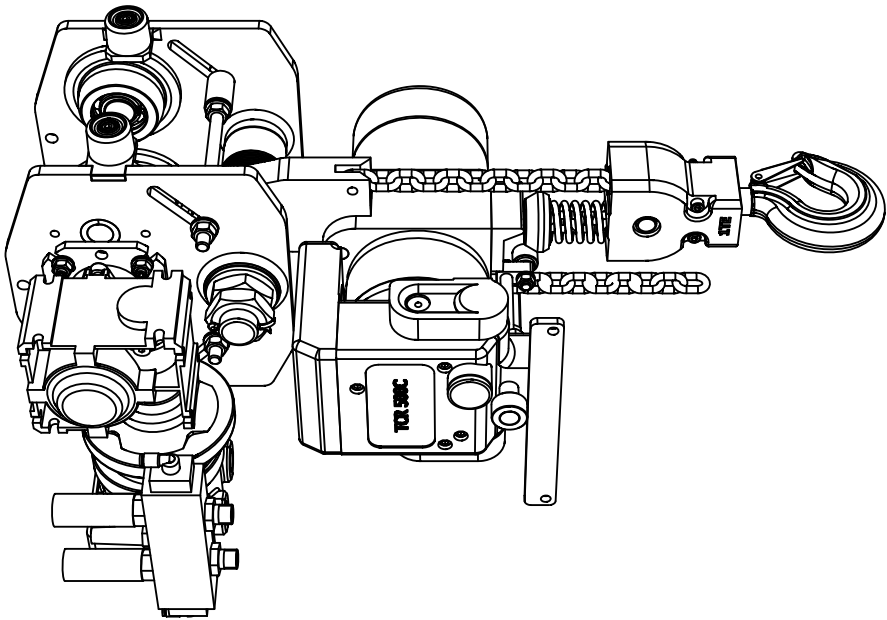
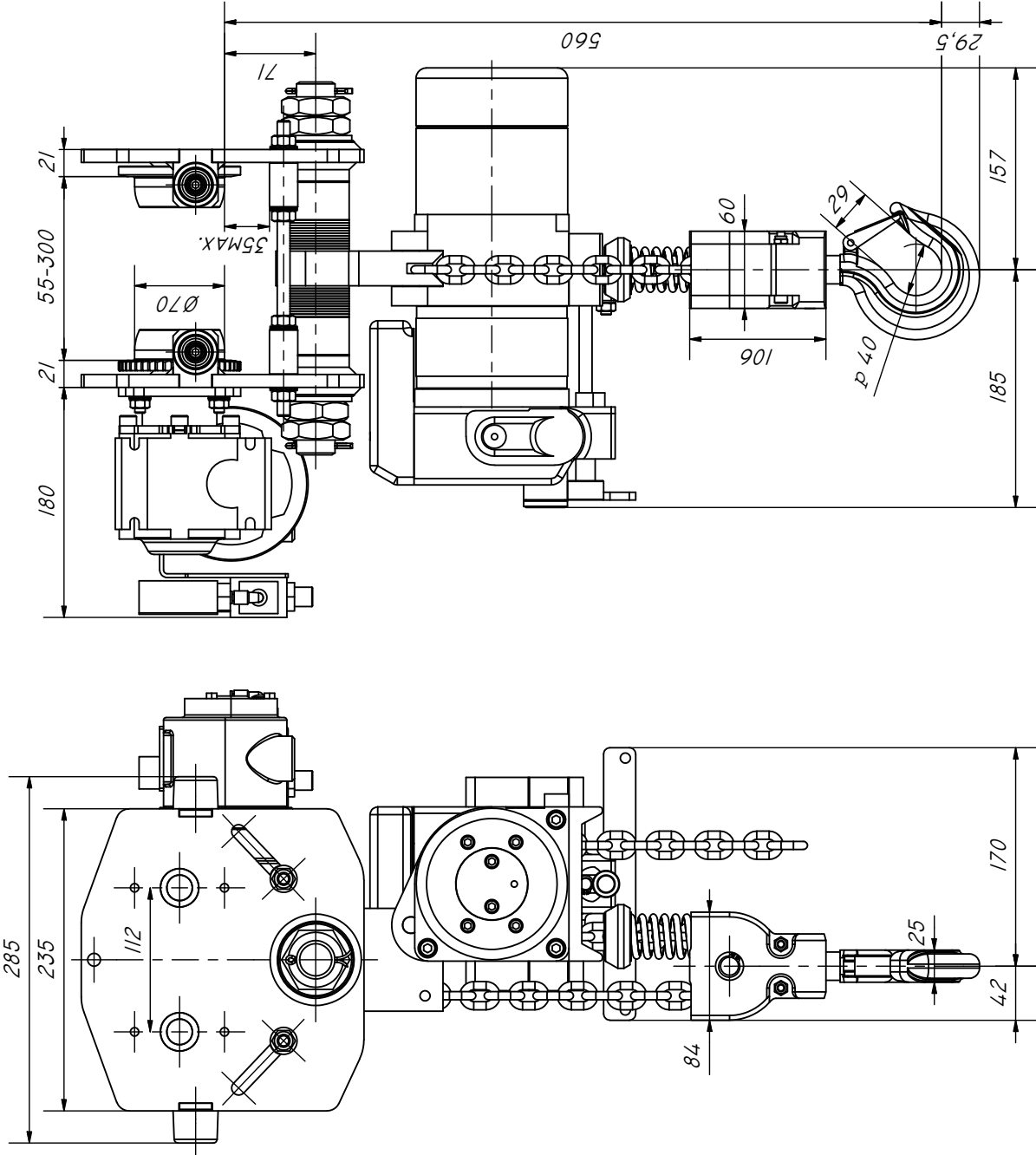
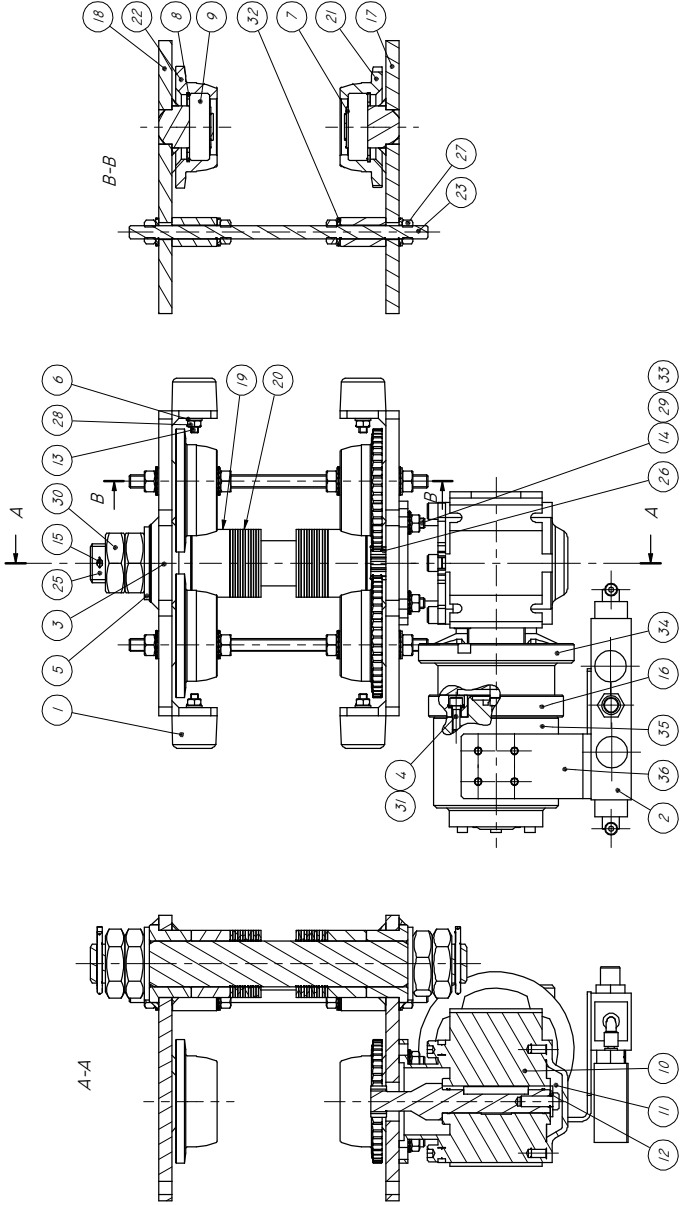
