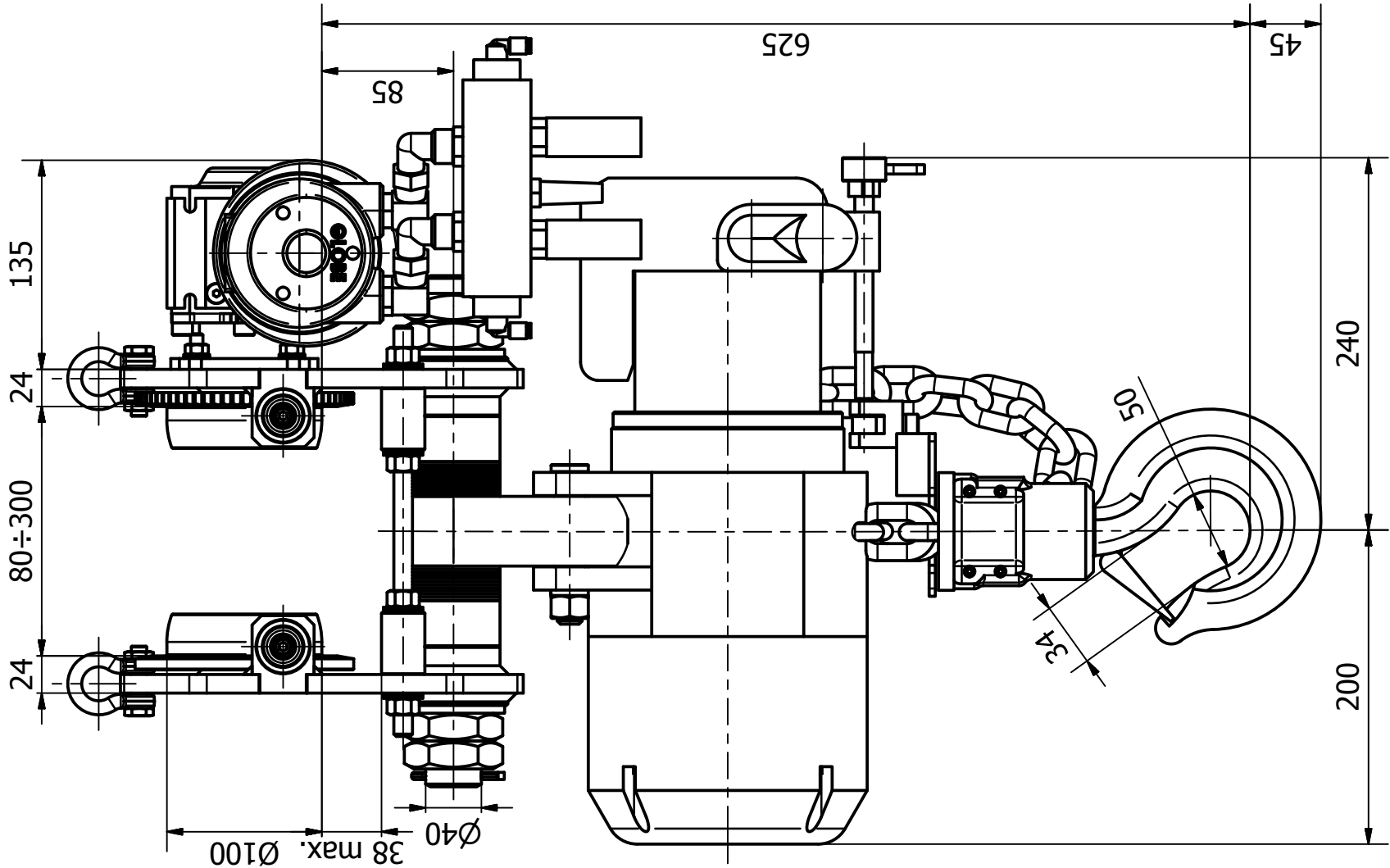
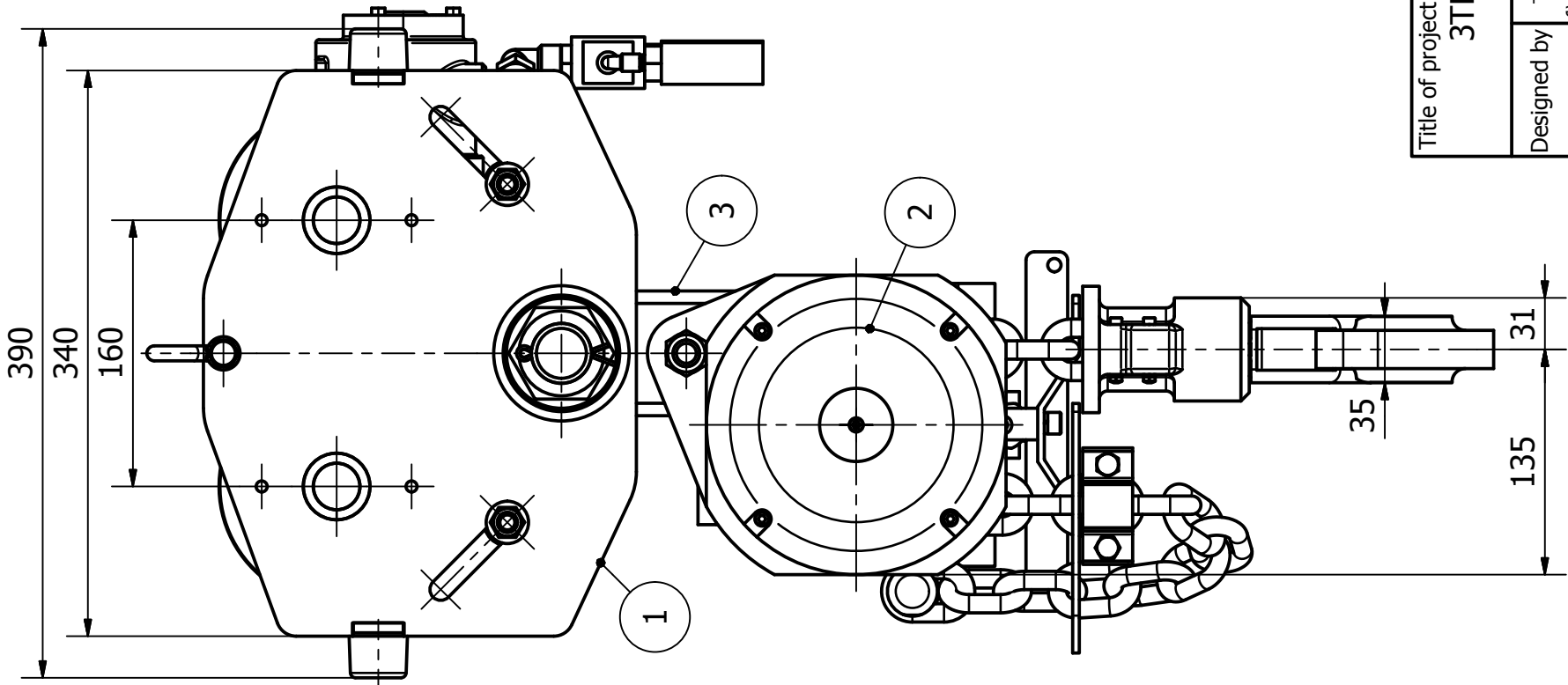
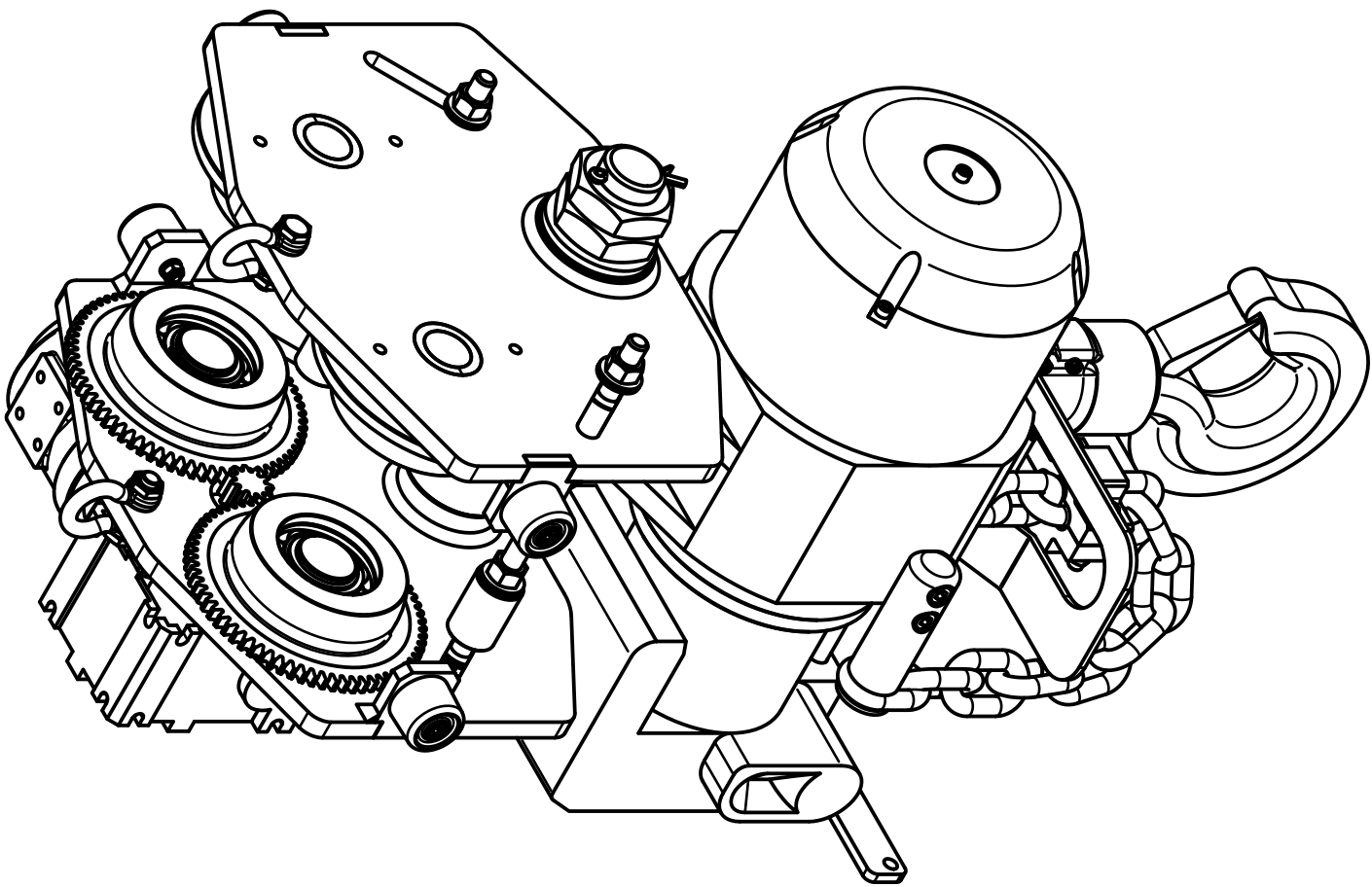




ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	DRG 1501-01	3TE Air Trolley (3TE/AT/4)	0
2	1	TCR 3000C	3TE Air Hoist	0
3	1	DRG 1501-20	Top Eye	0

Title of project 3TE Hoist and Trolley				Date 17/07/2013	Material -	Weight 110kg
Designed by T. Mikołajewski				 red rooster Red Rooster Industrial (UK) Ltd, Nautia House, The Meadows, Oldmeldrum, Aberdeenshire, AB51 0EZ Tel: +44(0)1651 872101 Main Fax: +44(0)1651 872098 Sales Fax: +44(0)1651 871405 www.rruk.com	Replaces draw -	
Checked by S. Przygoda		Date	Signature		Revision number 0	
Approved by B. Aitken						
Scale 1:5	Title of part TCR 3/1F - 1AT/3T/4				Part number DRG 1501-00 OLD	

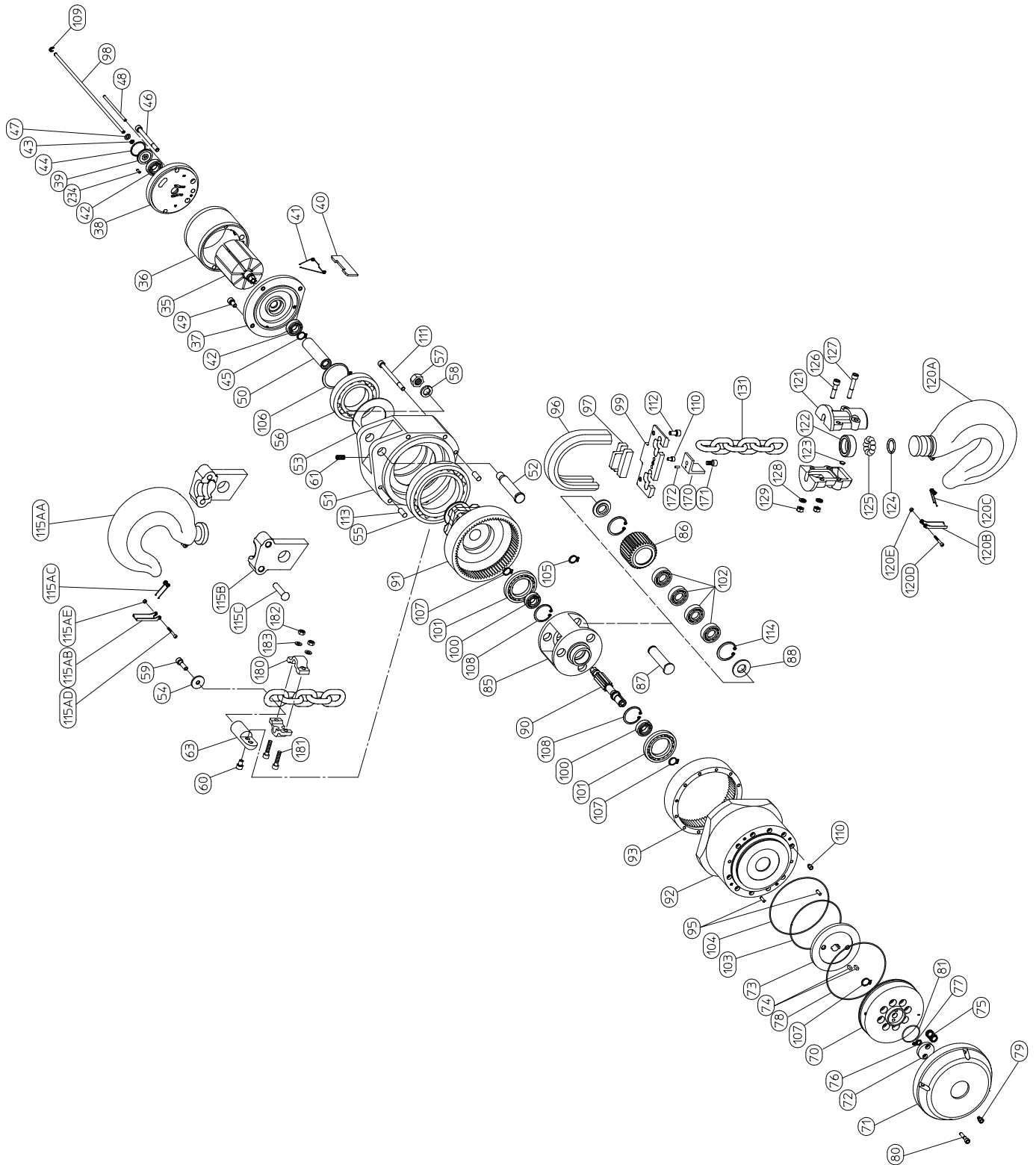


Fig. No.	Part Number	Part Name	Parts Per Hoist
035	426325150	ROTOR	1
036	426325160	STATOR	1
037	426325170	FRONT PLATE	1
038	426325180	REAR PLATE	1
039	426325190	REAR RETAINER	1
040	137102122	VANE	8
041	130802212	LIFT SPRING	8
