

IGLAND 31-51

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Approved	Revised:
	Issued: 31.05.2017
	P/N: 390598

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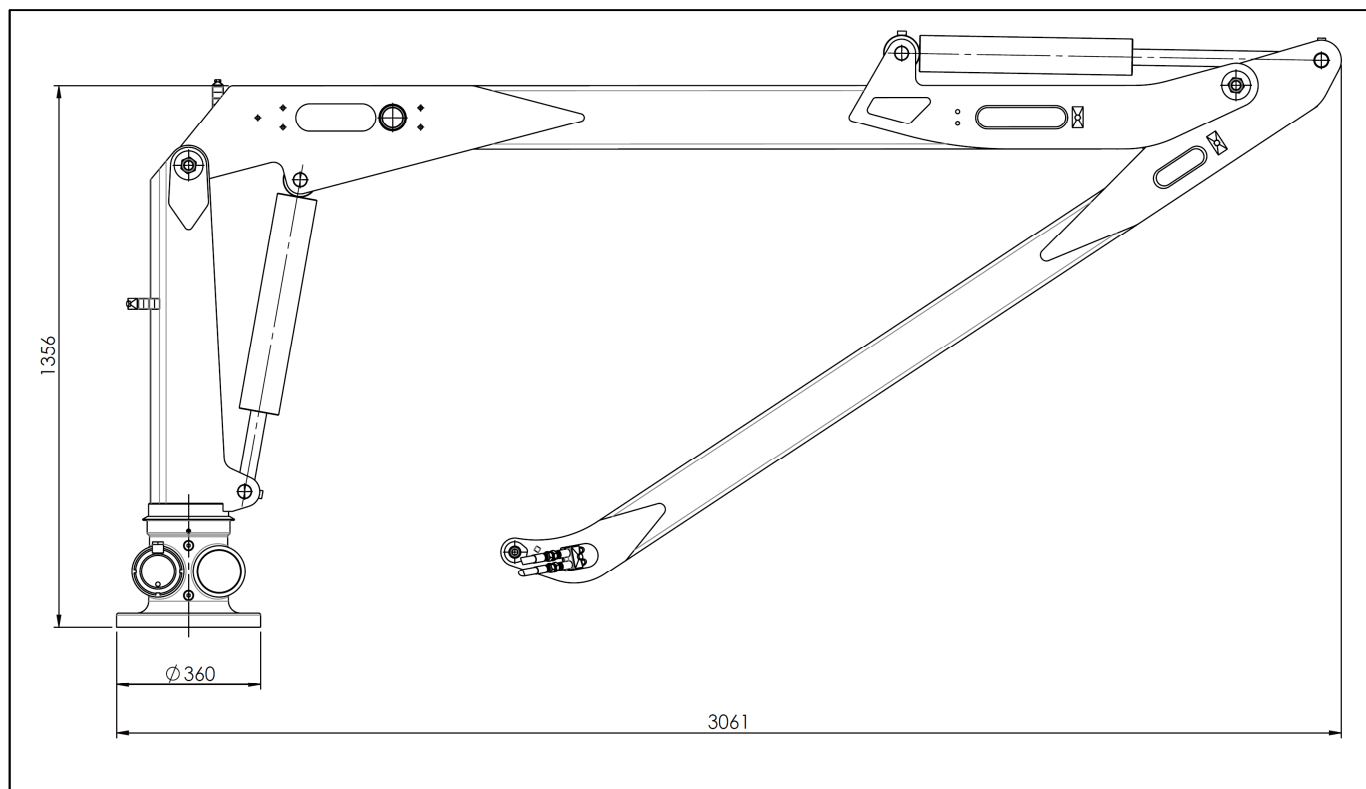
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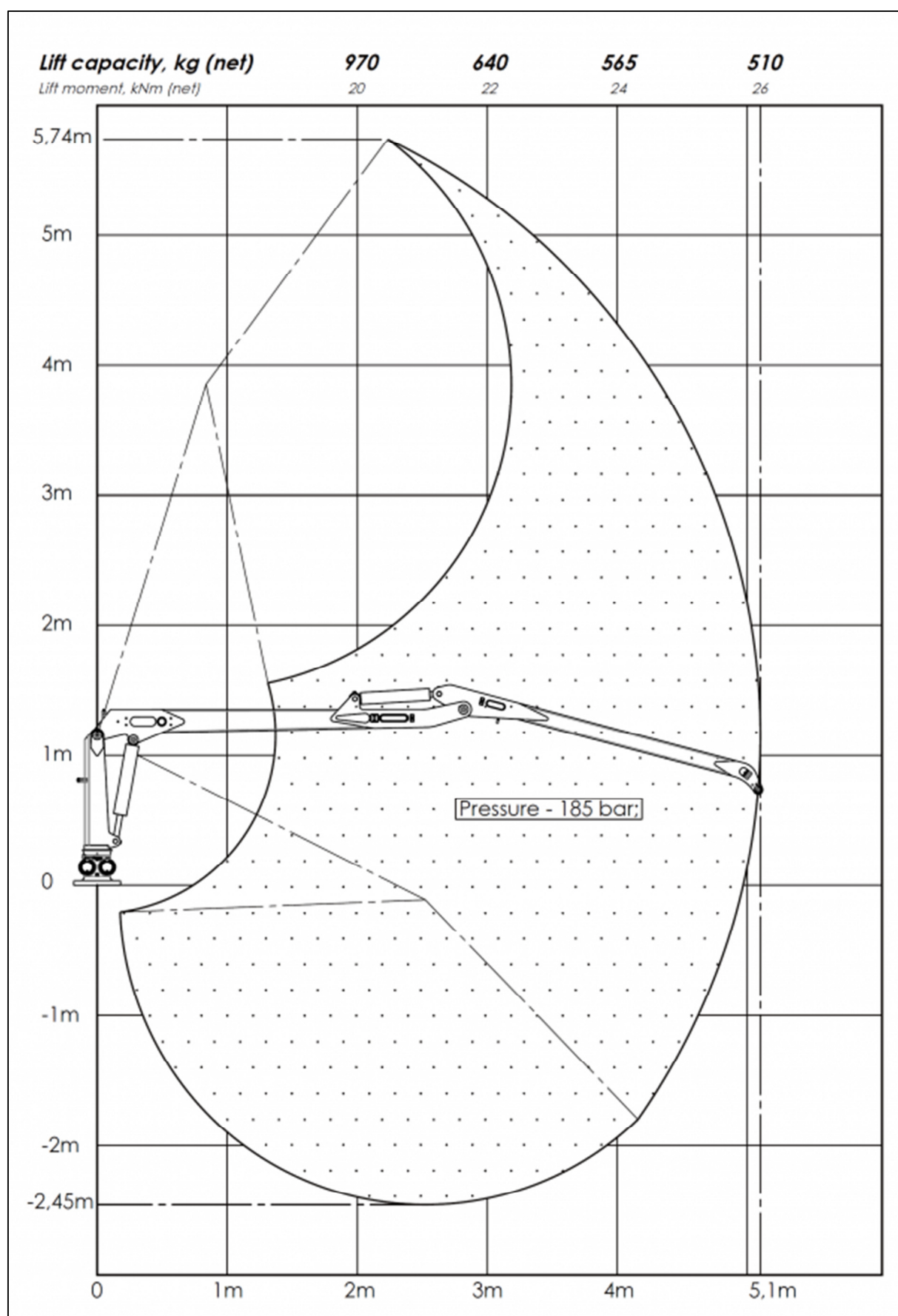
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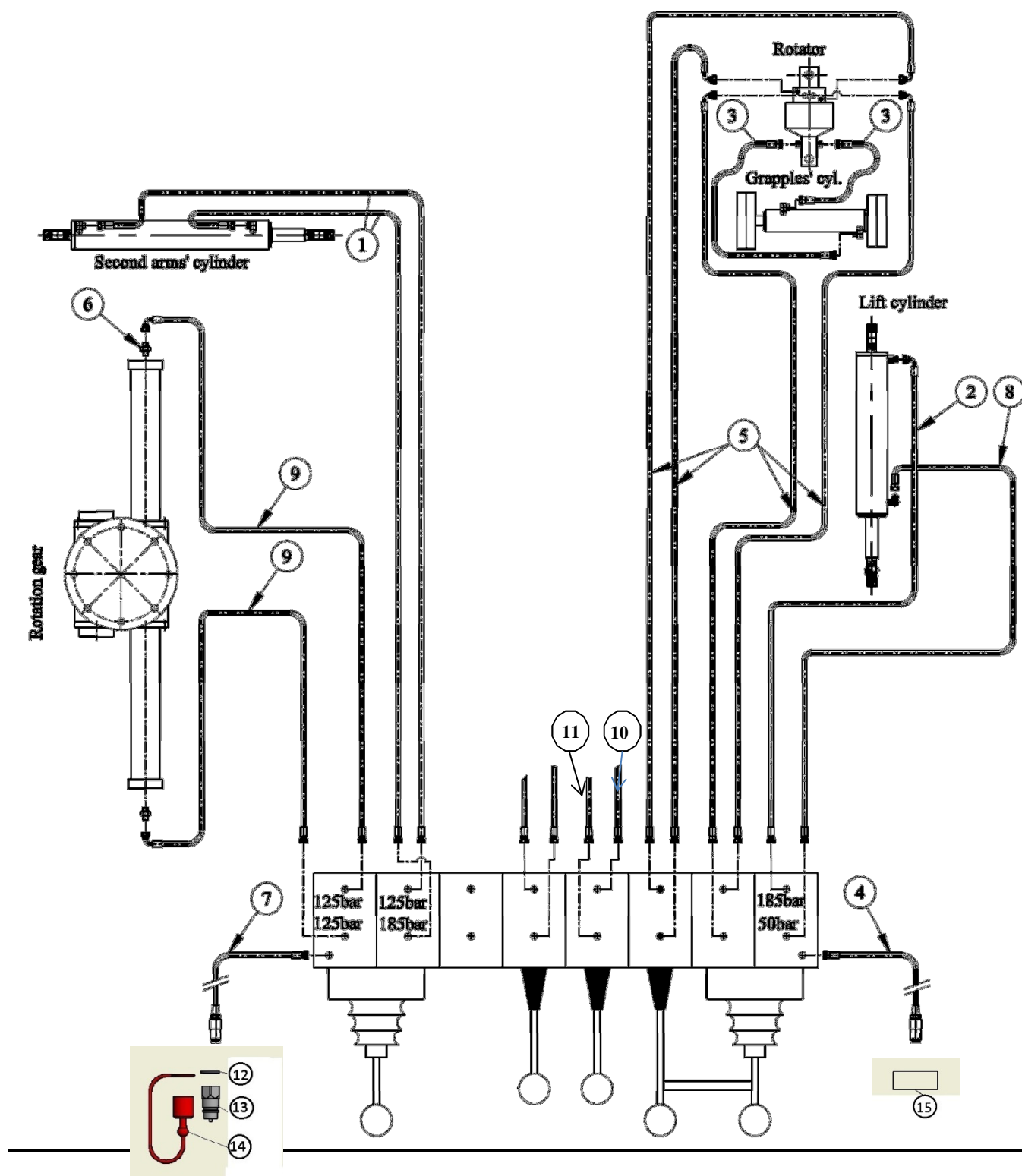
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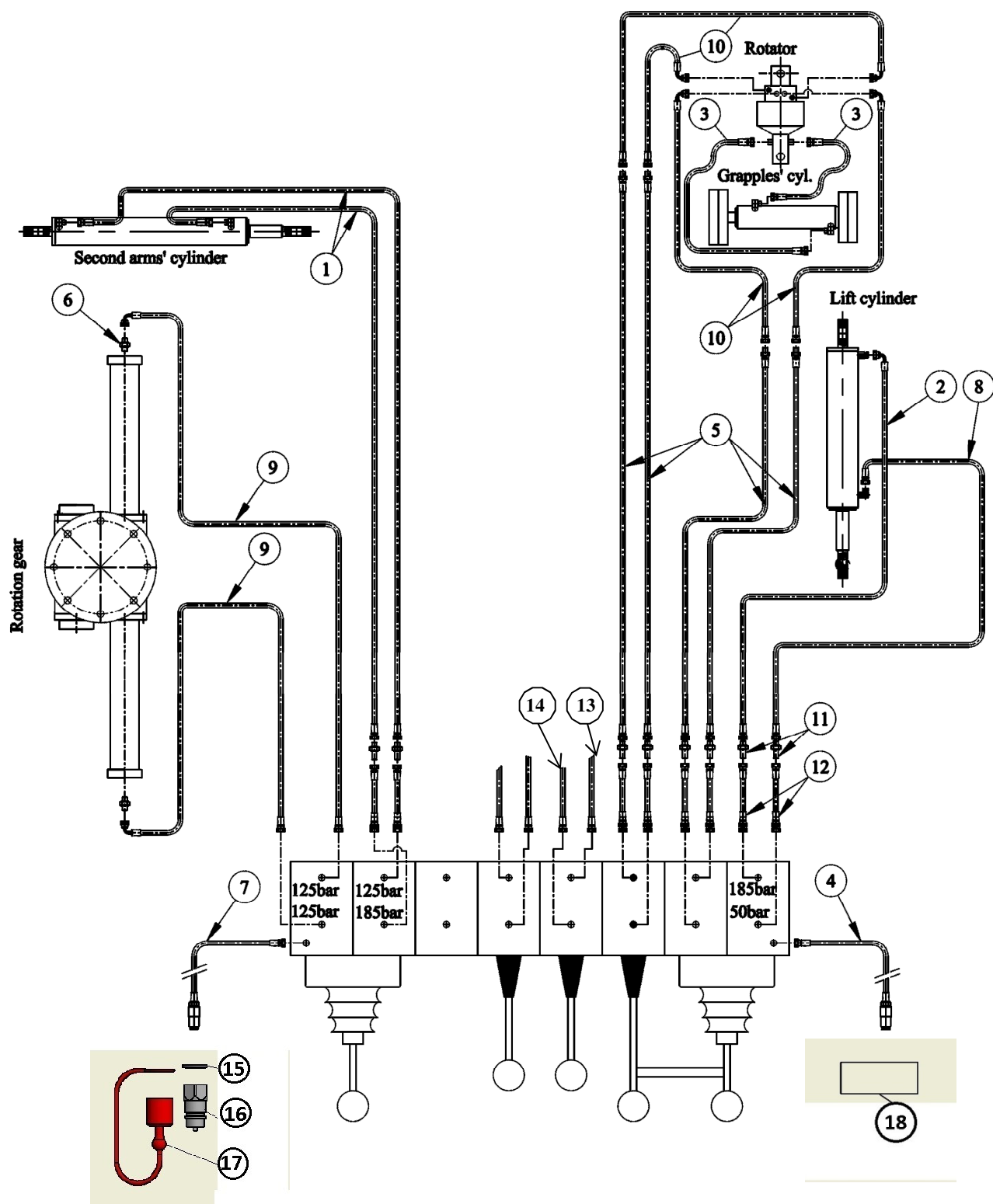
CRANE IGLAND 31-51

