

SPARE PARTS

C8,5

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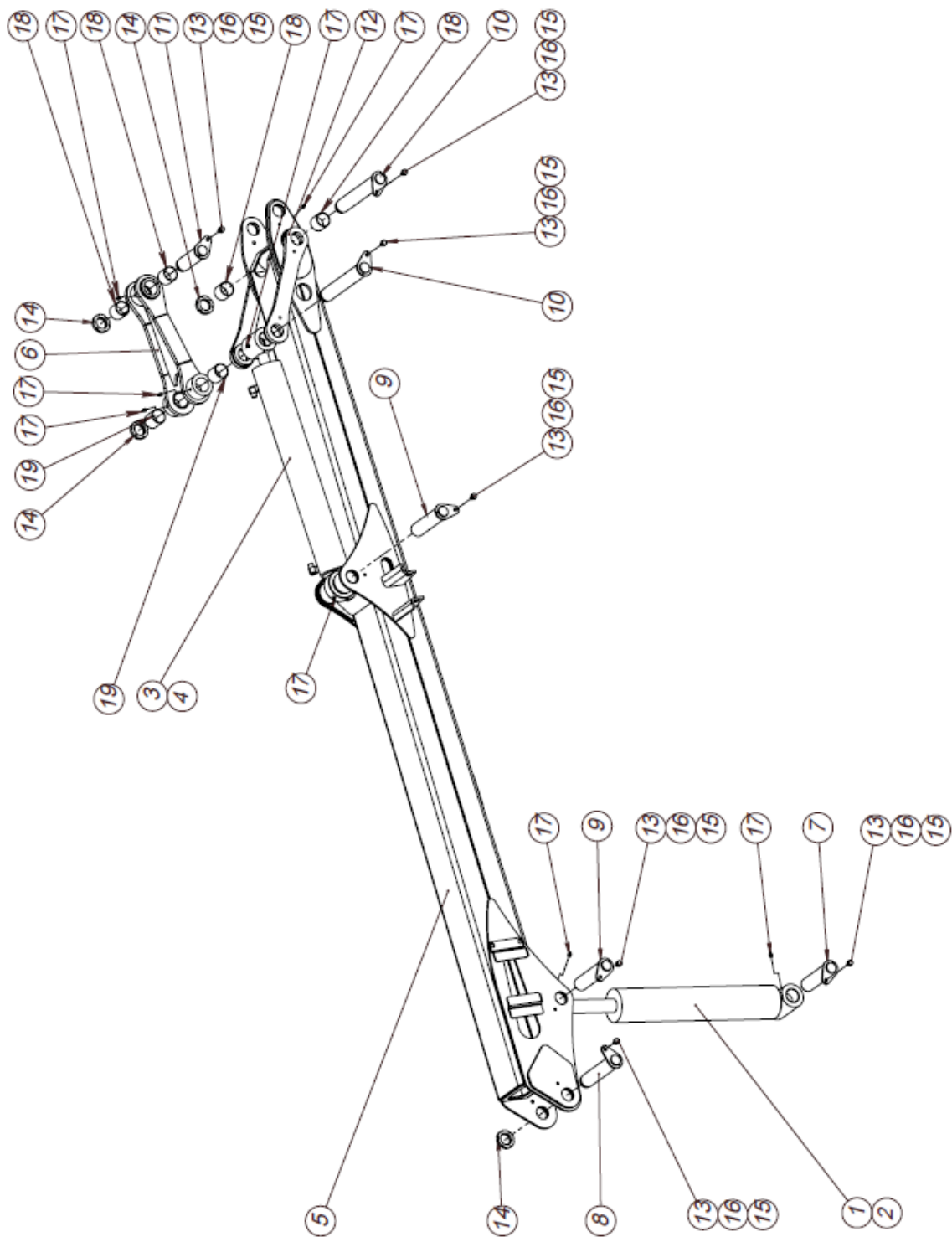
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1.2 SPARE PARTS, TURNHOUSE