042	130104004	BEARING 6003	2
043	131103004	O-RING S-6	1
044	131103026	O-RING S-32	1
045	130302017	RETAINING RING S-17	1
046	131708105	HEX SOCKET HEAD CAP SCREW M8X105	3
047	131307006	WASHER M6	1
048	130402054	KNOCK PIN	1
049	131708012	HEX SOCKET HEAD CAP SCREW M8X12	4
050	426325200	COUPLING	1
051	426324212	WHEEL HOUSING	1
052	426325220	HANGER PIN	1
053	426325230	SPACER	1
054	420875MN0	CHAIN END SET WASHER	1
055	130104019	BEARING 6019	1
056	130107013	BEARING 6212	1
057	134501016	U-NUT M16	1
058	131301016	SPRING WASHER M16	1
059	131708030	HEX SOCKET HEAD CAP SCREW M8X30	1
060	131708012	HEX SOCKET HEAD CAP SCREW M8X12	2
061	132108020	HEX SOCKET SET SCREW M8X20	1
063	426325730	SET PIECE	1
070	426325400	BRAKE PISTON	1
071	426325410	BRAKE COVER	1
072	426325420	PISTON COVER	1
073	426325430	BRAKE DISC	1
074	130408084	KEY	2
075	130802213	DISC SPRING	6
076	131103008	O-RING S-10	1
077	131101004	O-RING P-6	1
078	131103063	O-RING S-135	1
079	131706012	HEX SOCKET HEAD CAP SCREW M6X12	2
080	131706030	HEX SOCKET HEAD CAP SCREW M6X30	4
081	131117030	O-RING AS568-030	1
