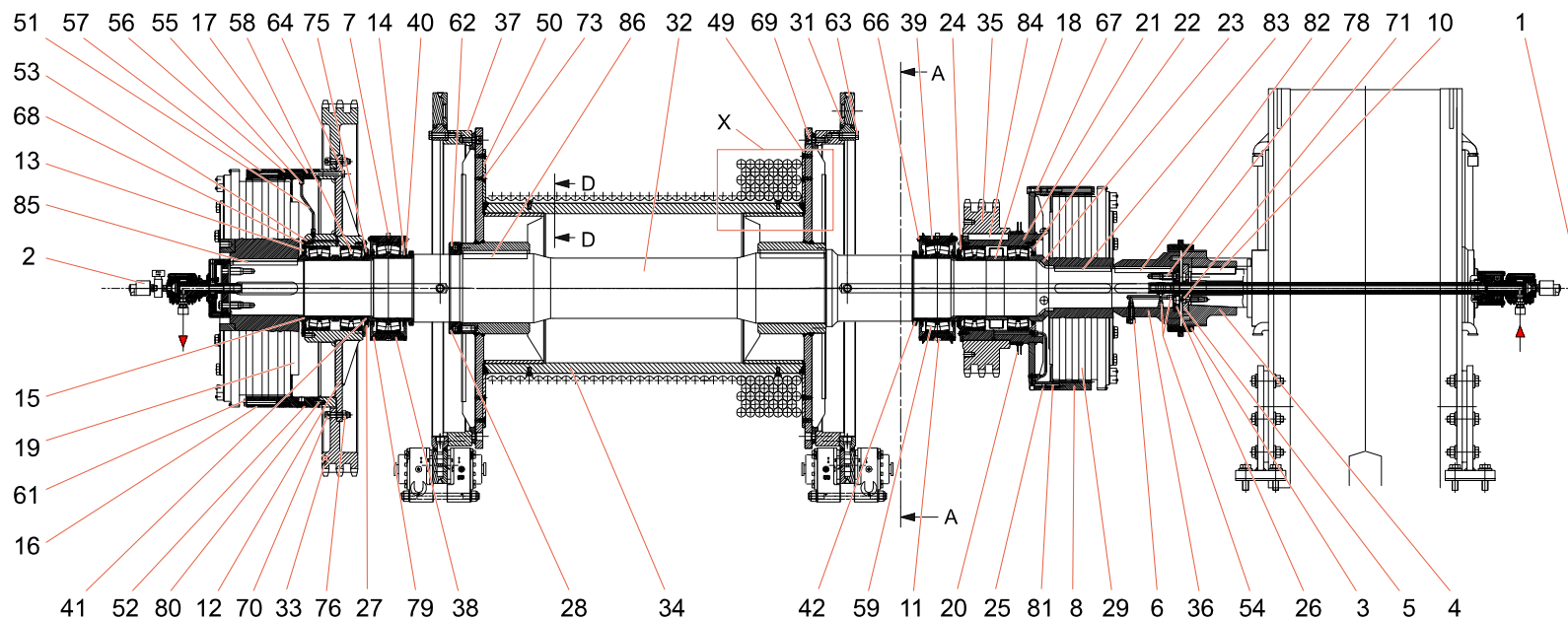
Position	Part Number	Quantity	Description	Notes
34	50940292	1	Reduction adapter	-
35	71070604	1	Tang	-
36	70371205	4	Screw	-



Position	Part Number	Quantity	Description	Notes
1	01990307	1	Water/air swivel joint (o.d.s.)	★ 01990307-1
2	01990308	1	Water/air swivel joint (d.s.)	★ 01990308-1
3	01990799	1	Coupling	-
4	01990800	1	Half joint	-
5	01991034	1	Flange	-
6	01991051	1	Pipe fitting	-
7	01991052	4	Pin	-
8	01991053	1	Gear	-
9	01991099	2	Plate	-
10	01991413	1	Tang	-
11	01991416	8	Gasket	-
12	01991631	1	Flange	-
13	01991711	1	Flange	-
14	01991712	8	Sealing ring	-
15	01991715	2	Spacer	-
16	01991718	1	Ring	-
17	01991719	1	Spacer	-
18	01991723	1	Spacer	-
19	01991724	1	Clutch	-
20	01991725	1	Labyrinth	-
21	01991726	1	Flange	-
22	01991727	1	Flange	-
23	01991728	1	Spacer	-
24	01991729	1	Flange	-
25	01991730	1	Spacer	-
26	01991762	1	Flange	-
27	01991765	1	Flange	-
28	01991771	1	Ring	-
29	01991779	1	Clutch	-
30	01991827	1	Lebus	-
31	01991843	2	Brake disc	-
32	01991844	1	Main shaft drum	-
33	01991845	1	Gear wheel	-



Position	Part Number	Quantity	Description	Notes
34	01991952	1	Main drum	-
35	01991847	1	Gear wheel	-
36	01991848	1	Half joint	-
37	01991849	2	Brake ring spacer	-
38	01991850	1	Flange	-
39	01991851	1	Flange	-
40	01991852	4	Flange	-
41	01991855	2	Spacer	-
42	01991856	2	Spacer	-
43	01991861	1	Cover	-
44	01991863	1	Segment	-
45	01991973	1	Locking plate	-
46	01991974	1	Spacer	-
47	01991975	1	Locking wire rope	-
48	01991976	1	Wire line cap	-
49	01991977	1	Wear disc	-
50	01991978	1	Wear disc	-
51	50030010	0.5 kg.	Pipe	-
52	50520024	2	Plug	-
53	50520035	3	Plug	-
54	50520037	2	Plug	-
55	50590002	4	Pipe fitting	-
56	52102081	1	O-ring	-
57	61000005	4	Greasing nipple	-
58	61160093	4	Bearing	-
59	61160094	2	Bearing	-
60	70311220	4	Screw	-
61	70312044	48	Screw	-
62	70312440	2	Screw	-
63	70312424	32	Screw	-
64	70332030	24	Screw	-
65	70350805	4	Screw	-
66	70351206	48	Screw	-
67	70352011	24	Screw	-



Position	Part Number	Quantity	Description	Notes
68	70371205	16	Screw	-
69	70372414	24	Screw	-
70	70372420	16	Screw	-
71	70410125	4	Screw	-
72	70421206	4	Screw	-
73	70421606	36	Screw	-
74	70421608	52	Screw	-
75	70460802	8	Headless screw	-
76	70612429	16	Self-locking nut	-
77	70661212	4	Nut	-
78	71020514	6	Screw	-
79	71040806	4	Elastic pin	-
80	71042010	13	Elastic pin	-
81	71042014	12	Elastic pin	-
82	71064540	2	Tang	-
83	71064558	2	Tang	-
84	71066340	2	Tang	-
85	71066360	2	Tang	-
86	71068064	2	Key	-

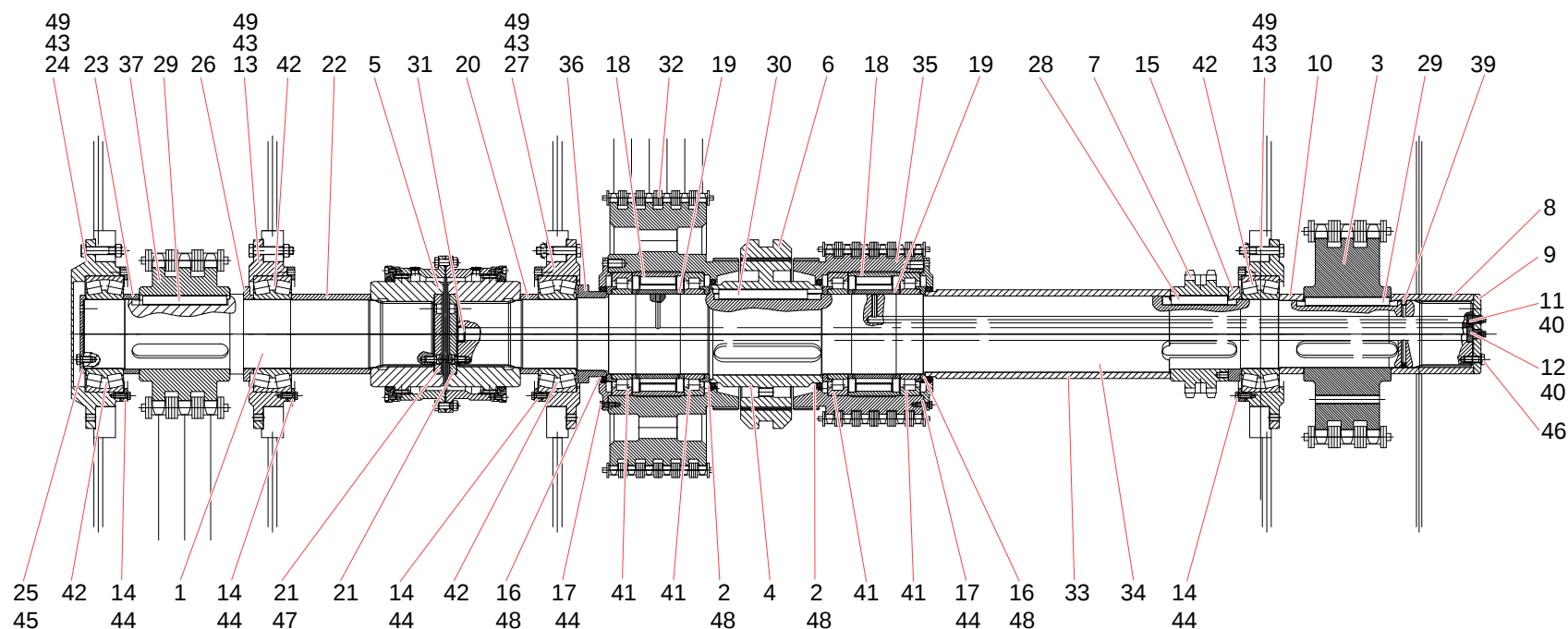


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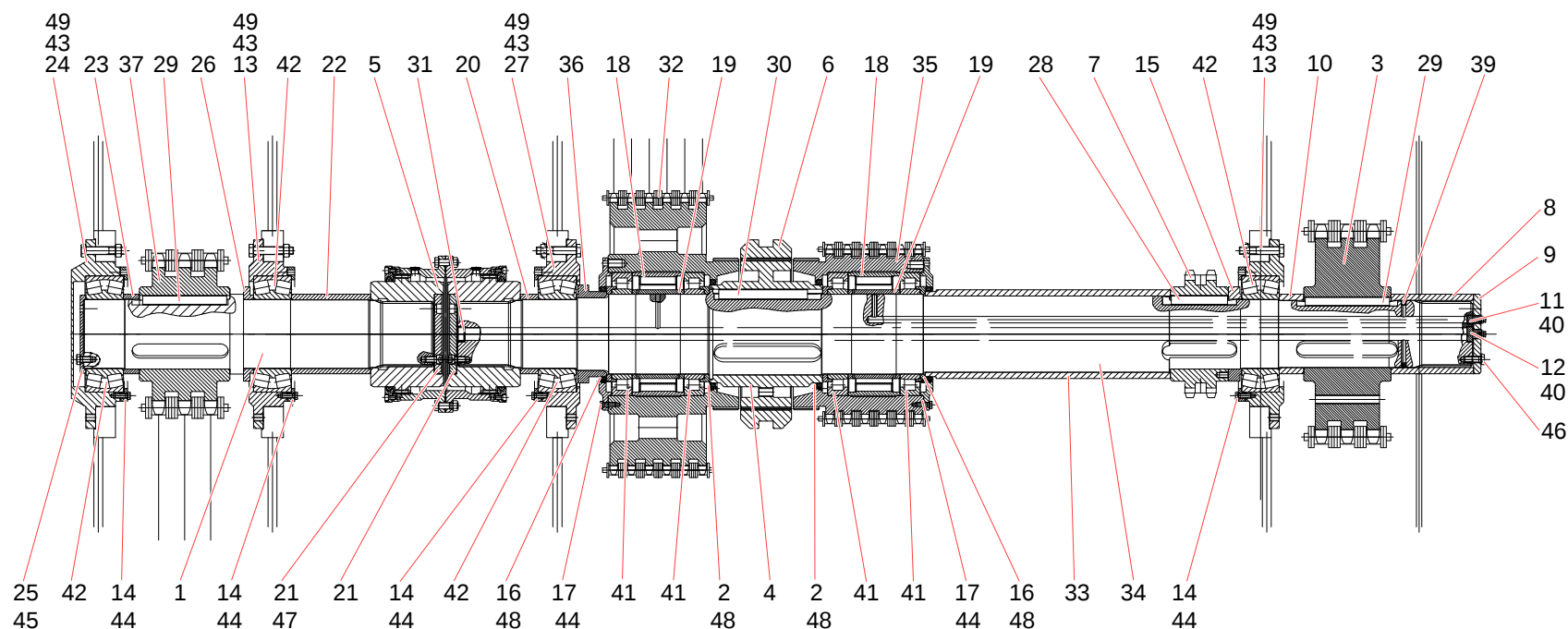
2

Gear countershaft group

Table	Revision	Description	Notes
01990348 - 1	0 (07-2008)	Gear countershaft	-



Position	Part Number	Quantity	Description	Notes
1	01990766	1	Shaft	-
2	01990772	2	Sealing ring	-
3	01991874	1	Gear wheel	-
4	01990781	1	Wheel	-
5	01990784	1	Joint	-
6	01990786	1	Joint	-
7	01990788	1	Z=20 gear	-
8	01990807	1	Spacer	-
9	01990808	1	Cover	-
10	01990809	1	Spacer	-
11	01991897	1	Fitting screw	-
12	01990811	1	Screw	-
13	01990812	2	Ring	-
14	01990813	4	Cover	-
15	01990814	1	Spacer	-
16	01990817	2	Sealing ring	-
17	01990818	2	Cover	-
18	01990819	2	Spacer	-
19	01990824	2	Spacer	-
20	01990828	1	Spacer	-
21	01990829	2	Cover	-
22	01990830	1	Spacer	-
23	01990831	1	Spacer	-
24	01990832	1	Ring	-
25	01990833	1	Cover	-
26	01990834	1	Spacer	-
27	01990835	1	Ring	-
28	01990869	2	Tang	-
29	01990870	4	Tang	-
30	01990998	2	Tang	-
31	01991006	1	Plug	-
32	01991875	1	Gear wheel	-
33	01991876	1	Spacer	-



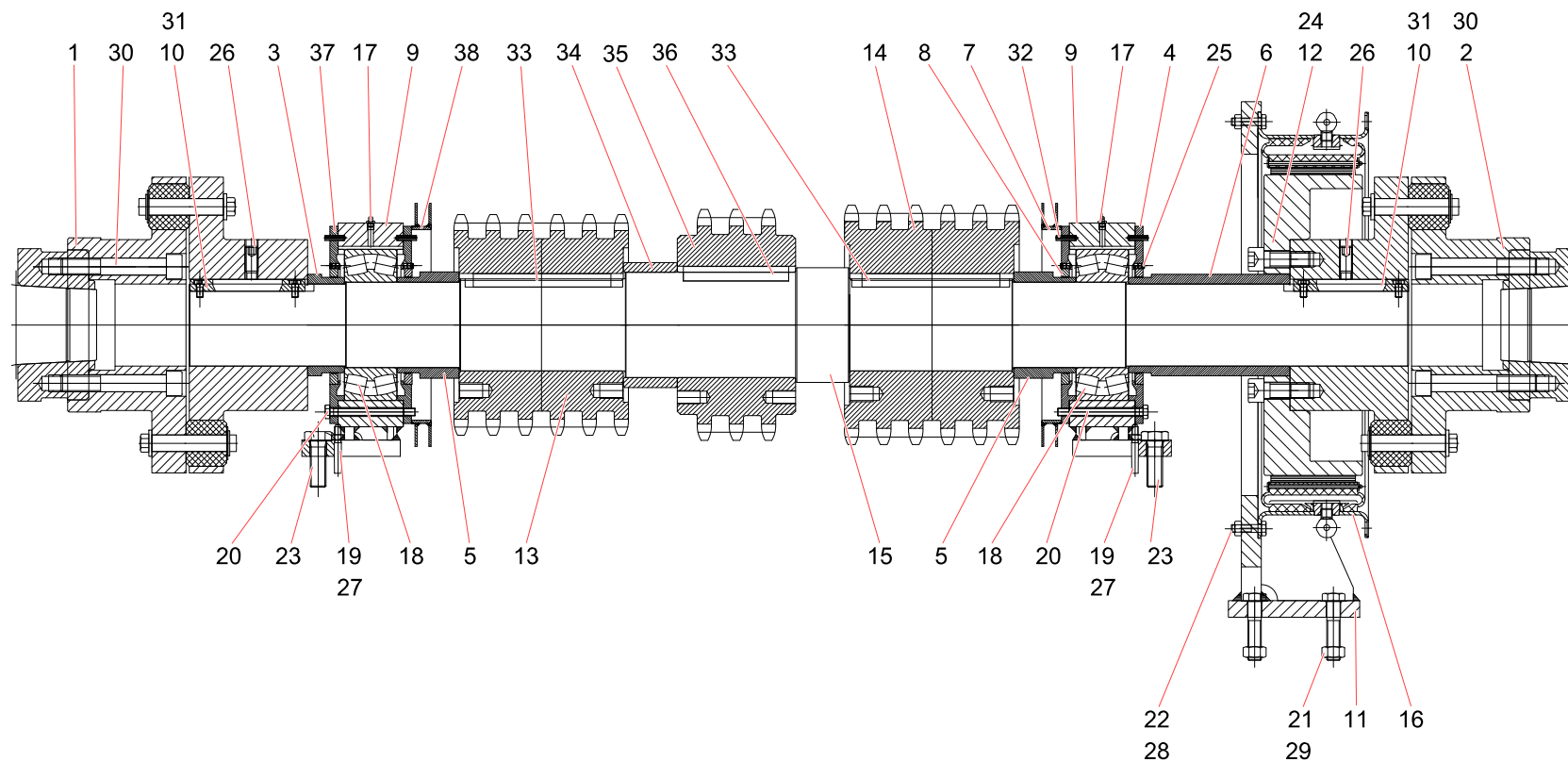
Position	Part Number	Quantity	Description	Notes
34	01991877	1	Gear shift main shaft	-
35	01991878	1	Gear wheel	-
36	01991625	1	Spacer	-
37	01991879	1	Gear wheel	-
39	50520035	2	Plug	-
40	61000005	2	Greasing nipple	-
41	61130059	4	Bearing	-
42	61160058	4	Bearing	-
43	70312022	24	Screw	-
44	70351207	36	Screw	-
45	70351606	4	Screw	-
46	70351609	4	Screw	-
47	70371606	8	Screw	-
48	70460802	4	Headless screw	-
49	70662016	24	Nut	-



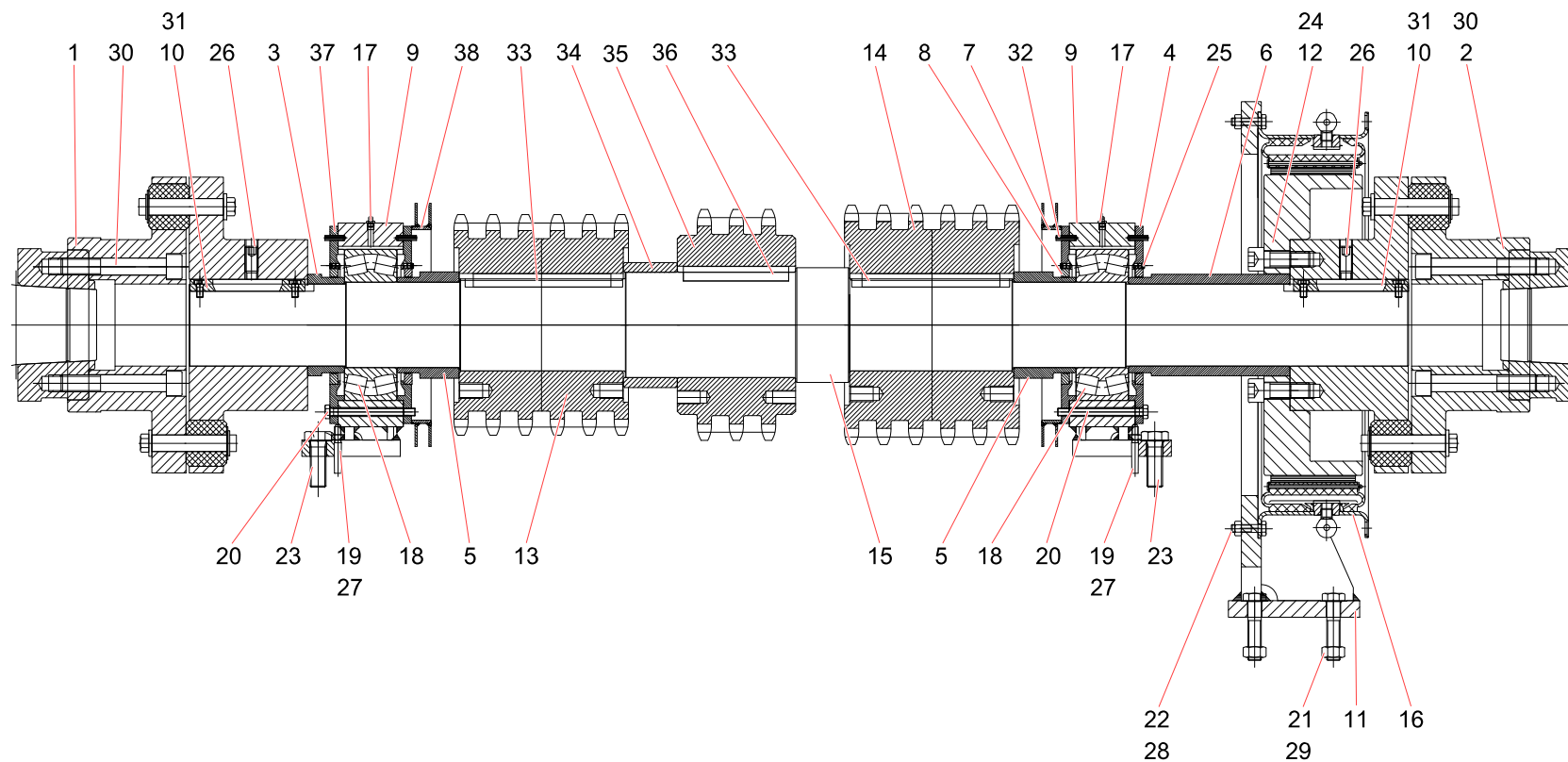
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3 Motors countershaft with inertia brake group

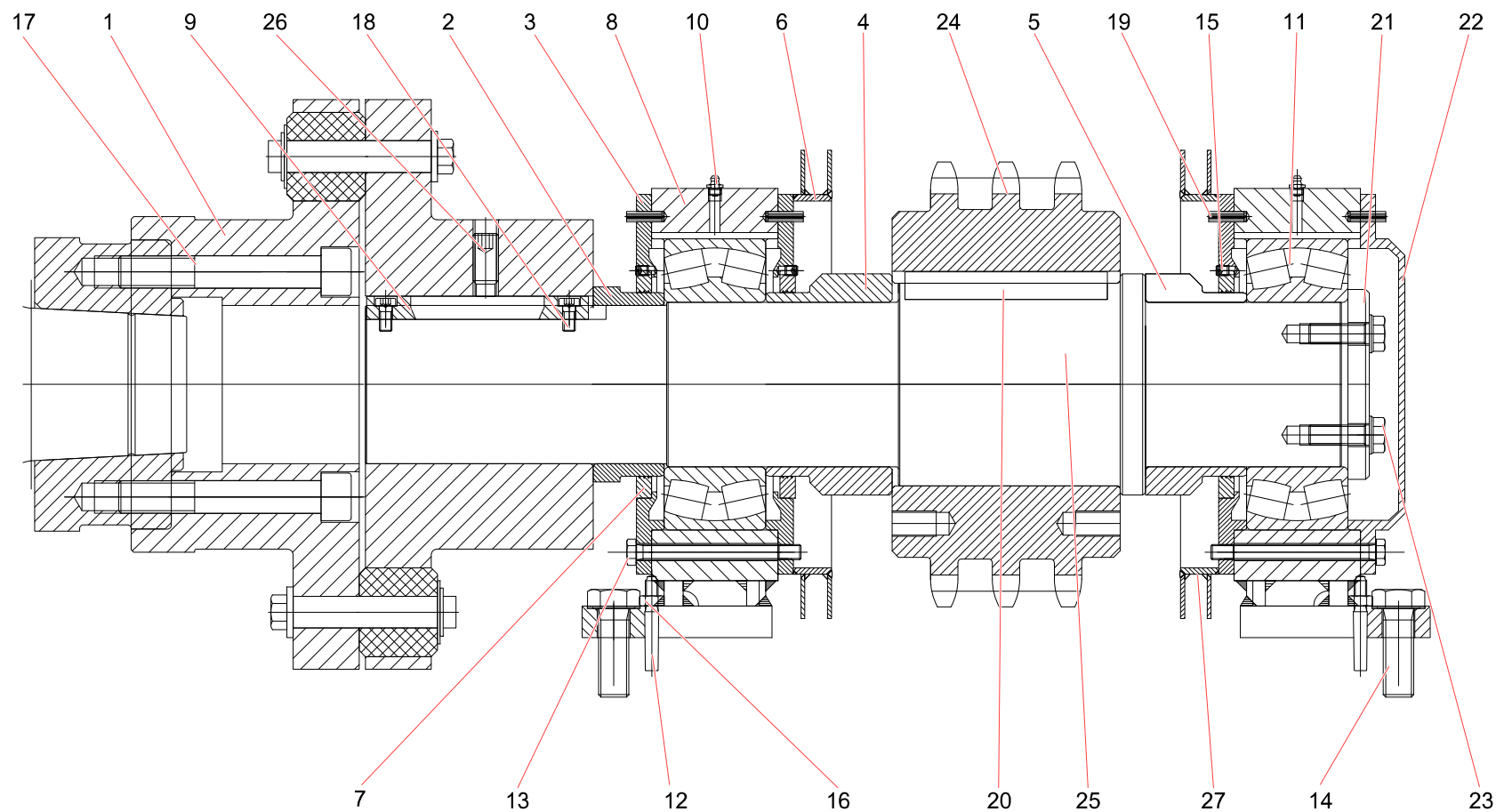
Table	Revision	Description	Notes
01990346 - 1	0 (07-2008)	Motors countershaft with inertia brake	-
01990373 - 1	0 (07-2008)	Motor countershaft	-