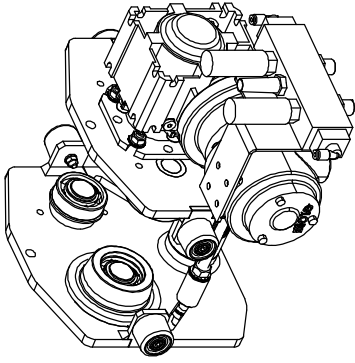
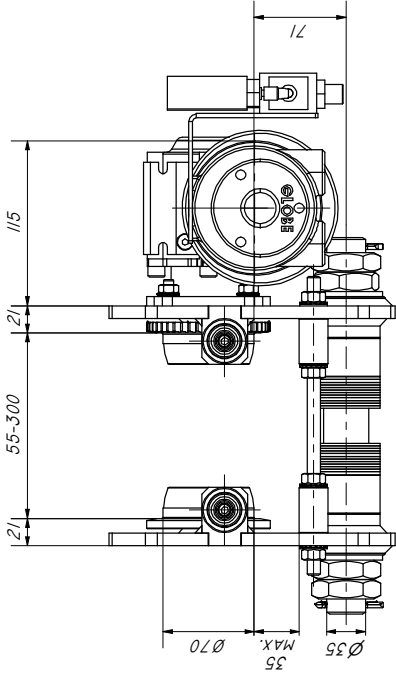
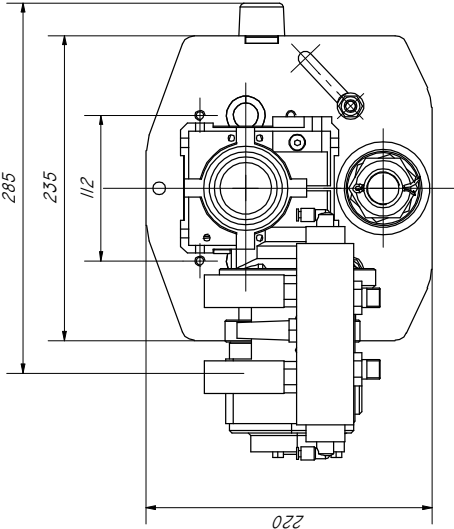