ITEM NO.	PART NUMBER	DESCRIPTION	TYPE	QTY.
1	FMWS00125	Hydraulic cylinder	102/90 - 622	4
2	FMWS00126	Column C7.0/C8.5		1
3	FMWS00207	Adapter holder		1
4	906154	Bolt Hex. Cap	M8x16 DIN 933	4
5	906175	Bolt Hex. Cap	M10x30 DIN 933	6
6	906270	Bolt Socket set	M10x40 DIN915	4
7	906516	Bolt Hex. Socket	M8x22 fzb DIN 912	6
8	907219	Nut Hex. Nylock	M10 fzb DIN 985	4
9	908615	Washer Spring	M8 fzb DIN 127	4
10	909118	Slide bearing	200 205 60 M DIN 1494	1
11	909152	Slide Bearing	50-55-50 DIN1494	2
12	910340	Plain Bearing	GE80ES	1
13	912237	O-ring	Ø112x3 DIN 3771	1
14	912245	Simko sealing	90x70x22,5	4
15	914578	Rubber seal	2.01.5601	4
16	914582	Rubber seal	5601-01-06	2
17	914584	Rubber seal	8.01.5601	1
18	914712	Straight nipple	6.04.7002	2
19	914792	Plug 1/2"	7501-00-08	1
20	920398	Plug 1/2" + sealing	Plastic	1
21	930105	Grease nipple	1/8" DIN 71412	3
22	FMWP00451	Body (Turnhouse 16 kNm)		1
23	FMWP00455	Piston	RndØ90 - 50	4
24	FMWP00456	Rack 16 (16kNm)	GrndØ80 - 783	2
25	FMWP00457	Cover	RndØ165 - 26	1
26	FMWP00458	Lock plate	RndØ90 - 12	1
27	FMWP00459	Locknut KM20	M100x2 DIN 981	4
28	FMWP00460	Slidepad 16kNm	PA6	2

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1.3 EXPLODED VIEW, MAIN BOOM



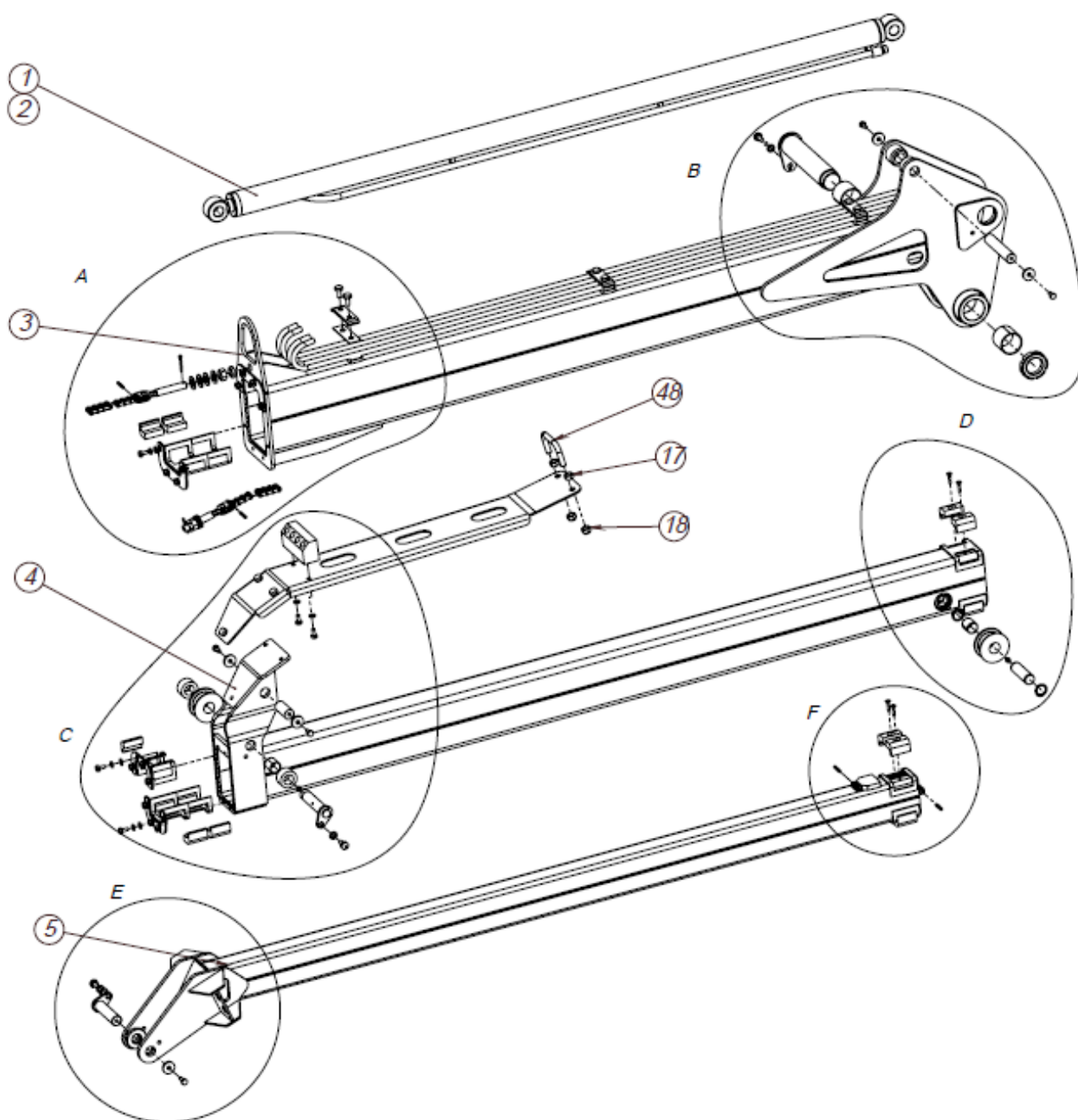
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1.4 SPARE PARTS, MAIN BOOM