Position	Part Number	Quantity	Description	Notes
1	01990783	1	Elastic joint	-
2	01990787	1	Elastic joint	-
3	01990820	1	Spacer	-
4	01990821	1	Cover	-
5	01990822	2	Spacer	-
6	01990823	1	Spacer	-
7	01990825	1	Cover	-
8	01990826	4	Sealing ring	-
9	01991003	2	Support	-
10	01991005	4	Tang	-
11	01991041	1	Support	-
12	01991042	1	Inertial brake drum	-
13	01991880	1	Gear wheel	-
14	01991881	1	Gear wheel	-
15	01991882	1	Driving shaft	-
16	40180025	1	Clutch	α
16.A	RI40180025-01	1	18cb500 friction shoe replacement kit	
17	61000005	2	Greasing nipple	-
18	61070116	2	Bearing	-
19	64022203	4	Pin	-
20	70311226	12	Screw	-
21	70312018	4	Screw	-
22	70351209	12	Screw	-
23	70352412	8	Screw	-
24	70372414	12	Screw	-
25	70460802	41	Headless screw	-
26	70472010	4	Headless screw	-
27	70661008	4	Nut	-
28	70661210	12	Nut	-
29	70662016	4	Nut	-
30	70890143	24	Screw	-
31	71020511	8	Screw	-
32	71040806	4	Elastic pin	-



Position	Part Number	Quantity	Description	Notes
33	71063642	4	Key	-
34	01991884	1	Spacer	-
35	01991883	1	Gear wheel	-
36	71064032	2	Key	-
37	01992803	1	Cover	-
38	01992804	1	Cover	-



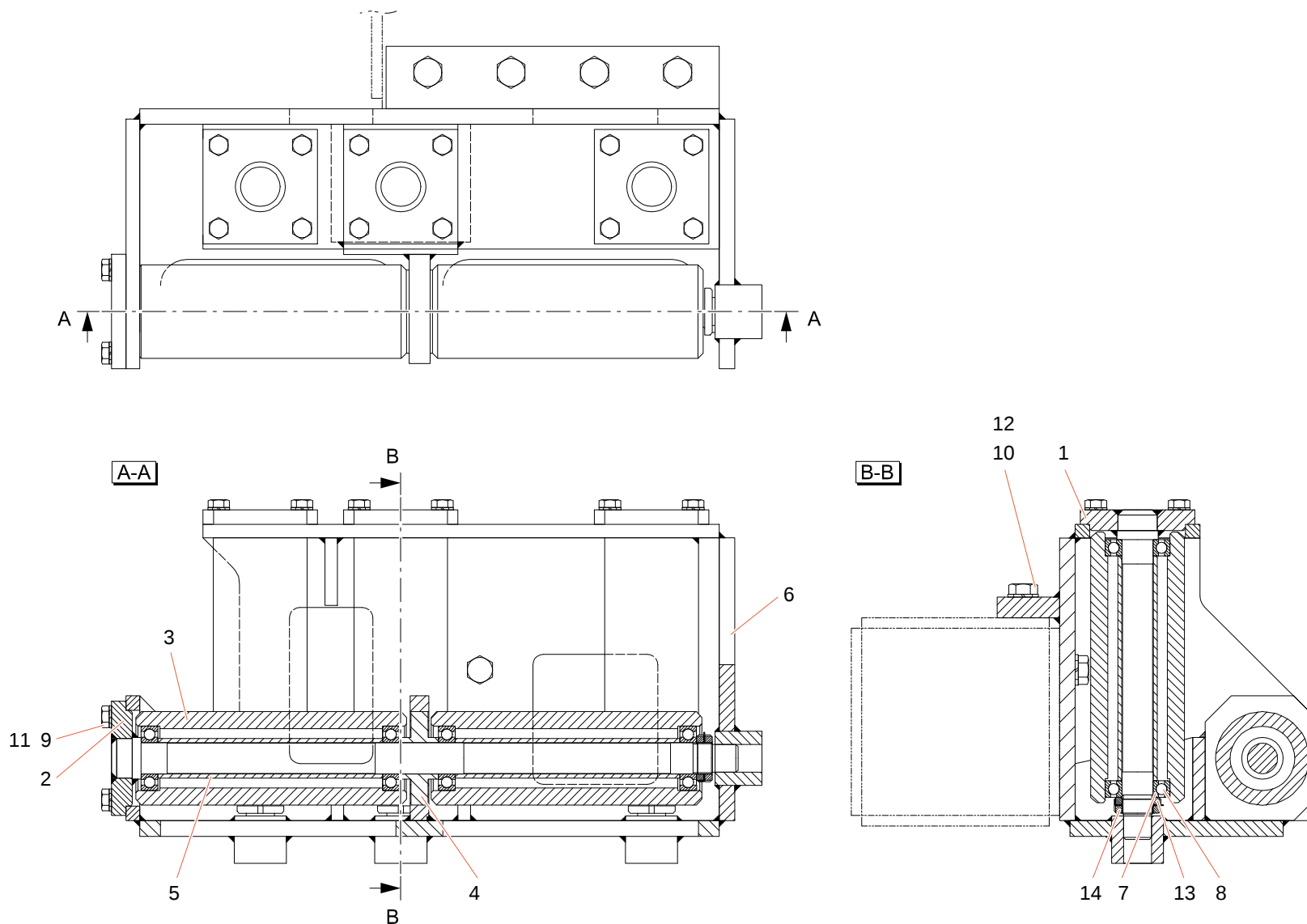
Position	Part Number	Quantity	Description	Notes
1	01990783	1	Elastic joint	-
2	01990820	1	Spacer	-
3	01990821	1	Cover	-
4	01991905	1	Spacer	-
5	01991906	1	Spacer	-
6	01990825	1	Cover	-
7	01990826	3	Sealing ring	-
8	01991003	2	Support	-
9	01991005	2	Tang	-
10	61000005	2	Greasing nipple	-
11	61070116	2	Bearing	-
12	64022203	4	Pin	-
13	70311226	12	Screw	-
14	70352412	8	Screw	-
15	70460802	3	Headless screw	-
16	70661008	4	Nut	-
17	70890143	12	Screw	-
18	71020511	4	Screw	-
19	71040806	3	Elastic pin	-
20	71064032	2	Key	-
21	01991885	1	Disc	-
22	01991886	1	Cover	-
23	70351610	4	Screw	-
24	01991883	1	Gear wheel	-
25	01991887	1	Shaft	-
26	70472010	2	Headless screw	-
27	01992804	1	Cover	-



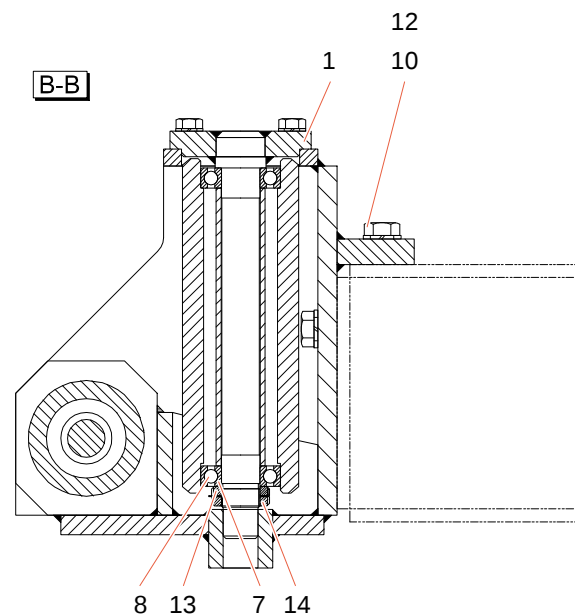
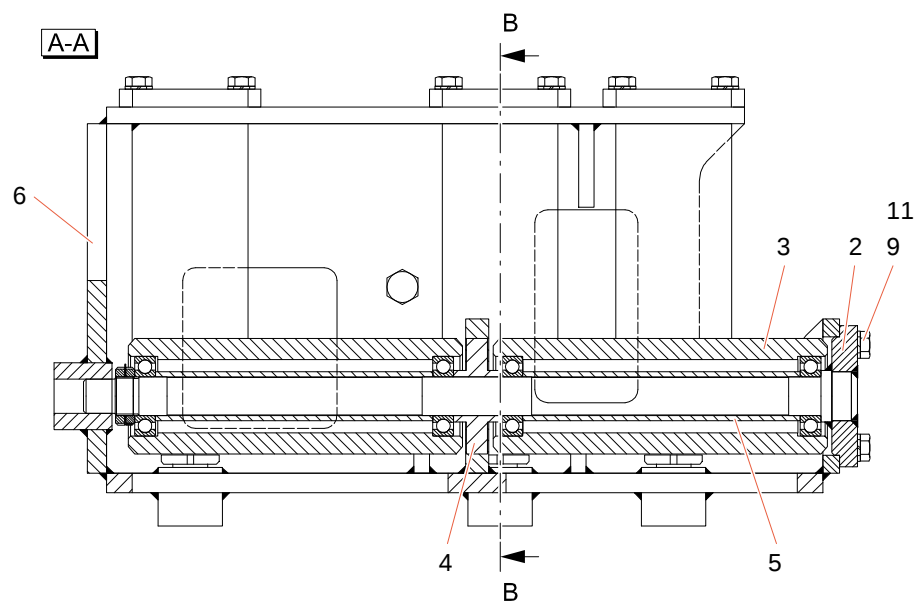
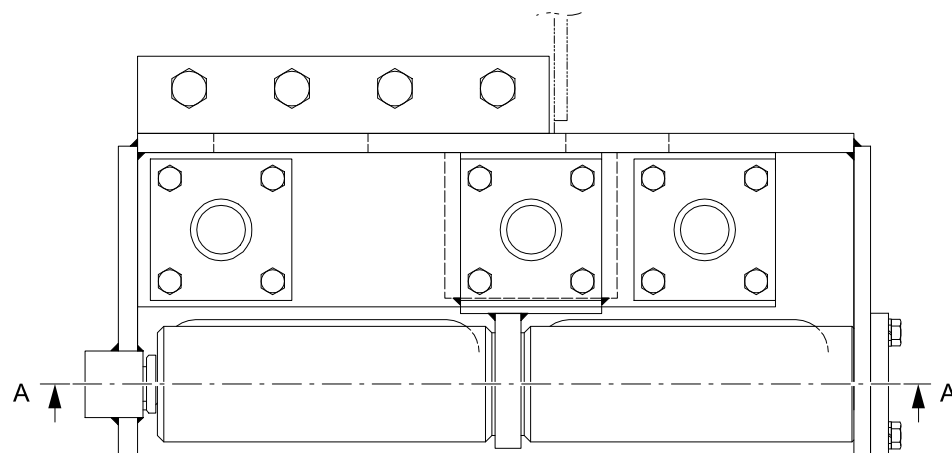
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4 Cathead countershaft group

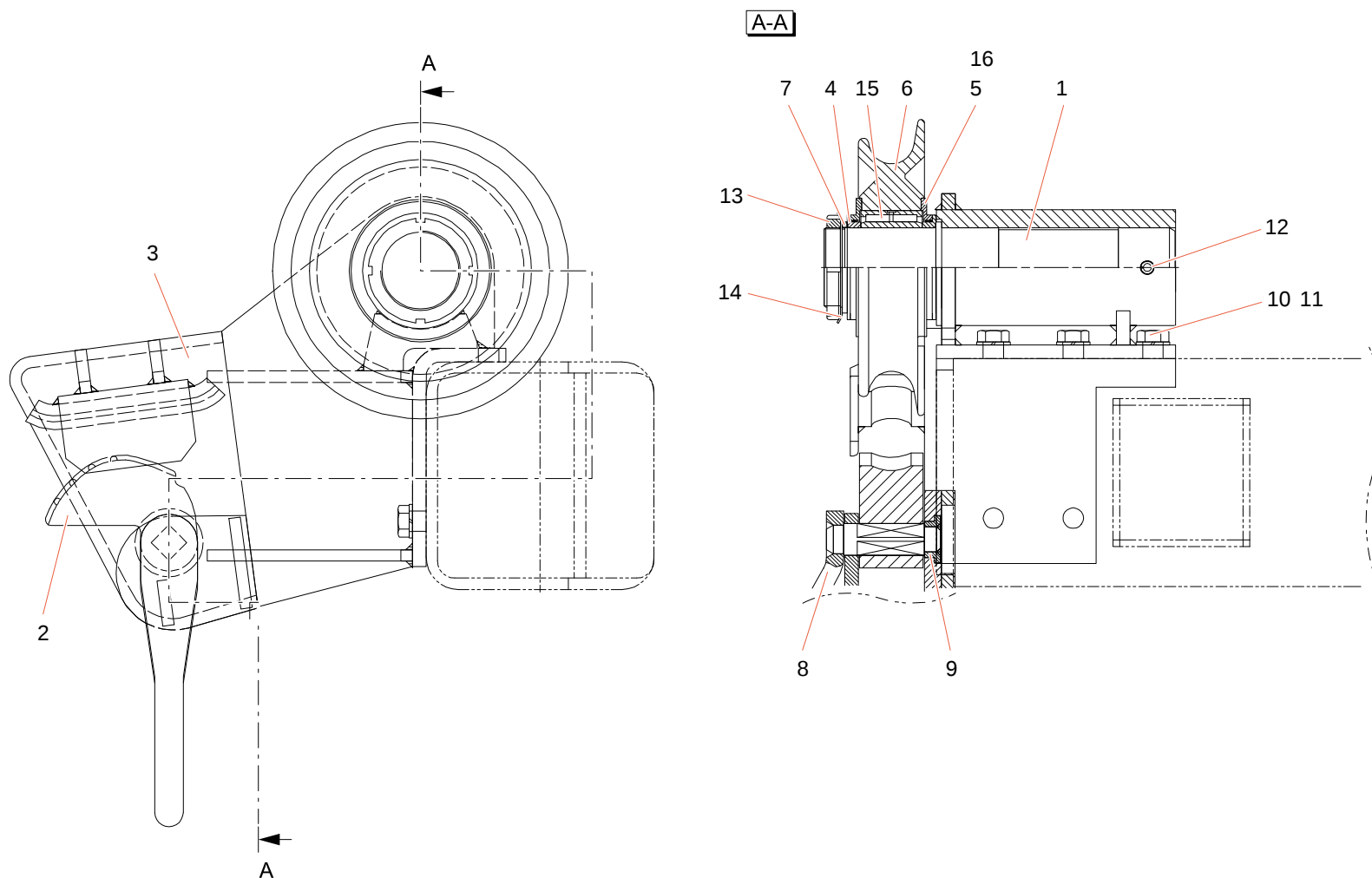
Table	Revision	Description	Notes
01990147 - 1	0 (03-2008)	Catheads wire rope guide roller (O.D.S.)	-
01990191 - 1	0 (03-2008)	Catheads wire rope guide roller (D.S.)	-
01990193 - 1	0 (03-2008)	Wire rope brake (D.S.)	-
01990194 - 1	0 (03-2008)	Wire rope brake (O.D.S.)	-
01990349 - 1	0 (07-2008)	Cathead countershaft	-
01990349 - 2	0 (07-2008)	Cathead countershaft	-
01990362 - 1	0 (07-2008)	Cathead frame	-
01990363 - 1	0 (07-2008)	Cathead guard	-



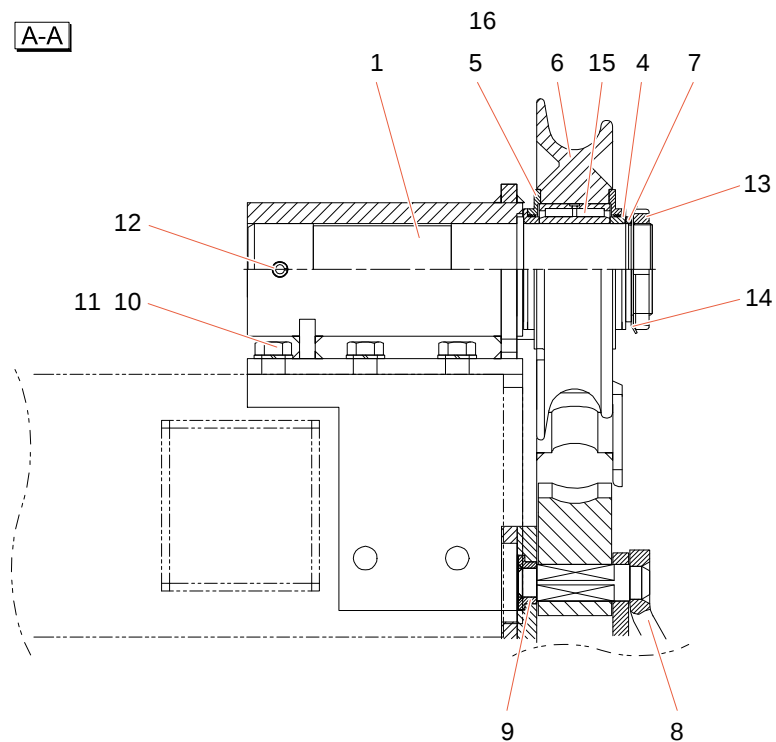
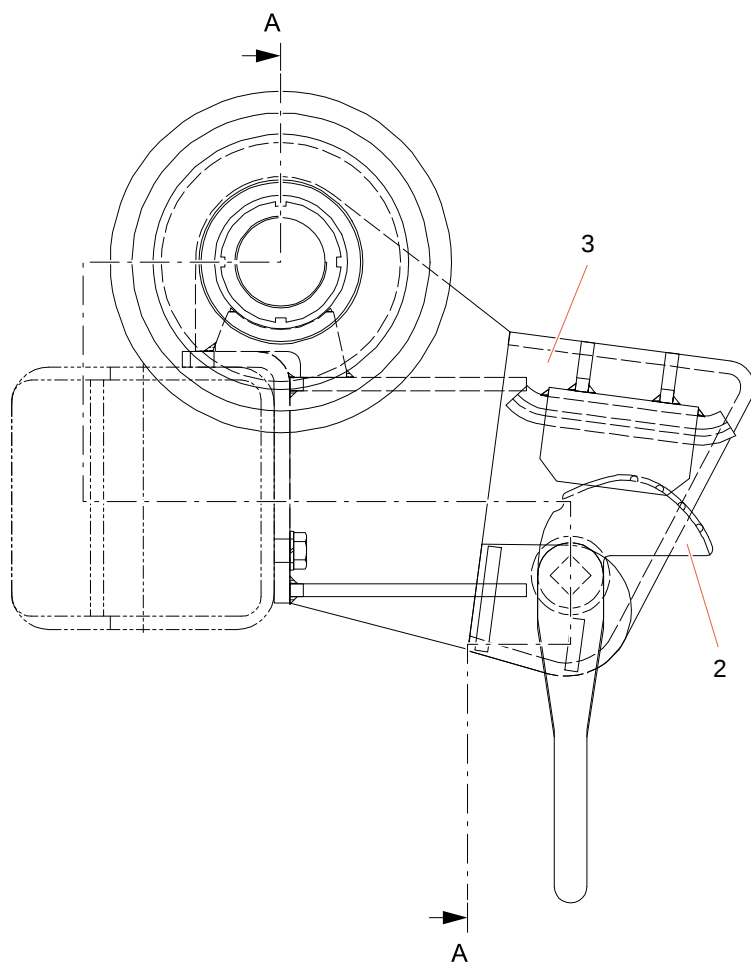
Position	Part Number	Quantity	Description	Notes
1	01990851	3	Shaft	-
2	01991072	1	Pin	-
3	01991073	5	Idle roller	-
4	01991074	1	Spacer	-
5	01991075	5	Spacer	-
6	01991078	1	Frame	-
7	61060505	10	Ring	-
8	61080001	10	Bearing	-
9	70351206	16	Screw	-
10	70351609	5	Screw	-
11	70911221	16	Spring washer	-
12	70911627	5	Spring washer	-
13	71270006	8	Ring nut	-
14	71280006	4	Washer	-



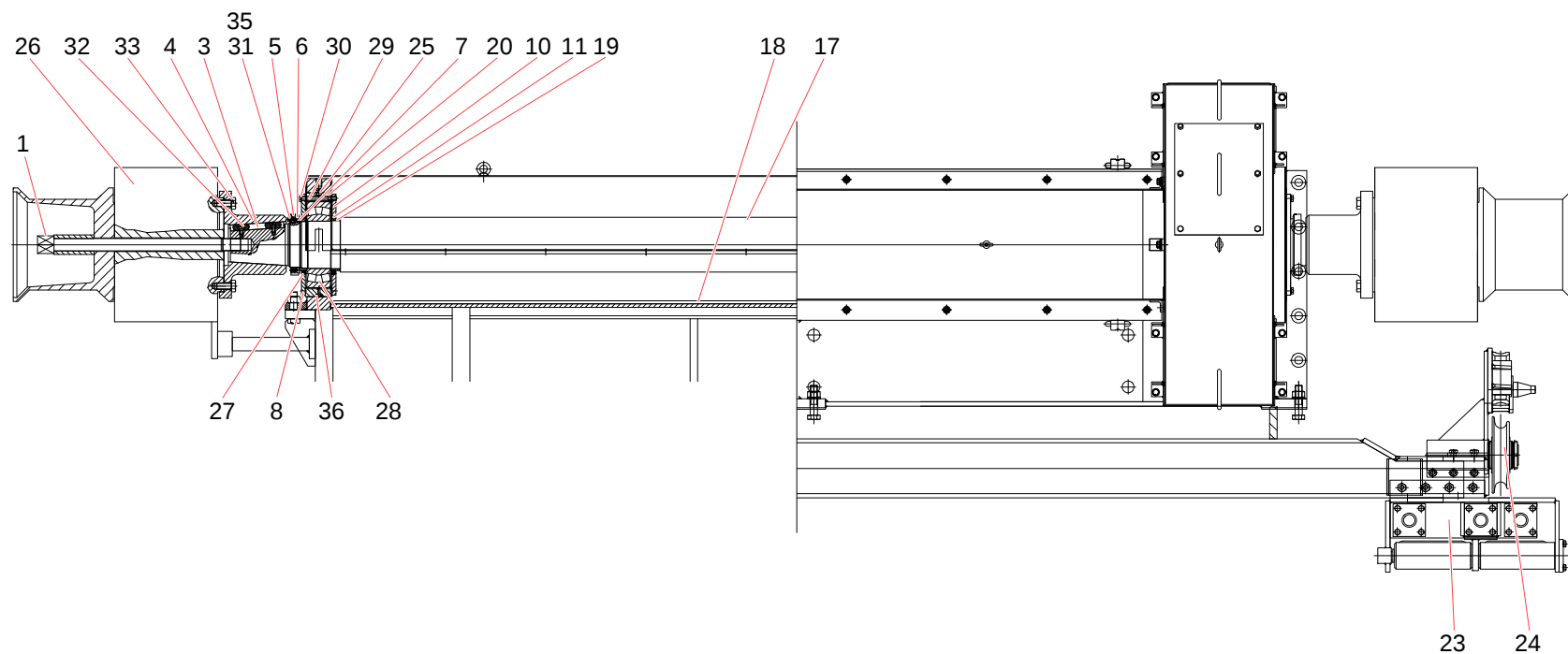
Position	Part Number	Quantity	Description	Notes
1	01990851	3	Shaft	-
2	01991072	1	Pin	-
3	01991073	5	Idle roller	-
4	01991074	1	Spacer	-
5	01991075	5	Spacer	-
6	01991068	1	Frame	-
7	61060505	10	Ring	-
8	61080001	10	Bearing	-
9	70351206	16	Screw	-
10	70351609	5	Screw	-
11	70911221	16	Spring washer	-
12	70911627	5	Spring washer	-
13	71270006	8	Ring nut	-
14	71280006	4	Washer	-



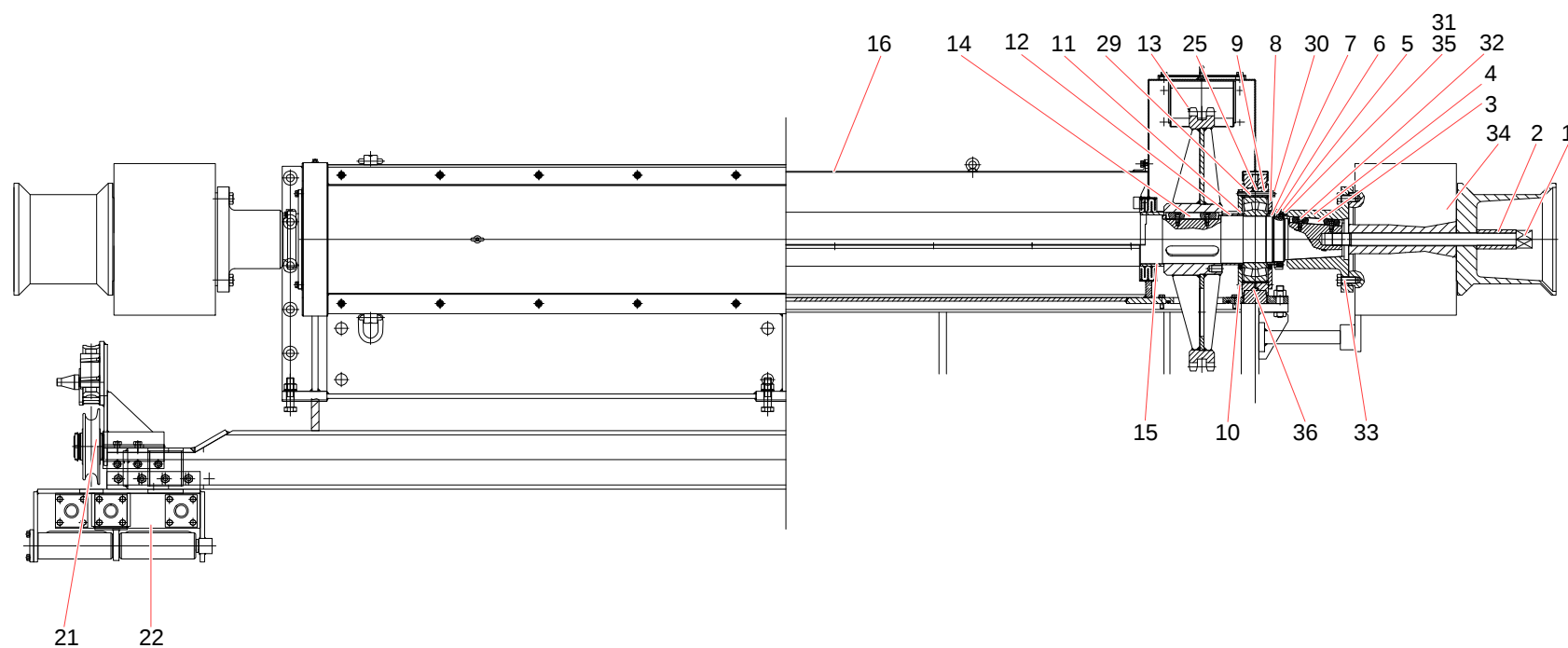
Position	Part Number	Quantity	Description	Notes
1	01991087	1	Pin	-
2	01991088	1	Eccentric locking device	-
3	01991079	1	Rope lock vice	-
4	01991404	2	Spacer	-
5	01991405	2	Cover	-
6	01991406	1	Roller	-
7	01991407	1	Spacer	-
8	01991408	1	Handle	-
9	01991409	1	Bushing	-
10	70351607	5	Screw	-
11	70911627	5	Spring washer	-
12	71041220	1	Elastic pin	-
13	71270014	1	Ring nut	-
14	71280014	1	Washer	-
15	61150015	1	Bearing	-
16	70420603	8	Screw	-