REVISION HISTORY		
REV.	DATE	APPROVED
0		



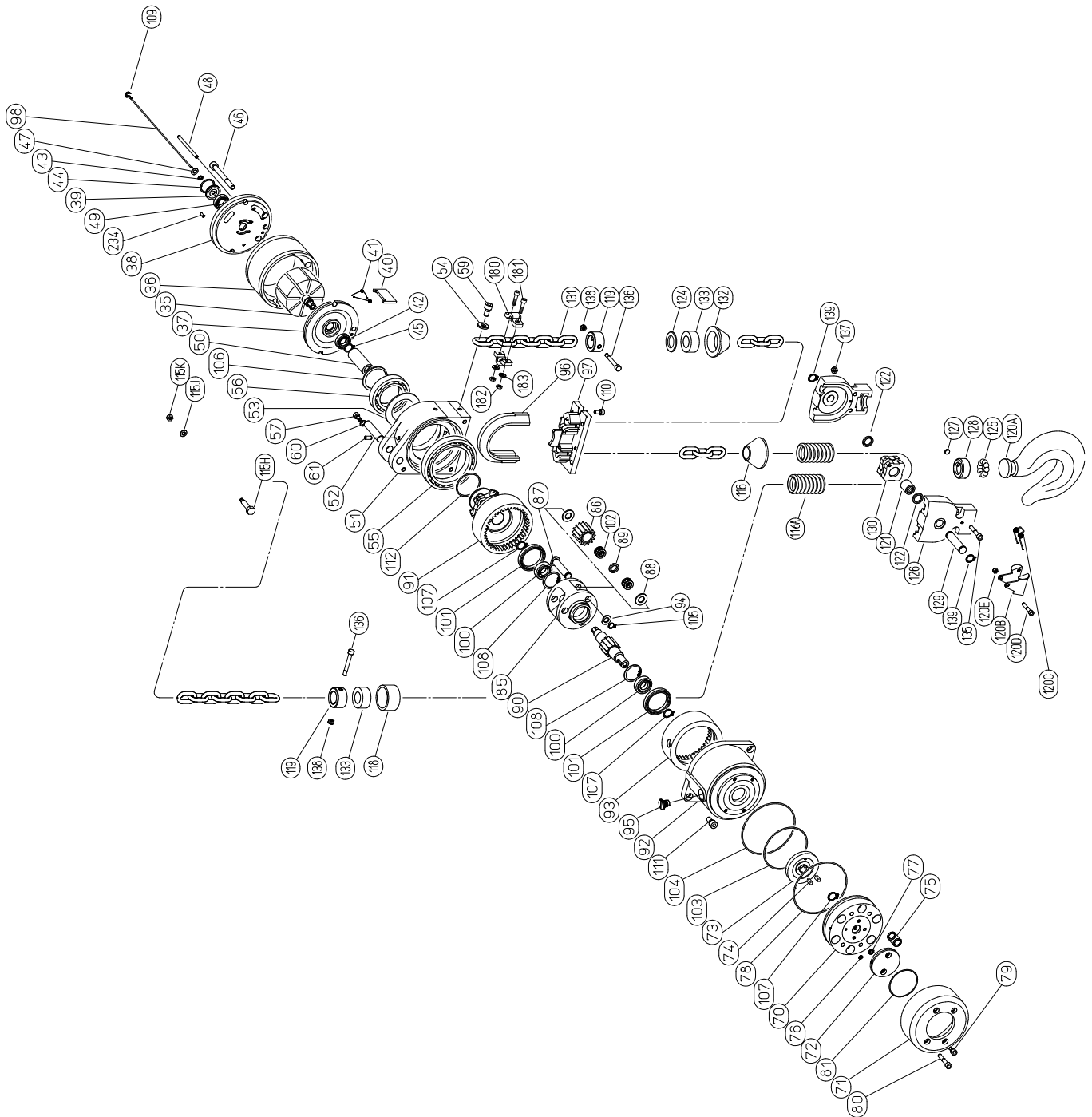
MATERIAL		TITLE OF PART		PART NUMBER	
SCALE NOT TO SCALE		IT HOIST AND TROLLEY		DRG 1500-27	
DESIGNED BY	T. MIKOLAJEWSKI	DATE	29/01/2018	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS TOLERANCES LINEAR UP TO 5 b 0,05 OVER 5 UP TO 30 b 0,1 OVER 30 UP TO 100 b 0,15 OVER 100 UP TO 500 b 0,2 OVER 500 UP TO 1000 b 0,5 OVER 1000 b 1 ANGULAR b 0,5° SURFACE ROUGHNESS $\sqrt{R}$ IF IN DOUBT ASK	
DRAWN BY	T. MIKOLAJEWSKI	REVISION	0		
CHECKED BY		WEIGHT	62KG		
APPROVED BY	B. AITKEN	REPLACES DRAWING	-		
SHEET SIZE A4		TITLE OF PROJECT		PROFILE NUMBER -	
		 RED ROOSTER LIFTING SAULTA HOUSE, THE PEASONS OLDHOLDSIA, ABERDEENSHIRE, AB51 0EZ TEL: +44(0)1463 872101 WWW.REDSHOOTERLIFTING.COM		TCR-1000/2-AT2S	