ITEM NO.	PART NUMBER	DESCRIPTION	TYPE	QTY.
1	313112	Hydraulic cylinder	110/50-580	1
2	37313112	Sealing Kit 110/50		1
3	313114	Hydraulic cylinder	100/50-700	1
4	37313114	Sealing Kit 100/50		1
5	FMWA00207	Main boom C7,0/8,5 ASM		1
6	FMWA00208	Link Inside C7,0/8,5 ASM		1
7	FMWS00144-01	Shaft	GrndØ50-196(185)	1
8	FMWS00235	Shaft	GrndØ50-247(221)	1
9	FMWS00236	Shaft	GrndØ50-212(201)	2
10	FMWS00237	Shaft	GrndØ50-320(294)	2
11	FMWS00289	Shaft	GrndØ50-172(146)	1
12	FMWS00294	Outside link C7.0/C8.5	-	2
13	906170	Bolt Hex. Cap	M10x20 fzb DIN 933	7
14	907251	Nut Lock/Round M45x1,5-N	DIN 1804	4
15	908225	Washer flat	M10 fzb DIN 125	7
16	908620	Washer Spring	M10 fzb DIN 127	7
17	930105	Lubricating nipple	1/8 " BSP DIN 71412	8
18	909152	Slide Bearing	50-55-50 DIN 1494	4
19	909154	Slide Bearing	50-55-60 DIN1494	2
20	FMWH00023	Hydraulic scheme C8.5	Look at pages 11-12	1