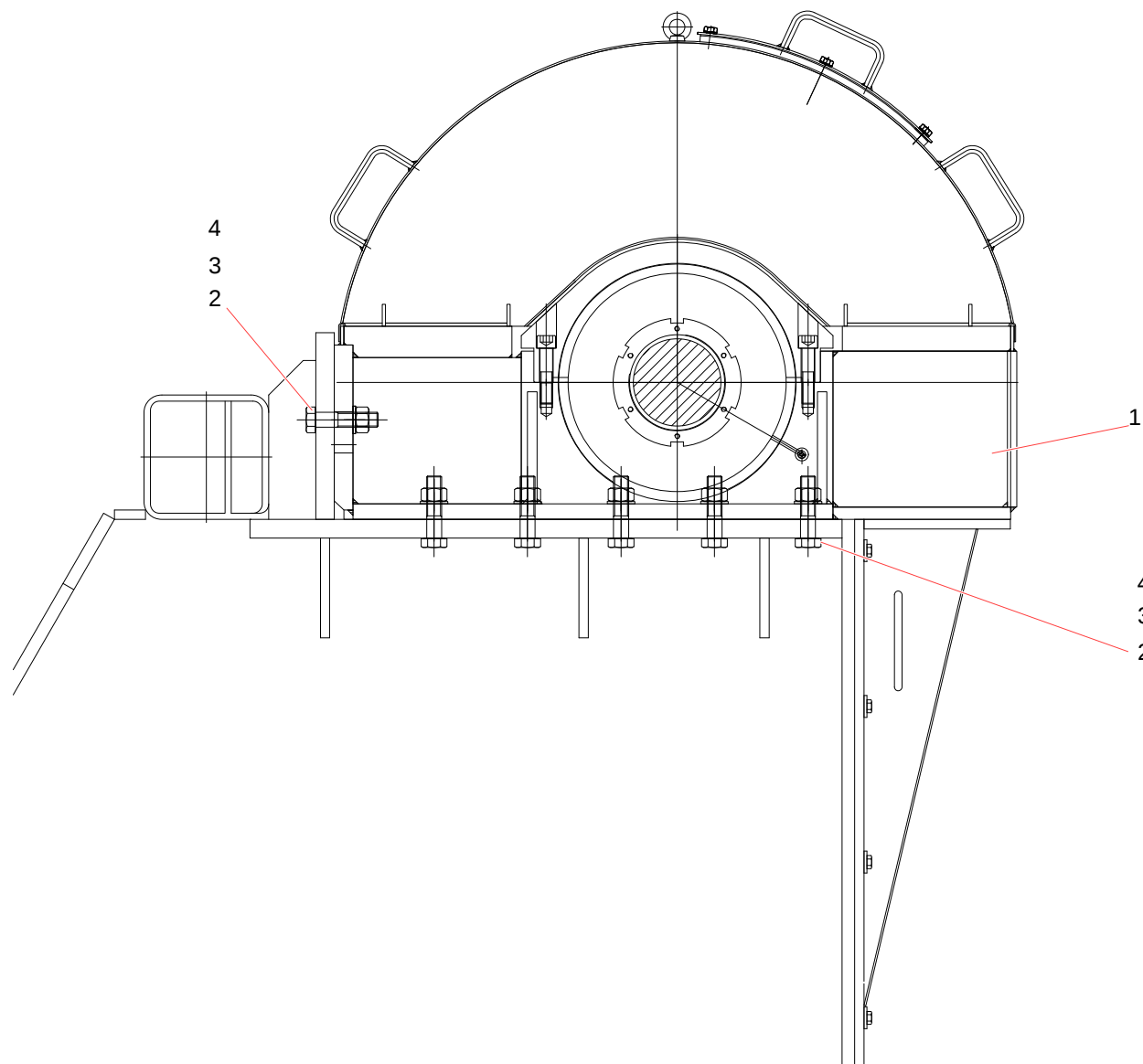
Position	Part Number	Quantity	Description	Notes
1	01991087	1	Pin	-
2	01991088	1	Eccentric locking device	-
3	01991402	1	Clamp	-
4	01991404	2	Spacer	-
5	01991405	2	Cover	-
6	01991406	1	Roller	-
7	01991407	1	Spacer	-
8	01991408	1	Handle	-
9	01991409	1	Bushing	-
10	70351607	5	Screw	-
11	70911627	5	Spring washer	-
12	71041220	1	Elastic pin	-
13	71270014	1	Ring nut	-
14	71280014	1	Washer	-
15	61150015	1	Bearing	-
16	70420603	8	Screw	-



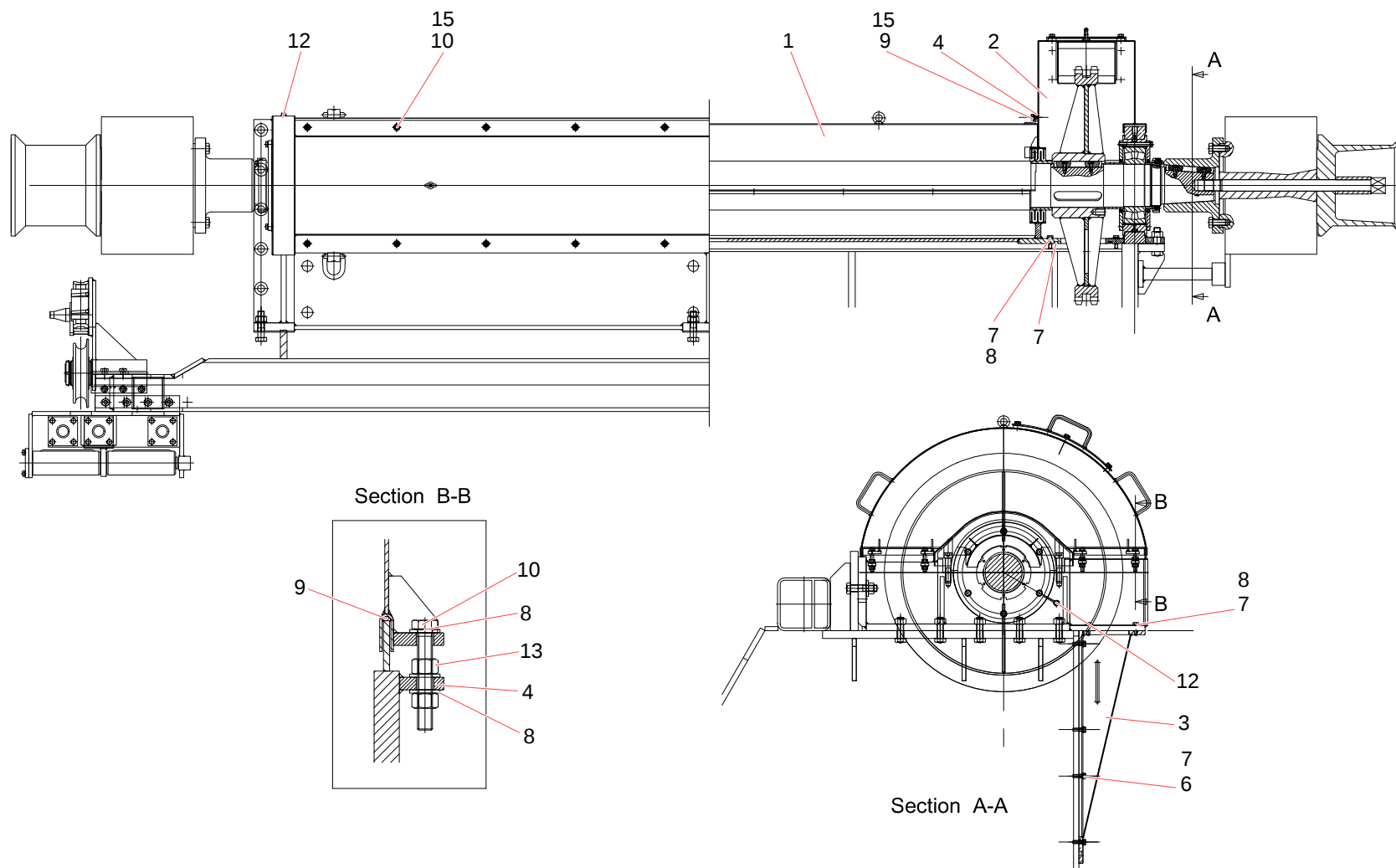
Position	Part Number	Quantity	Description	Notes
1	01990836	2	Bolt	-
3	01991629	4	Key	-
4	01990838	2	Flange	-
5	01990839	2	Retainer	-
6	01990840	2	Ring nut	-
7	01990841	2	Spacer	-
8	01990842	2	Ring	-
10	01990847	2	Cover	-
11	01991039	4	Sealing ring	-
17	01991888	1	Cathead shaft	-
18	01990362	1	Cathead frame group	★ 01990362-1
19	01990848	1	Spacer	-
20	01990849	1	Support	-
23	01990191	1	Guide rollers (driller side)	★ 01990191-1
24	01990194	1	Rope braking device (off driller side)	★ 01990194-1
25	01990843	4	Pin	-
26	40391387	1	Cathead	□
26.A	RI40391387-01	1	Bearing kit	
26.B	RI40391387-02	1	Diaphragm	
26.C	RI40391387-03	1	Clutch lining	
26.D	RI40391387-04	1	Oil retainer	
26.E	RI40391387-05	1	Gasket	
27	70460602	8	Headless screw	-
28	61160039	2	Bearing	-
29	70311224	12	Screw	-
30	70911221	12	Spring washer	-
31	70910814	2	Spring washer	-
32	71020513	12	Screw	-
35	70350803	2	Screw	-
36	01991416	2	Gasket	-



Position	Part Number	Quantity	Description	Notes
1	01990836	2	Bolt	-
2	01990837	2	Spacer	-
3	01991629	4	Key	-
4	01990838	2	Flange	-
5	01990839	2	Retainer	-
6	01990840	2	Ring nut	-
7	01990841	2	Spacer	-
8	01990842	2	Ring	-
9	01990846	1	Support	-
10	01990847	2	Cover	-
11	01991039	4	Sealing ring	-
12	01990844	1	Spacer	-
13	01990779	1	Z=54 gear	-
14	01991630	2	Tang	-
15	01990845	1	Spacer	-
16	01990363	1	Cathead housing group	★ 01990363-1
21	01990193	1	Rope braking device (driller side)	★ 01990193-1
22	01990147	1	Guide rollers (off-driller side)	★ 01990147-1
25	01990843	4	Pin	-
29	70311224	12	Screw	-
30	70911221	12	Spring washer	-
31	70910814	2	Spring washer	-
32	71020513	12	Screw	-
33	70390123	12	Screw	-
34	40391386	1	Cathead	□
	34.A RI40391386-01	1	Bearing kit	
	34.B RI40391386-02	1	Diaphragm	
	34.C RI40391386-03	1	Clutch lining	
	34.D RI40391386-04	1	Oil retainer	
	34.E RI40391386-05	1	Gasket	
35	70350803	2	Screw	-
36	01991416	2	Gasket	-



Position	Part Number	Quantity	Description	Notes
1	01991889	1	Cathead frame	-
2	70312420	14	Screw	-
3	70902445	14	Plain washer	-
4	70662424	14	Nut	-



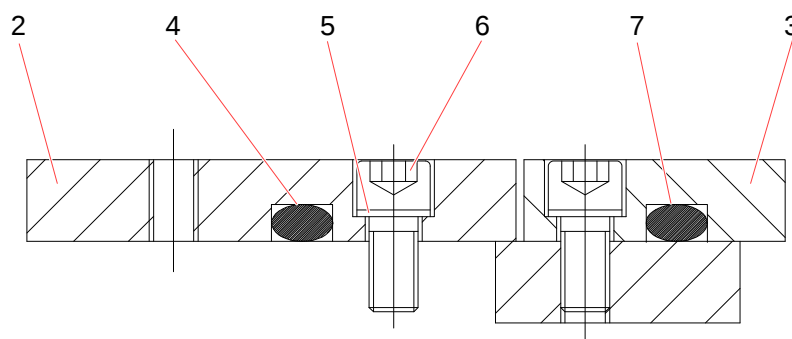
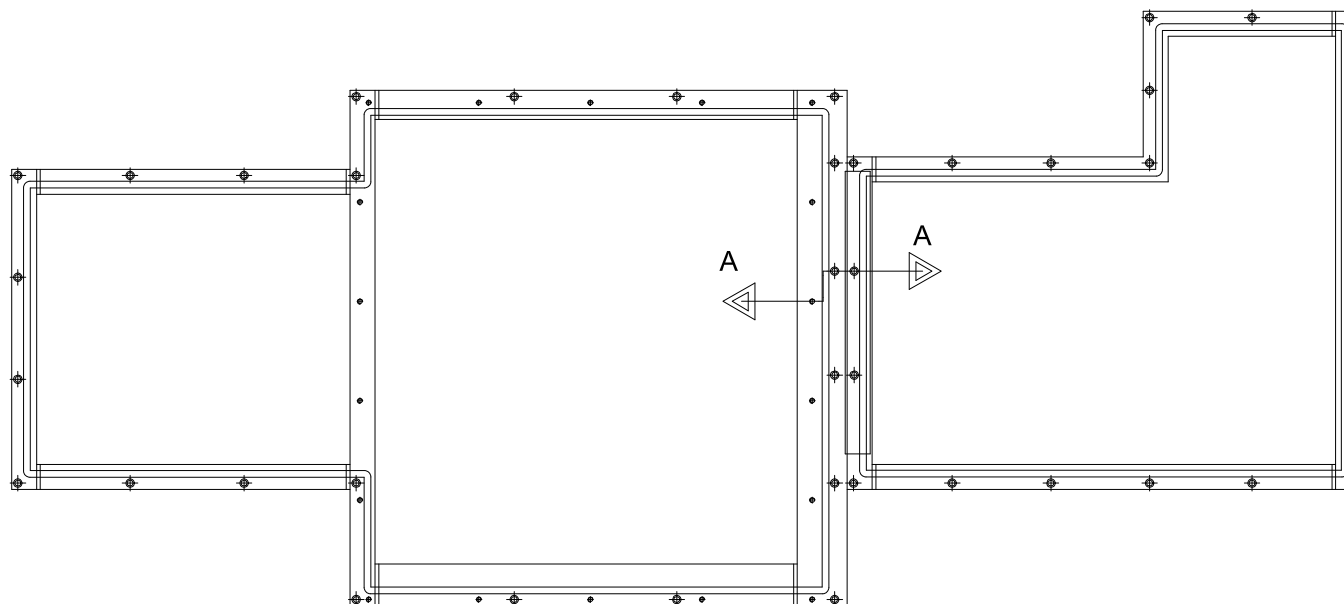
Position	Part Number	Quantity	Description	Notes
1	01990981	1	Guard	-
2	01990982	1	Guard	-
3	01991634	8	Plate	-
4	01991635	3	Plate	-
5	01991890	1	Housing	-
6	08800085	1 m.	Rubber profile	-
7	08800090	2 m.	Gasket	-
8	61000007	2	Greasing nipple	-
9	70351203	3	Screw	-
10	70351204	14	Screw	-
11	70351208	10	Screw	-
12	70351216	8	Screw	-
13	70661212	16	Nut	-
14	70901012	8	Plain washer	-
15	70901224	51	Plain washer	-



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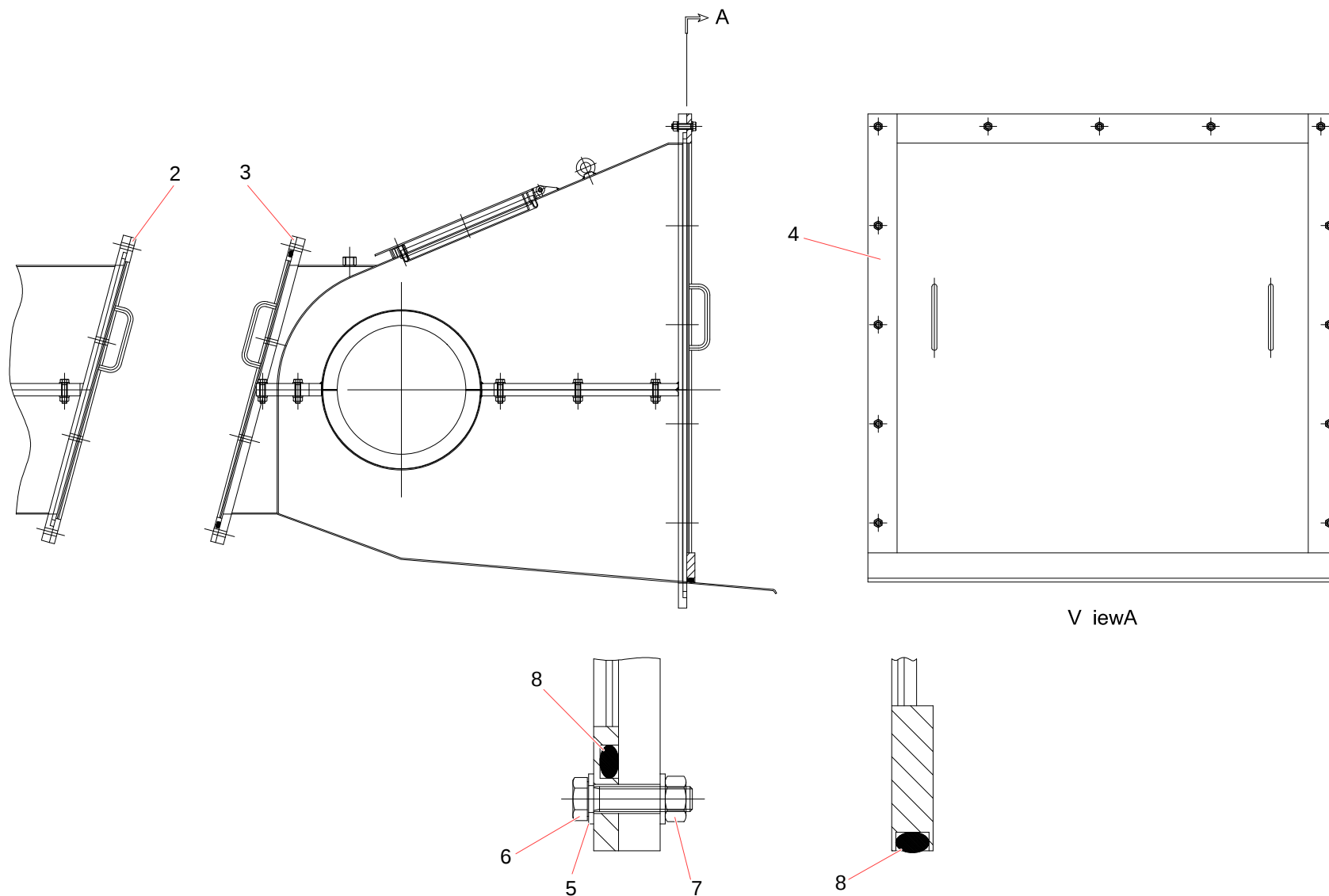
5 Drawworks main frame group

Table	Revision	Description	Notes
01990366 - 1	0 (07-2008)	Rear frame	-
01990372 - 1	0 (07-2008)	Cover	-
01990375 - 1	0 (07-2008)	Guard for transport	-
01990376 - 1	0 (07-2008)	Guard	-
01990379 - 1	0 (11-2011)	Main frame	-
01991250 - 1	0 (11-2011)	Motors countershaft	-
01991269 - 1	0 (11-2011)	Engine frame	-

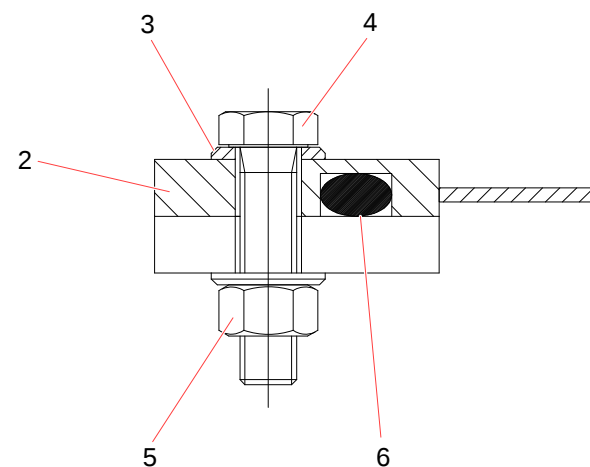
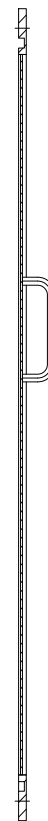
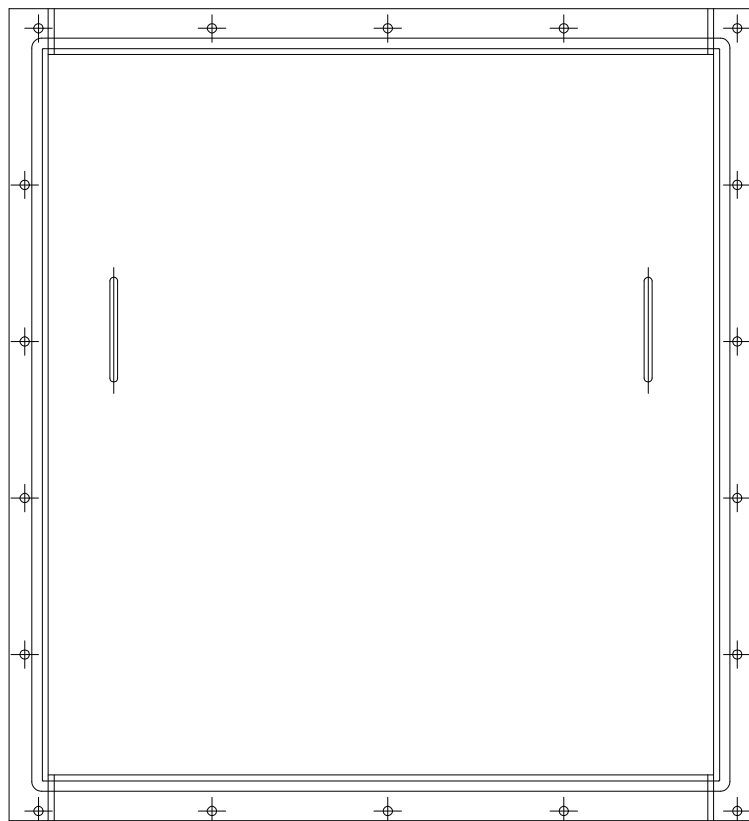


Section A-A

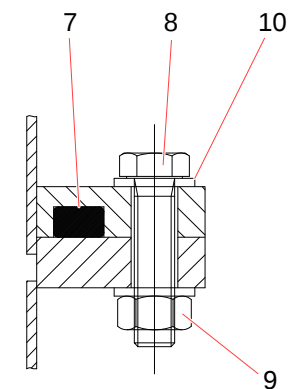
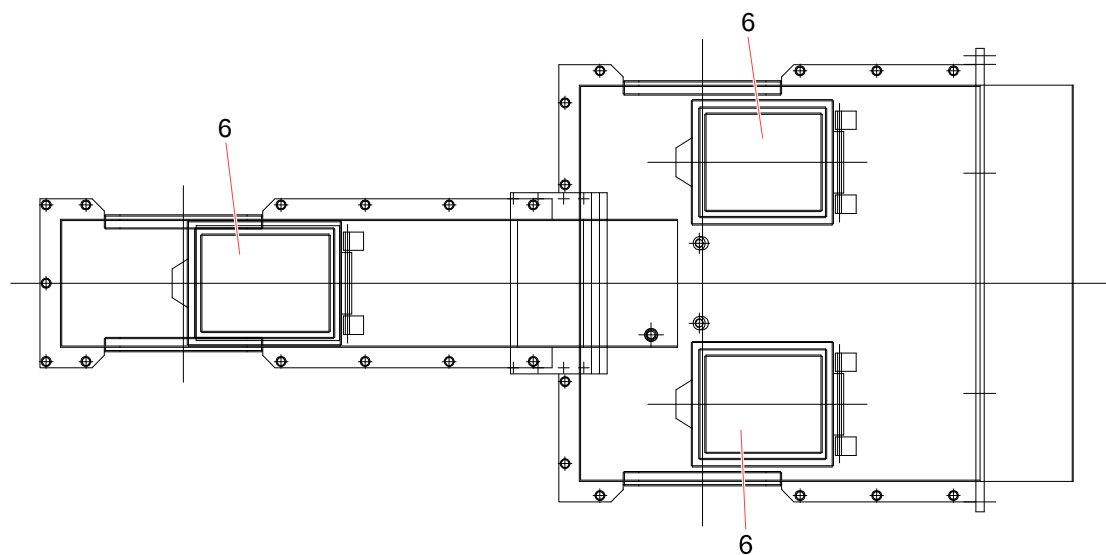
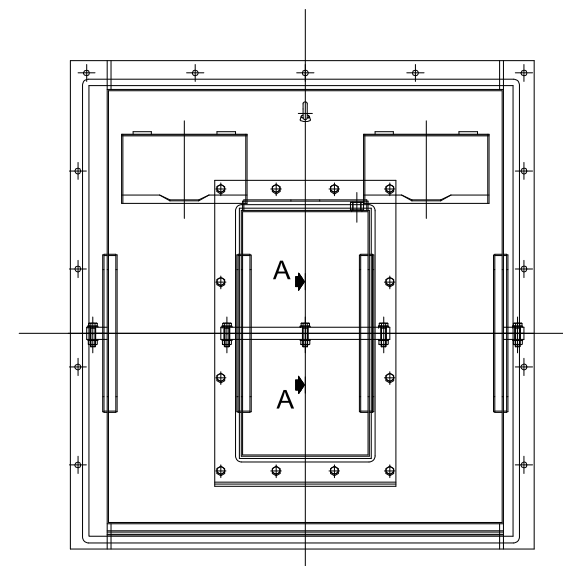
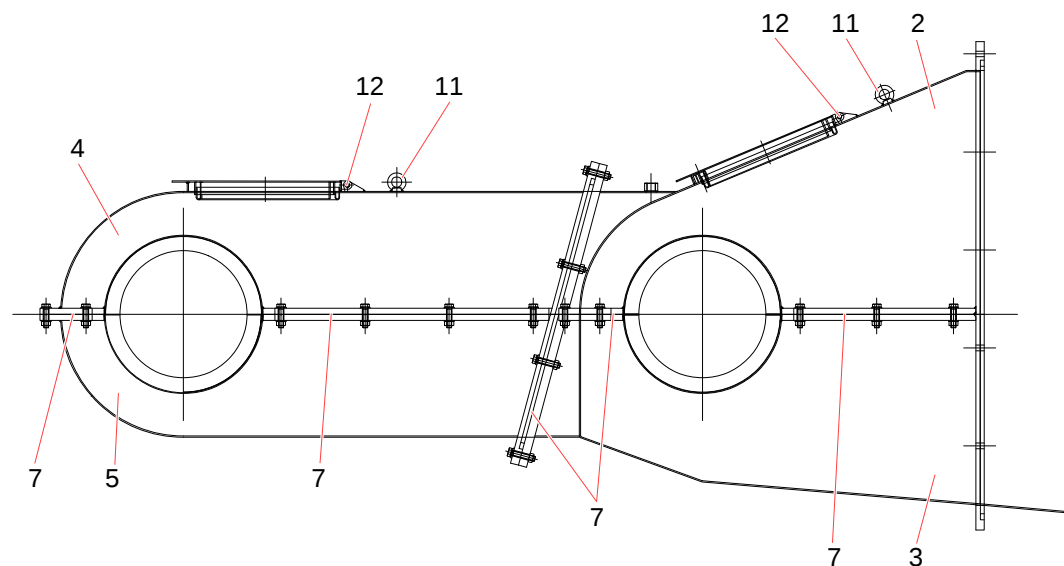
Position	Part Number	Quantity	Description	Notes
2	01991896	1	Back wall left	-
3	01990881	1	Right back wall	-
4	08800090	1 m.	Gasket	-
5	70911221	42	Spring washer	-
6	70371205	42	Screw	-
7	08800090	1 m.	Gasket	-