GENERAL CHARACTERISTICS	
Reach, m	5.1
Telescopic boom	No
Linkage system	No
Lift capacity at max. reach (net), kg (without grapple/rotator)	510
Lift capacity at 4,0 m (net), kg	565
Working pressure, bar	185
Oil flow, l/min	20-30
Slewing torque, kNm	4.5
Slewing angle, °	360°
Weight (with grapple/rotator/valve block), kg	555

Lift capacity / reach diagram – 31-51

Hydraulic diagram 31-51, 2 lever control panel**Early version, SN -> 0011405**

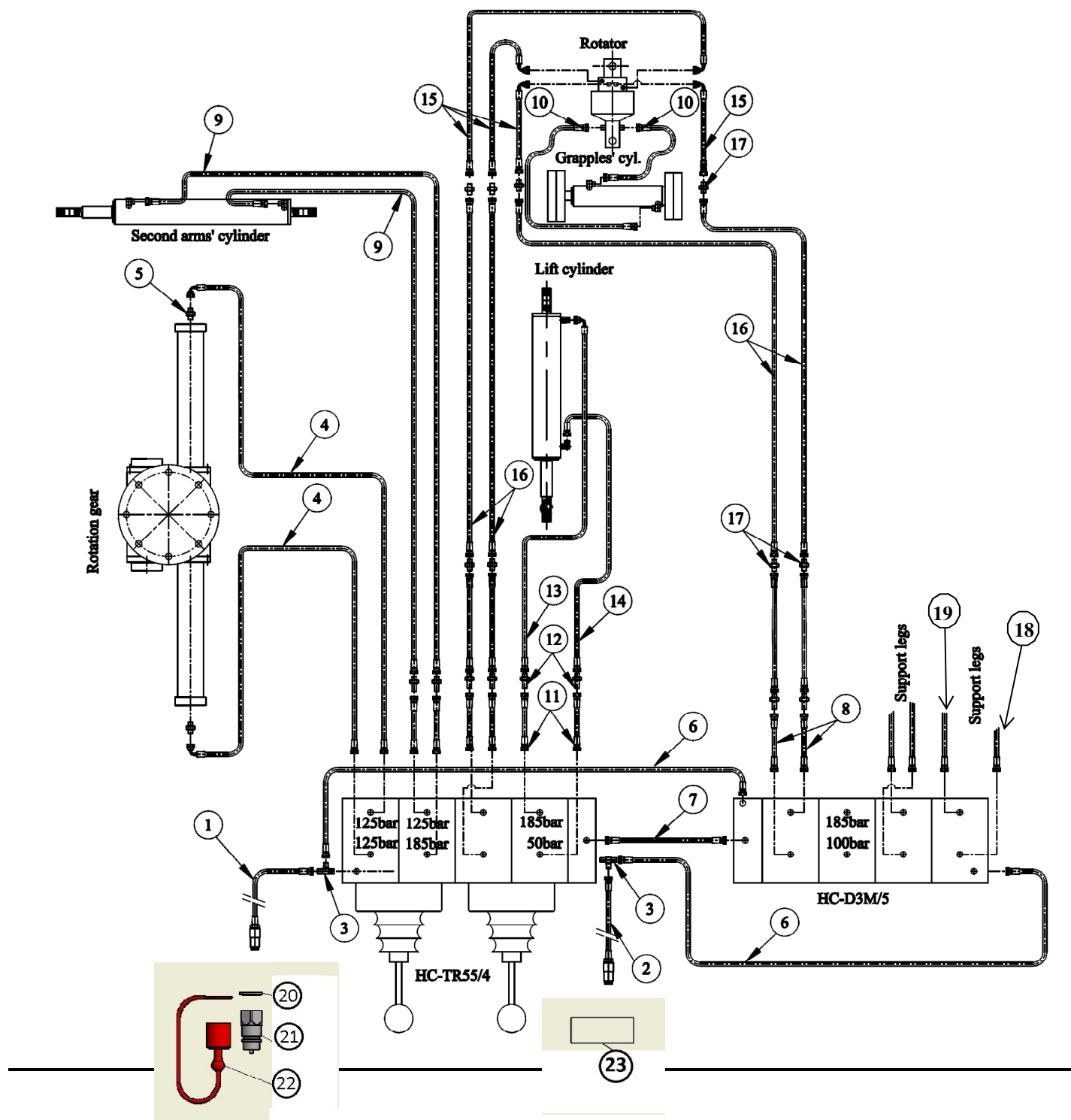
Pos.	Qty.	Description	Mod. Dim.	Art. No.
1.	2	Hydraulic Hose	IR ^{3/8} -5820(^{3/8})-IR ^{3/8} 90°	431922
2.	1	Hydraulic Hose	IR ^{3/8} -3900(^{3/8})-IR ^{3/8} 90°	431920
3.	2	Hydraulic Hose	^{3/8} 'IR-550- ^{3/8} ' 90° Compact	431583
4.	1	Hydraulic Hose	IR ^{1/2} -3000(^{1/2})-FC ^{1/2}	431585
5.	4	Hydraulic Hose	IR ^{3/8} -8050(^{3/8})-IR ^{3/8}	431928
6.	2	Adaptor	i-v-i 12L M18x15	431586
7.	1	Hydraulic Hose	IR ^{1/2} -3000(^{1/2})-FC ^{1/2}	431585
8.	1	Hydraulic Hose	IR ^{3/8} -3450(^{3/8})-IR ^{3/8} 90°	431921
9.	2	Hydraulic Hose	IR ^{3/8} -3000(^{3/8})-IR M18x1.5	431926
10	2	Hydraulic hose, for support leg, up		058581
11	2	Hydraulic hose, for support leg, down		058577
12	1	Seal		047143
13	1	Quick coupling		047032
14	1	Cap for quick coupling		047033
15	1	Non pressorized fittings, set		049451