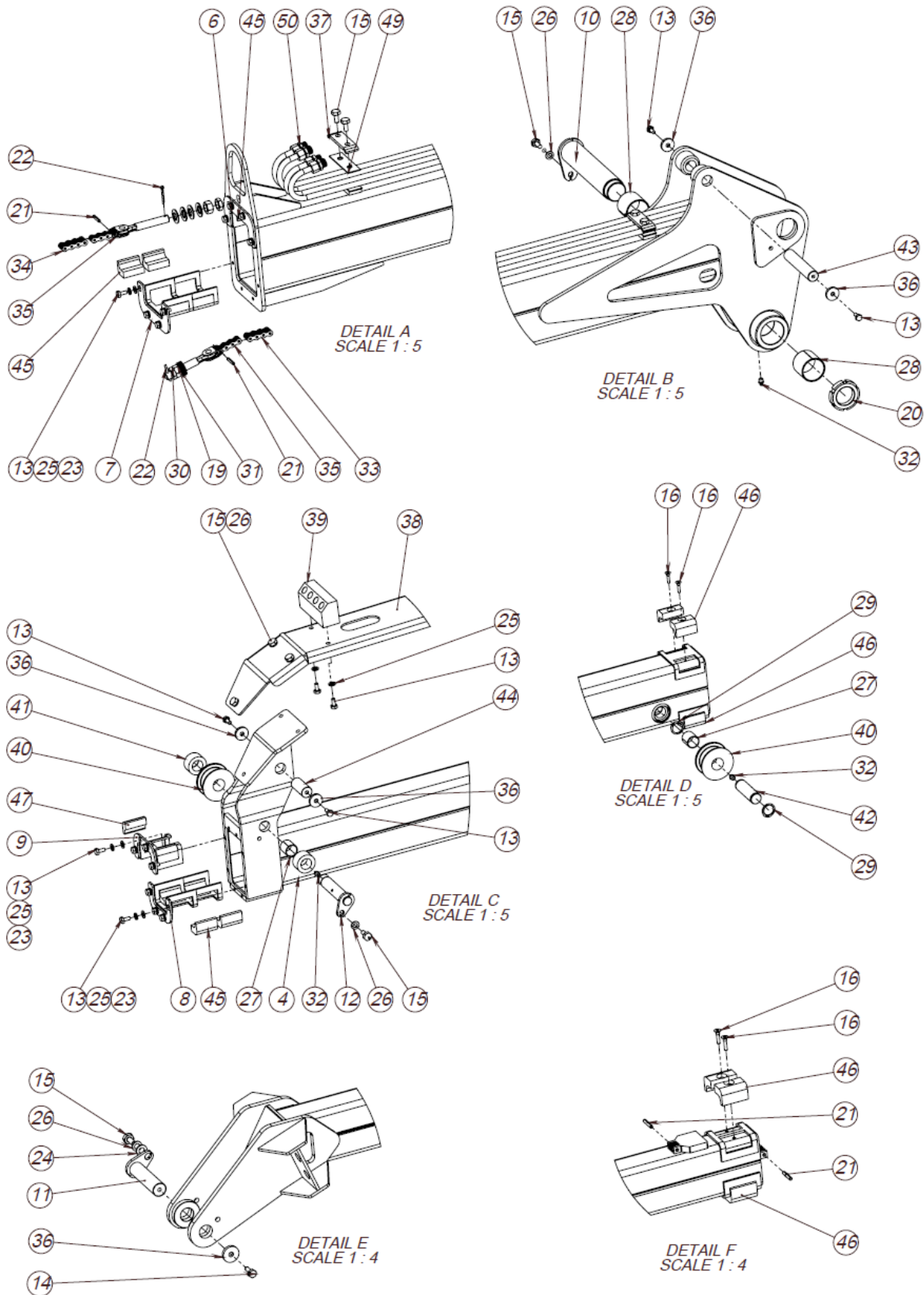
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1.5 EXPLODED VIEW, OUTERBOOM & DOUBLE TELESCOPIC BOOM EXTENSION



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1.6 EXPLODED VIEW, OUTERBOOM & DOUBLE TELESCOPIC BOOM EXTENSION (A-F)