Position	Part Number	Quantity	Description	Notes
2	01991917	1	Guard	-
3	01991918	1	Guard	-
4	01991919	1	Guard	-
5	70901224	74	Plain washer	-
6	70351210	37	Screw	-
7	70661212	37	Nut	-
8	08800090	4.5 m.	Gasket	-

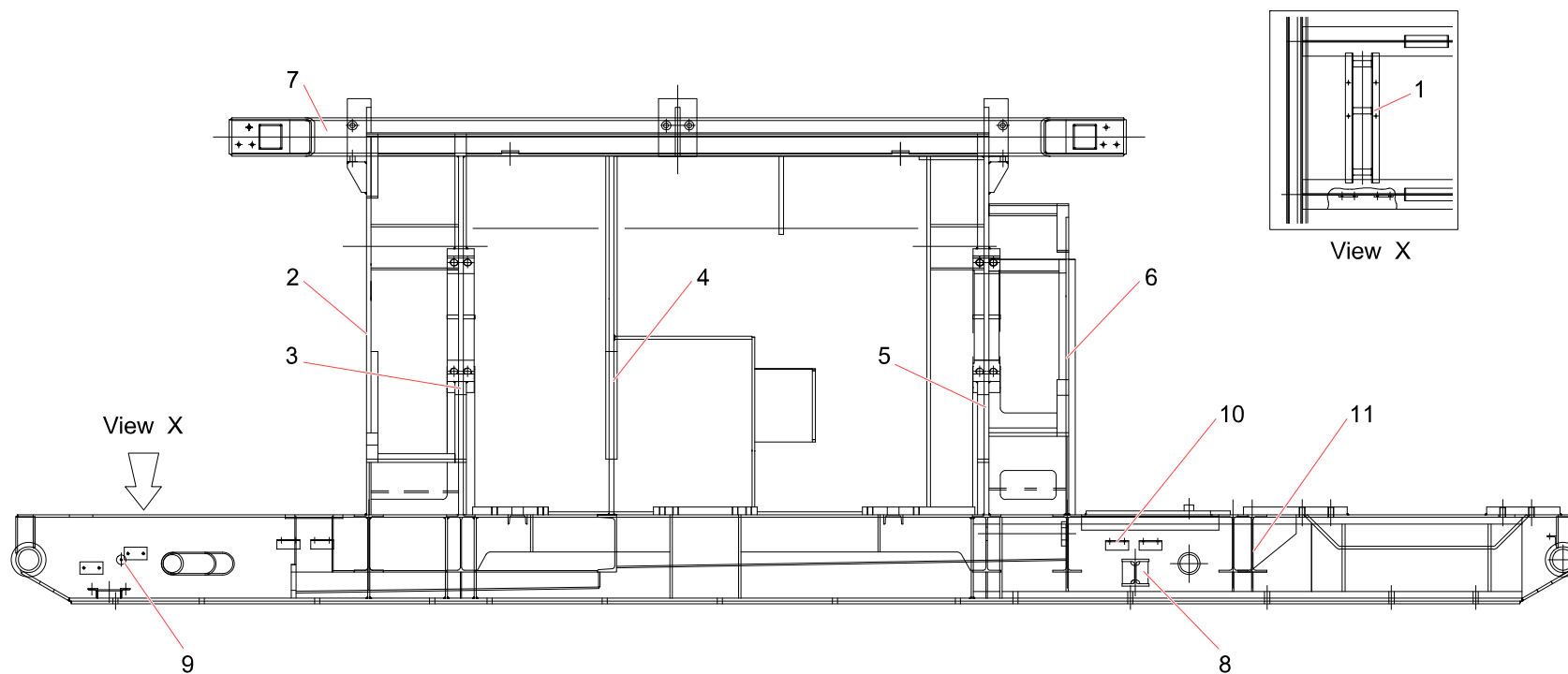


Position	Part Number	Quantity	Description	Notes
2	01991904	1	Guard	-
3	70901224	36	Plain washer	-
4	70351210	18	Screw	-
5	70661212	18	Nut	-
6	08800090	4.5 m.	Gasket	-

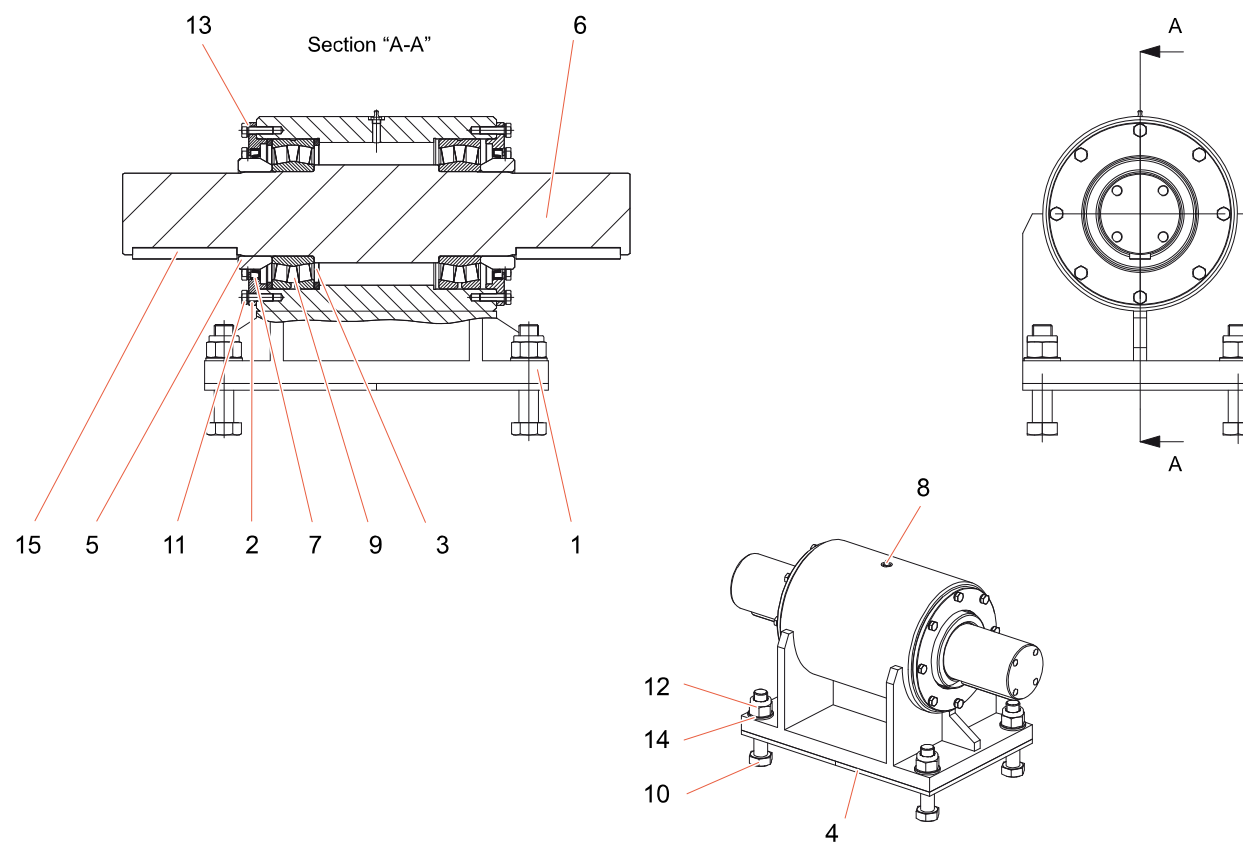


Section A-A

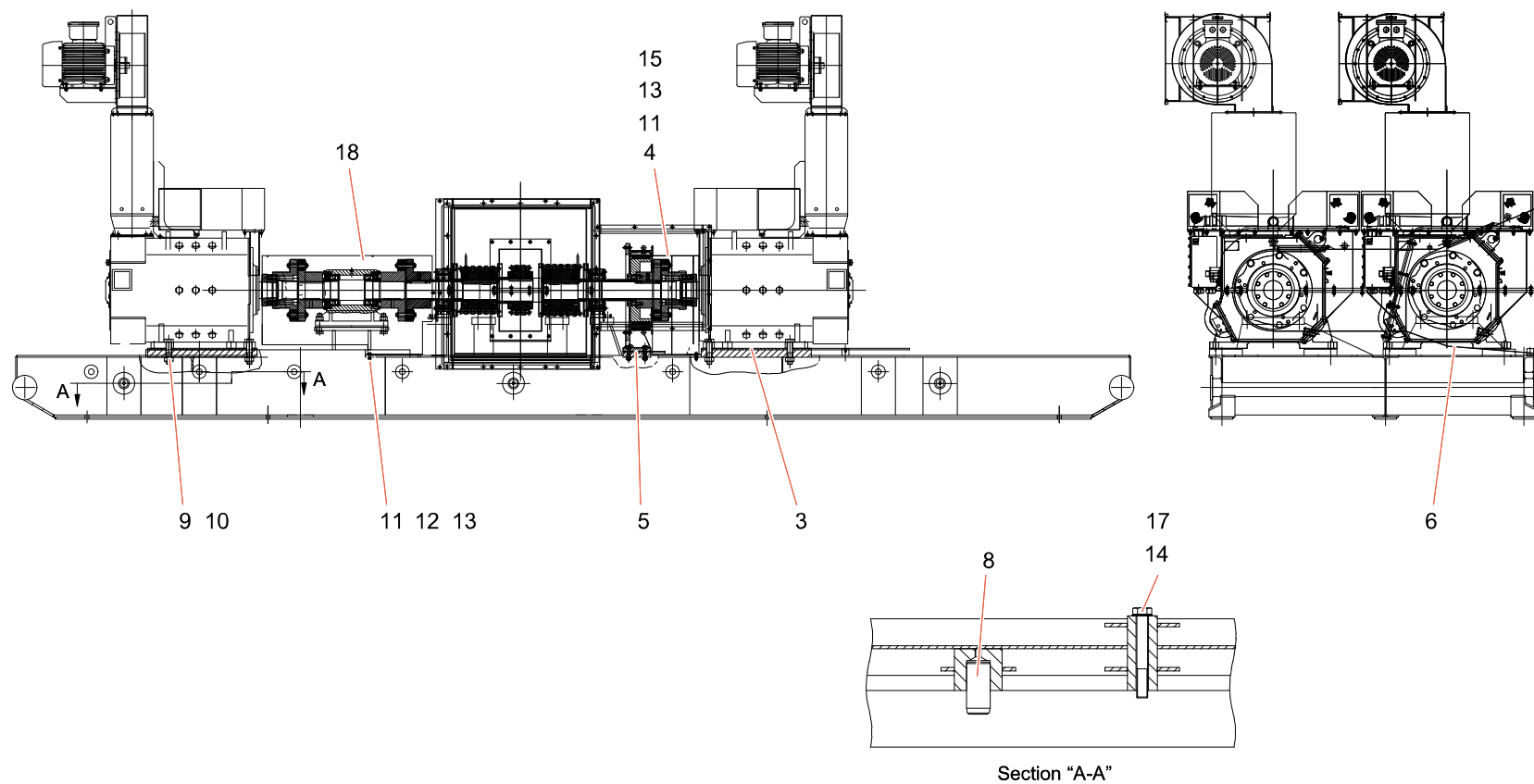
Position	Part Number	Quantity	Description	Notes
2	01991913	1	Upper guard	-
3	01991914	1	Lower guard	-
4	01991915	1	Upper guard	-
5	01991916	1	Lower guard	-
6	01990884	3	Cover	-
7	08800090	10.5 m.	Gasket	-
8	70351210	37	Screw	-
9	70661212	37	Nut	-
10	70901224	66	Plain washer	-
11	40890010	2	Eyebolt	-
12	71040305	3	Elastic pin	-



Position	Part Number	Quantity	Description	Notes
1	01991867	1	Support	-
2	01991868	1	Side	-
3	01991869	1	Side	-
4	01991870	1	Panel	-
5	01991871	1	Panel	-
6	01991872	1	Panel	-
7	01991873	1	Sleeve stringer	-
8	01990877	1	Beam	-
9	01990917	1	Pin	-
10	01990918	2	Plate	-
11	01990915	1	Support	-



Position	Part Number	Quantity	Description	Notes
1	01992561	1	Support	-
2	01992560	2	Cover	-
3	01992562	2	Spacer	-
4	01992563	2	Spacer	-
5	01992746	2	Spacer	-
6	01992747	1	Countershaft	-
7	52080172	2	Oil retainer	-
8	61000007	1	Greasing nipple	-
9	61160111	2	Bearing	-
10	70313030	4	Screw	-
11	70351208	16	Screw	-
12	70613033	4	Self-locking nut	-
13	70902008	16	Plain washer	-
14	70903015	4	Plain washer	-
15	71063232	2	Key	-



Position	Part Number	Quantity	Description	Notes
3	01991955	1	Shim set	-
4	01990883	1	Guard	-
5	01990890	2	Shim	-
6	01990376	1	Guard group	★ 01990376-1
8	01990887	3	Pin	-
9	70663629	12	Nut	-
10	70313632	12	Screw	-
11	70661210	14	Nut	-
12	70351209	12	Screw	-
13	70901224	30	Plain washer	-
14	70313660	4	Screw	-
15	70351205	2	Screw	-
17	70903666	4	Plain washer	-
18	01992766	1	Carter	-

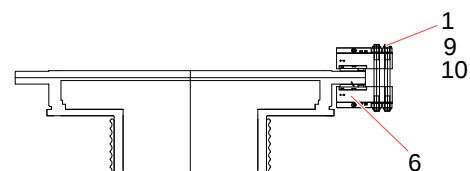
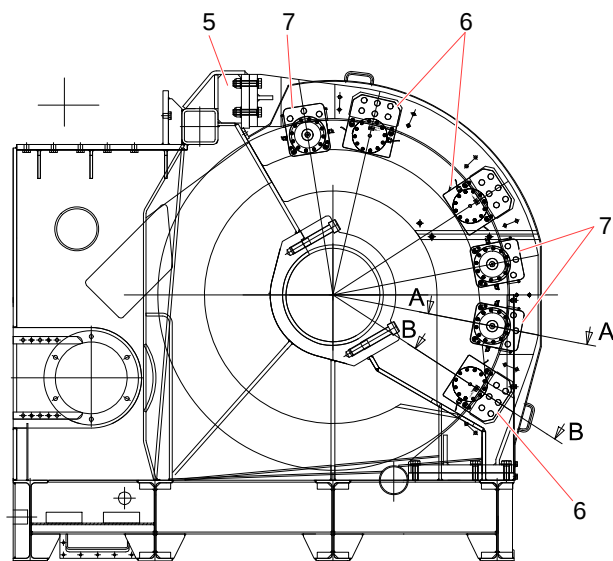


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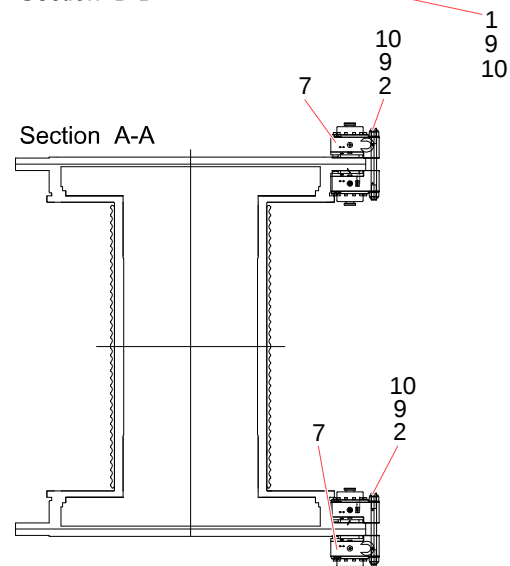
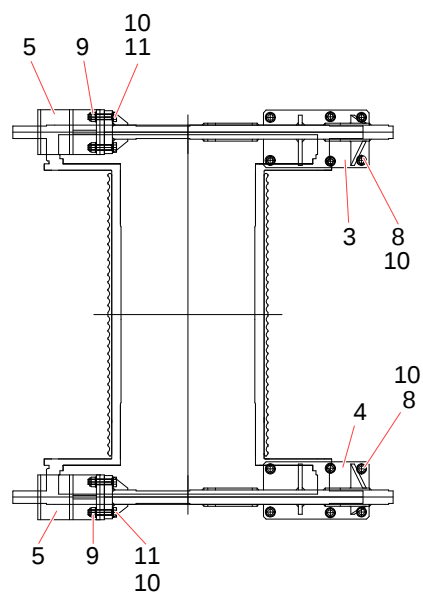
6

Main drum brake group

Table	Revision	Description	Notes
01990353 - 1	0 (07-2008)	Main drum brake	-



Section B-B



Section A-A

Position	Part Number	Quantity	Description	Notes
1	01991910	36	Tie rod	-
2	01991911	18	Tie rod	-
3	01991907	1	Support	-
4	01991908	1	Support	-
5	01991909	2	Support	-
6	50881309	6	Brake caliper (positive)	□
	6.A RI50881309-01	1	Guide ring	
	6.B RI50881309-02	1	Gasket	
	6.C RI50881309-03	1	Spring	
	6.D RI50881309-04	1	O-ring	
	6.E RI50881309-05	1	Brake pad	
	6.F RI50881309-06	1	On-off limit switch eexd	
7	50881310	6	Brake caliper (negative)	□
	7.A RI50881310-01	1	Gasket	
	7.B RI50881310-02	1	Spring	
	7.C RI50881310-03	1	Brake pad	
	7.D RI50881310-04	1	On-off limit switch eexd	
8	70353018	12	Screw	-
9	70613033	116	Self-locking nut	-
10	70903015	136	Plain washer	-
11	70313028	8	Screw	-

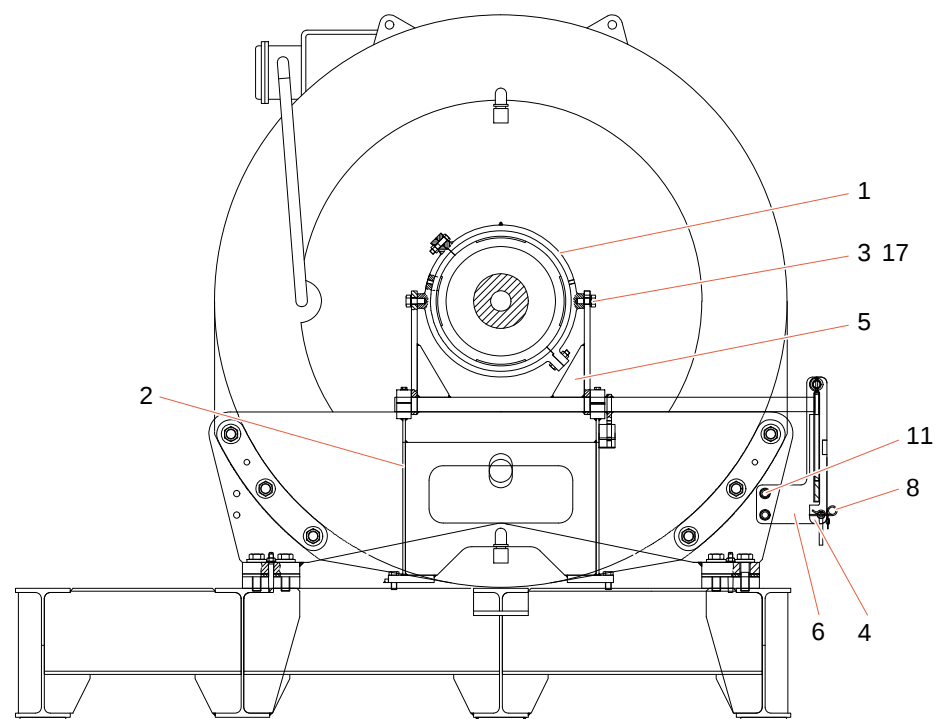
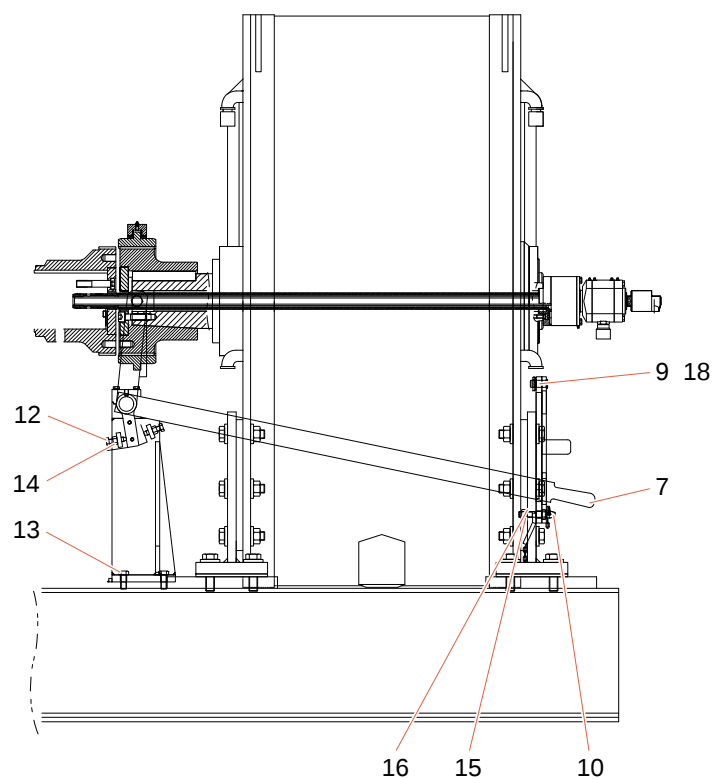


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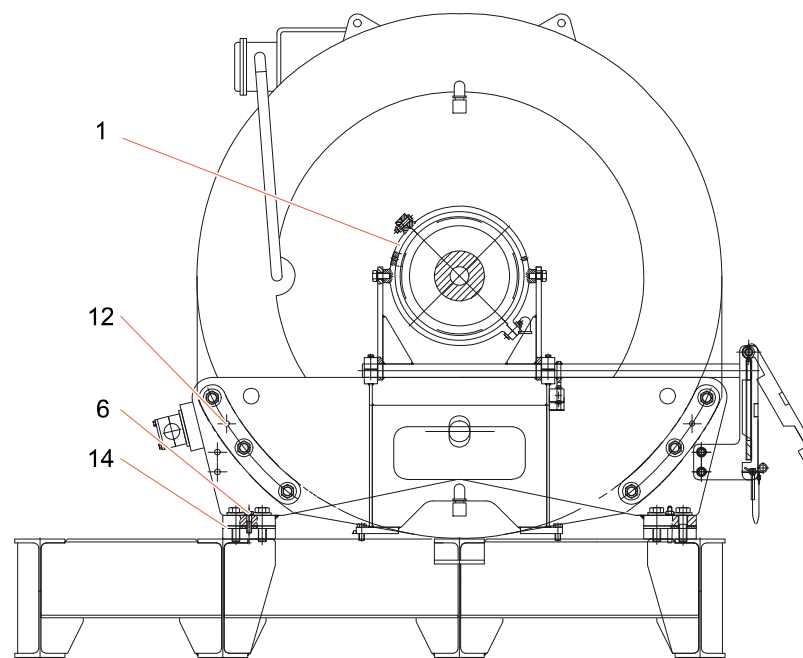
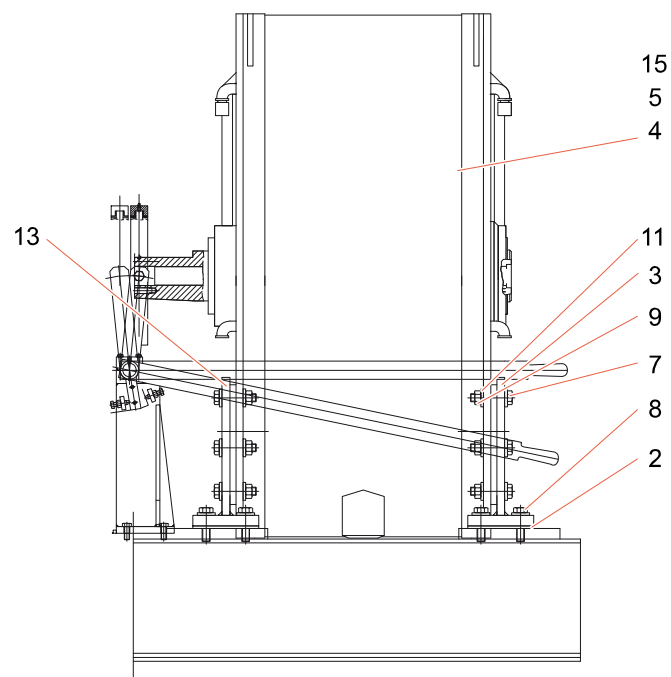
7

Auxiliary brake installation group

Table	Revision	Description	Notes
01990283 - 1	0 (03-2008)	Auxiliary brake manual control	-
01991233 - 1	0 (11-2011)	Auxiliary brake installation	-



Position	Part Number	Quantity	Description	Notes
1	01990897	1	Ring	-
2	01990899	1	Support	-
3	01990903	2	Special screw	-
4	01991428	1	Plate	-
5	01991737	1	Lever	-
6	01991738	1	Plate	-
7	01991759	1	Lever	-
8	40630142	1	Shear pin	-
9	64022197	1	Pin	-
10	64022198	1	Pin	-
11	70312016	2	Screw	-
12	70351612	2	Screw	-
13	70352010	4	Screw	-
14	70661616	2	Nut	-
15	70662020	2	Nut	-
16	70902038	2	Plain washer	-
17	70902750	1	Plain washer	-
18	71050608	1	Split pin	-