Hydraulic diagram 31-51, 2 lever control panel**Current version, SN 00815110 ->**

Hydraulic components

Pos.	Qty.	Description	Mod. Dim.	Art. No.
1.	2	Hydraulic Hose	IR ^{3/8} -3270(^{3/8})-IR ^{3/8} 90°	431929
2.	1	Hydraulic Hose	IR ^{3/8} -900(^{3/8})-IR ^{3/8} 90° Compact	431599
3.	2	Hydraulic Hose	^{3/8} 'IR-550- ^{3/8} ' 90° Compact	431583
4.	1	Hydraulic Hose	IR ^{1/2} -1600(^{1/2})-FC ^{1/2}	431930
5.	4	Hydraulic Hose	IR ^{3/8} -5900(^{3/8})-IR ^{3/8}	431931
6.	2	Adaptor	M18x1,5 ^{3/8} (Banjo)	431589
7.	1	Hydraulic Hose	IR ^{1/2} -1600(^{1/2})-FC ^{1/2}	431930
8.	1	Hydraulic Hose	IR ^{3/8} -1350(^{3/8})-IR ^{3/8} 90°	431932
9.	2	Hydraulic Hose (2cilinders)	IR ^{3/8} -3000(^{3/8})-IR M18x1.5	431926
10.	4	Hydraulic Hose	^{3/8} 'IR-5900(^{3/8})-UR ^{3/8}	431933
11.	8	Adaptor	^{3/8} IR- ^{3/8} IR (long)	431598
12.	8	Hydraulic Hose	IR ^{3/8} -2550(^{3/8})-IR ^{3/8}	431597
13.	2	Hydraulic hose, for support leg, up		058581
14.	2	Hydraulic hose, for support leg, down		058577
15.	1	Seal		047143
16.	1	Quick coupling		047032
17.	1	Cap for quick coupling		047033
18.	1	Non pressorized fittings, set		049451

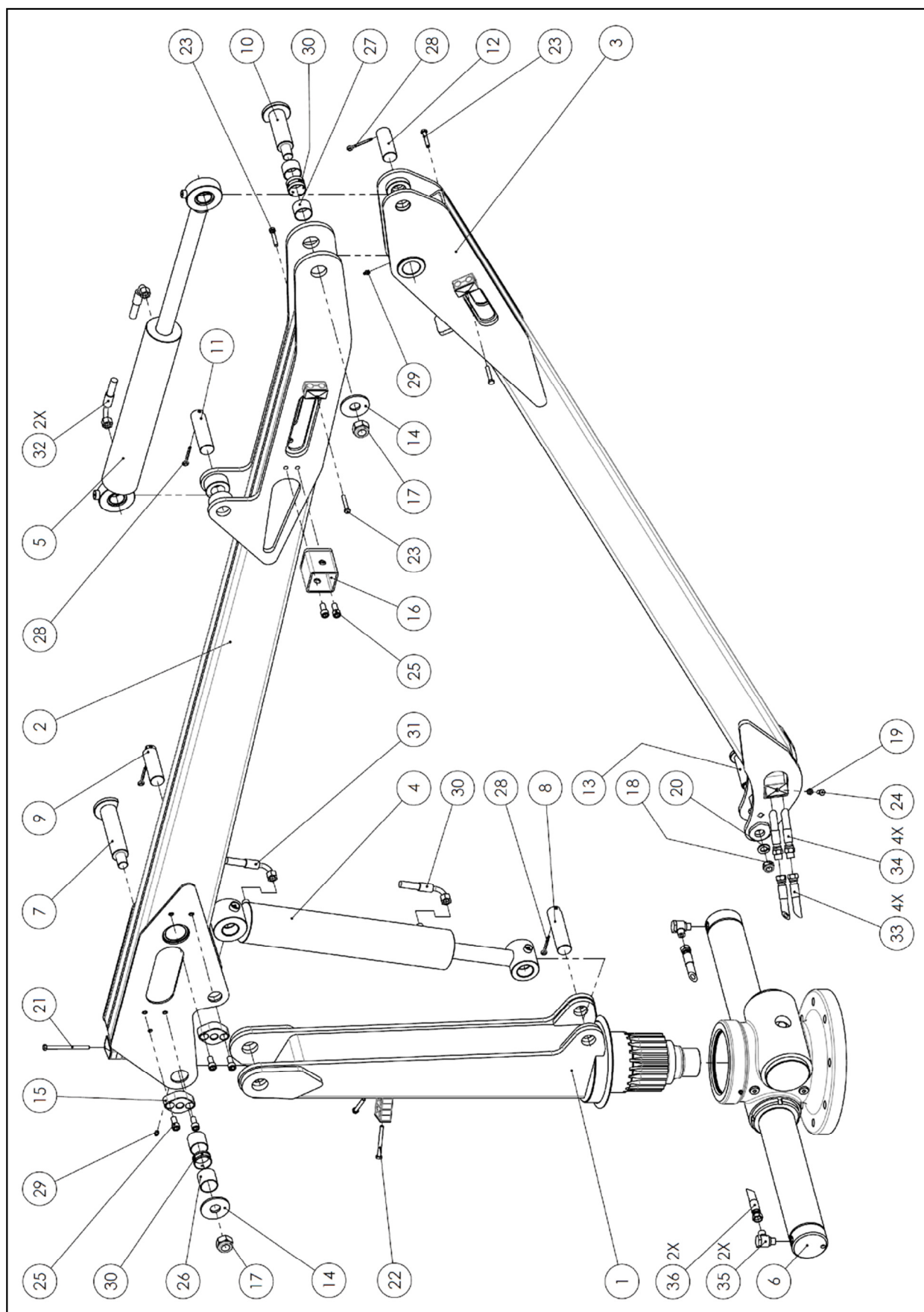
Hydraulic diagram 31-51, Light 2 lever control, el. on/off, OPTION



Hydraulic components

Pos.	Qty.	Description	Mod. Dim..	Art. No.
1.	1	Hydraulic Hose	IR ¹ / ₂ -1600(³ / ₈)-IR ¹ / ₂ FC	431592
2.	1	Hydraulic Hose	IR ¹ / ₂ -1600(³ / ₈)-IR ¹ / ₂ FC (with valve)	431593
3.	2	Adaptor	UR ³ / ₈ -IR ³ / ₈ -UR ³ / ₈	431594
4.	2	Hydraulic Hose	IR ³ / ₈ -3000(³ / ₈)-IRM18x1,5	431926
5.	2	Adaptor	M18x1.5x3/8 Banjo	431589
6.	2	Hydraulic Hose	IR ³ / ₈ -2700(³ / ₈)-IR ³ / ₈ 90°	431605
7.	2	Hydraulic Hose	IR ³ / ₈ -2550(³ / ₈)-IR ³ / ₈ 90°	431934
8.	1	Hydraulic Hose	IR ³ / ₈ -1900(³ / ₈)-IR ³ / ₈	431935
9.	2	Hydraulic Hose	IR ³ / ₈ -3270(³ / ₈)-IR ³ / ₈ 90° (compact)	431936
10.	2	Hydraulic Hose	IR ³ / ₈ -550(³ / ₈)-IR ³ / ₈ 90° (compact)	431604
11.	6	Hydraulic Hose	IR ³ / ₈ -2550(³ / ₈)-IR ³ / ₈	431597
12.	10	Adaptor	UR ³ / ₈ -UR ³ / ₈ (long)	431598
13.	1	Hydraulic Hose	IR ³ / ₈ -900(³ / ₈)-IR ³ / ₈ 90° (compact)	431599
14.	1	Hydraulic Hose	IR ³ / ₈ -1350(³ / ₈)-IR ³ / ₈ 90° (compact)	431600
15.	4	Hydraulic Hose	IR ³ / ₈ -730(³ / ₈)-IR ³ / ₈ 90°	431923
16.	4	Hydraulic Hose	IR ³ / ₈ -5900(³ / ₈)-UR ³ / ₈	431931
17.	10	Adaptor	UR ³ / ₈ -UR ³ / ₈	431603
18.	2	Hydraulic hose, for support leg, 1,65m		058916
19.	2	Hydraulic hose, for support leg, 1,85m		058918
20.	1	Seal		047143
21.	1	Quick coupling		047032
22.	1	Cap for quick coupling		047033
23.	1	Non pressorized fittings, set		049451