REVISION HISTORY		
REV.	DATE	APPROVED
0	17/04/2018	W. MORRISON



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	BUFFER	PILOT VALVE AND SILENCERS
2	1	SHOCKLE U.S.T.E	HEXAGON SOCKET HEAD CAP SCREW
3	2	ANSI B18.3 - 1/4 - 20 UNC - 3/4 HS HCS	WASHER
4	2	DIN 125 - A 31	WASHER
5	2	DIN 125 - A 6.4	WASHER
6	4	DIN 472 - 25 X 1.2	SPRING RETAINING RING
7	4	DIN 472 - 52 X 2	SPRING RETAINING RING
8	4	DIN 625 SNF - SNF 6.205-2Z	DEEP GROOVE BALL BEARINGS SINGLE ROW WITH TWO Z SHIELDS
9	4	DIN 6885 - A 6 X 6 X 50	WASHER
10	1	DIN 9021 - M8 X 25	WASHER
11	1	DIN 9021 - M8 X 45	WASHER
12	4	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
13	4	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
14	4	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
15	2	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
16	2	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
17	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
18	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
19	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
20	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
21	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
22	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
23	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
24	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
25	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
26	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
27	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
28	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
29	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
30	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
31	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
32	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
33	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
34	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
35	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW
36	1	DIN 913 - M8 X 50	HEXAGON SOCKET SET SCREW