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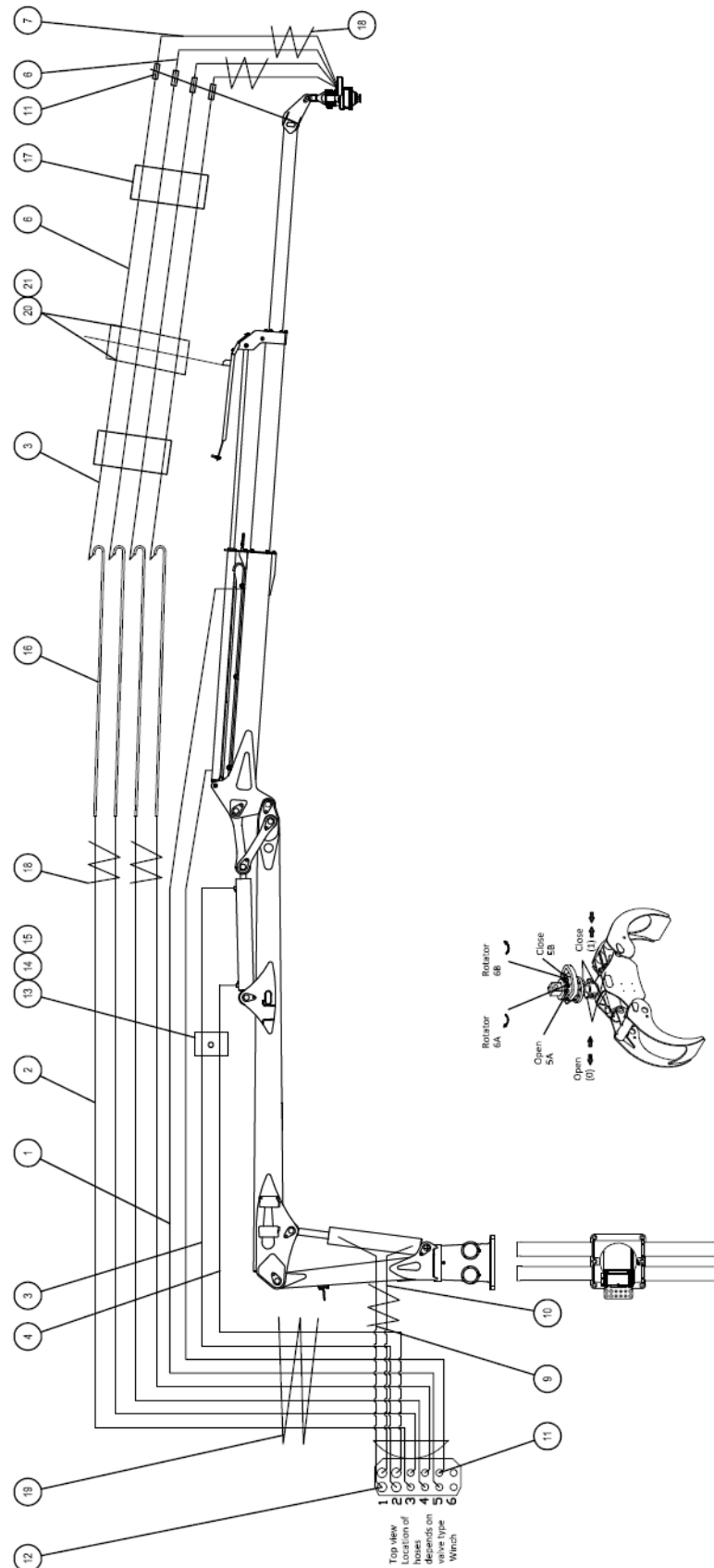
1.7 SPARE PARTS, OUTERBOOM & DOUBLE TELESCOPIC BOOM EXTENSION