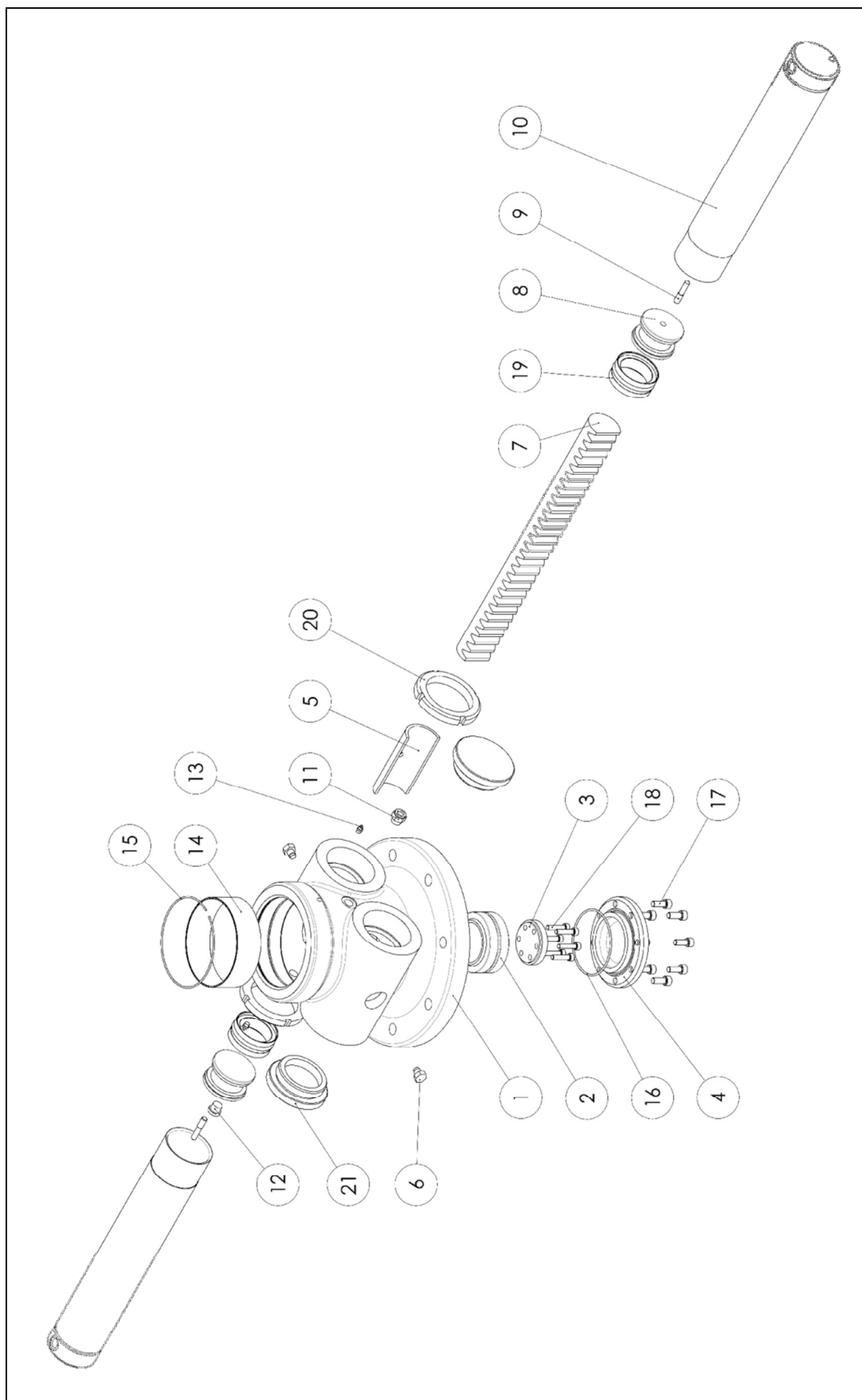
CRANE 31-51



Spare part list for crane 31-51

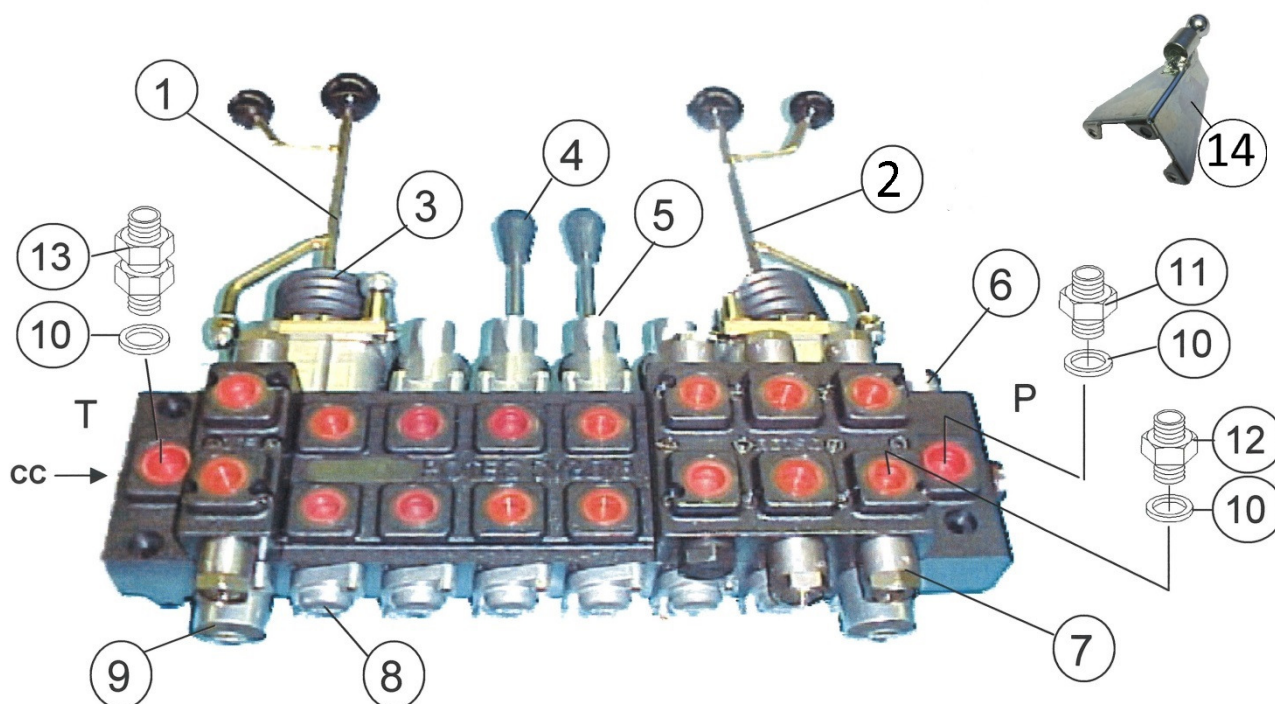
Pos.	Qty.	Description	Mod. Dim.	Art. No.
1	1	Support	-	431901
2	1	Lift arm	-	431902
3	1	Jib arm	-	431903
4	1	Lift cylinder	Ø100/90x40-415-649	431904
		Repair kit, Lift cylinder		431905
5	1	Jib cylinder	Ø90/80x40-400-649	431906
		Repair kit, Jib cylinder		431907
6	1	Slew motor	38-6-2x80	431908
-	-	Slew motor, complete with crane support (6, 1)		431940
7	1	Shaft	Ø40h9, L=203mm	431909
8	1	Shaft	Ø35h9, L=136mm	431910
9	1	Shaft	Ø35h9, L=110mm	431911
10	1	Shaft	Ø40h9, L=159mm	431912
11	1	Shaft	Ø35h9, L=124mm	431913
12	1	Shaft	Ø35h9, L=90mm	431914
13	1	Shaft	Ø25, L=134	431915
14	2	Washer	Ø26/72x5	431533
15	2	Flange	-	431535
16	1	Winch block holder	□70x70	431556
17	2	Nut Nyloc	M24 LK	012510
18	1	Nut Nyloc	M16 LK 8.8	012350
19	2	Nut Nyloc	M8 LK	012198
20	1	Washer	BRB 17x30	012354
21	1	Screw	M6S M8x110	012176
22	2	Screw	M6S M8x80	012173
23	4	Screw	M6S M8x50	012767
24	2	Screw	M6S M8x60	012169
25	6	Screw	MC6S 12 x 25 12.9	431916
26	2	Bushing	40/44x40	431917
27	2	Bushing	40/44x40	431918
28	4	Pin	Ø5x50	021055
29	2	Grease nipple	M8	431542
30	1	Hydraulic hose	IR ^{3/8} -3900(3/8)-IR ^{3/8} 90°	431920
31	1	Hydraulic hose	IR ^{3/8} -3450(3/8)-IR ^{3/8} 90°	431921
32	2	Hydraulic hose	IR ^{3/8} -5820(3/8)-IR ^{3/8} 90°	431922
33	4	Hydraulic hose	IR ^{3/8} -730(3/8)-IR ^{3/8} 90°	431923
34	4	Hydraulic hose	IR ^{3/8} -8450(3/8)-UR ^{3/8}	431924
35	2	Adapter	UR ^{3/8} '-M18x1.5/90°	431925
36	2	Hydraulic hose (2cylinders)	IR ^{3/8} -3000(3/8)-IR M18x1.5	431926

SLEW MOTOR 38-6-2x80



Spare part list for slew motor 38-6-2x80

Pos.	Qty.	Description	Mod. Dim.	Art. No..
1	1	Slew motor housing	38-6-4x80	431560
2	1	Bearing GE70ES	Ø105/70x50	431561
3	1	Shaft's lock cover	Ø80, t=15	431562
4	1	Housing cover	Ø156, L=27	431563
5	1	Half glide insert	Ø70/60x136	431564
6	2	Fix. screw	HEX19mm, L=23	431565
7	1	Rack bar 15-38xx	Ø60, L=554 (360°)	431566
8	2	Plunger	Ø80	431567
10	2	Cylinder	90x80-360Gr	431569
-	-	Repair kit for cylinder		431570
11	1	Oil level check plug	G ³ / ₈ "	431571
12	2	WSTI plug	G ³ / ₈ "	431572
13	2	Grease nipple	M8	431542
14	1	Bushing	150/155x50	431573
15	1	Lock ring	Ø155.5x2.5	431574
16	1	O-Ring seal	Ø109.5x3.0	431575
17	8	Screw	MC6S 10 X 25 12.9 FZB	015887
18	6	Screw	MC6S 8 X 35 12.9	015869
19	2	Plunger seal	Ø80/60x22	431576
20	2	Nut	M90x2	431582
21	2	Cover	Ø110.0-M90x2	431927