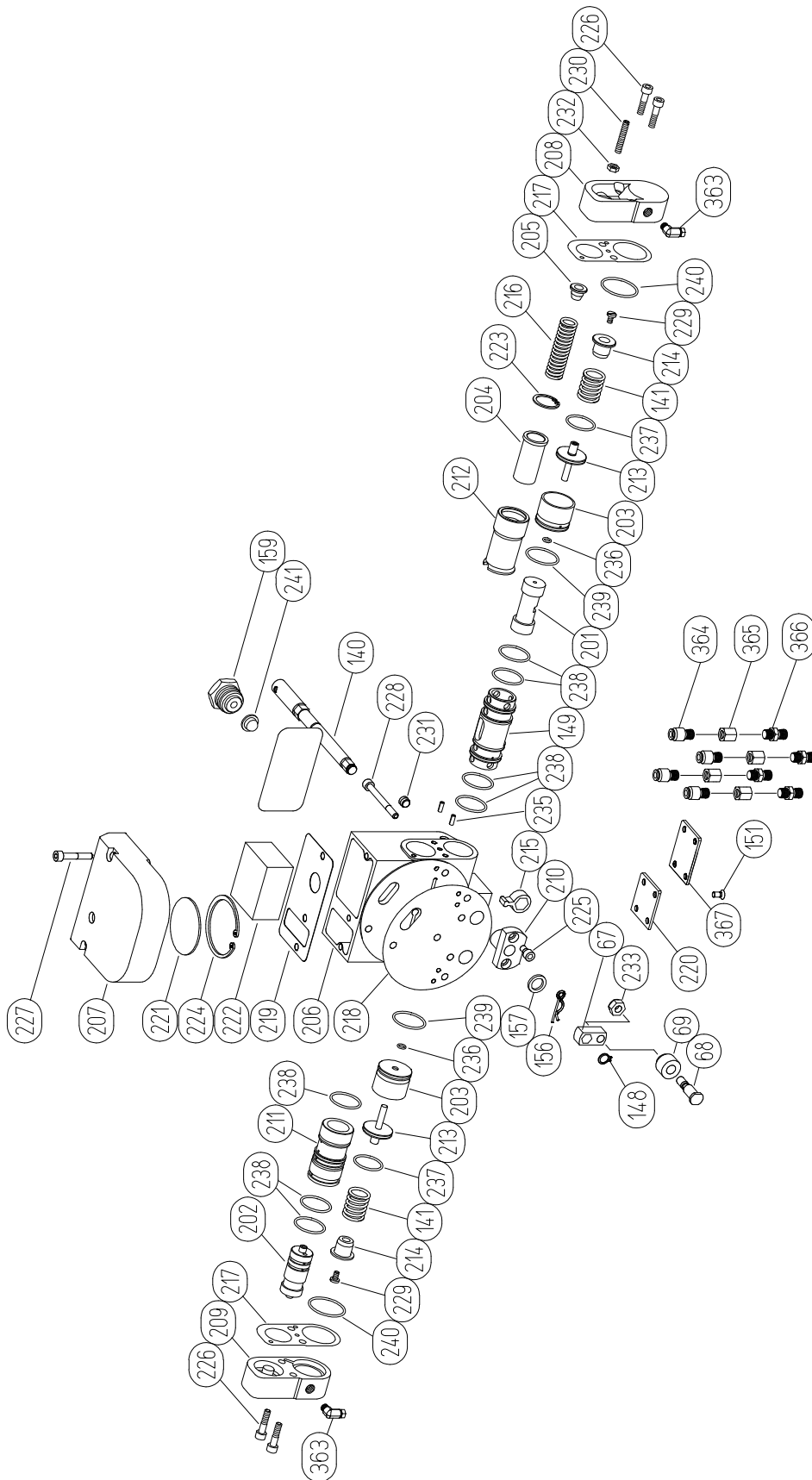
TITLE OF PART		TITLE OF PROJECT	
SCALE	MATERIAL	SUBPLANE	DATE
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DESIGNED BY	DATE	SIGNATURE	DATE
DRAWN BY	DATE	SIGNATURE	DATE
CHECKED BY	DATE	SIGNATURE	DATE
APPROVED BY	DATE	SIGNATURE	DATE
SHEET SIZE	DATE	SIGNATURE	DATE
A3	DATE	SIGNATURE	DATE
2TE HOIST AND TROLLEY			
2TE AIR TROLLEY (AT2S)			
DRG 1500D-01			
1 / 1			
REVISION HISTORY			
DATE			
29/01/2018			
REVISION WEIGHT			
0			
N/A			
REPLACES DRAWING			
PROFILE NUMBER			
ANGULAR $\pm 0.5^\circ$			
SURFACE ROUGHNESS $\sqrt{R}$			
IF IN DOUBT ASK			