Position	Part Number	Quantity	Description	Notes
1	01990283	1	Auxiliary brake	★ 01990283-1
2	01990896	4	Shim	-
3	01991736	1	Support	-
4	40180074	1	Brake	-
5	40180075	1	Brake	-
6	70311814	4	Screw	-
7	70313028	12	Screw	-
8	70333020	16	Screw	-
9	70663024	40	Nut	-
11	70903015	40	Plain washer	-
12	71042016	1	Elastic pin	-
13	01992670	1	Support	-
14	01992637	4	Spacer	-
15	47011562	1	Battery backup	-

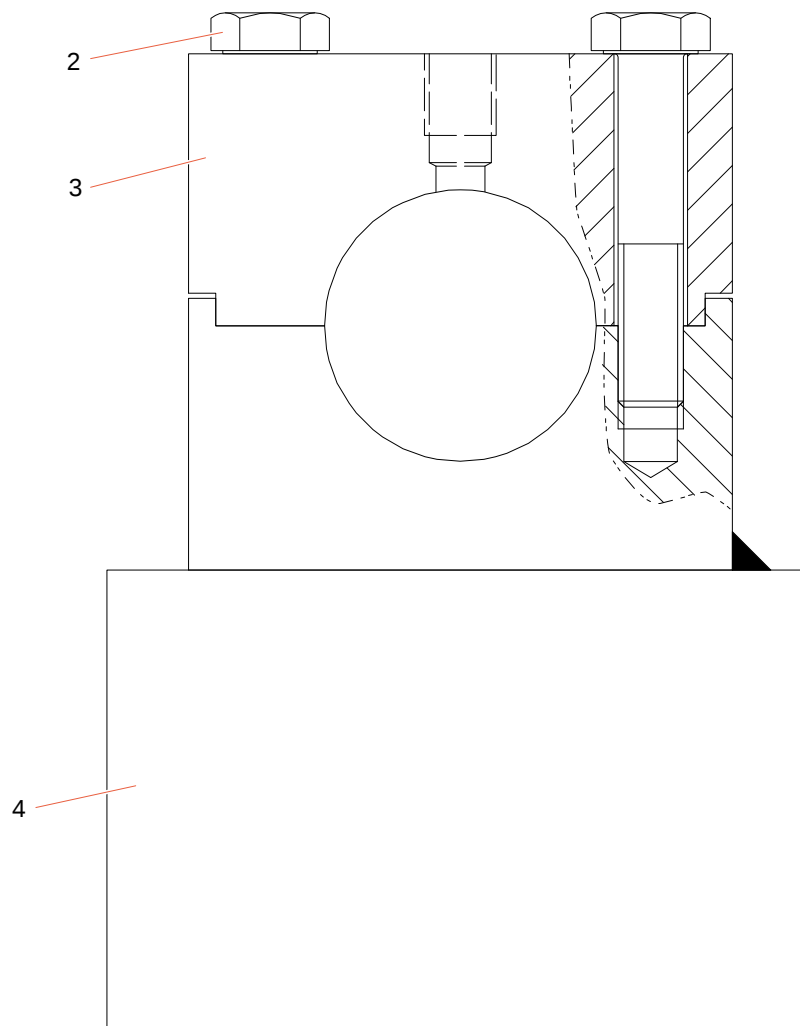


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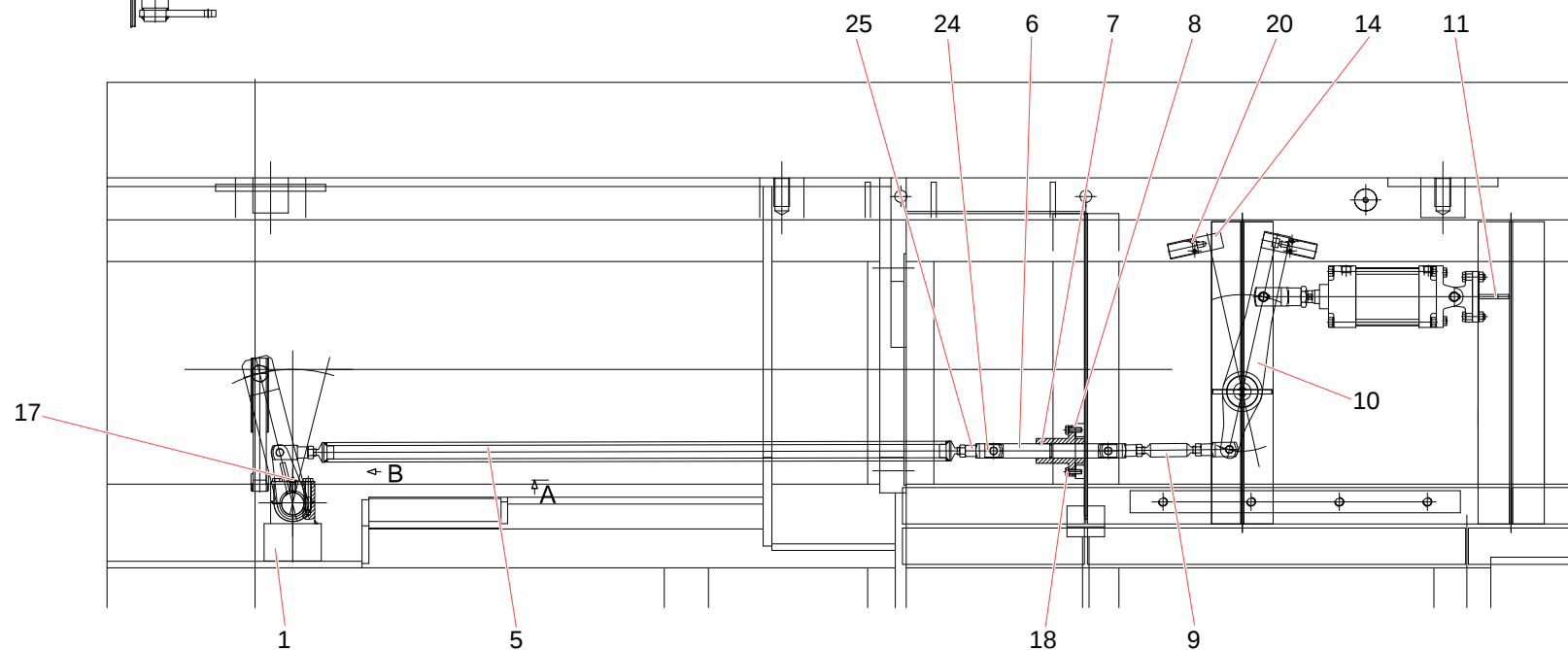
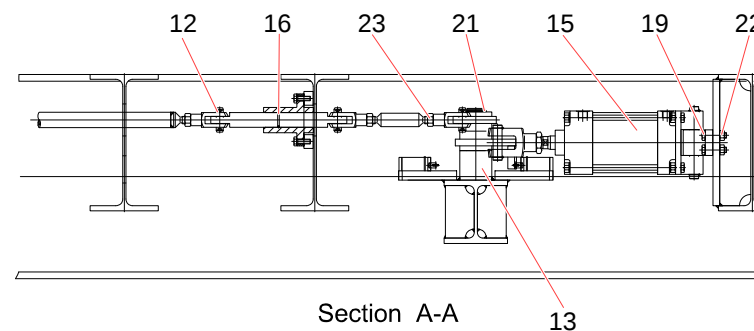
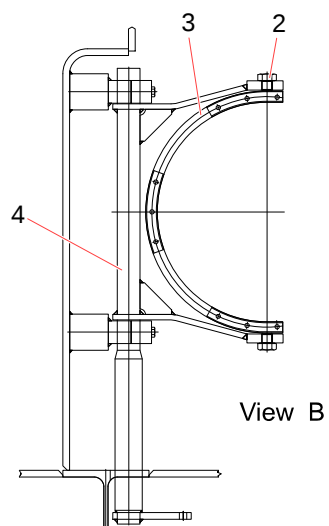
8

Gear countershaft group

Table	Revision	Description	Notes
01990172 - 1	0 (03-2008)	Lever support	-
01990350 - 1	0 (07-2008)	Gear control lever	-



Position	Part Number	Quantity	Description	Notes
2	70351213	2	Screw	-
3	01990907	1	Plate	-
4	01990908	1	Support	-



Position	Part Number	Quantity	Description	Notes
1	01990172	2	Support	★ 01990172-1
2	01990904	2	Special screw	-
3	01990905	1	Half ring	-
4	01990906	1	Lever	-
5	01991912	1	Tie rod	-
6	01990910	1	Tie rod	-
7	01990911	1	Support	-
8	01990912	1	Gasket	-
9	01990913	1	Tie rod	-
10	01990914	1	Lever	-
11	01990915	1	Support	-
12	01990916	4	Pin	-
13	01990917	1	Pin	-
14	01990918	2	Plate	-
15	50641126	1	Pneumatic cylinder	α
15.A	RI50641126-01	1	Gasket kit	
16	52103106	1	O-ring	-
17	61000007	2	Greasing nipple	-
18	70351006	4	Screw	-
19	70351209	4	Screw	-
20	70370406	4	Screw	-
21	70590040	1	Retaining ring	-
22	70661210	4	Nut	-
23	70661613	4	Nut	-
24	71050405	8	Split pin	-
25	71170016	4	Fork	-

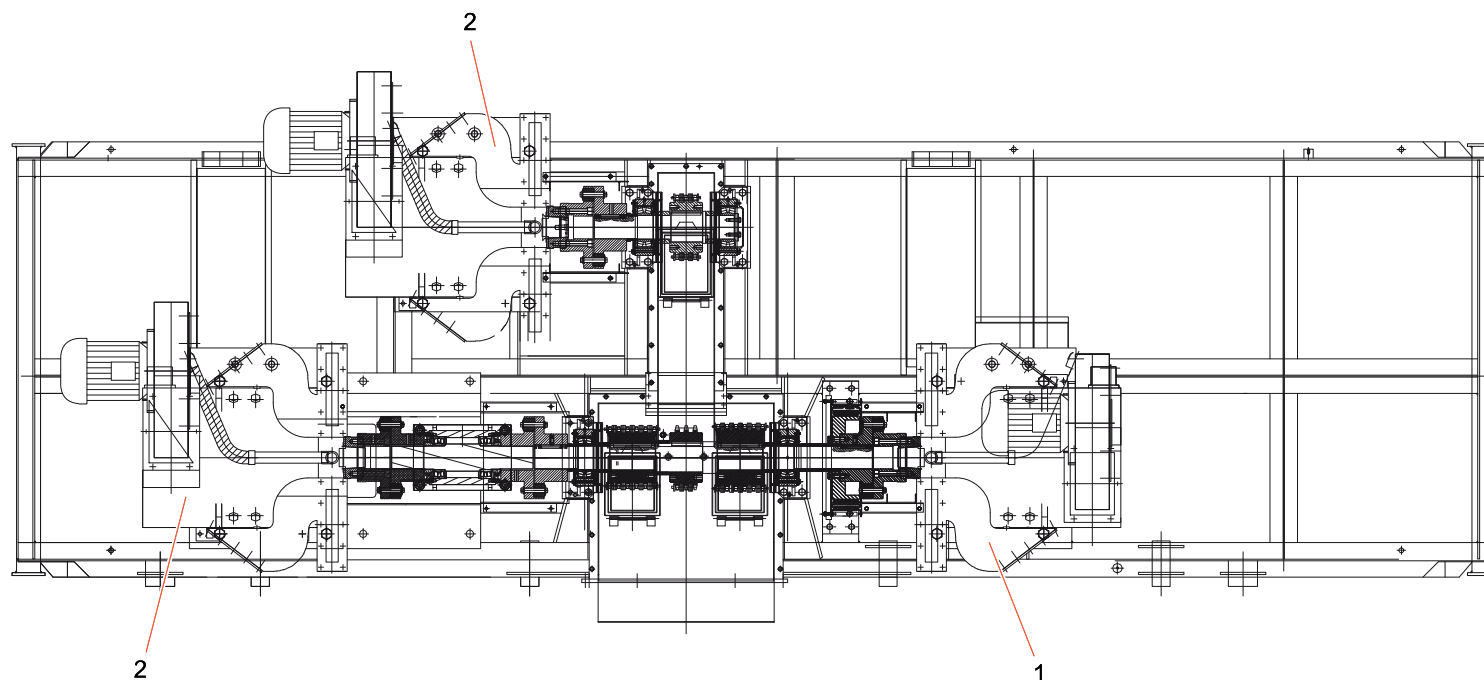


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9

Electric motors installation group

Table	Revision	Description	Notes
01991225 - 1	0 (11-2011)	Electric motors installation	-



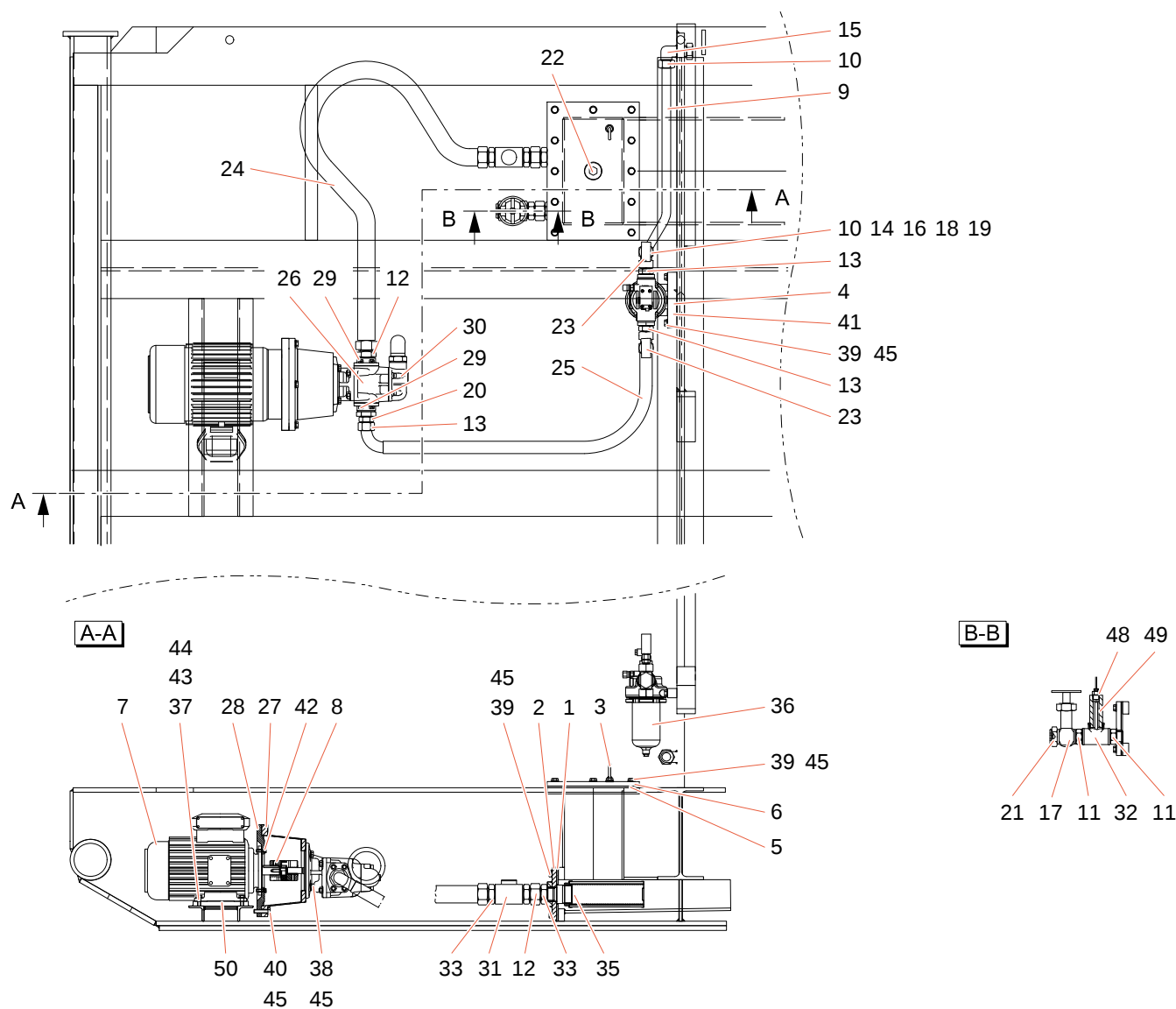
Position	Part Number	Quantity	Description	Notes
1	40090071	1	Electric motor	-
2	40090072	2	Electric motor	-



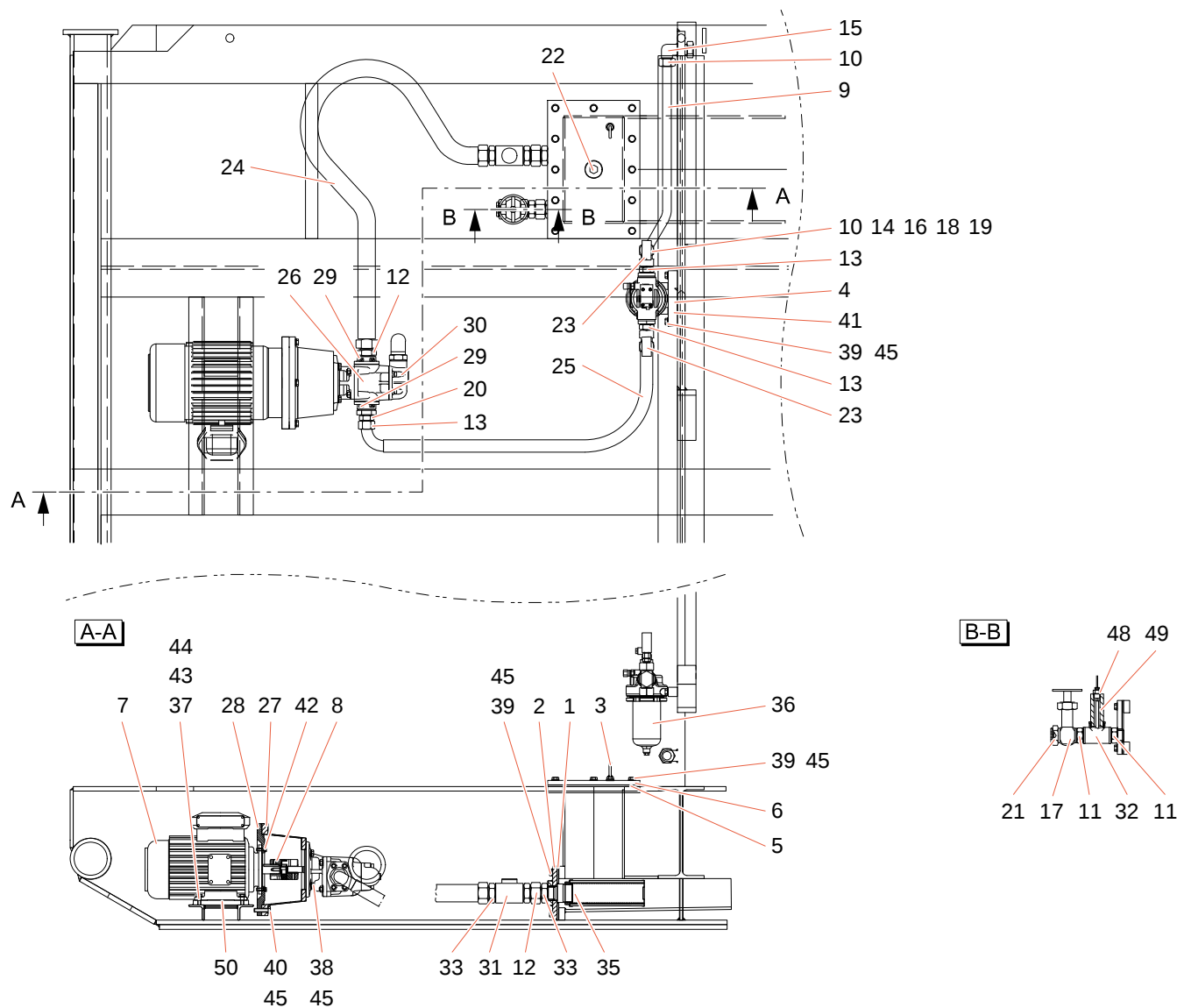
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10 Lubricating pump installation group

Table	Revision	Description	Notes
01990381 - 1	0 (04-2009)	Lubricating pump installation	-



Position	Part Number	Quantity	Description	Notes
1	01991080	1	Gasket	-
2	01991081	1	Cover	-
3	01991082	1	Dipstick	-
4	01991083	1	Support	-
5	01991084	1	Gasket	-
6	01991085	1	Cover	-
7	40080071	1	Electric motor	-
8	01991981	1	Joint	-
9	50031028	2.5 kg.	Pipe	-
10	50051108	2	Nut	-
11	50590008	1	Pipe fitting	-
12	50090038	3	Pipe fitting	-
13	50090128	3	Pipe fitting	-
14	50150108	2	Pipe fitting	-
15	50210128	2	Pipe fitting	-
16	50260128	2	Pipe fitting	-
17	50310006	1	Valve	-
18	50320108	2	Pipe fitting	-
19	50365007	2	Pipe fitting	-
20	50500040	1	Reduction adapter	-
21	50520007	1	Male plug	-
22	50520008	1	Male plug	-
23	50550136	2	Manometer	-
24		1	Pipe	-
25		1	Pipe	-
26	50700356	1	Pump	-
27	50840621	1	Housing	-
28	01991980	1	Flange	-
29	50840623	2	Flange	-
30	50851467	1	Valve	-
31	50851468	1	Valve	-
32	50630047	1	A.f.l. connector	-
33	50920023	1	Pipe fitting	-



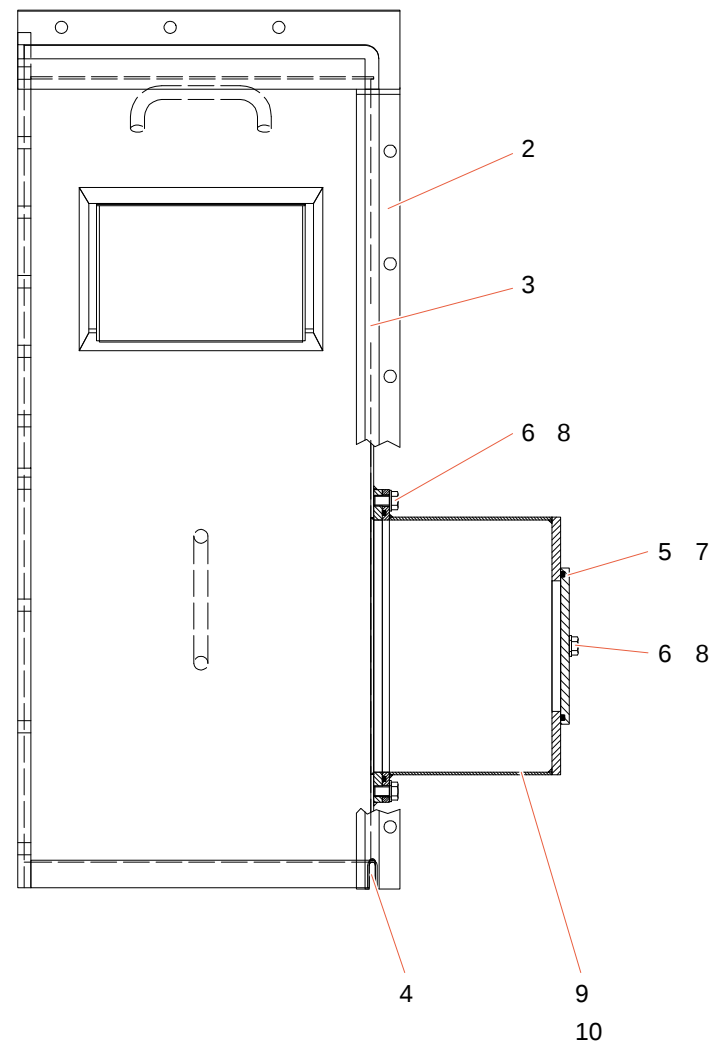
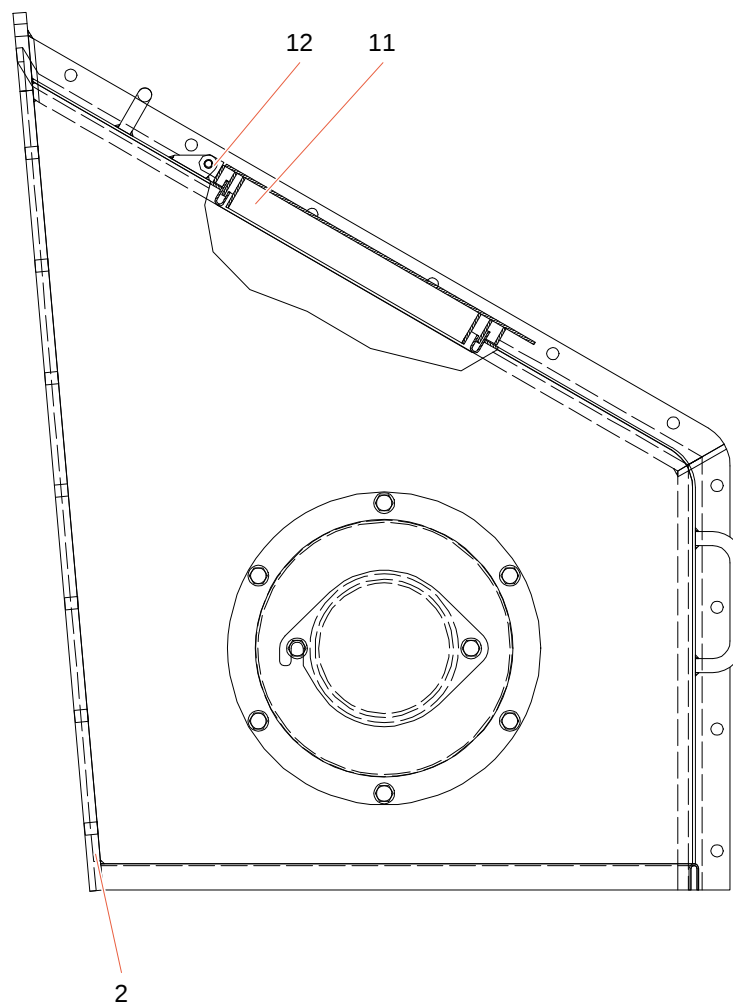
Position	Part Number	Quantity	Description	Notes
35	50971192	1	Filter	-
36	50971160	1	Filter	-
37	70351008	4	Screw	-
38	70351207	4	Screw	-
39	70351208	6	Screw	-
40	70351209	4	Screw	-
41	70371207	2	Screw	-
42	70350805	4	Screw	-
43	70661008	4	Nut	-
44	70901022	8	Plain washer	-
45	70901224	4	Plain washer	-
48	47108059	1	Thermostat	-
49	01991951	1	Support	-
50	01991979	1	Plate	-