VALVE, 2 Lever control panel

POS.	Art .Nr	Qty	Beskrivelse	Description
-	430640	1	Betjeningsentral, komplett, 2 spaks, for 31-51	Control valve, complete, 36-63S
-	430645	1	Pakningsett for sentral	Seals-kit
-	430646	-	Plugg, lukket senter, serienippel	Adaptor for "closed center"
1	430647	1	Hovedspak, komplett med ledd	Lever
2	430648			
3	430649	2	Gummimansjett	Protection below
4	430650	2	Spakfeste med lav spak, kpl	Lever
5	430651	4	Gummimansjett	Protection below
6	430652	1	Hovedtrykkventil, komplett	Valve section
7	430653	6	Sjokkventil, komplett *	Valve section *
8	430654	6	Lokk	Cover
9	430655	2	Fjærkopp	Spool lock, cpl.
10	047143	16	Skive	Seal
11	048014	1	Ansats	Adaptor
12	048010	14	Overgang	Adaptor
13	090062	1	Tilbakeslagsventil	Check valve,
14	430656	1	Feste for spak/ledd, høyre	

* = Riktig trykk må stilles inn ved montering

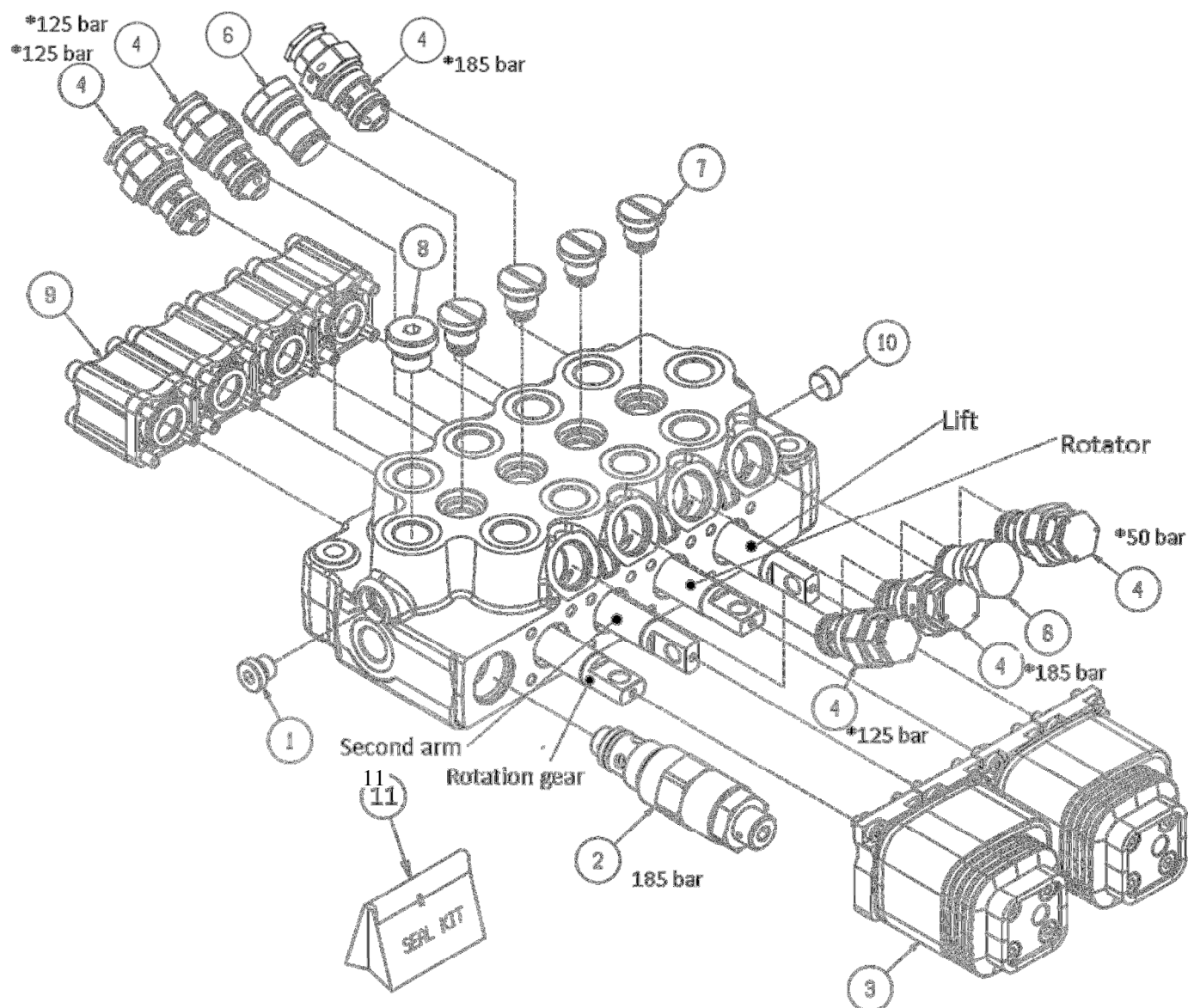
* = Adjust pressure

Ved lukket senter:

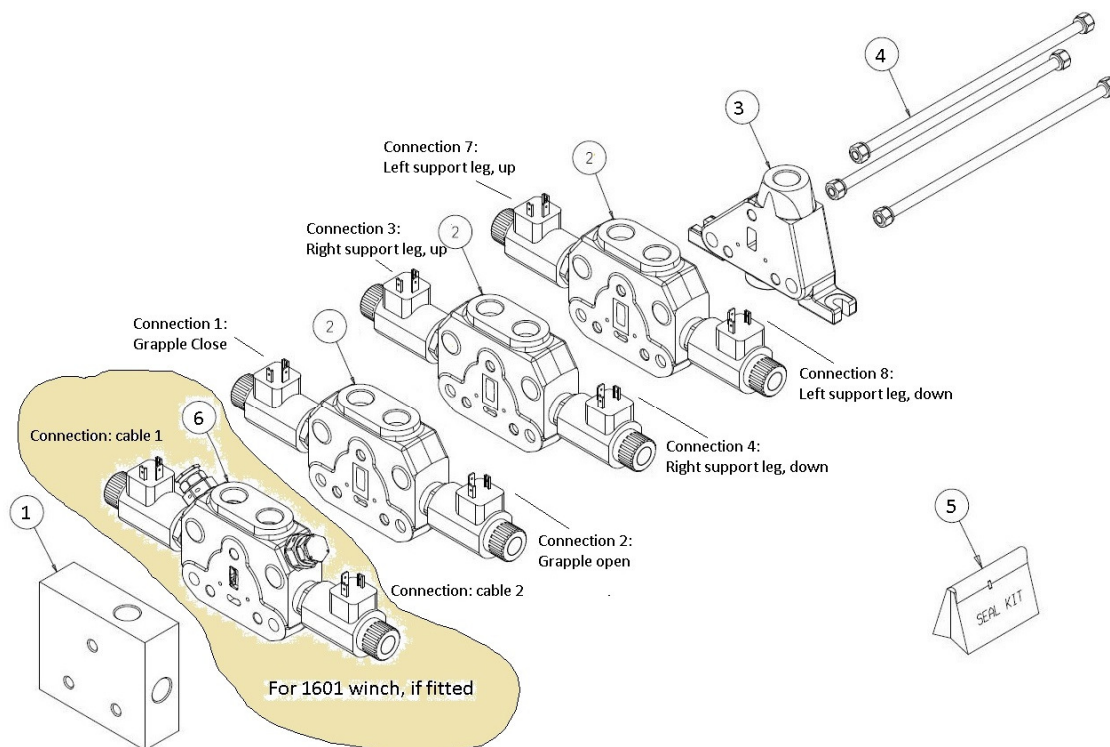
Ta ut blindplugg ved CC
Monter inn plugg for lukket senter, P/N 430646

Closed center:

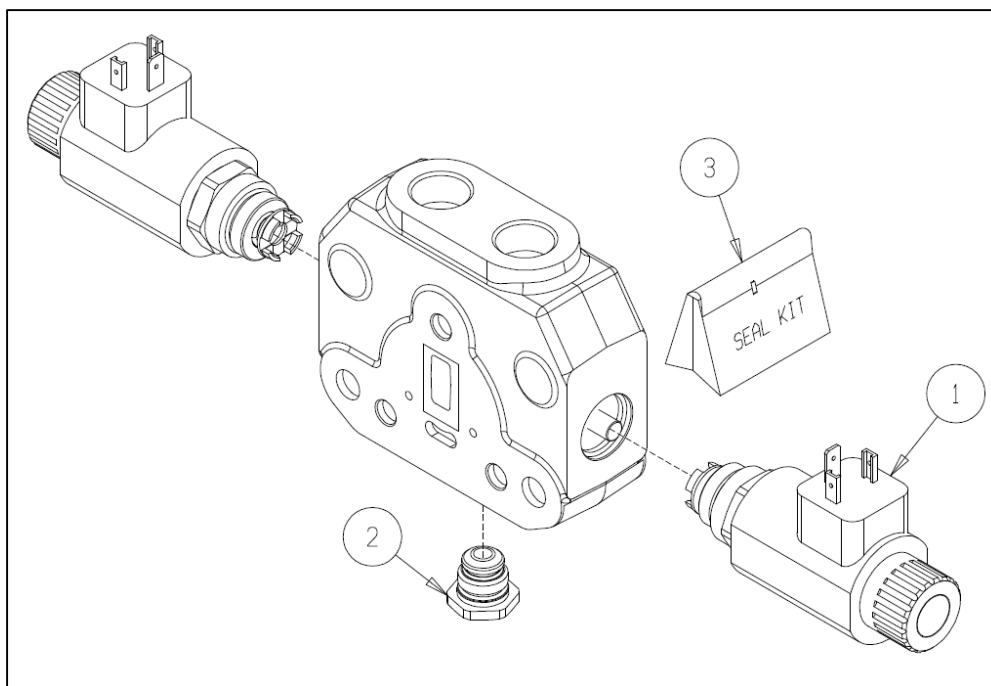
Remove plug CC
Install the closed center plug, P/N 430646