Hoist Body - TCR-1000/2-AT2S
17.09.14

Fig. No.	Part Number	Part Name	Parts Per Hoist	Fig. No.	Part Number	Part Name	Parts Per Hoist
035	426224151	ROTOR	1	098	426224381	BRAKE TUBE	1
036	426224161	STATOR	1	100	130104003	BEARING 6002	2
037	426224171	FRONT PLATE	1	101	130112808	BEARING 6808	2
038	426224184	REAR PLATE	1	102	130170035	NEEDLE BEARING KT-121812	6
039	426224191	REAR RETAINER	1	103	131117042	O-RING AS568-042	1
040	137102120	VANE	8	104	131103055	O-RING S-105	1
041	130802235	LIFT SPRING	8	105	130302010	RETAINING RING S-10	3
042	130113002	BEARING 6902	1	106	130302045	RETAINING RING S-45	1
043	131103004	O-RING S-6	1	107	130302015	RETAINING RING S-15	3
044	131103023	O-RING S-29	1	108	130301032	RETAINING RING H-32	2
045	130302015	RETAINING RING S-15	1	109	130303005	RETAINING RING E-5	1
046	131708075	HEX SOCKET HEAD CAP SCREW M8X75	3	110	131706012	HEX SOCKET HEAD CAP SCREW M6X12	4
047	131307006	WASHER M6	1	111	131708016	HEX SOCKET HEAD CAP SCREW M8X16	3
048	130402051	KNOCK PIN	1	112	131103036	O-RING S-45	1
049	130104003	BEARING 6002	1	115H	426244580	HOOK JOINT BOLT	1
050	426224200	COUPLING	1	115J	131307006	WASHER M6	1
051	426224212	WHEEL HOUSING	1	115K	134501006	U-NUT M6	1
052	426224220	HANGER PIN	1	116	426244630	FREE LIMIT LOCK	1
053	426224230	SPACER	1	116A	130802219	SPRING 30X55X5	2
054	426261R50	WASHER	1	118	426244620	HOLDER	1
055	130113015	BEARING 6915	1	119	426224390	END STOPPER	2
056	130104010	BEARING 6009	1	120	426221S2F	HOOK CP	1
057	131706012	HEX SOCKET HEAD CAP SCREW M6X12	1	120A	426221S20	SWIVEL HOOK	1
059	131708025	hex socket head cap screw m8x25	1	120B	426221S30	HOOK SAFETY CLAW	1
060	426221R50	WASHER	1	120C	130802258	HOOK SPRING	1
061	132108012	HEX SOCKET SET SCREW M8X12	1	120D	131705035	HEX SOCKET HEAD CAP SCREW M5X36	1
070	426224401	BRAKE PISTON	1	120E	134501005	U-NUT M5	1
071	426224410	BRAKE COVER	1	121	130172006	NEEDLE BEARING (NF-1420)	1
072	426224421	PISTON COVER	1	122	131204014	OIL SEAL (OS14203)	2
073	426224430	BRAKE DISC	1	123	130802219	SPRING 30X55X5	2
074	130408081	KEY	2	124	426224C80	LIMIT WASHER	1
075	130802213	DISC SPRING	6	125	130502020	STEEL BALL 5/16	8
076	131103002	O-RING S-4	1	126	426244590	HOOK CASE	1
077	131101004	O-RING P-6	1	127	420846PY0	SWIVEL HOOK PLUG	1
078	131103055	O-RING S-105	1	128	420846PW0	SWIVEL HOOK OUTER RACE	1
079	131706012	HEX SOCKET HEAD CAP SCREW M6X12	2	129	426244600	WHEEL SHAFT	1
080	131706040	HEX SOCKET HEAD CAP SCREW M6X40	4	130	426241U20	FREE CHAIN WHEEL	1
081	131117033	O-RING AS568-033	1	131	AHC63/80	LINK CHAIN 6.3	HOL
085	426224240	CAGE	1	132	426224450	LIMIT LOCK	1
086	426224250	STAR GEAR	3	133	136206002	SHOCK ABSORBER	2
087	426224260	PIN	3	135	131706035	HEX SOCKET HEAD CAP SCREW M6X35	2
088	426224270	THRUST COLLAR	6	136	426224680	END BOLT	2
089	426224280	RETAINER	3	137	134501006	U-NUT M6	2
090	426224290	PINION	1	138	134501006	U-NUT M6	2
091	426224300	WHEEL	1	139	130302014	RETAINING RING S-14	2
092	426224312	GEAR CASE	1	180	420620JF0	CHAIN DOWN STOPPER	2
093	426224322	RING GEAR	1	181	131705022	HEX SOCKET HEAD CAP SCREW M5X22	2
094	426224330	SPACER (P)	3	182	134401005	HEX NUT M5	2
095	426221K90	LOCK SCREW	1	183	131301005	SPRING WASHER M5	2
096	426224352	CHAIN GUIDE	1	234	130406005	PARALLEL PIN 4X10(H7)	2
097	426224363	CHAIN SEPARATOR	1				