085	426325240	CAGE	1
086	426325250	STAR GEAR	3
087	426325260	PIN	3
088	426325270	THRUST COLLAR	6
090	426325290	PINION	1
091	426325300	WHEEL	1
092	426325310	GEAR CASE	1
093	426325320	RING GEAR	1
095	426325340	DOWEL PIN	4
096	426325351	CHAIN GUIDE	1
097	426325360	CHAIN SEPARATOR	1

Fig. No.	Part Number	Part Name	Parts Per Hoist
098	426325380	BRAKE TUBE	1
099	426325371	BOTTOM PLATE	1
100	130104004	BEARING 6003	2
101	130104010	BEARING 6009	2
102	130104005	BEARING 6004	12
103	131103058	O-RING S-115	1
104	131103063	O-RING S-135	1
105	130302020	RETAINING RING S-20	3
106	130302060	RETAINING RING S-60	1
107	130302017	RETAINING RING S-17	3
108	130301035	RETAINING RING H-35	2
109	130303005	RETAINING RING E-5	1
110	131706012	HEX SOCKET HEAD CAP SCREW M6X12	12
111	131708080	HEX SOCKET HEAD CAP SCREW M8X80	4
112	131708016	HEX SOCKET HEAD CAP SCREW M8X16	2
113	130406028	PARALLEL PIN 10X23	2
114	130301042	RETAINING RING H-42	6
115	42632557F	HOOK CP	1
115A	420655PAE	HOOK (W/SAFETY CLAW)	1
115AA	420655PF1	HOOK	1
115AB	420655P11	HOOK SAFETY CLAW	1