Light 2 lever control, el. on/off**Spare part list for valve HC-TR55/4 ON/OFF**

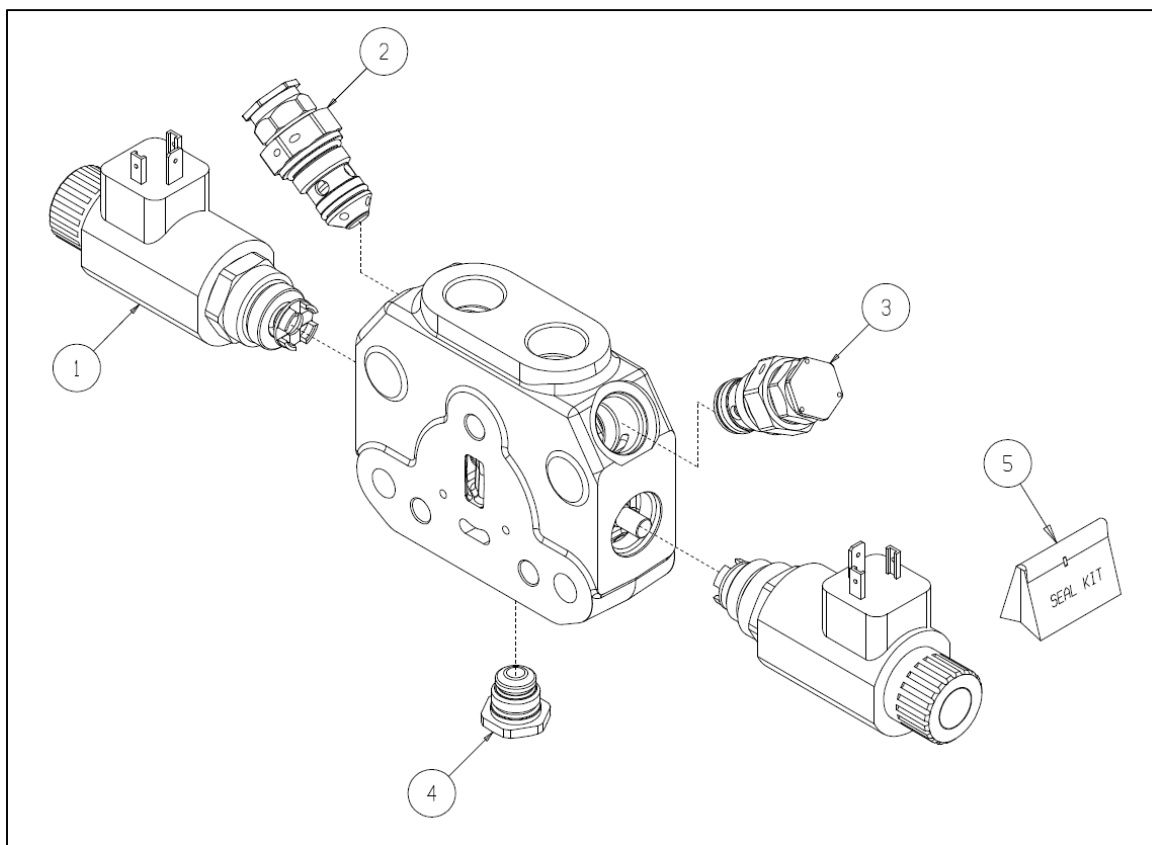
Pos.	Qty.	Description	Art. No.
1	1	Plug M10x1	431705
2	1	Shock valve 185 bar	431706
3	2	Top cover	431707
4	6	Shock valve * Adjust pressure when installing	431708
6	2	Plug	431710
7	4	Plug	431711
8	1	Plug 3/8" G DIN 3852	431712
9	4	Bottom cover	431713
10	1	Plug 1/4" G	431714
11	1	Seal kit	431715



Pos.	Qty.	Description	Art. No.
1	1	End section	431716
2	3	Working section	431717
3	1	End section	431719
4	3	Stud, lenght 210 mm, for 3 working section	431734
-	3	Stud, lenght 247 mm, for 4 working section	431720
5	1	Seal kit	431721
6	1	Working section. For 1601 winch, (if fitted)	430730

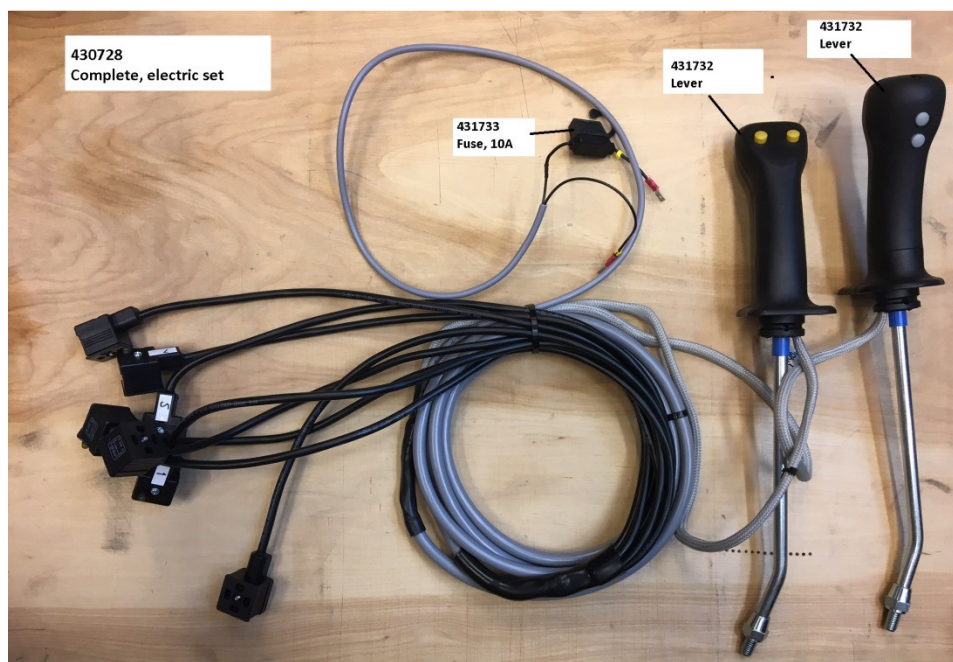
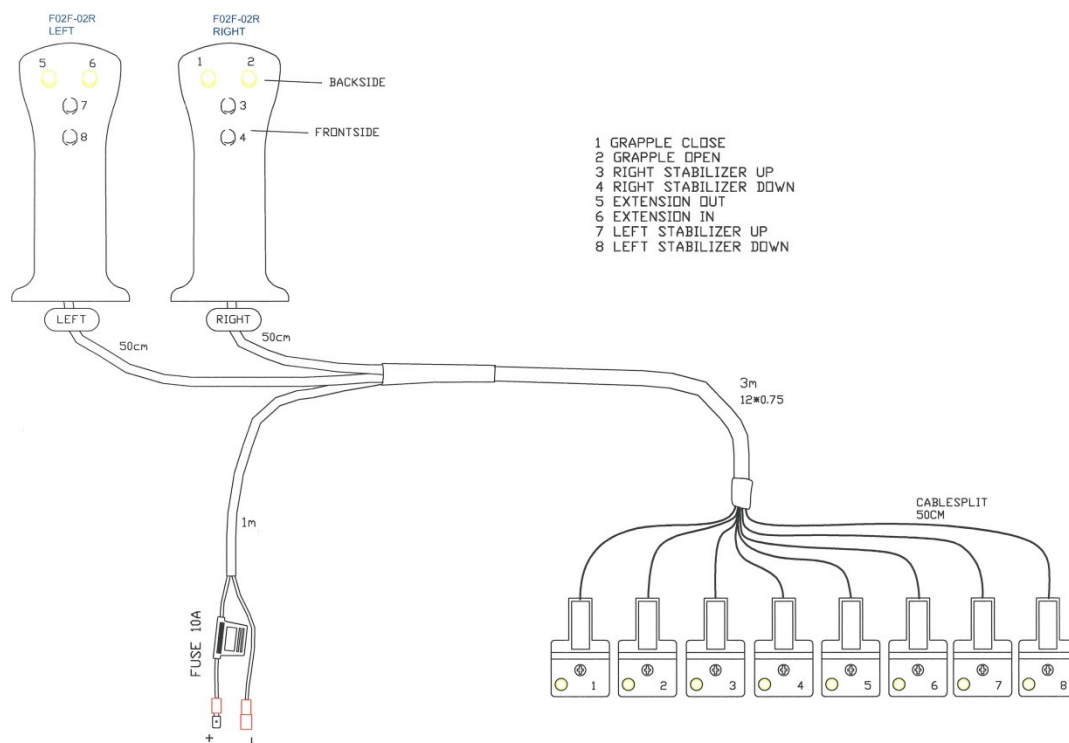
Working section without shock valve**Spare part list for section without shock valve**