Pendant Body - TCR-1000/2-AT2S
17.09.14

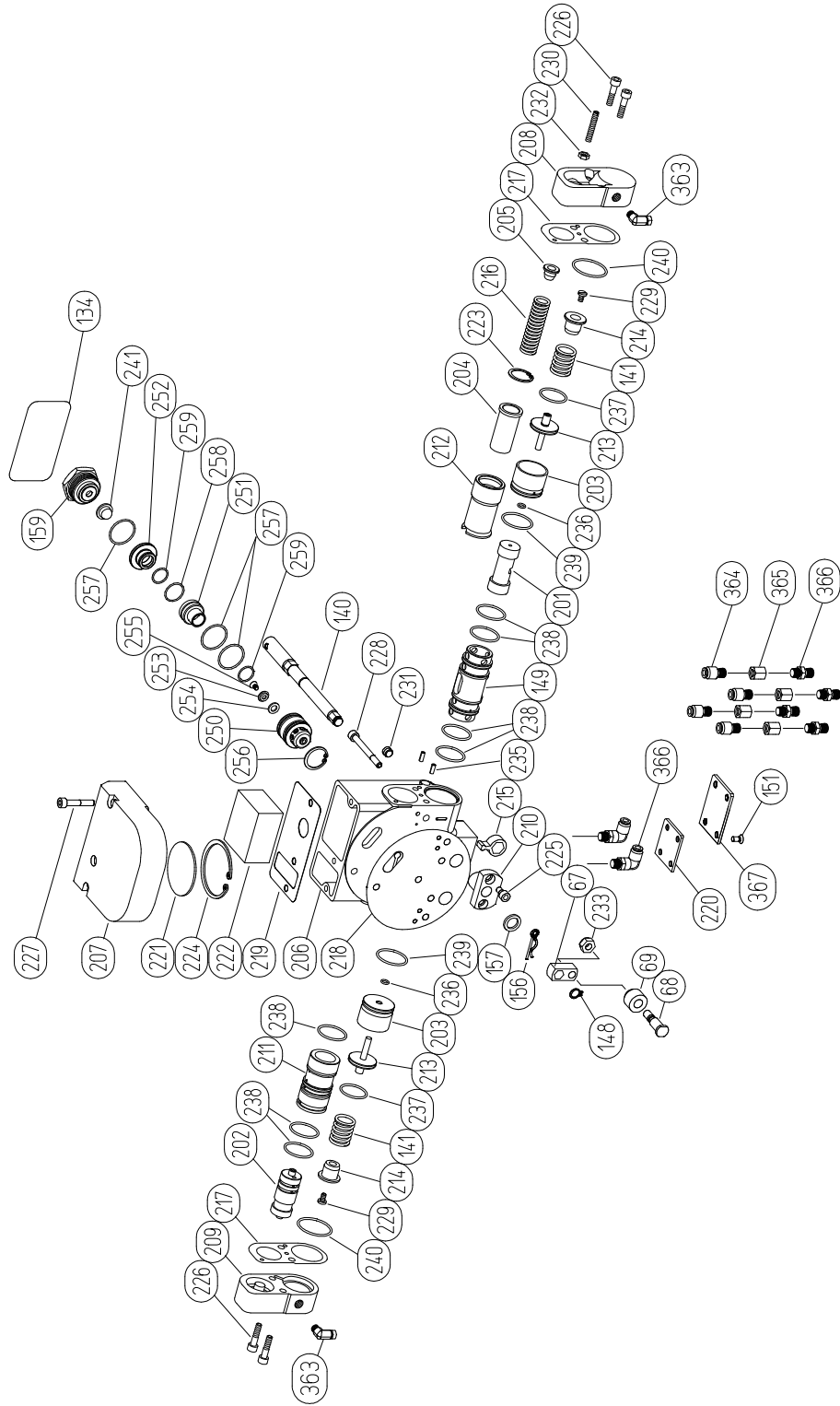


Pendant Body - TCR-1000/2-AT2S
17.09.14

Fig. No.	Part Number	Part Name	Parts Per Hoist
067	426224110	CHAIN LEVER	1
068	426224120	ROLLER SHAFT	1
069	426224130	LIMIT ROLLER	1
140	426224460	LIMIT SHAFT	1
141	130802217	SPRING 19.5X25X2.6	2
148	130302010	RETAINING RING S-10	1
149	426224C30	MAIN BUSHING	1
151	132805010	HEX FLAT HEAD MACHINE SCREW M5X10	4
156	130790015	SNAP PIN 12	1
157	426325750	WASHER	1
159	134703060	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	136102162	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 PIPE PLUG 1/8	1
232	134403006	HEX NUT M6	1
233	134501008	U-NUT M8	1
235	130604010	SPRING PIN 4X10	2
236	131103004	O-RING S-6	2
237	131103021	O-RING S-26	2

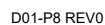
Fig. No.	Part Number	Part Name	Parts Per Hoist
238	131103022	O-RING S-28	7
239	131103024	O-RING S-30	2
240	131103027	O-RING S-34	2
241	136803032	1/2 NET SCREEN	1
363	P091	1/8 BSP TO 6MM BANJO	2
364	P087	1/8 BSP TO 6MM PUSH FIT	4
365	P044	1/8 BSP FEMALE SOCKET	4
366	P071/1	1/8 BSP HEX NIPPLE c/w 60° CONE	4
367A	COND/BRKT/HOIST	PENDANT BRACKET 9M BELOW	1
367B	COND/BRKT/SYJA2	PENDANT BRACKET 10M ABOVE	1
367C	DRG1354-05	PENDANT BRACKET 9M BELOW	1
367D	DRG1354-04	PENDANT BRACKET 10M ABOVE	1