115AC	130802046	HOOK SPRING	1
115AD	131704028	HEX SOCKET HEAD CAP SCREW M4X28	1
115AE	134501004	U-NUT M4	1
115B	426325570	HOOK END PIECE	1
115C	133208035	RIVET 8X35	2
120	420875PAE	SWIVEL HOOK (W/SAFETYCLAW)	1
120A	420875PC1	SWIVEL UNDER HOOK	1
120B	420655P11	HOOK SAFETY CLAW	1
120C	130802046	HOOK SPRING	1
120D	131704028	HEX SOCKET HEAD CAP SCREW M4X28	1
120E	134501004	U-NUT M4	1
121	420875PZ1	SWIVEL HOOK JOINT	1
122	420875PW0	SWIVEL HOOK OUTER RACE	1
123	420875PY0	SWIVEL HOOK PLUG	1
124	131101025	O-RING P-25.5	1
125	130502024	STEEL BALL 3/8	10
126	131708035	HEX SOCKET HEAD CAP SCREW M8X35	2
127	131708050	HEX SOCKET HEAD CAP SCREW M8X50	2
128	131301008	SPRING WASHER M8	4
129	134501008	U-NUT M8	4
131	AHC112/80	LINK CHAIN 11.2mm	HOL
170	426325C90	STAY	1
171	131708015	HEX SOCKET HEAD CAP SCREW M8X15	1
172	130604010	SPRING PIN 4X10	1
180	420645JF0	CHAIN DOWN STOPPER	2
181	131708035	HEX SOCKET HEAD CAP SCREW M8X35	2
182	134401008	HEX NUT M8	2
183	131301008	SPRING WASHER M8	2
234	130406005	PARALLEL PIN 4X10 (H7)	2

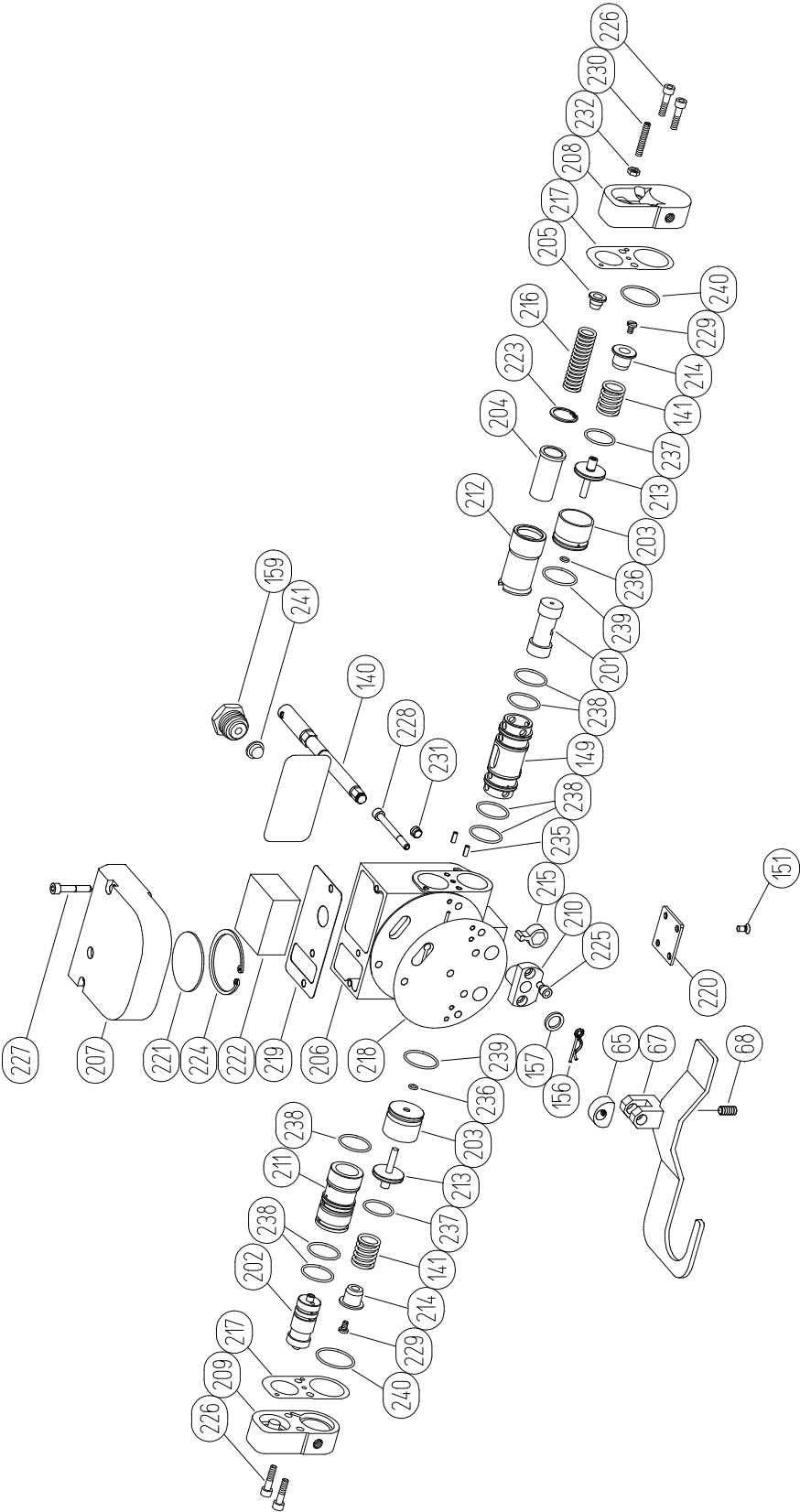