ITEM NO.	PART NUMBER	DESCRIPTION	TYPE	QTY.
1	313100	Hydraulic cylinder	50/30 - 1455	1
2	37913230	Sealing Kit 50/30		1
3	FMWS00205	C8,5 Outer Boom		1
4	FMWS00212	C8.5 Telescopic Boom 2		1
5	FMWS00218	C8.5 Telescopic Boom 1		1
6	FMWS00222	Slidepad holder (single)	C6,6Z/C7,0/C8,5 Outerboom	1
7	FMWS00222-01	Slidepad holder (double)	C6,6Z/C7,0/C8,5 Outerboom	1
8	FMWS00223	Slidepad holder (double)	C8,5 Boom 2	1
9	FMWS00225	Slidepad holder (single)	C8,5 Boom 2	1
10	FMWS00238	Shaft	GrndØ50h9 - 236(225)	1
11	FMWS00591	Shaft	GrndØ25h9 - 109(100)	1
12	FMWS00719	Shaft	Grnd25h9 - 116(106)	1
13	906154	Bolt Hex. Cap	M8x16 DIN 933	22
14	906158	Bolt Hex. Cap	M8x20 DIN 933	1
15	906170	Bolt Hex. Cap	M10x20 fzb DIN 933	12
16	906514	Bolt Hex. Socket	M6x25 fzb DIN 7991	8
17	907222	Nut	M12 DIN 934	2
18	907228	Nut Hex. Nylock	M12 fzb DIN 985	2
19	907234	Nut	M16 fzb DIN 934	2
20	907251	Nut Lock/Round M45x1,5-N	DIN 1804	1
21	907610	Spring pin	5x30 DIN 1481	4
22	908108	Split pin	4x32 DIN 94	2
23	908221	Washer flat	M8 fzb DIN125	16
24	908225	Washer flat	M10 fzb DIN 125	1
25	908615	Washer Spring	M8 fzb DIN 127	18
26	908620	Washer Spring	M10 fzb DIN 127	6
27	909135	Slide Bearing	25-28-30 P DIN 1494	2
28	909152	Slide Bearing	50-55-50 DIN1494	2
29	911255	Lock ring	DIN 471 - 25x1,2	2
30	912149	Nut Hex. Jam	M16 fzb DIN 936	2

31	920502	Disc spring	31,5x16,3x2; 4319; DIN 2093	8
32	930105	Grease nipple	1/8" DIN 71412	4
33	940884	Leaf Chain Bottom LL1066	L=1731	1
34	940885	Leaf Chain Bottom LL1066	L=1699	1
35	940886	Leaf Chain Lock DE 8500		2
36	FMWP00519	Washer	PLT5 - D30	5
37	FMWP00618	Pipe holder	PLT6 - 100x30	3
38	FMWP00715	Hose bridge	PLT4 - 990x168	1
39	FMWP00720	C8,5 distribution block	PLT40 - 124x55	1
40	FMWP00751	Chain wheel	GrndØ80 - 35	2
41	FMWP00752	Distance ring	HBØ45/Ø20 - 24	2
42	FMWP00753	Pin	GrndØ25 - 84,6	1
43	FMWP00755	Pin	GrndØ25 - 130	1
44	FMWP00757	Pin	GrndØ25 - 56	1
45	FMWP00759	Slidepad	PLT30 - 30x50	10
46	FMWP00759-01	Slidepad	PLT30 - 30x50	8
47	FMWP00760	Slidepad	PLT16 - 30x50	2
48	FMWP01698	C8,5 clamp	RndØ12 - 190	1
49	FMWP02936	Pipe protection	PLT2 - 100x30	6
50	FMWA00289	Hydraulic pipe	ST12x1,5 L=1700	4
ITEM NO.	PART NUMBER	DESCRIPTION	TYPE	QTY.