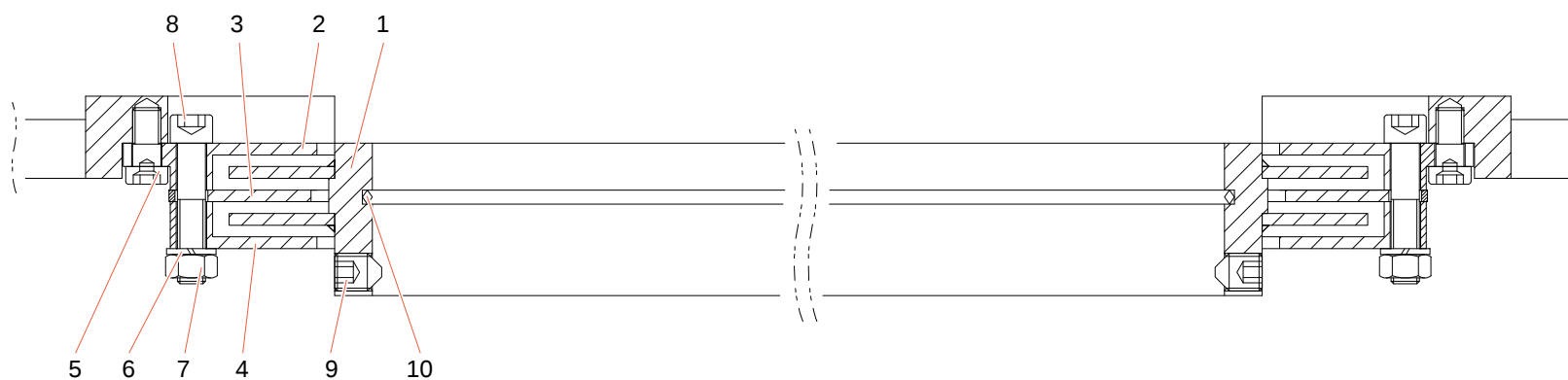
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11 Casing main frame group

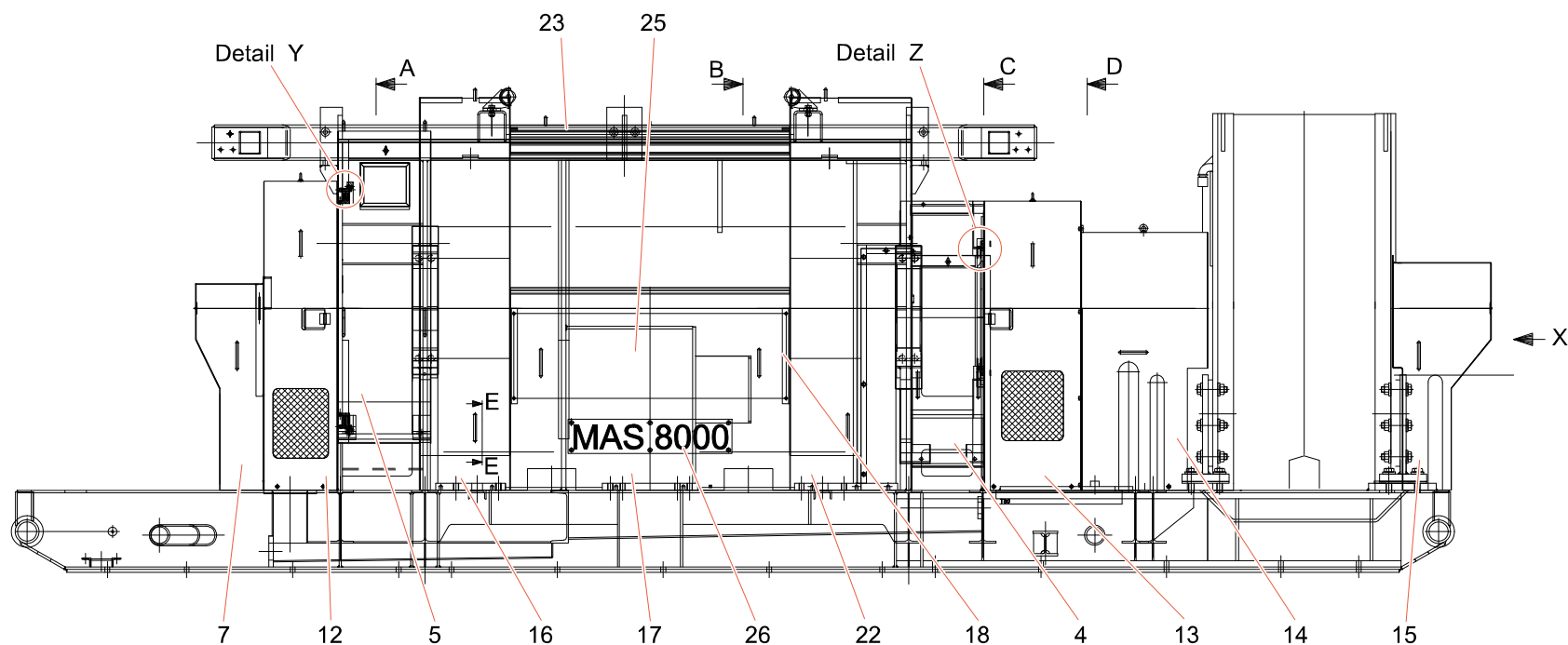
Table	Revision	Description	Notes
01990187 - 1	0 (03-2008)	Guard	-
01990309 - 1	0 (03-2008)	Labyrinth	-
01990347 - 1	0 (11-2011)	Casing main frame	-
01990347 - 2	0 (11-2011)	Casing main frame	-
01990347 - 3	0 (11-2011)	Casing main frame	-
01990368 - 1	0 (07-2008)	Guard	-
01990369 - 1	0 (07-2008)	Guard	-
01990385 - 1	0 (07-2008)	Wire rope pressure roller	-



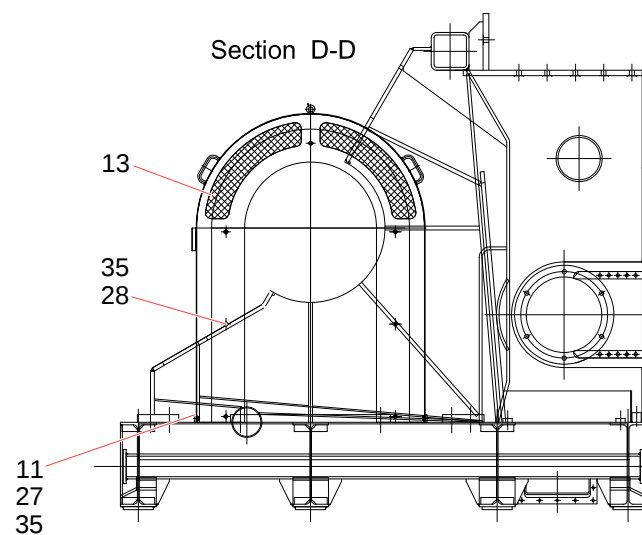
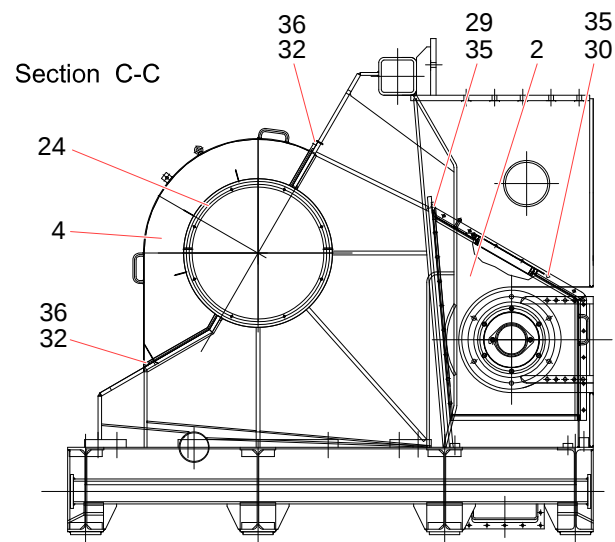
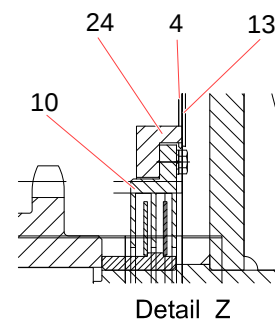
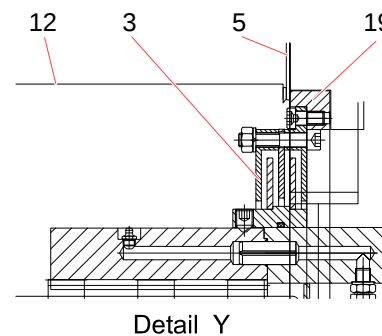
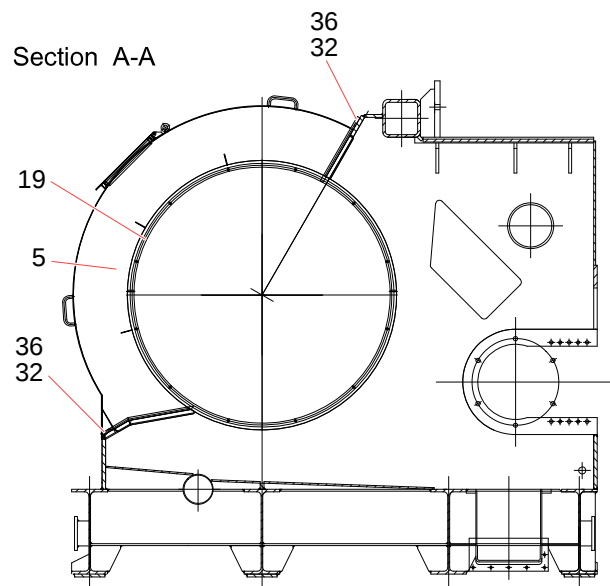
Position	Part Number	Quantity	Description	Notes
2	01990988	1	Guard	-
3	08800090	3 m.	Gasket	-
4	08800091	1.2 m.	Gasket	-
5	01990989	1	Cover	-
6	70351204	8	Screw	-
7	52108625	1	O-ring	-
8	70901224	8	Plain washer	-
9	01990990	1	Cover	-
10	08800092	1 m.	Gasket	-
11	01990884	1	Cover	-
12	71040305	1	Elastic pin	-



Position	Part Number	Quantity	Description	Notes
1	01991749	1	Ring	-
2	01991750	1	Ring	-
3	01991751	1	Ring	-
4	01991752	1	Ring	-
5	71020513	12	Screw	-
6	70911221	12	Spring washer	-
7	70661210	12	Nut	-
8	70371212	12	Screw	-
9	70491604	3	Headless screw	-
10	08800092	1 m.	Gasket	-

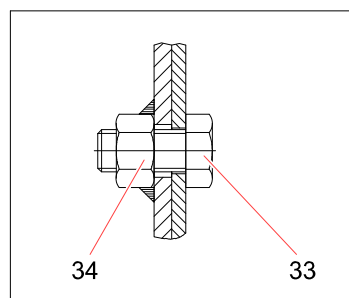


Position	Part Number	Quantity	Description	Notes
4	01990368	1	Guard group	★ 01990368-1
5	01990369	1	Guard group	★ 01990369-1
7	01991921	1	Guard	-
12	01991920	1	Guard	-
13	01991923	1	Guard	-
14	01991922	1	Guard	-
15	01991928	1	Guard	-
16	01991925	1	Guard	-
17	01991926	1	Front guard	-
18	01991745	2	L profile	-
22	01991927	1	Guard	-
23	01991924	1	Guard	-
25	09534013	1	Indication plate	-
26		1	Data plate	-

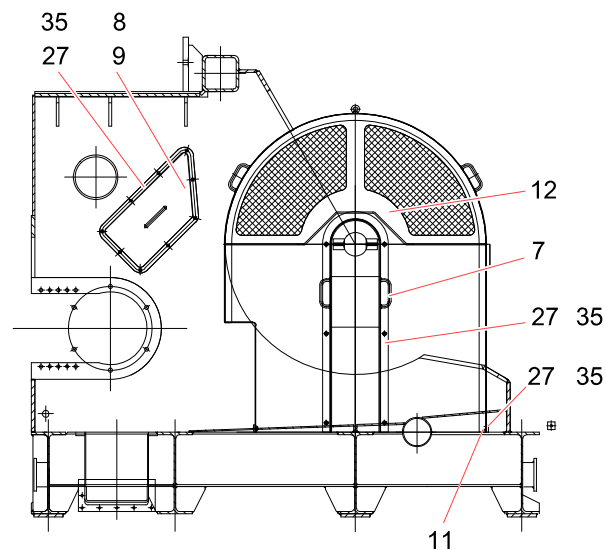
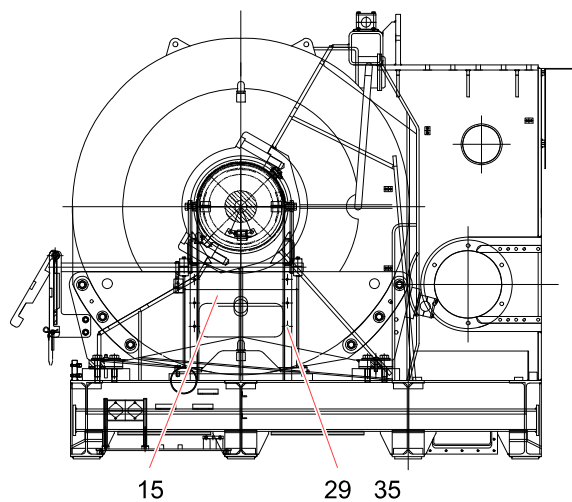


Position	Part Number	Quantity	Description	Notes
2	01990187	1	Guard assembly	★ 01990187-1
3	01990309	1	Labyrinth	★ 01990309-1
4	01990368	1	Guard group	★ 01990368-1
5	01990369	1	Guard group	★ 01990369-1
10	01991018	1	Labyrinth	-
11	01991025	8	Plate	-
12	01991920	1	Guard	-
13	01991923	1	Guard	-
19	01991746	1	Ring	-
24	01991758	1	Ring	-
27	70351206	20	Screw	-
28	70351207	5	Screw	-
29	70351208	11	Screw	-
30	70351209	24	Screw	-
32	70351608	12	Screw	-
35	70901224	62	Plain washer	-
36	70901630	12	Plain washer	-

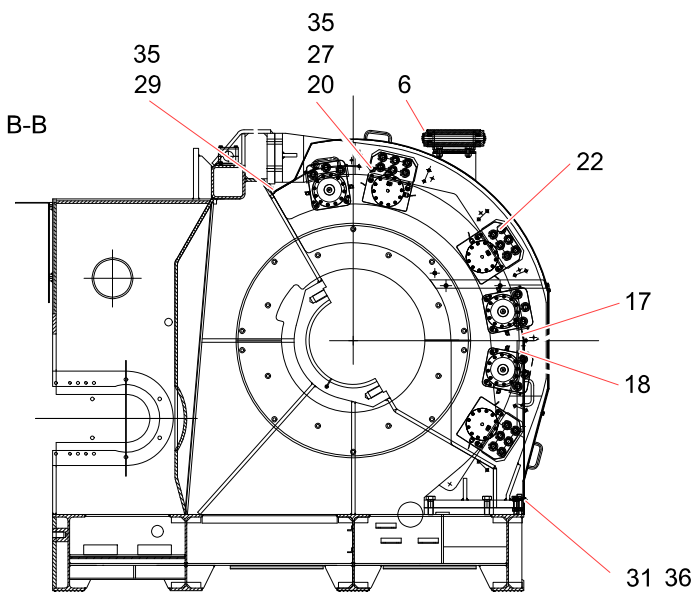
Section E-E



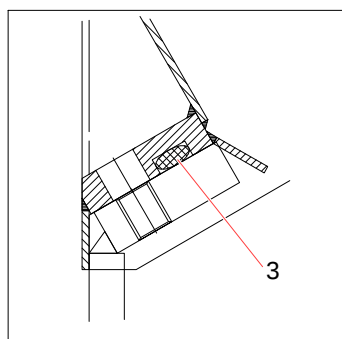
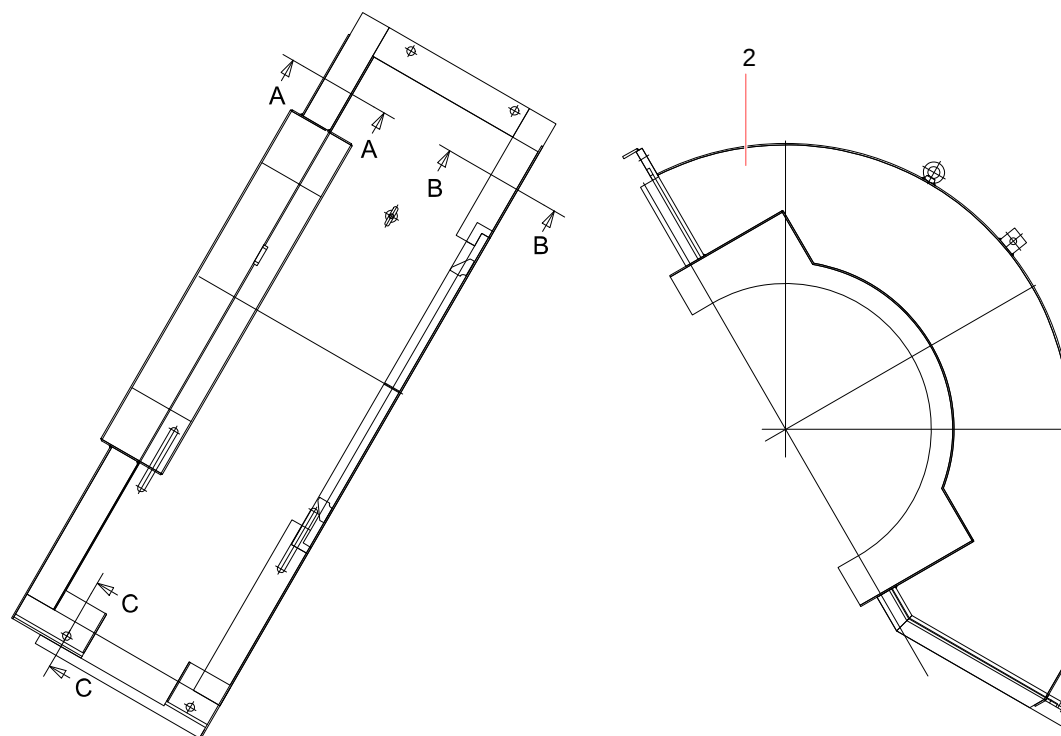
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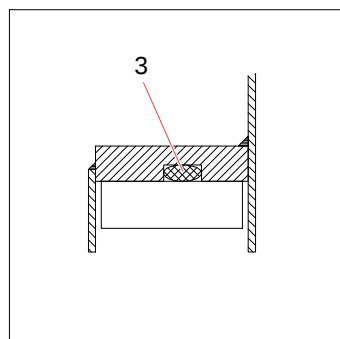
Section B-B



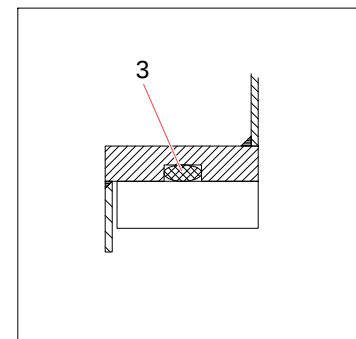
Position	Part Number	Quantity	Description	Notes
6	01990385	2	Roller	★ 01990385-1
7	01991921	1	Guard	-
8	01991001	1	Guard	-
9	01991002	1	Gasket	-
11	01991025	8	Plate	-
12	01991920	1	Guard	-
15	01991928	1	Guard	-
17	01991926	1	Front guard	-
18	01991745	2	L profile	-
20	01991747	5	Plate	-
22	01991927	1	Guard	-
27	70351206	20	Screw	-
29	70351208	11	Screw	-
31	70351604	7	Screw	-
33	70421205	6	Screw	-
34	70661212	6	Nut	-
35	70901224	62	Plain washer	-
36	70901630	12	Plain washer	-



Section C-C

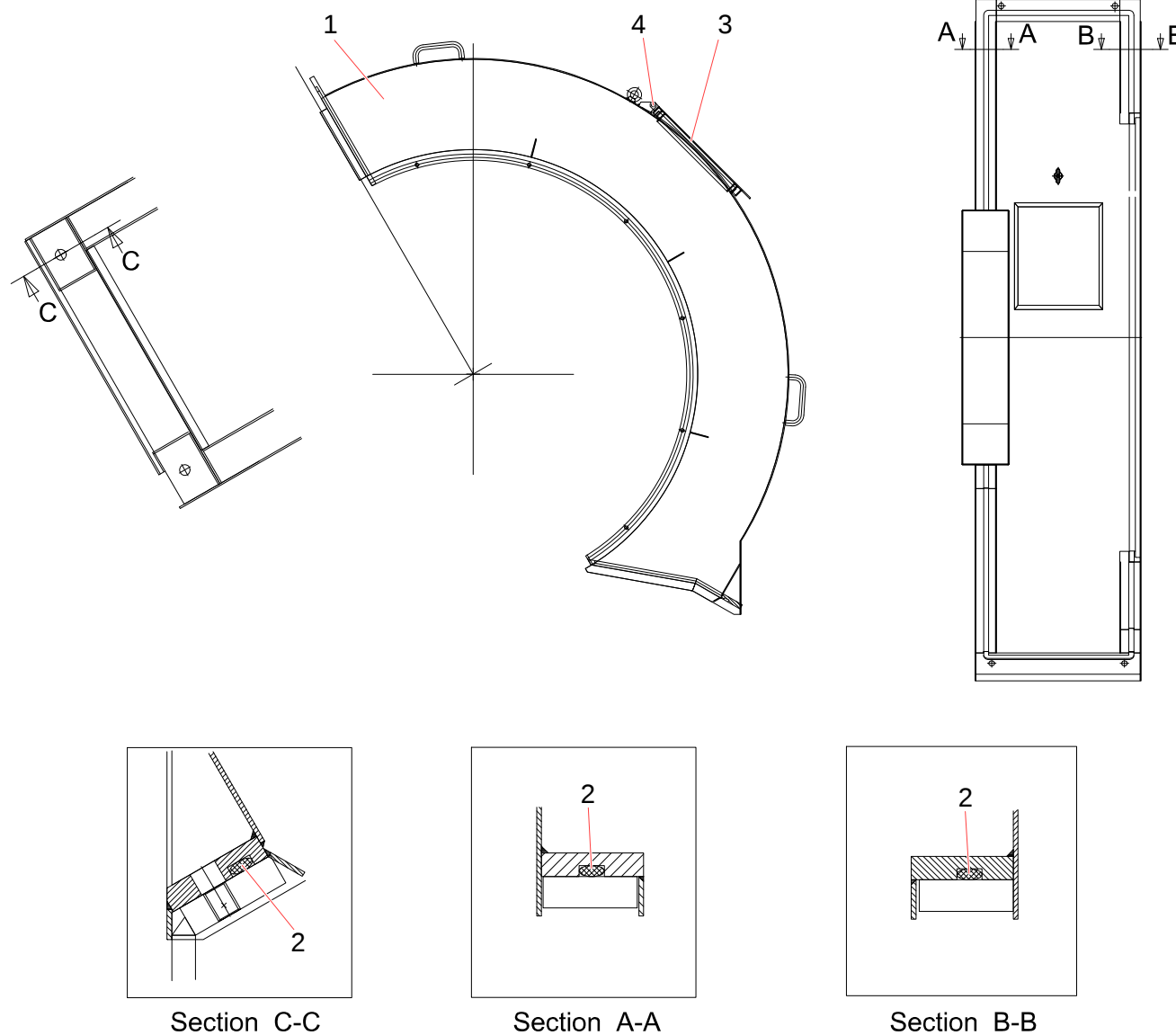


Section A-A

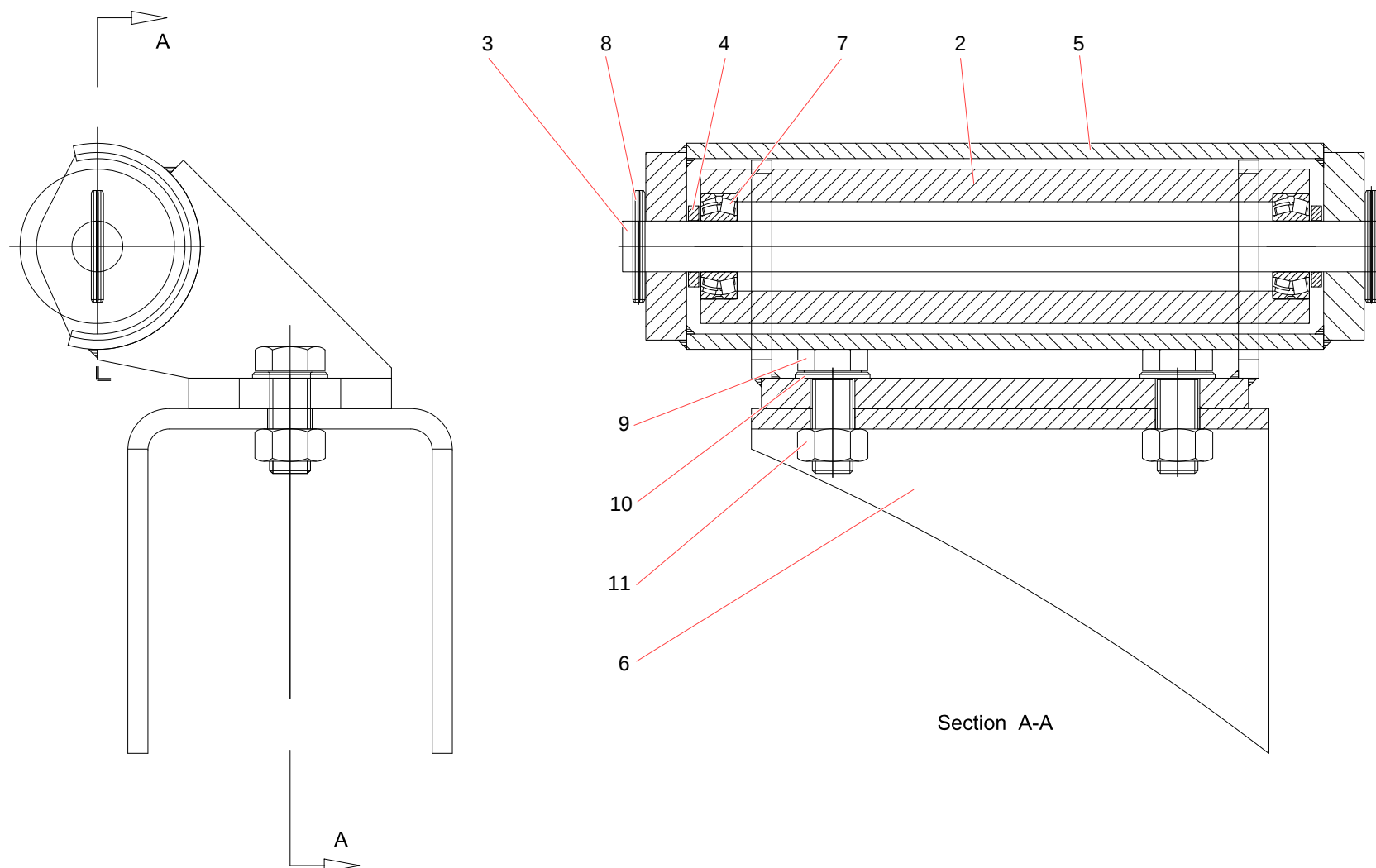


Section B-B

Position	Part Number	Quantity	Description	Notes
2	01991929	1	Guard	-
3	08800090	3 m.	Gasket	-