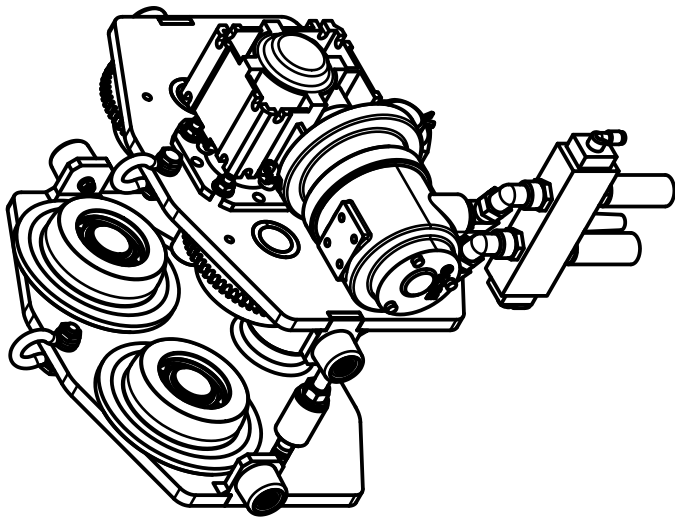
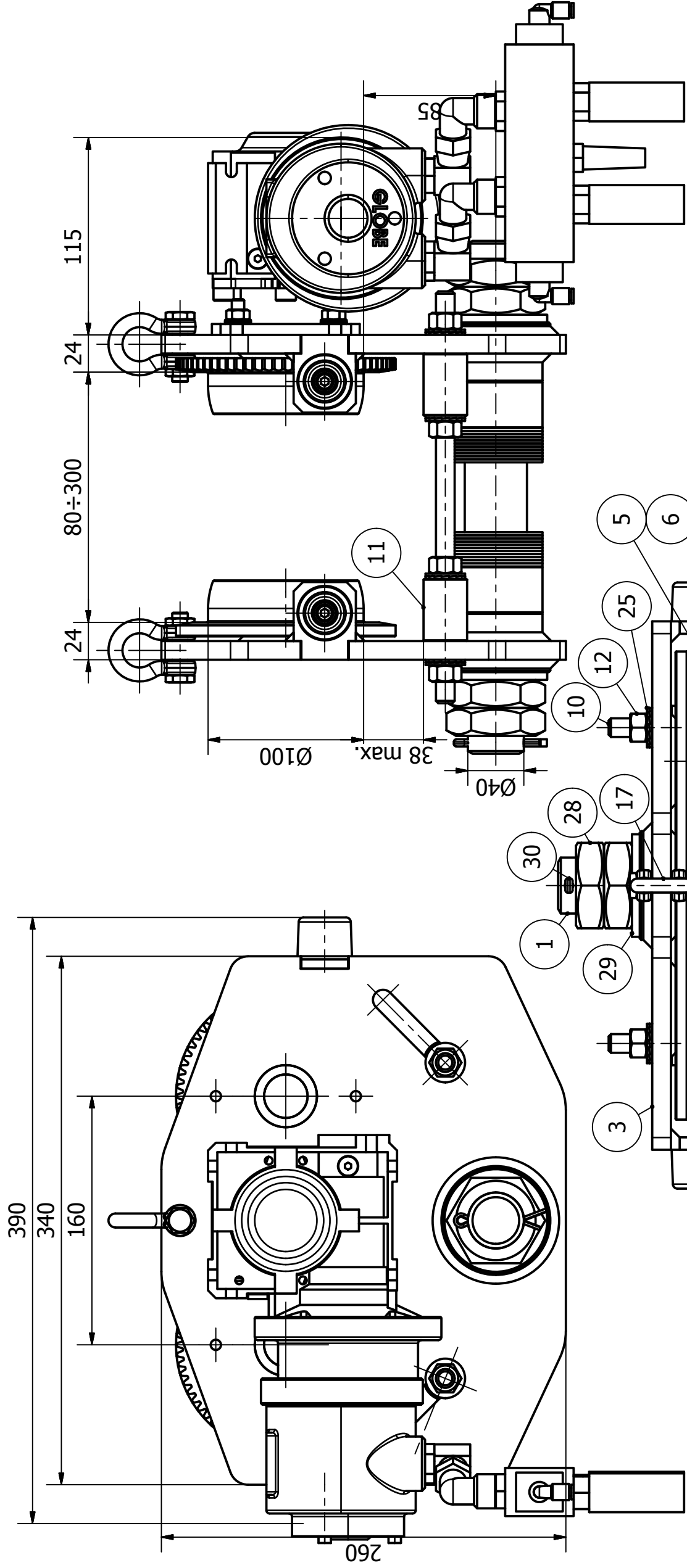


Fig. No.	Part Number	Part Name	Parts Per Hoist
065	426325740	CAM	1
067	426325113	CHAIN LEVER	1
068	132108008	HEX SOCKET SET SCREW M8X8	1
140	426326461	LIMIT SHAFT	1
141	130802217	SPRING 19.5X25X2.6	2
149	426325C30	MAIN BUSHING	1
151	132805010	HEX FLAT HEAD MACHINE SCREW M5X10	4
156	130790012	SNAP PIN 12	1
157	426325750	WASHER	1
159	134703070	INLET BUSHING	1
201	426224013	MAIN SPOOL	1
202	426224021	BRAKE SPOOL	1
203	426224C20	SPOOL CYLINDER	2
204	426224041	BRAKE RETAINER	1
205	426224051	BRAKE NUT	1
206	426224063	VALVE BODY	1
207	426224070	TOP COVER	1
208	426224083	SIDE COVER (L)	1
209	426224093	SIDE COVER (R)	1
210	426224101	LIMIT GUIDE	1
211	426224C40	BRAKE BUSHING	1
212	426224C50	LIMIT BUSHING	1
213	426224C60	SPOOL PISTON	2
214	426224C70	SPRING SEAT	2
215	426224140	LIMIT LEVER	1
216	130802216	SPRING 15X59X2.4	1
217	136102164	SIDE PACKING (N)	2
218	136102161	VALVE PACKING	1
219	136102192	TOP PACKING	1
220	136102163	UNDER PACKING	1