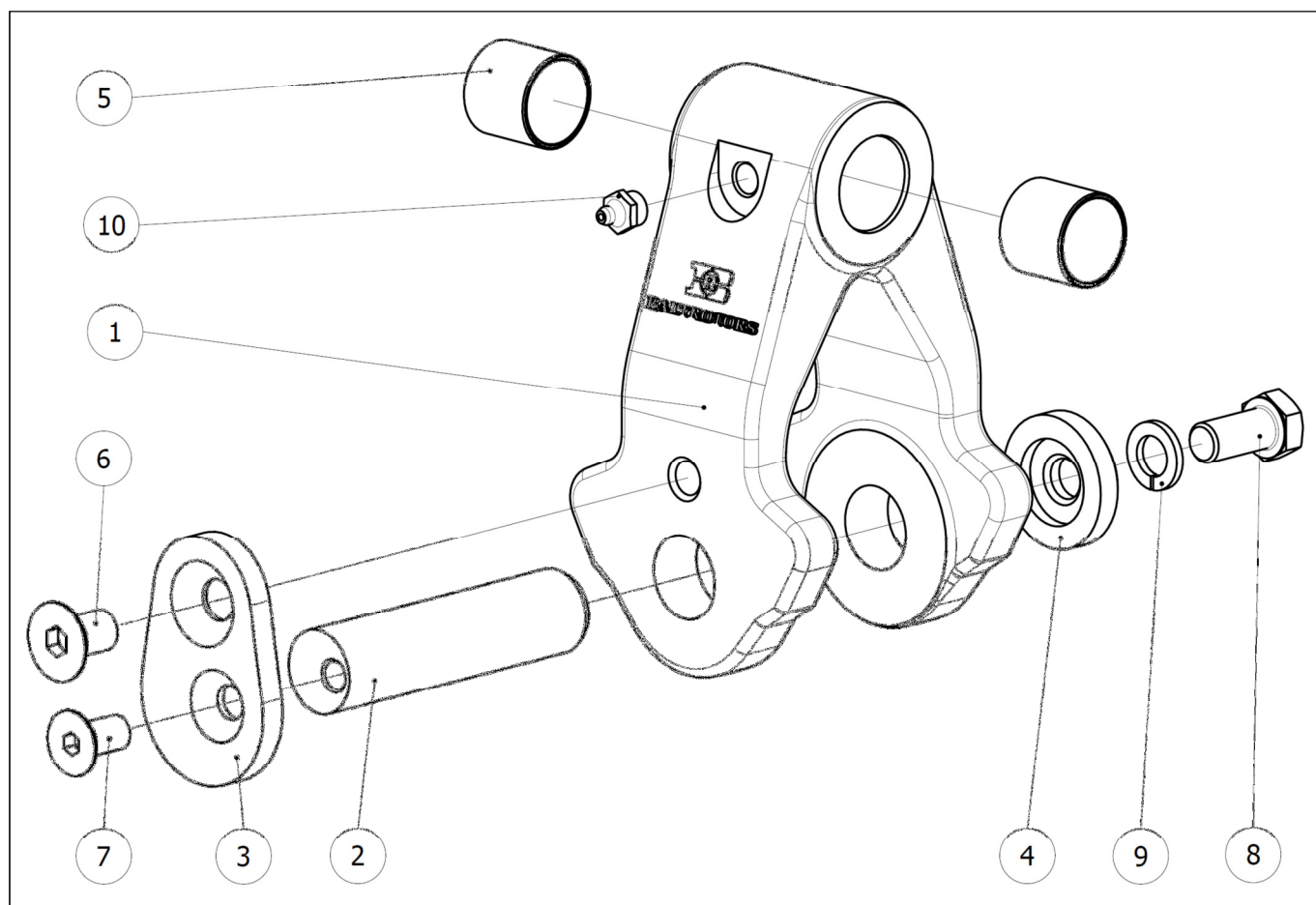
Pos.	Qty.	Description	Art. No.
1	2	Solenoid 12v	431724
2	1	Plug	431727
3	1	Seal kit	431729

Working section with shock valve for 1601 winch, if fitted**Spare part list for section with shock valve, for 1601 winch, if fitted**

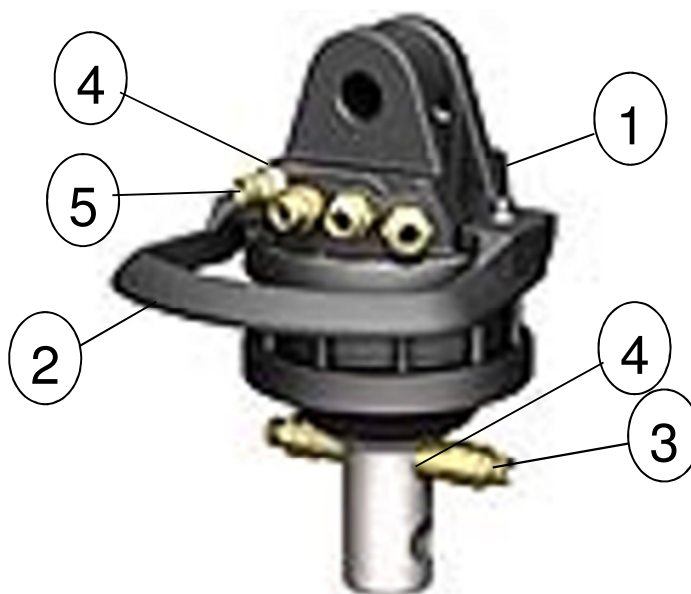
Pos.	Qty.	Description	Art. No.
1	2	Solenoid 12v	431724
2	1	Shock valve 160 bar	431730
3	1	Shock valve 160 bar	431730
4	1	Plug	431727
5	1	Seal kit	431728

Light 2 lever control, el. on/off, electrical parts



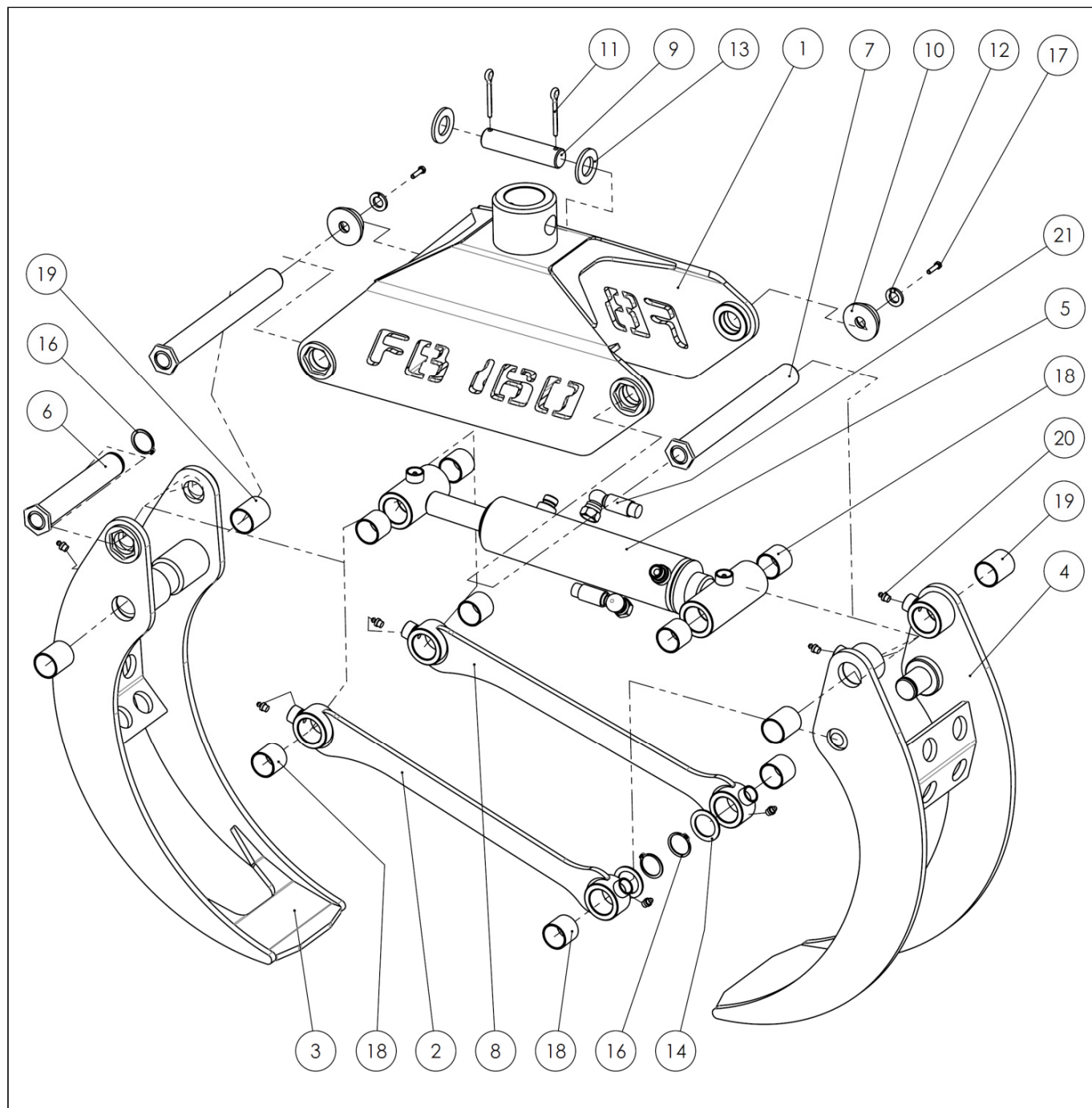
LINK**Spare part list for Link**

Pos.	Qty.	Art. No.	Description
1	1	432140	Link, complete
2	1	432141	Axle
3	1	432142	Plate
4	1	432143	Washer
5	2	430486	Bronze bushing
6	1	432144	Screw
7	1	432145	Screw
8	1	432146	Screw
9	1	432147	Spring washer
10	1	430491	Grease nipple