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1.8 HYDRAULIC SCHEME



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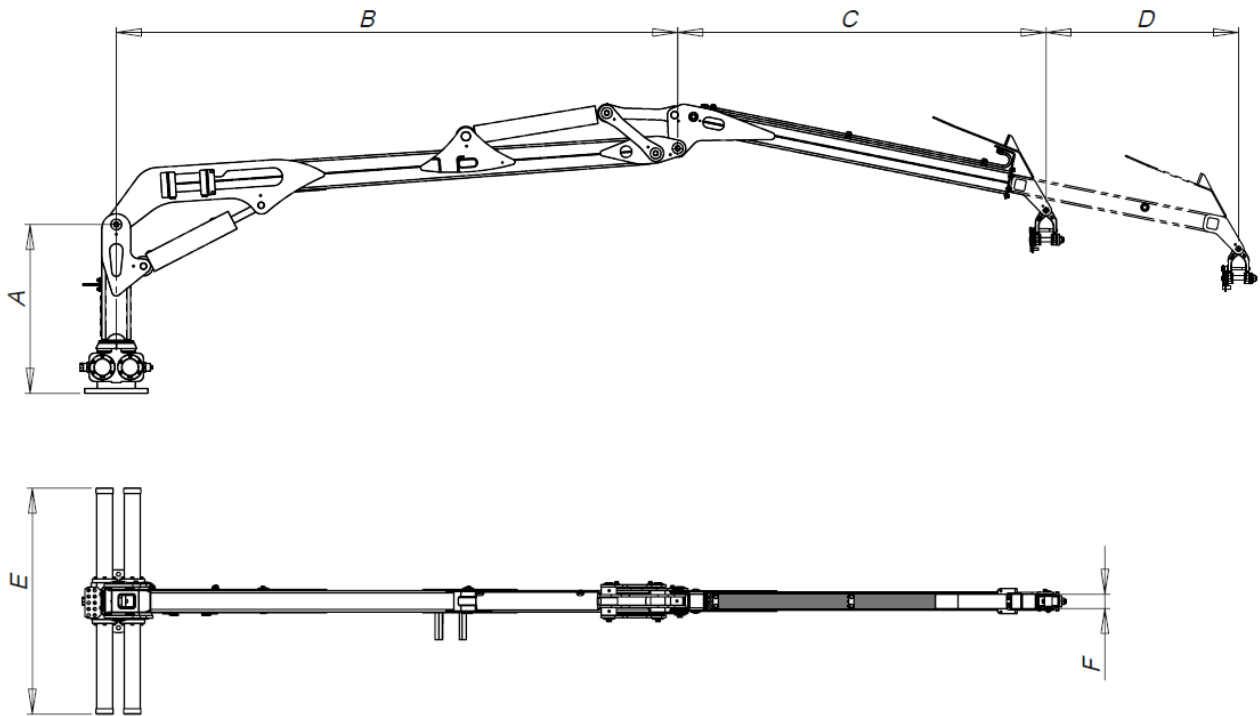
1.9 SPARE PARTS, HYDRAULIC SCHEME

ITEM NO.	PART NUMBER	DESCRIPTION	TYPE	QTY.
1	FMWH00371	Hose	42010606-3/8(5150)-42010606	2
2	FMWH00372	Hose	42010606-3/8(5050)-42010606	4
3	FMWH00373	Hose	42010606-3/8(1810)-42010606	4
4	FMWH00374	Hose	42010808-1/2(3800)-42010808	1
5	FMWH00375	Hose	42010808-1/2(3640)-42010808	1
6	FMWH00376	Hose	42010606-3/8(1790)-42010606	4
7	FMWH00377	Hose	42010606-3/8(710)-42030606	2
8	FMWH00378	Hose	42010606-3/8(690)-42030606	2
9	FMWH00379	Hose	42010808-1/2(820)-42050808	1
10	FMWH00380	Hose	42010808-1/2(1400)-42010808	1
11	914750	Cartridge nipple	7090-06-06; G3/8"Mx3/8"M	10
12	914752	Cartridge nipple	7090-08-08; G1/2"Mx1/22M	4
13	914544	Clip double	5390-43-20; 2xd20	1
14	914546	Cover plate	5394-13-01; GR3	1
15	906165	Bolt Hex. Cap	M8x40 DIN 933	1
16	FMWA00289	Hydraulic pipe	d12x1,5 L=1700	4
17	914630	PVC water hose	1405-00-48; 75mm	2,5m
18	930320	Spiro pipe	ø 32x3 mm yellow	7m
19	930330	Spiro pipe	ø 50x3,5 mm yellow	1,5m
20	914716	Straight nipple	7002-06-06; 3/82Mx3/8"M	8
21	914582	Rubber seal	5601-01-06; R3/8"	8