Built-In Mains Emergency Stop Valve Pendant Body - TCR-1000/2-AT2S
17.09.15



Built-In Mains Emergency Stop Valve Pendant Body - TCR-1000/2-AT2S
17.09.15

Fig. No.	Part Number	Part Name	Parts Per Hoist	Fig. No.	Part Number	Part Name	Parts Per Hoist
067	426224110	CHAIN LEVER	1	238	131103022	O-RING S-28	7
068	426224120	ROLLER SHAFT	1	239	131103024	O-RING S-30	2
069	426224130	LIMIT ROLLER	1	240	131103027	O-RING S-34	2
134	137109078	NAME PLATE	1	241	136803032	1/2 NET SCREEN	1
140	426224460	LIMIT SHAFT	1	250	426226G70	MAIN CUT BUSHING	1
141	130802217	SPRING 19.5X25X2.6	2	251	426226G80	MAIN VALVE	1
148	130302010	RETAINING RING S-10	1	252	426226G90	MAIN CUT CAP	1
149	426224C30	MAIN BUSHING	1	253	426226H00	MAIN CUT HOLDER	1
151	132805010	HEX FLAT HEAD MACHINE SCREW M5X10	4	254	136102167	MAIN CUT SEAT	1
156	130790012	SNAP PIN 12	1	255	132904208	CROSS RECESSED HEAD SCREWS M4X8	1
157	426325750	WASHER	1	256	130301030	RETAINING RING H-30	1
159	426226G60	INLET BUSHING	1	257	131117023	O-RING AS568-023	3
201	426224013	MAIN SPOOL	1	258	131103016	O-RING S-20	1
202	426224021	BRAKE SPOOL	1	259	131103014	O-RING S-16	2
203	426224C20	SPOOL CYLINDER	2	363	P091	1/8 BSP TO 6MM BANJO	4
204	426224041	BRAKE RETAINER	1	364	P087	1/8 BSP TO 6MM PUSH FIT	4
205	426224051	BRAKE NUT	1	365	P044	1/8 BSP FEMALE SOCKET	4
206	426226060	VALVE BODY	1	366	P071/1	1/8 BSP HEX NIPPLE c/w 60° CONE	4
207	426224070	TOP COVER	1	367A	COND/BRKT/HOIST	PENDANT BRACKET 9M BELOW	1
208	426224083	SIDE COVER (L)	1	367B	COND/BRKT/SYJA2	PENDANT BRACKET 10M ABOVE	1
209	426224093	SIDE COVER (R)	1	367C	DRG1354-05	PENDANT BRACKET 9M BELOW	1
210	426224101	LIMIT GUIDE	1	367D	DRG1354-04	PENDANT BRACKET 10M ABOVE	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	136102162	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 PIPE PLUG 1/8	1				
232	134403006	HEX NUT M6	1				
233	134501008	U-NUT M8	1				
235	130604010	SPRING PIN 4X10	2				
236	131103004	O-RING S-6	2				
237	131103021	O-RING S-26	2				



Pendant - VRD-4R

Fig. No.	Part Number	Part Name	Parts Per Hoist
A	420218VB0	THROTTLE VALVE	4
B	420235VR0	VALVE BODY	1
C	420218VF0	BUSHING	4
D	420235X40	BUTTON	4
E	130802036	SPRING 6X18X0.32	4
F	420235W50	FRONT CASE	1
G	420235W60	REAR CASE	1
H	136608256	BOOT	1
J	420235VM0	ADJUST SCREW	1
K	131705310	HEX SOCKET HEAD CAP SCREW M5X10	1
L	132404114	PHILLIPS HEAD MACHINE SCREW M5X14	4
M	132904221	SELF TAPPING SCREW 4X20	6
N	132105305	HEX SOCKET HEAD CAP SCREW M5X5	4
P	131309206	WASHER M6	1
Q	130301912	RETAINING RING H-12	1
R	131109001	O-RING S-3 (HS90°)	4
S	131103005	O-RING S-7	1
T	131103008	O-RING S-10	4
U	131103009	O-RING S-11.2	4
V	420224V61	EMERGENCY VALVE	1
W	420228V50	EMERGENCY BUSHING	1
X	136690503	EMERGENCY SWITCH	1
Y	420228W00	PUSH ROD	1
Z	131103002	O-RING S-4	2
AA	131103004	O-RING S-6	2
AB	131103008	O-RING S-10	1
AC	131103009	O-RING S-11.2	2
AD	130303204	RETAINING RING E-4	1
AE	131307105	WASHER M5	1
AF	P128	1/8 BSP COMPACT ELBOW C/W 60° CONE	4
AG	P071/1	1/8 BSP NIPPLE C/W 60° CONE	2
AH	P016/1	1/8 BSP TO 1/4 HOSETAIL SWIVEL	12
AJ	P002/1	1/4 HOSE FERRULE	12
AL		STRAINER WIRE	1
AK	1/4-HOSE	1/4 ANTI STATIC RUBBER HOSE	6