Position	Part Number	Quantity	Description	Notes
1	01991930	1	Carter	-
2	08800090	3 m.	Gasket	-
3	01991031	1	Cover	-
4	71040305	1	Elastic pin	-



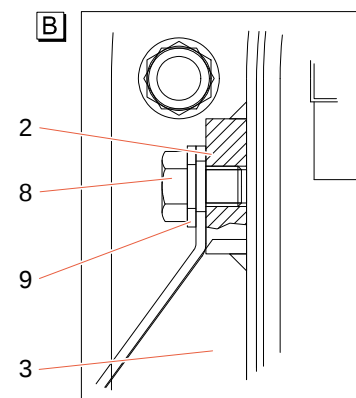
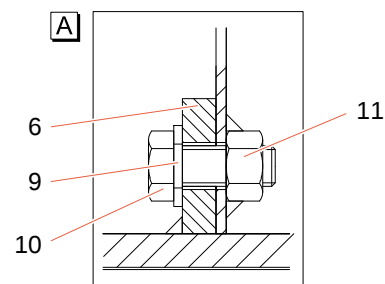
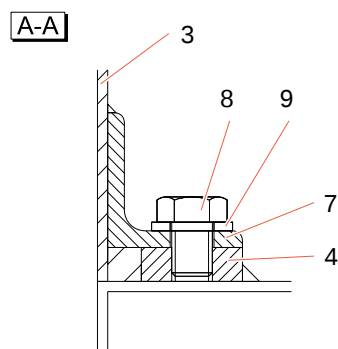
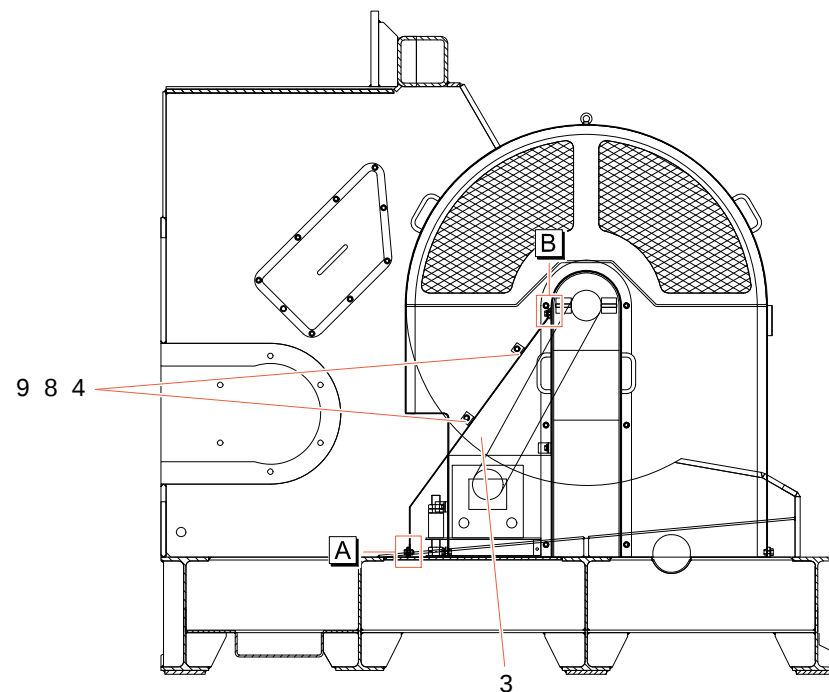
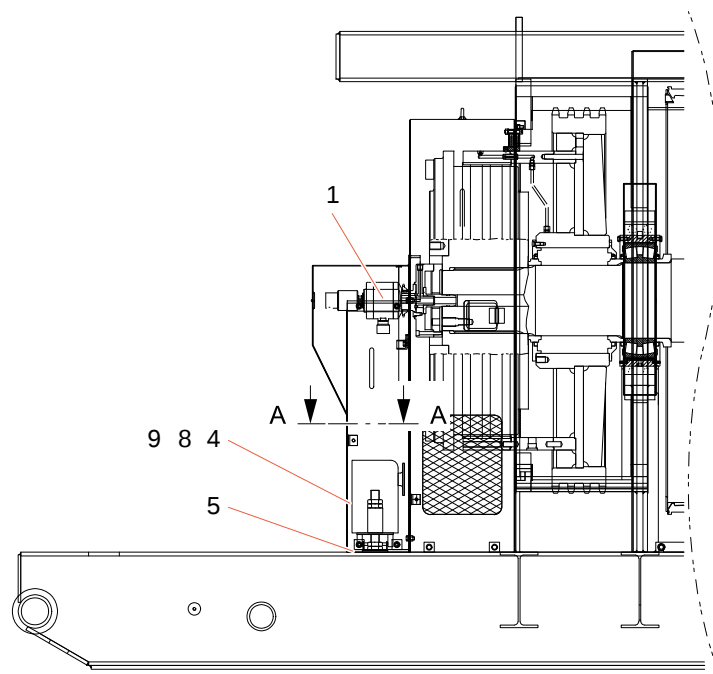
Position	Part Number	Quantity	Description	Notes
2	01991063	1	Roller	-
3	01991064	1	Pin	-
4	01991065	2	Spacer	-
5	01991066	1	Support	-
6	01991931	1	Support	-
7	61160084	2	Bearing	-
8	71040612	2	Elastic pin	-
9	70352010	2	Screw	-
10	70902038	2	Plain washer	-
11	70662020	2	Nut	-



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12 Crown block saver group

Table	Revision	Description	Notes
01990295 - 1	0 (03-2008)	Twin-stop block protector installation	-
01990296 - 1	0 (03-2008)	Crown block saver installation	-





Functional group: Crown block saver group

Twin-stop block protector installation

Functional Group Number

12

Table Number

01990295 - 1

Revision

0 (03-2008)

MAS8000 - Serial no. 12760

Spare parts catalogue CR199015 - Revision: 0

Position	Part Number	Quantity	Description	Notes
1	40391366	1	Twin stop crown block protector	□
1.A	RI40391366-01	1	Mattco 400 bear cat twin stop	



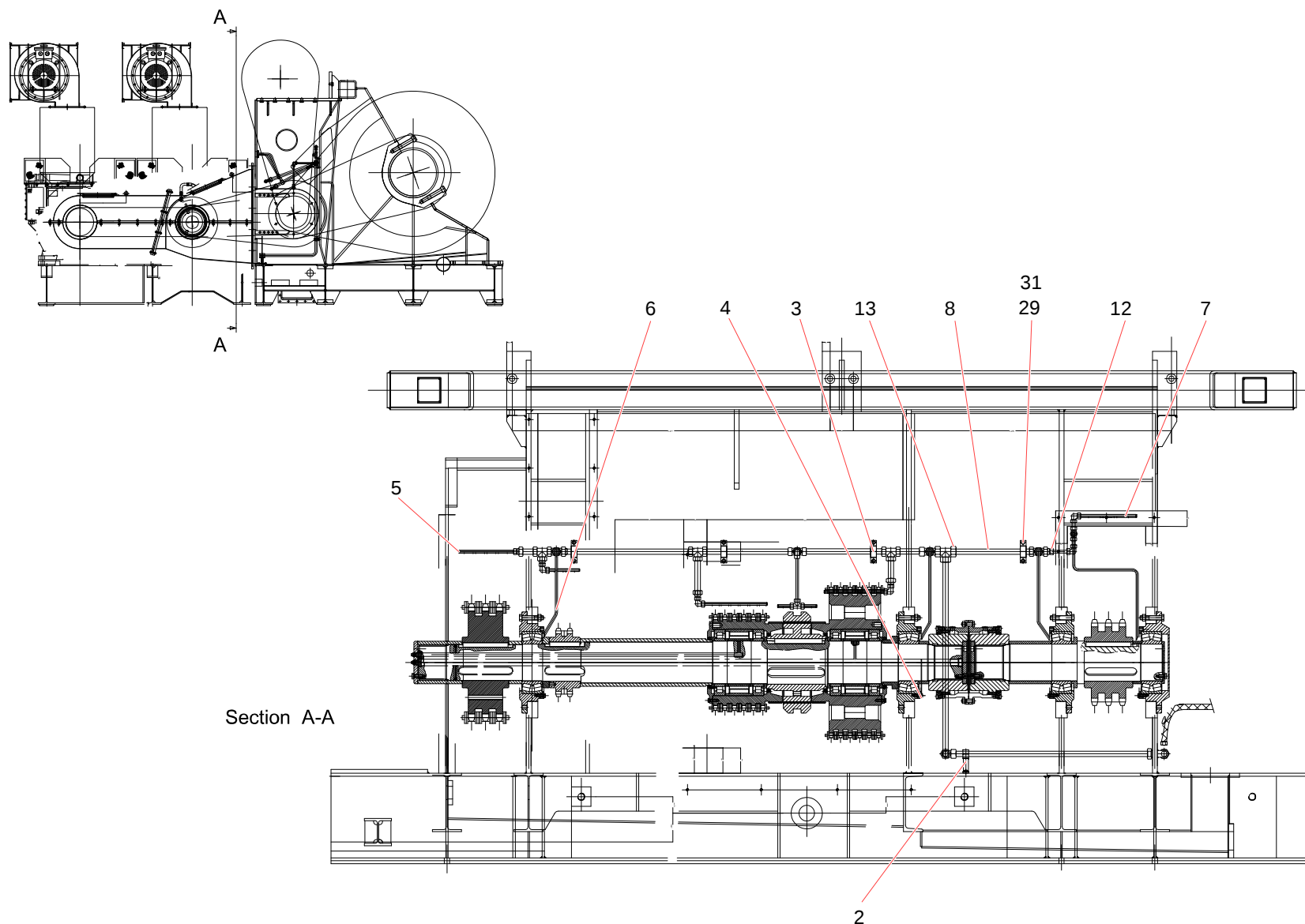
Position	Part Number	Quantity	Description	Notes
1	01991818	2	Support	-
2	40391367	1	Sensor	α
2.A	RI40391367-02	1	Repair kit	



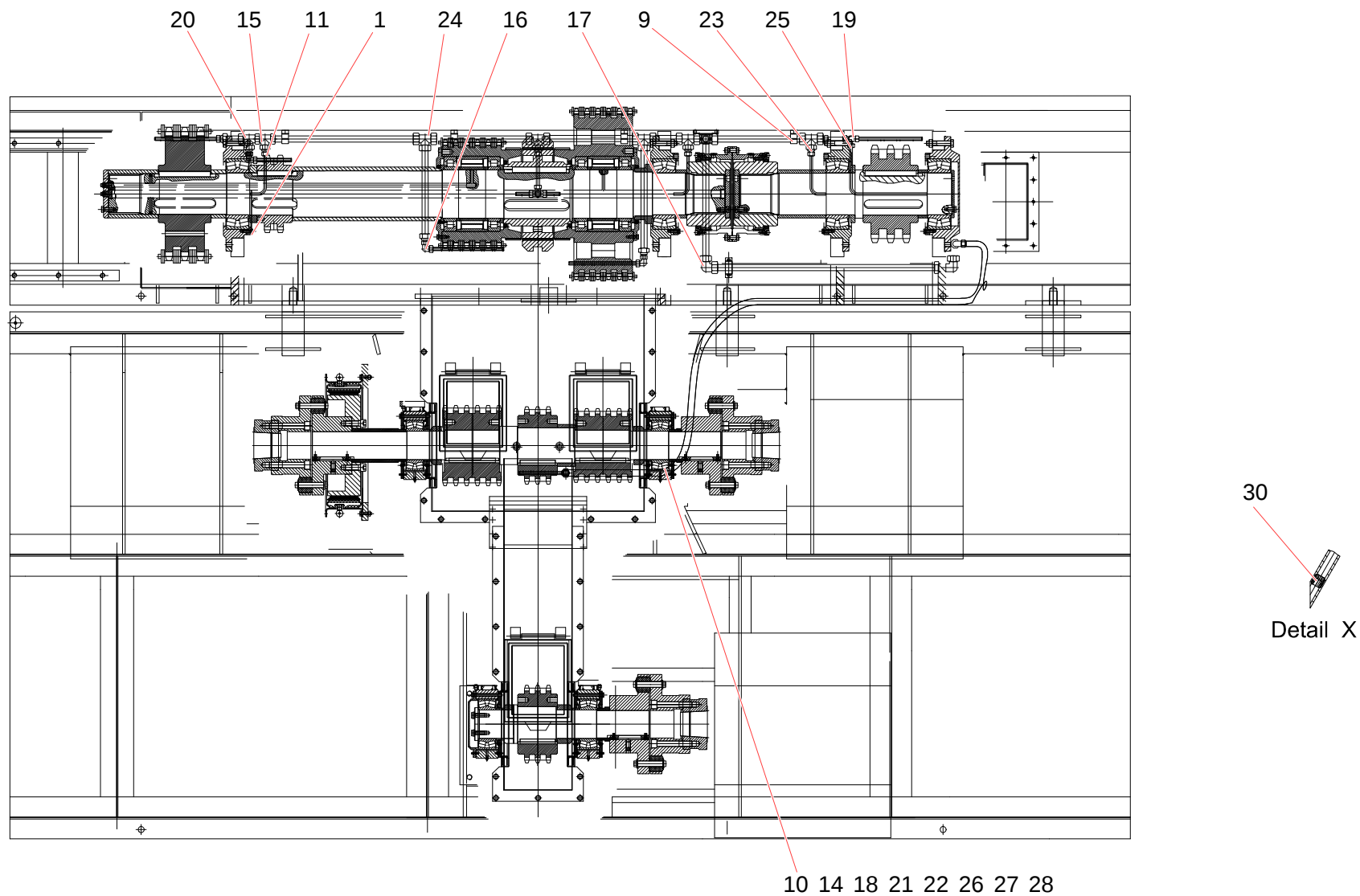
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13 Drawworks lubricating hydraulic pipe group

Table	Revision	Description	Notes
01990355 - 1	0 (07-2008)	Drawworks lubricating hydraulic pipe	-
01990355 - 2	0 (07-2008)	Drawworks lubricating hydraulic pipe	-



Position	Part Number	Quantity	Description	Notes
2	01991090	1	Support	-
3	01991091	5	Plate	-
4	01991813	3	Sealing ring	-
5	08030030	7 kg.	Metal sheet	-
6	50030013	1 kg.	Pipe	-
7	50030015	1 kg.	Pipe	-
8	50031028	1 kg.	Pipe	-
12	50051115	11	Nut	-
13	50051128	20	Nut	-
29	70351006	16	Screw	-
31	70911017	16	Spring washer	-



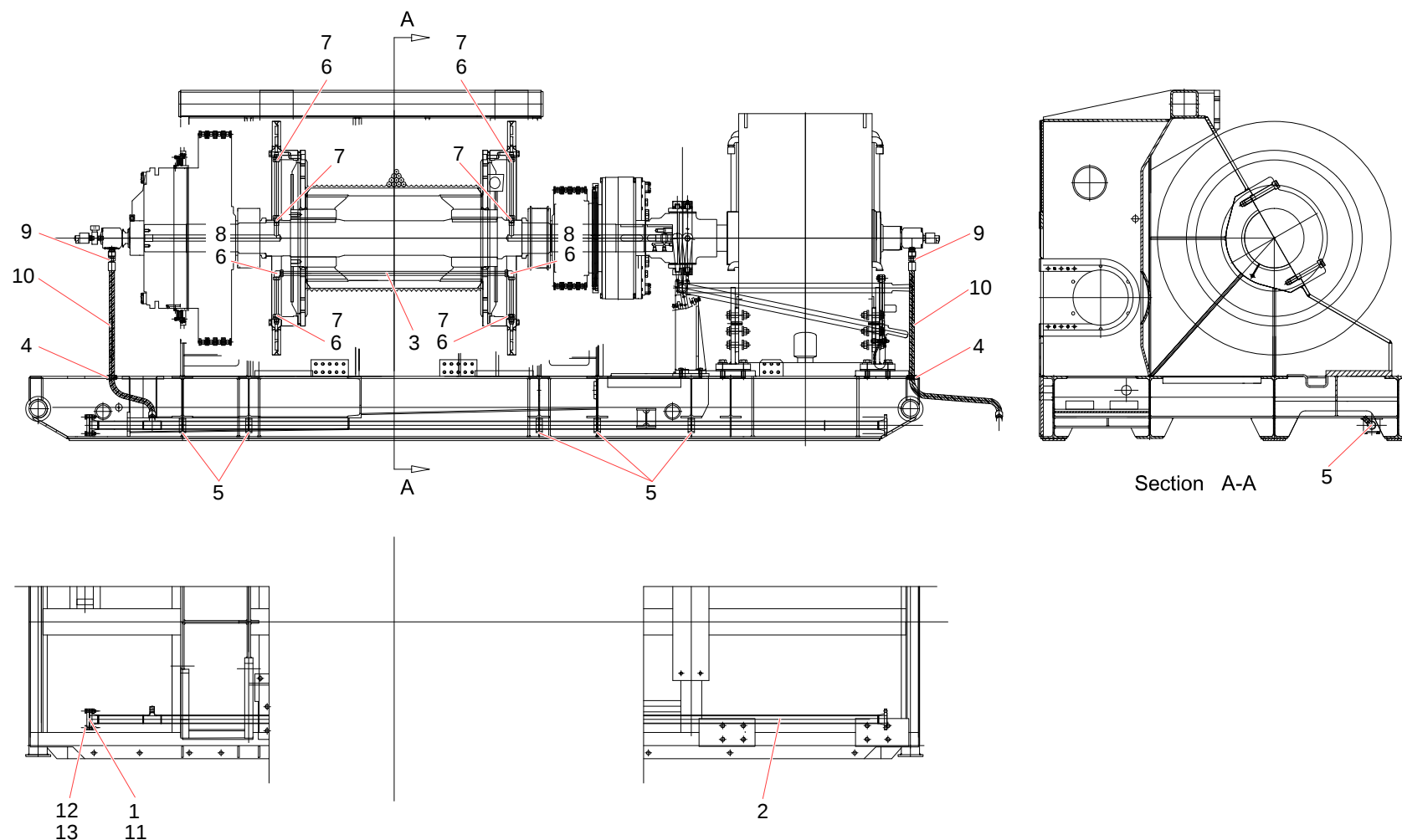
Position	Part Number	Quantity	Description	Notes
1	01990812	1	Ring	-
9	50041113	8	Clamp	-
10	50051030	4	Nut	-
11	50051112	4	Nut	-
14	50090016	1	Pipe fitting	-
15	50140128	2	Pipe fitting	-
16	50160128	5	Pipe fitting	-
17	50170128	1	Pipe fitting	-
18	50180030	1	Pipe fitting	-
19	50180115	2	Pipe fitting	-
20	50180128	6	Pipe fitting	-
21	50210030	1	Pipe fitting	-
22	50363016	1	Pipe fitting	-
23	50365008	3	Reduction adapter	-
24	50365018	5	Reduction adapter	-
25	50365019	1	Reduction adapter	-
26	50580100	1	Quick connection	-
27	50590111	1	Pipe fitting	-
28	506010290	1	Flexible hose	-
30	70461002	4	Headless screw	-



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14 Brake cooling system group

Table	Revision	Description	Notes
01990356 - 1	0 (07-2008)	Brake cooling system	-



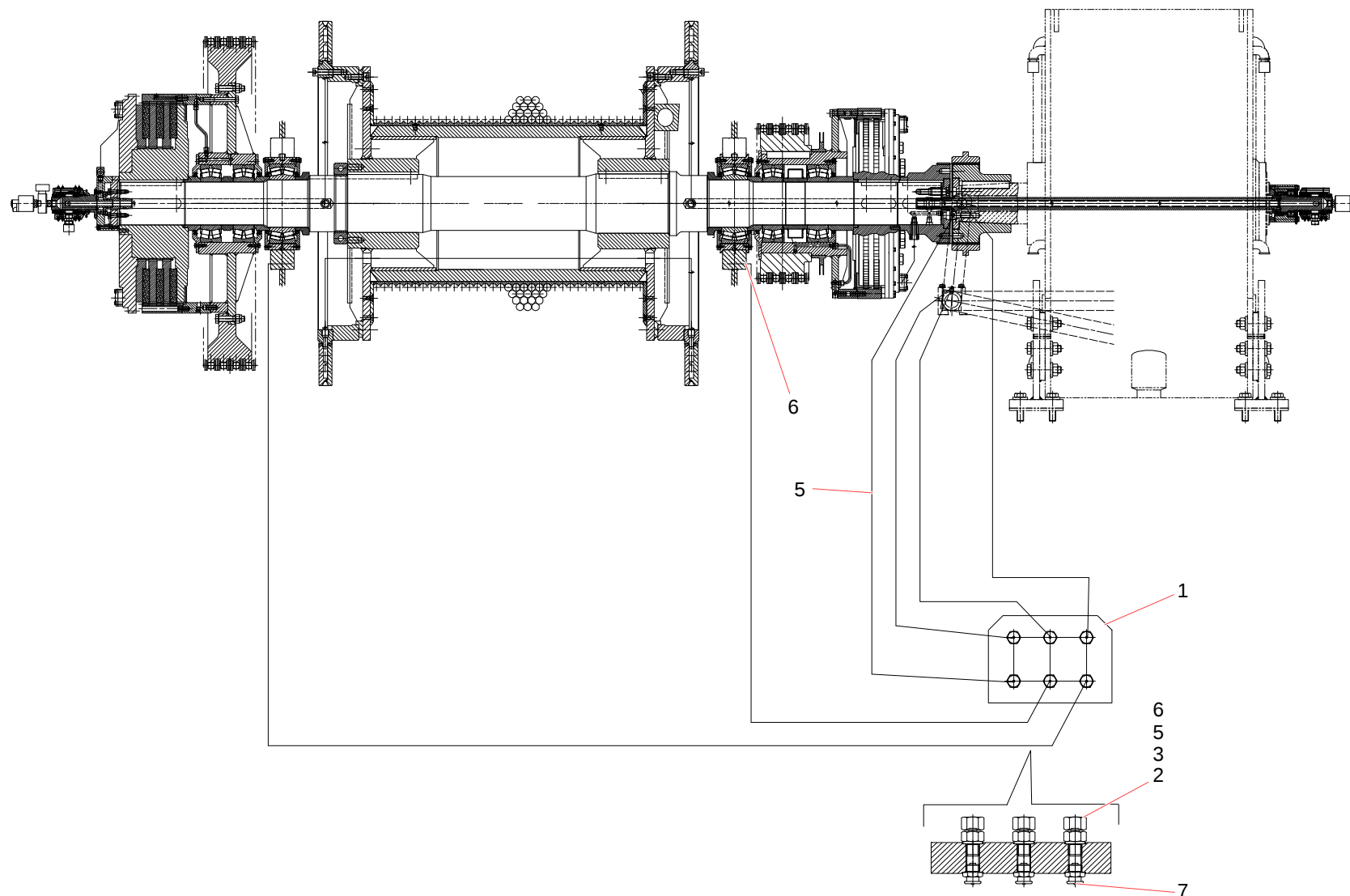
Position	Part Number	Quantity	Description	Notes
1	01960496	2	Gasket	-
2	01991950	1	Flow pipe	-
3	50030030	25 kg.	Pipe	-
4	50041043	2	Clamp	-
5	50041047	5	Clamp	-
6	50051030	10	Nut	-
7	50090030	6	Pipe fitting	-
8	50170030	2	Pipe fitting	-
9	50590008	2	Pipe fitting	-
10		2	Hose	-
11	50960034	2	Flange	-
12	70351812	8	Screw	-
13	70661818	8	Nut	-



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15 Grease system group

Table	Revision	Description	Notes
01990357 - 1	0 (07-2008)	Grease system	-



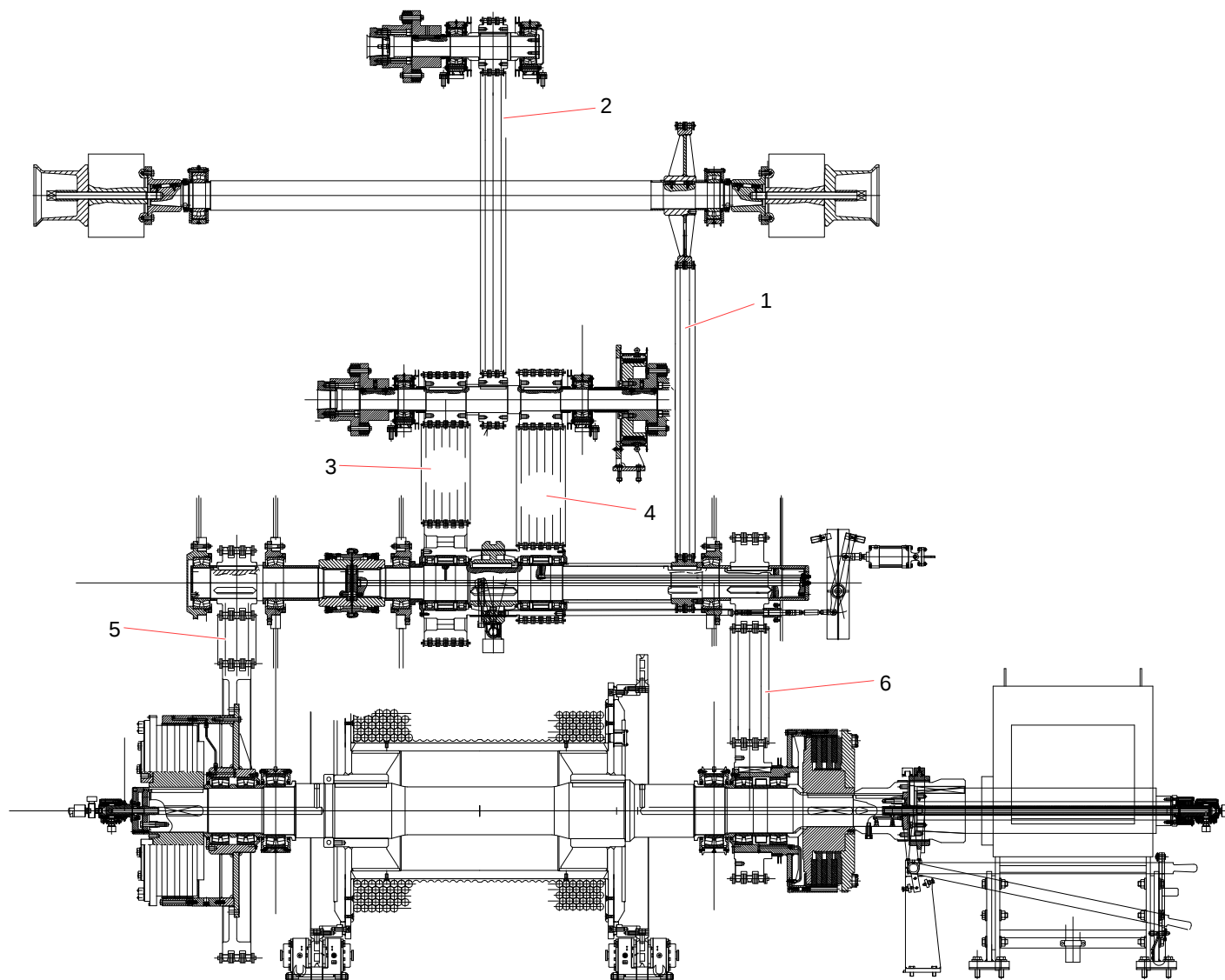
Position	Part Number	Quantity	Description	Notes
1	01990897	1	Ring	-
2	50051106	12	Nut	-
3	50091006	6	Pipe fitting	-
4	50101007	2	Pipe fitting	-
5	50610612	1 m.	Pipeline	-
6	50940182	12	Pipe fitting	-
7	61000007	6	Greasing nipple	-