221	137402030	EXHAUST SILENCER	1
222	137402031	NYLON SILENCER	1
223	130301025	RETAINING RING H-25	1
224	130301058	RETAINING RING H-58	1
225	131706012	HEX SOCKET HEAD CAP SCREW M6X12	2
226	131706025	HEX SOCKET HEAD CAP SCREW M6X25	4
227	131706040	HEX SOCKET HEAD CAP SCREW M6X40	3
228	131706060	HEX SOCKET HEAD CAP SCREW M6X60	3
229	132405008	CROSS-RECESSED HEAD MACHINE SCREW M5X8	2
230	132306035	HEX SOCKET SET SCREW M6X35	1
231	134902003	HEX SOCKET PIP PLUG 1/8	1
232	134403006	HEX NUT M6	1
235	130604010	SPRING PIN 4X10	2
236	131103004	O-RING S-6	2
237	131103021	O-RING S-26	2
238	131103022	O-RING S-28	7
239	131103024	O-RING S-30	2

Fig. No.	Part Number	Part Name	Parts Per Hoist
240	131103027	O-RING S-34	2
241	136803032	1/2 NET SCREEN	1



Title of project 3TE Hoist and Trolley			Date 2013-07-16	Material -	Weight 40kg
Designed by T. Mikołajewski			Replaces draw -		
Checked by S. Przygoda					
Approved by B. Aitken					
Scale 1:5	Title of part 3TE Air Trolley (3TE/AT/4)				Part number DRG 1501-01 sheet 1/3

ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	DRG 1501-15 or DRG 1501-16 or DRG 1501-17	Load Bar (Range I - Flange 80÷160mm) Load Bar (Range II - Flange 160÷230mm) Load Bar (Range III - Flange 230÷300mm)	0 0 0
2	1	DRG 1501-02 OLD	Motor Plate	0
3	1	DRG 1501-03 OLD	Side Plate	0
4	2	DRG 1501-11 OLD	Gear Wheel	0
5	2	DRG 1501-12 OLD	Plain Wheel	0
6	4	DIN 625 SKF - SKF 6207-2Z	Deep groove ball bearings single row with two Z shields SKF	
7	4	DIN 471 - 35 x 1,5	Spring Retaining Ring	
8	depends on the Flange	DRG 1501-09 OLD	Spacer	0
9	depends on the Flange	DRG 1501-10 OLD	Spacer Washer	0
10	2	DRG 1501-13 OLD	Tie Rod	0
11	4	DRG 1501-14 OLD	Anti Tip Roller	0
12	8	ISO 4032 - M12	Hex Nut	
13	4		Buffer	0
14	4		Hex Nut	
15	4	ISO 4032 - M6 DIN 125 - A 6,4	Washer	
16	4	DIN 912 - M6 x 35	Cylinder Head Cap Screw	
17	2		Shackle 0,75TE	
18	4	ISO 4032 - M8	Hex Nut	
19	4	DIN 913 - M8 x 35	Hexagon Socket Set Screw	
20	1	DRG 1501-21	Pinion Shaft (for Gearbox NORD)	0
21	1	DIN 9021 - 8,4 VA4J	Washer	
22	1		Air Motor	0
23	1	DRG 1225-02	Transition Piece (for NORD Gearbox)	0
24	1		Pilot Valve and Silencers	0