ROTATOR GR30**Spare part list for rotator GR30**

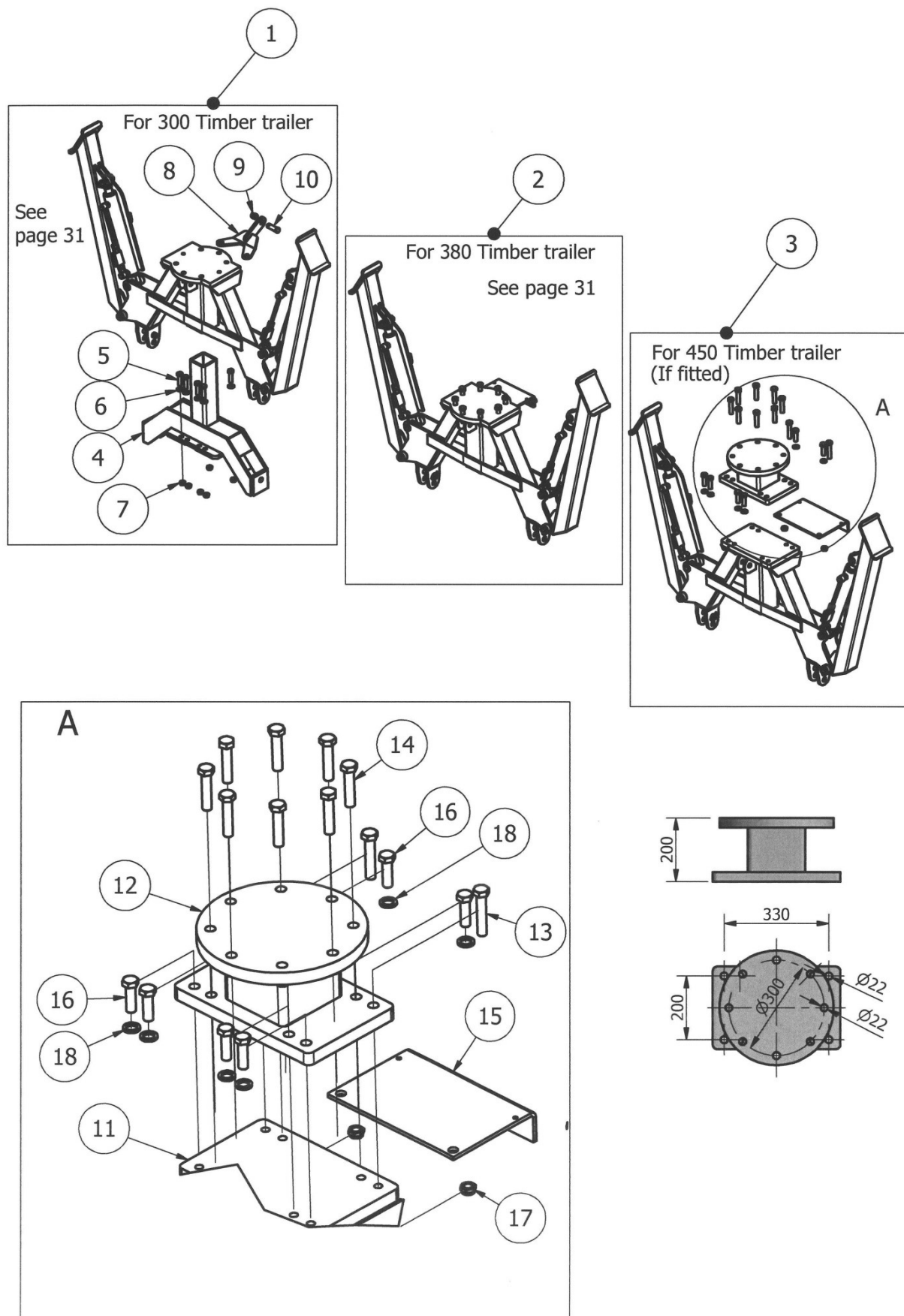
Pos.	Qty.	Description	Art. No.
1	1	Rotator GR 30, complete	430700
-	1	Repair kit	430705
2	1	Hose guard	430706
3	2	Nipple	430707
4	6	Bonded seal	047142
5	4	Nipple	048009

GRAPPLE FB160

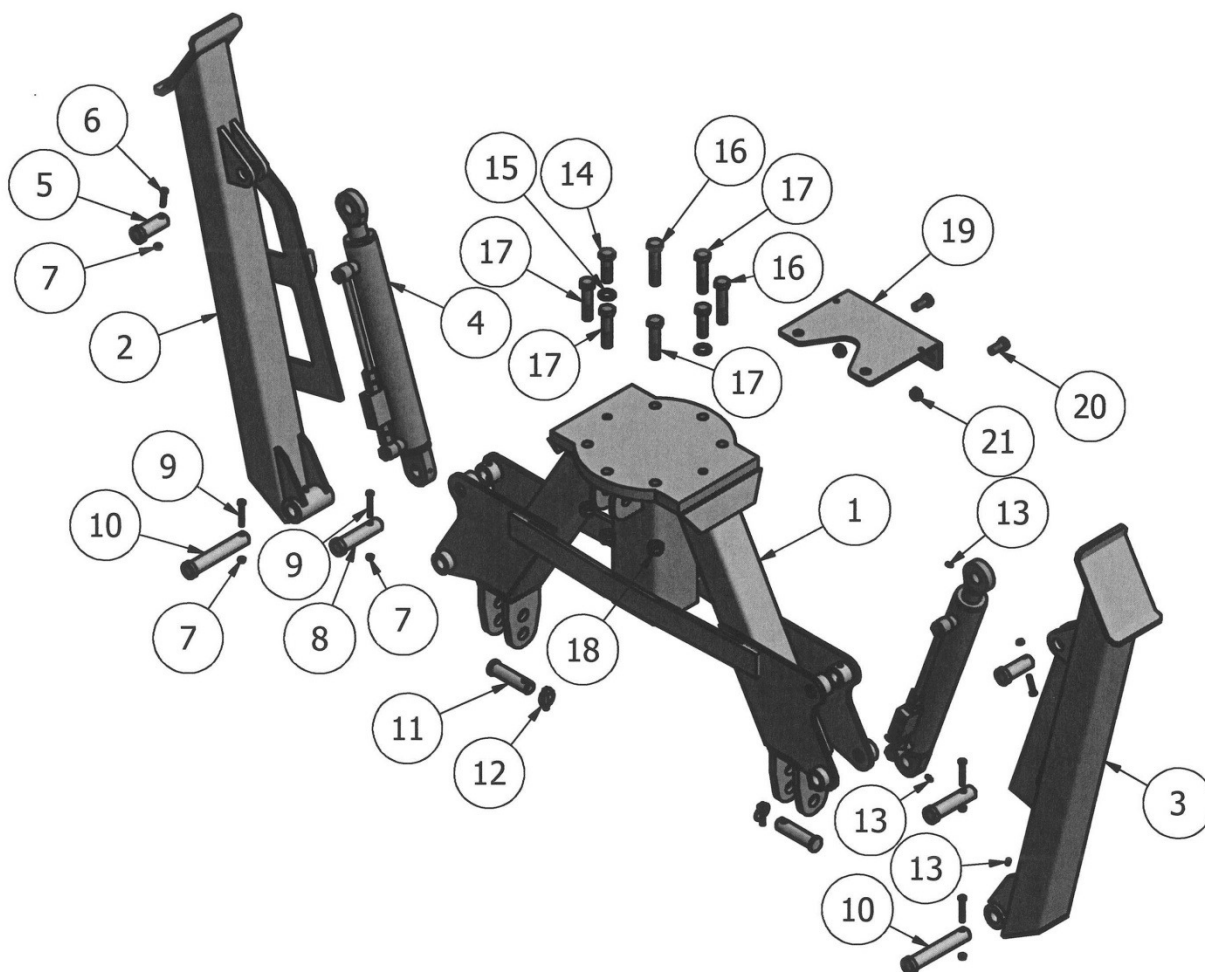


Spare part list for grapple FB160

Pos.	Qty.	Description	Mod. Dim.	Art. No.
		Grapple, complete		432110
1	1	Frame	-	432112
2	1	Link "A"	-	432113
3	1	Tong (inner)	-	432114
4	1	Tong (outer)	-	432115
5	1	Cylinder	70/60x30-166-385	432116
-	1	Repair kit for cylinder		432117
6	1	Axle	-	432118
7	2	Axle	-	432119
8	1	Link "B"	-	432120
9	1	Axle	D=25	432121
10	2	Ring	Ø50/15, t=16	432122
11	2	Split pinn	Ø5X50	021055
12	2	Spring washer	M16	012355
13	2	Washer	BRB 25x45 (M24)	430434
14	2	Washer	30/42x2	432123
15	1	Fixation ring	29 x 1.5	432124
16	2	Fixation ring	29 x 1.5	432125
17	2	Screw	M6S M5x20	432126
18	8	Bushing	30/34x30	432127
19	4	Bushing	30/34x40	432128
20	7	Grease nipple	M8x1.25	431542
21	2	Hydr. hose	$\frac{3}{8}$ "IR-550- $\frac{3}{8}$ " 90° Compact	430441



RESERVEDELSLISTE - SPARE PARTS LIST - ERSATZTEILLISTE					
Pos	Art.No.	No	Beskrivelse	Description	Bezeichnung
1	431001	1	3-pkt. ramme med hydr.lavett støttebein, for 300 henger	3-point frame, complete, for 300 timber trailer	
2	431010	1	3-pkt. ramme med hydr.lavett støttebein, for 380 henger	3-point frame, complete, for 380 timber trailer	
3	431002	1	3-pkt. ramme med hydr.lavett støttebein, for 450 henger	3-point frame, complete, for 450 timber trailer	
4	420053	1	Feste for kranfot, 300 henger	Frame	
5	012411	6	Skrue	Bolt	
6	012434	6	Skive	Washer	
7	012430	6	Mutter	Nut	
8	420059	1	Støttebrakett	Adapter	
9	021004	1	Orepinne	Linch pin	
10	020185	1	Bolt	Bolt	
11	420055	1	3-pkt. ramme, for 450 henger,	3-point frame, for 450 timber trailer	
12	431011	1	Adapter for 450 henger	Hex-Head Bolt	
13	012415	2	Skrue	Hex-Head Bolt	
14	012414	8	Skrue	Hex-Head Bolt	
15	422350	1	Festeplate, for 450	422350	
16	012410	6	Skrue	Hex-Head Bolt	
17	012430	2	Mutter	Hex Nut	
18	012435	6	Skive	Spring Washer	



RESERVEDELSLISTE - SPARE PARTS LIST - ERSATZTEILLISTE

Pos	Art.No.	No	Beskrivelse	Description	Bezeichnung
1	431010	1	3-pkt. ramme	3-point frame	
2	420056	1	Lavettbein, høyre	Stabilizer leg, right	
3	420057	1	Lavettbein, venstre	Stabilizer leg, left	
4	420211	2	Sylinder, komplett	Cylinder	
-	025083	2	Pakningssett for sylinder 420211	Seals kit, for cylinder	
5	021403	2	Bolt	Bolt	
6	012165	2	Skrue	Hex-Head Bolt	
7	012190	6	Mutter	Hex Nut	
8	021402	2	Bolt	Bolt	
9	012169	4	Skrue	Hex-Head Bolt	
10	021401	2	Bolt	Bolt	
11	020580	2	Bolt	Bolt	
12	021004	2	Orepinne	Linch pin	
13	017403	8	Smørenippel	Lubricating Nipple	
14	012410	2	Skrue	Hex-Head Bolt	
15	012435	2	Skive	Spring Washer	
16	012415	2	Skrue	Hex-Head Bolt	
17	012414	4	Skrue	Hex-Head Bolt	
18	012430	6	Mutter	Hex Nut	
19	431012	1	Festeplate, for 380 henger	431012	
20	012924	2	Skrue	Hex-Head Bolt	
21	012350	2	Mutter	Hex Nut	