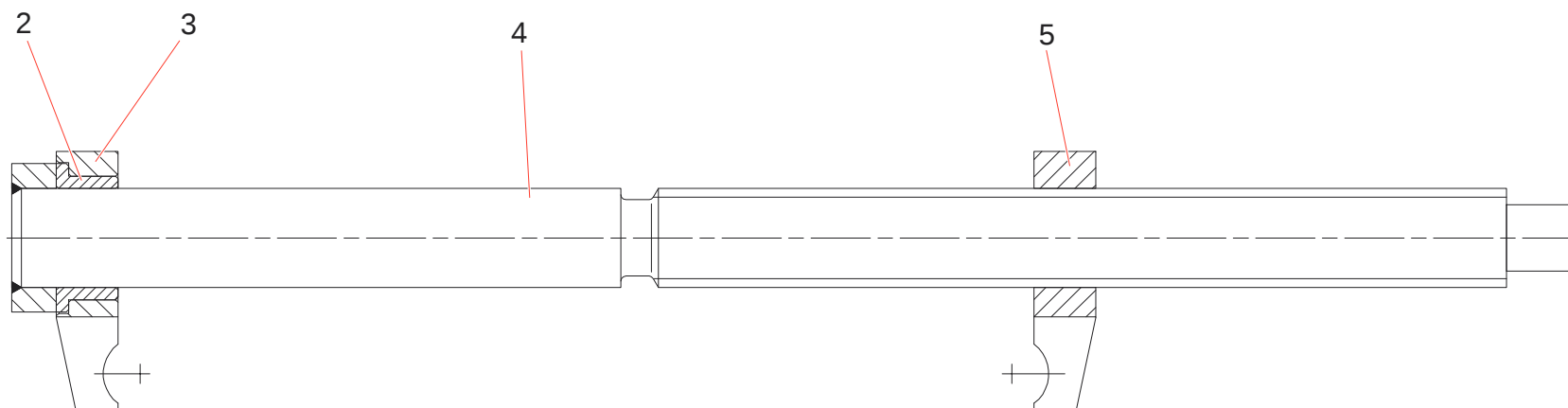
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16 Roller chain group

Table	Revision	Description	Notes
01990358 - 1	0 (07-2008)	Roller chain	-
01990370 - 1	0 (07-2008)	Roller chain tension device	-



Position	Part Number	Quantity	Description	Notes
1	01990805	1	Chain	□
1.A	RI01990805-01	1	Half link chain	
2	01991891	1	Chain	-
3	01991892	1	Chain	-
4	01991893	1	Chain	-
5	01991894	1	Chain	-
6	01991895	1	Chain	-



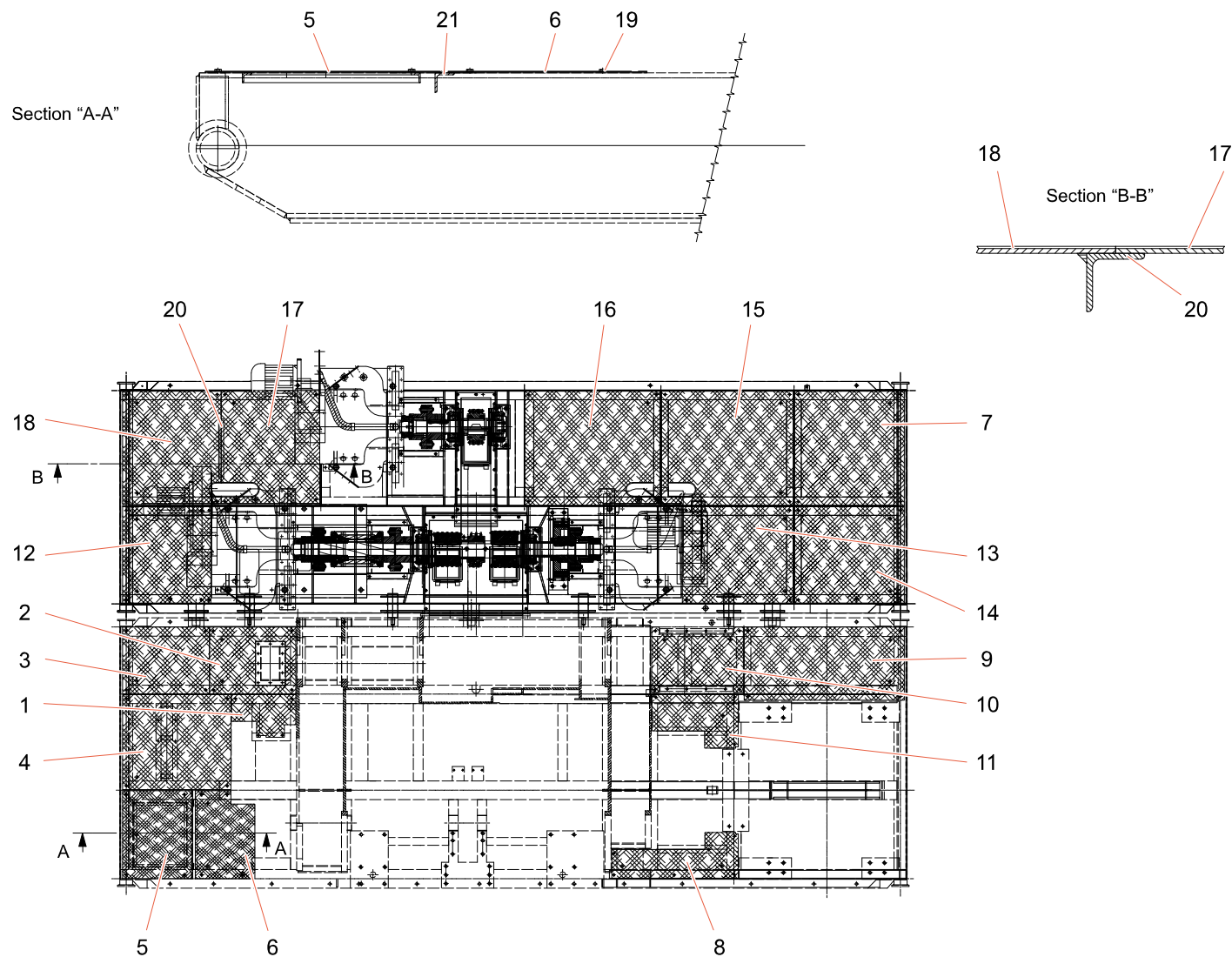
Position	Part Number	Quantity	Description	Notes
2		1	Bushing	-
3		1	# description not available	-
4		1	Tie rod	-
5		1	# description not available	-



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17 Platforms group

Table	Revision	Description	Notes
01991270 - 1	0 (11-2011)	Platforms	-



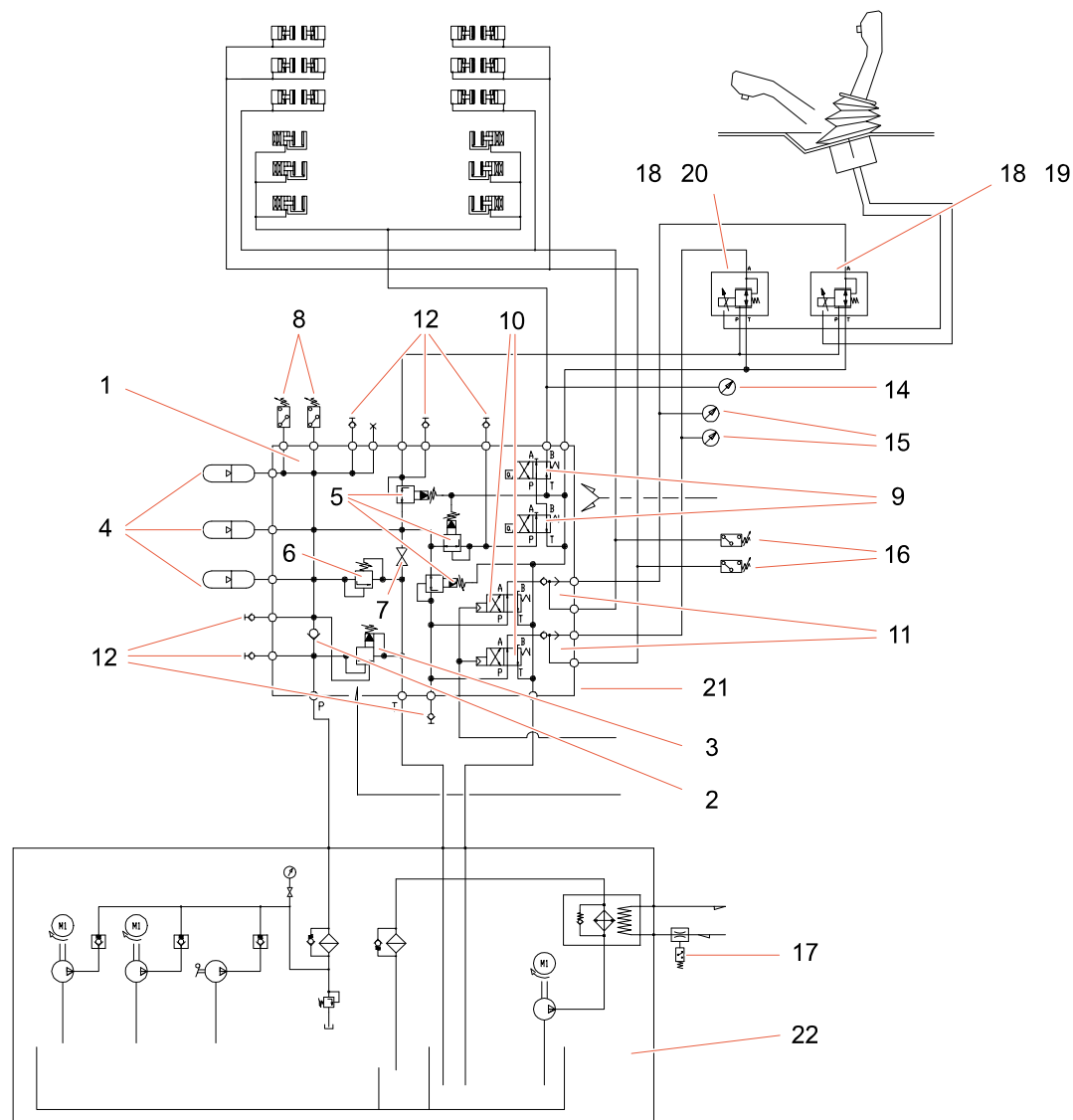
Position	Part Number	Quantity	Description	Notes
1	01991932	1	Flooring	-
2	01991933	1	Flooring	-
3	01991934	1	Flooring	-
4	01991935	1	Flooring	-
5	01991937	1	Flooring	-
6	01991936	1	Flooring	-
7	01991938	1	Flooring	-
8	01991939	1	Flooring	-
9	01991940	1	Flooring	-
10	01991941	1	Flooring	-
11	01991942	1	Flooring	-
12	01992769	1	Footboard	-
13	01991944	1	Flooring	-
14	01991945	1	Flooring	-
15	01991946	1	Flooring	-
16	01991947	1	Flooring	-
17	01992770	1	Footboard	-
18	01992771	1	Footboard	-
19	70351205	77	Screw	-
20	08470021	4.5 kg.	L profile	-
21	08470029	5 kg.	Angular plate 60x6	-



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18 Hydraulic brake system group

Table	Revision	Description	Notes
01991183 - 1	0 (06-2011)	Hydraulic brake system	-



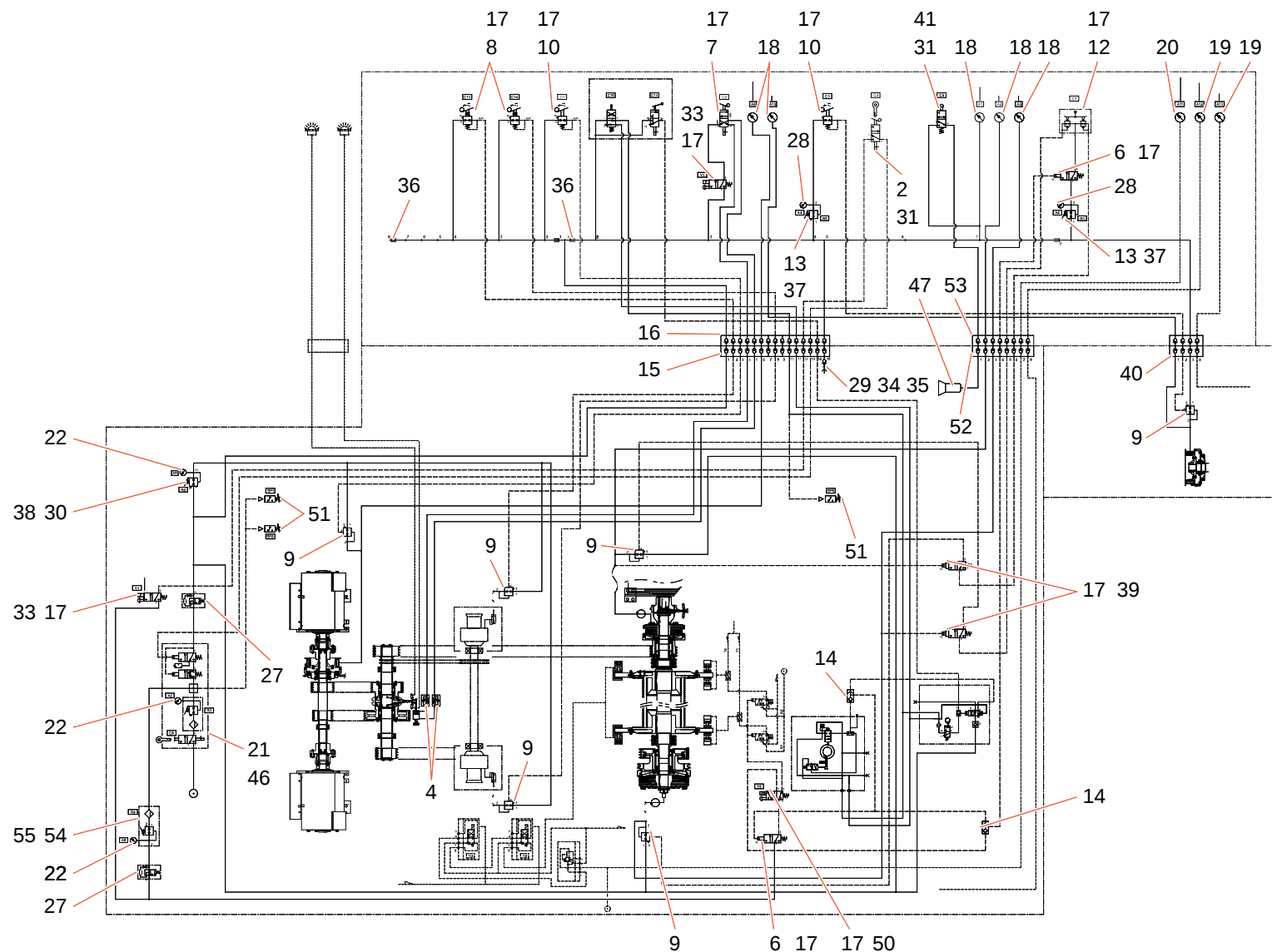
Position	Part Number	Quantity	Description	Notes
1		1	Block	-
2		1	Valve	-
3		1	Valve	-
4		3	Accumulator	-
5		3	Valve	-
6		1	Pressure relief valve	-
7		1	Valve	-
8		2	Pressure switch	-
9		2	Valve	-
10		2	Main valve	-
11		2	Valve	-
12		6	Connection	-
13		1	Bracket	-
14	50550511	1	Manometer	-
15	50550510	2	Manometer	-
16	47108106	2	Pressure switch	-
17	47108061	1	Flowmeter	-
18	50660061	2	Plate	-
19	50851788	1	Valve	-
20	50851789	1	Valve	-
21	50851707	1	Hydraulic block	-
22	01170464	1	Hydraulic power unit	-



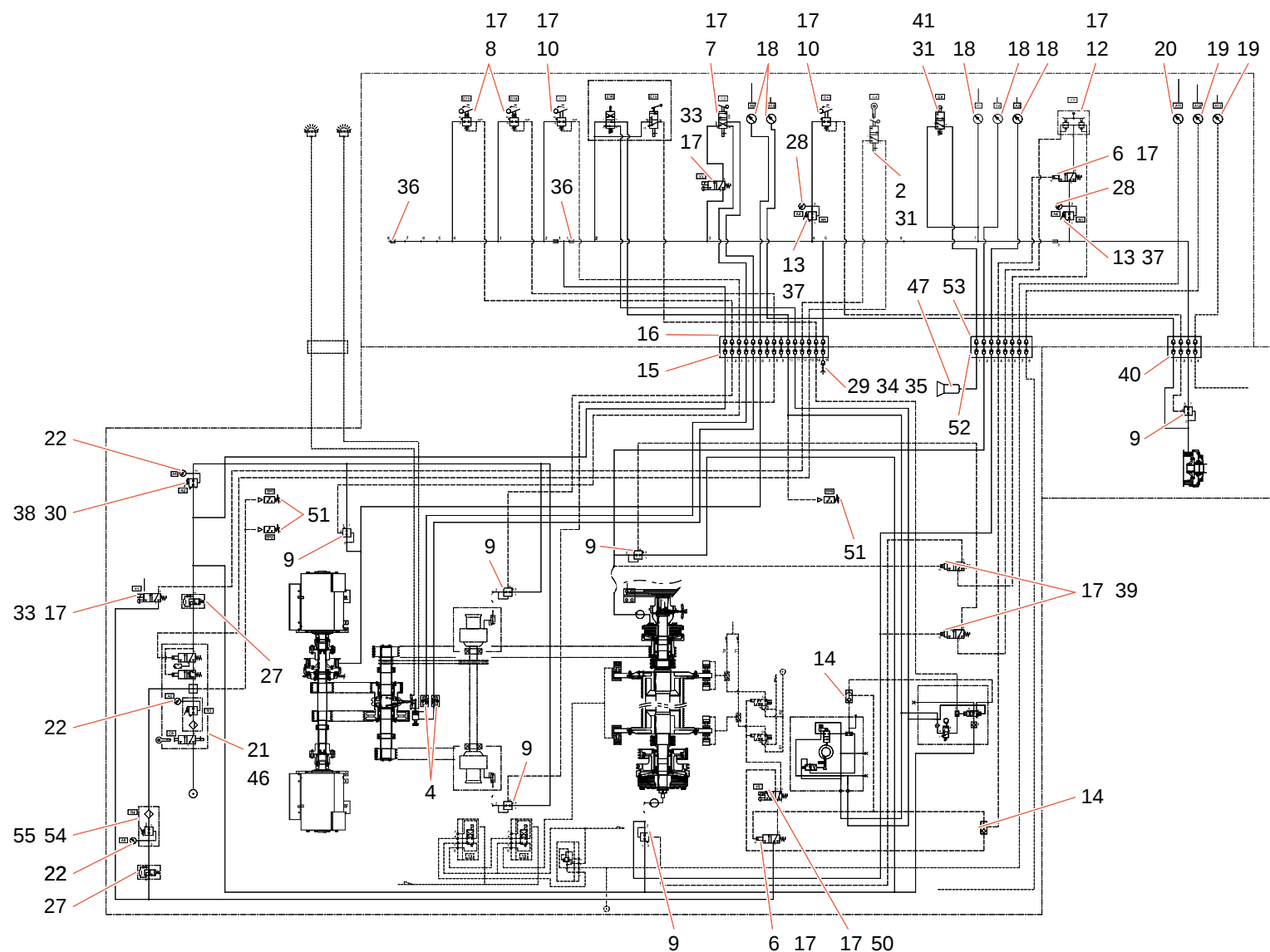
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19 Pneumatic system group

Table	Revision	Description	Notes
01991112 - 1	0 (04-2009)	Pneumatic system	-



Position	Part Number	Quantity	Description	Notes
2	50640583	1	Selector	-
4	50640654	2	Valve	-
6	50640409	2	Valve	-
7	50640749	1	Valve	-
8	50640643	2	Valve	-
9	50640658	6	Valve	-
10	50640273	2	Valve	-
12	50640642	1	Valve	-
13	50641084	1	Regulator	-
14	50640257	2	Valve	-
15	50580389	1	Quick coupling	-
16	50580388	1	Quick coupling	-
17	50641167	15	Silencer	-
18	50550143	5	Manometer	-
19	50550144	2	Manometer	-
20	50550146	1	Manometer	-
21	50641570	1	Air treatment unit	-
22	50550142	2	Manometer	-
27	50640414	2	Antifreezer	-
28	50550141	1	Manometer	-
29	50590002	1	Pipe fitting	-
30	50641083	1	Regulator	-
31	50640890	2	Silencer	-
33	50640779	2	Solenoid valve	-
34	50640385	1	Female coupling	-
35	50640386	1	Male coupling	-
36	50470363	2	Manifold	-
37	50640884	1	Bracket	-
38	50640885	1	Bracket	-
39	50640898	2	Valve	-
40	50580863	1	Coupling	-
41	50641599	1	Valve	-
46	50640901	1	Bracket kit	-



Position	Part Number	Quantity	Description	Notes
47	50640865	1	Horn	-
50	50640780	1	Valve	-
51	47108136	3	Pressure switch	-
52	50580393	1	Quick coupling	-
53	50580392	1	Quick coupling	-
54	50641528	1	Filter	α
54.A	RI50641528-01	1	Filter cartridge	
55	50641181	1	Bracket	-

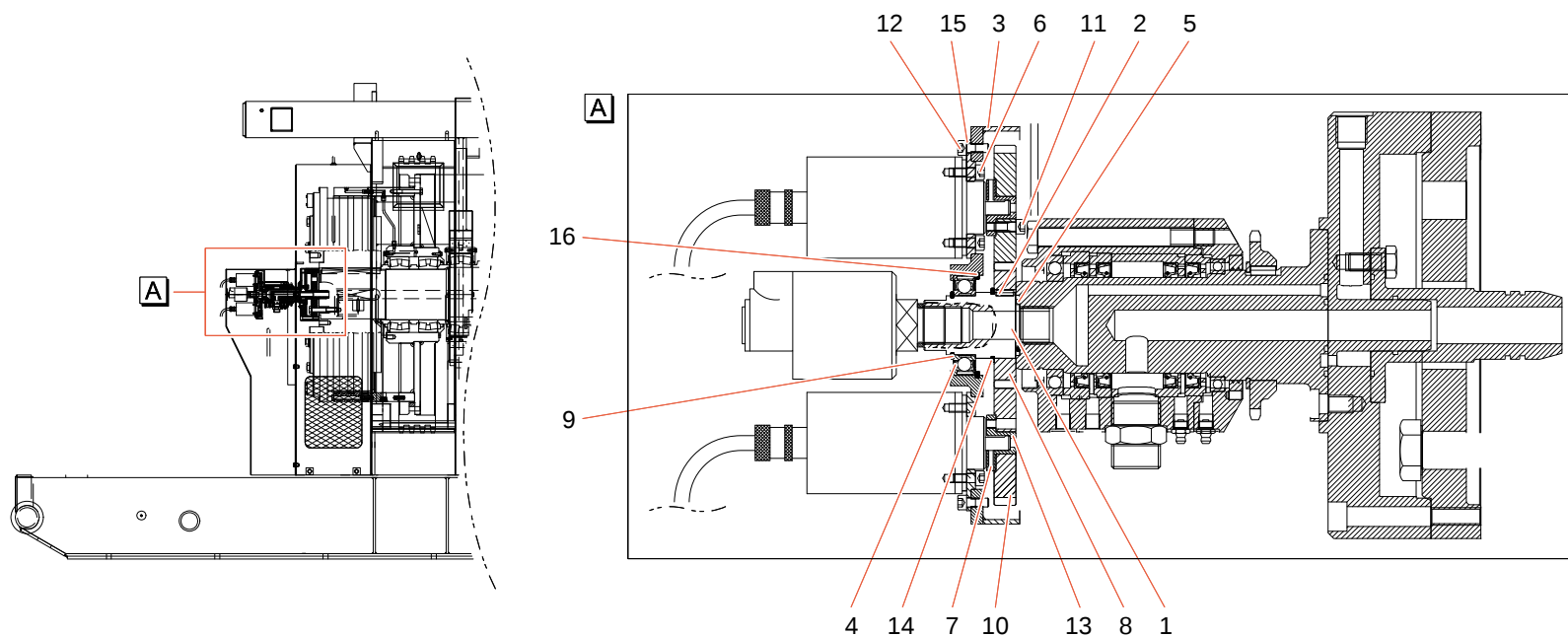


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Encoder application group

Table	Revision	Description	Notes
01985006 - 1	0 (07-2009)	Encoder application	-



Position	Part Number	Quantity	Description	Notes
1	01987485	1	Shaft	-
2	71060402	1	Tang	-
3	01987486	1	Disc	-
4	61083039	1	Bearing	-
5	52103118	1	O-ring	-
6	70370603	9	Screw	-
7	70490402	6	Headless screw	-
8	01987480	1	Z=32 gear	-
9	70590040	1	Retaining ring	-
10	01987481	3	Z=32 gear	-
11	70370604	9	Screw	-
12	70370602	9	Screw	-
13	01987483	3	Hub	-
14	70590045	1	Retaining ring	-
15	01987484	3	Flange	-
16	70600068	1	Retaining ring	-