25	8	NL12sp	M12 NordLock Washer Large Diameter Glued Pair	0
26	4	NL8sp	M8 NordLock Washer Large Diameter Glued Pair	0
27	3	NL1-4in	1/4" NordLock Washer Large Diameter Glued Pair	0
28	4	ISO 4035 - M36 DIN 125 - A 37	Hex Nut	
29	2		Washer	
30	2	ISO 1234 - 5 x 45	Split Pin	
31	4	DIN 472 - 75 x 2,5	Spring Retaining Ring	
32	1	NORD SK1SI40-AFH-IEC-63-2G (ratio 15-1) R	NORD Gearbox	
33	3	ANSI B18.3 - 1/4 - 20 UNC - 3/4 HS HCS	Hexagon Socket Head Cap Screw	
34	1	DIN 7984 - M8 x 25	Cylinder Head Cap Screw	
35	1	DIN 6885 - A 6 x 6 x 70	Parallel Key	

Title of project 3TE Hoist and Trolley				Date 16/07/2013	Material -	Weight 40kg
Designed by T. Mikołajewski				red rooster Red Rooster Industrial (UK) Ltd, Nautia House, The Meadows, Oldmeldrum, Aberdeenshire, AB51 0EZ Tel: +44(0)1651 872101 Main Fax: +44(0)1651 872098 Sales Fax: +44(0)1651 871405 www.rruk.com	Replaces draw -	
Checked by S. Przygoda					Revision number 0	
Approved by B. Aitken						
Scale 1:5	Title of part 3TE Air Trolley (3TE/AT/4)				Part number DRG 1501-01 sheet 2/3	