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2 TECHNICAL SPECIFICATIONS

2.1 MAIN PARTS & DIMENSIONS



Picture: Boom system with telescopic boom extension

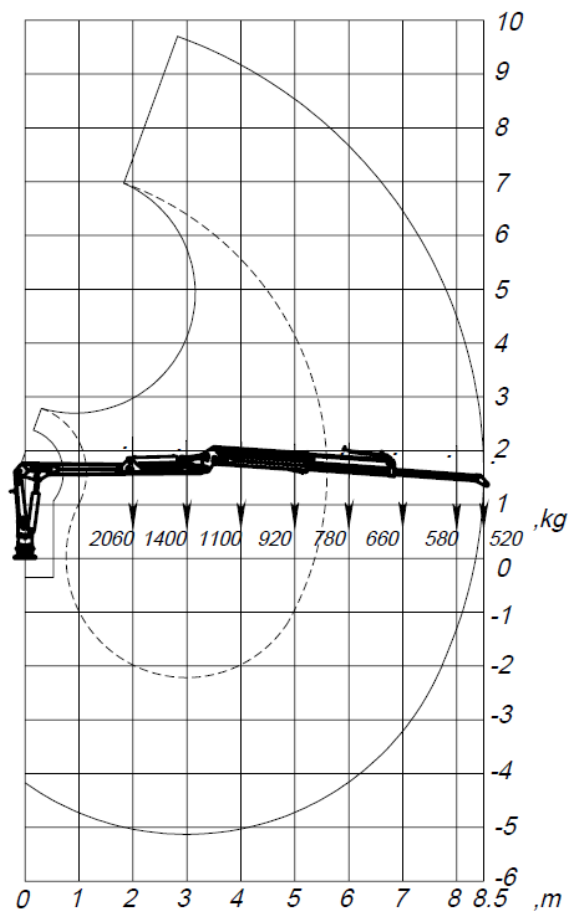
ITEM	DESCRIPTION
A	Turnhouse
B	Main boom
C	Outerboom
D	Double telescopic boom extension

ITEM	DIMENSIONS(mm)
A	1590
B	3370
C	2340
D	3000
E	1500
F	60

2.2 TECHNICAL DATA

FOREST CRANE	C8,5
Lifting capacity net, kNm	45
Slewing torque, kNm	16
Slewing angle, °	360
Reach, m	8,5
Telescopic stroke length, m	3
Recommended flow, l/min	40-70
Working pressure, bar	190
Weight of loader, kg	850
• excl. Grapple, rotator, link	
Weight, kg incl. FG 0.20, rotator, link	985
Weight, kg incl. FG 0.24, rotator, link	1020
Lifting force kg/max reach	520
• excl. Grapple, rotator, link	

2.3 LIFTING DIAGRAM



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Important information about connecting electrical and hydraulic equipment

Electrical cables

Electrical cables must be connected with a separate supply through a fused terminal block from the battery.

Cable markings		
+		Brown cable (or number 1)
Earth		Blue cable (or number 2)

Hydraulic lines

Hydraulic hose connections should preferably be connected with a separate return tank. Avoid operating via a double acting outlet.

Line markings	
Red	Pressure
Blue	Return
Yellow	Brake line
White	Load sensing signal

Separate return tank means directly into the tank.

To avoid problems when connecting to the towing vehicle, always start with the return, then the pressure line and then in reverse order when disconnecting. Start by removing the pressure line when disconnecting.

NOTE: Protect your eyes and skin from oil when connecting and disconnecting!

3 EC-DECLARATION OF CONFORMITY (SAMPLE)

EC Declaration of Conformity of the Machinery

Manufacturer:

Fors MW AS

Tule 30

76505 Saue

Estonia

The technical file is compiled by **Peter Kastberg**;

I hereby confirm that this equipment, **FARMA forestry crane C8,5**:

Trade mark: **FARMA**

Function: **Forestry crane**

Model: **C8,5**

Type: **FL** variant: **C8,5**

Serial no.: **FL0085D0100000**

Trade name: **FARMA C8,5**

• Type: **FG** variant: **0.24**

Serial no.: **FG0024D1200000**

Manufacture year: **2013**

is manufactured accordingly to demands in **directive 2006/42/EC** and therefore can be used mounted together with other equipment to provide a complete machine.

The equipment can't be used before the machine or the formation that it will take place in, is accordingly to the demands of the EC Machinery directive.

For the guarantee and safety, it is of uttermost significance that the instruction book is read before the machine is put into service.



Peter Kastberg
CEO

Saue, Estonia

2013-12-10