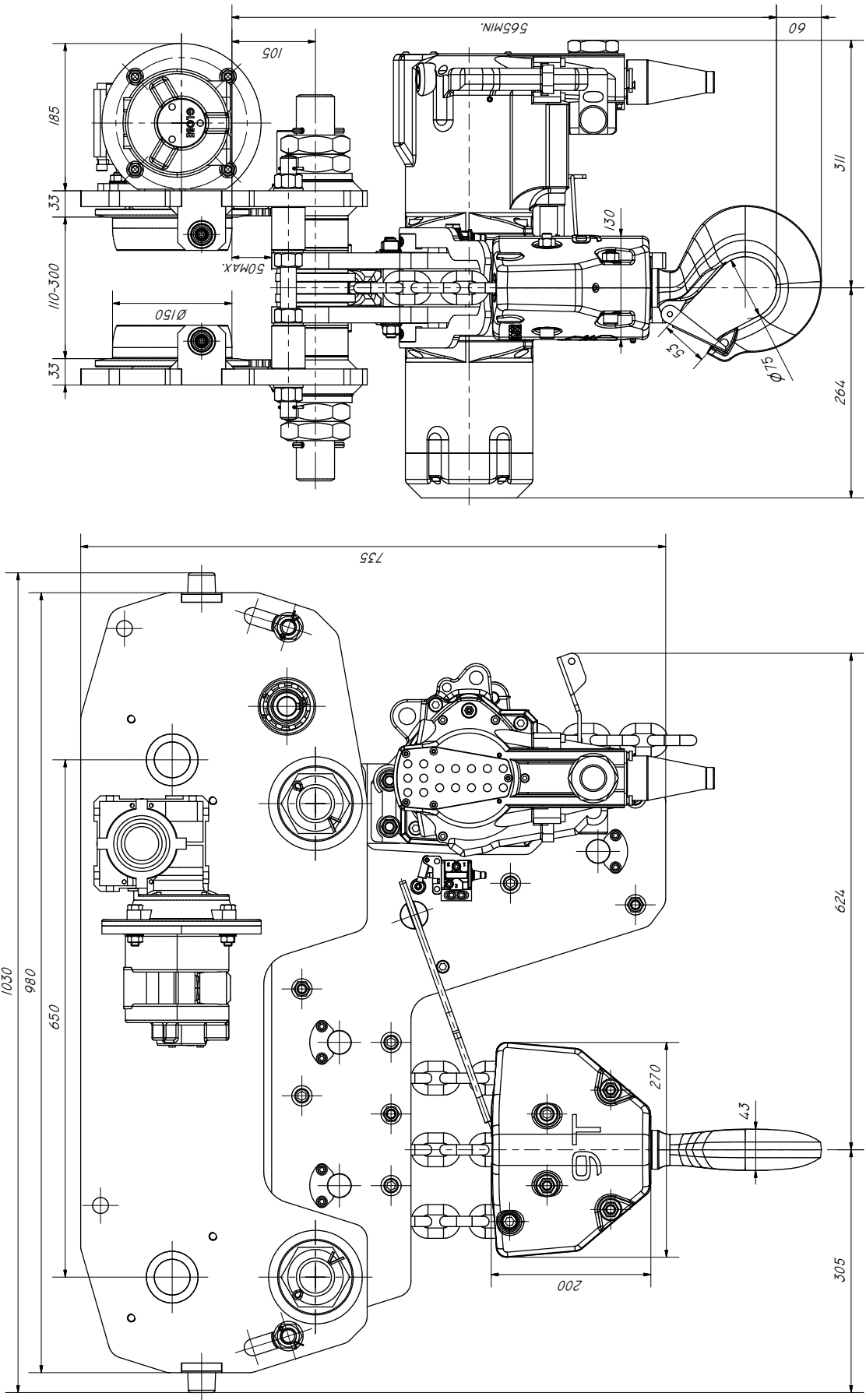


REVISION HISTORY		
REV.	DATE	APPROVED
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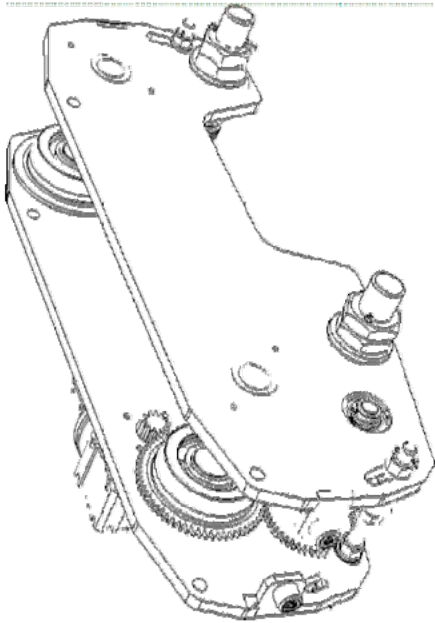
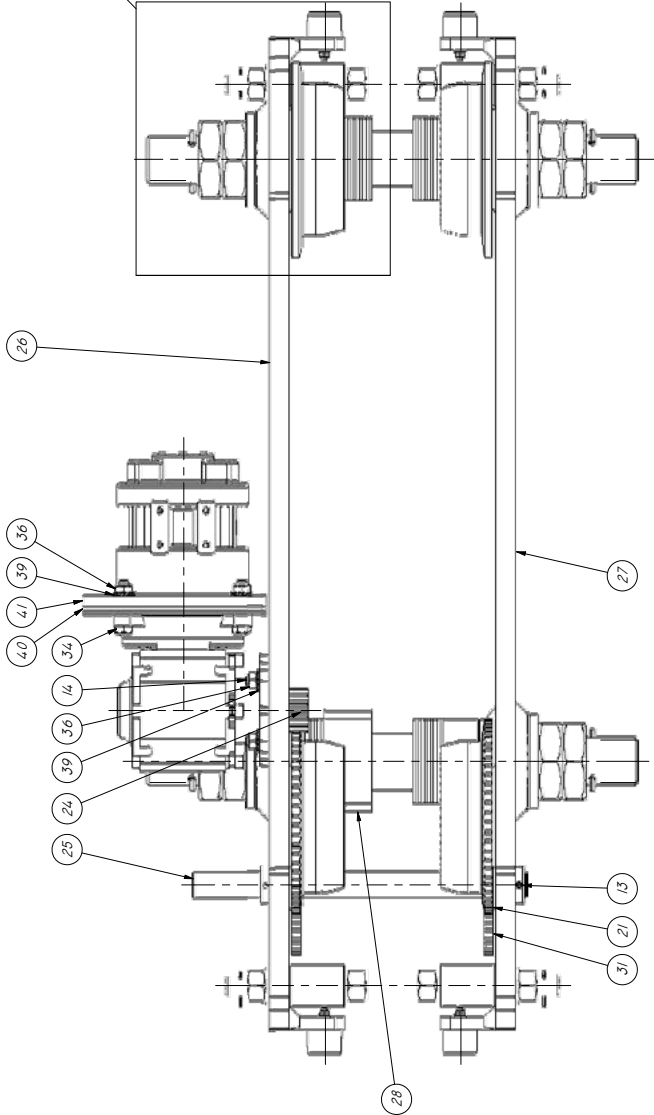
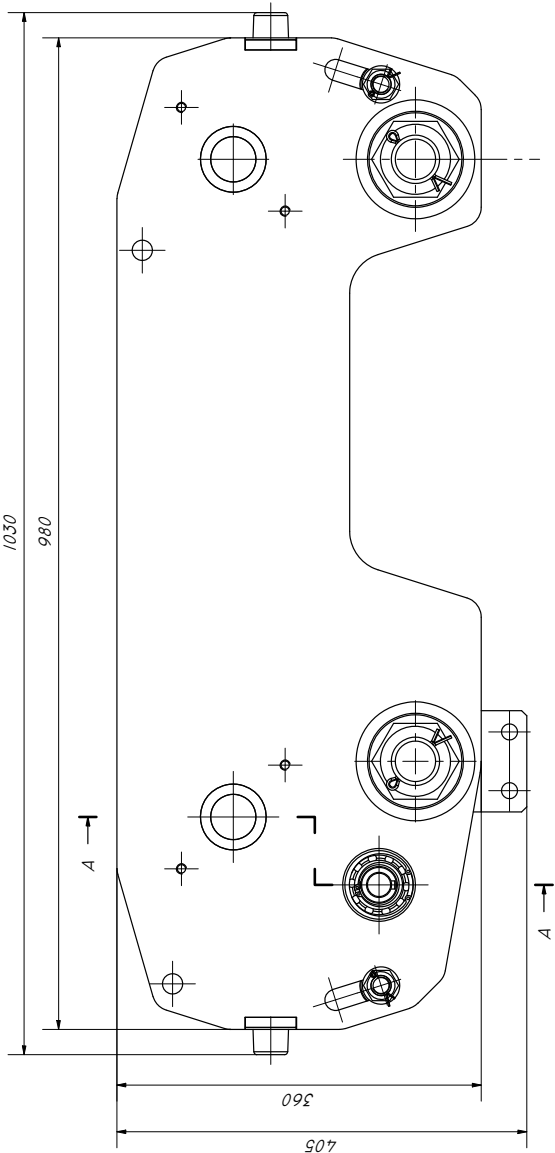
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NOT TO SCALE		SURNAME		DATE		DRG 1574-00	
DESIGNED BY		T. NIKOLAJEWSKI		08/03/2018		1 / 1	
DRAWN BY		T. NIKOLAJEWSKI		12/03/2018		DATE	
CHECKED BY		B. AITEN		0		REVISION WEIGHT	
APPROVED BY						0	
SHEET SIZE		A3		TITLE OF PROJECT		REPLACES DRAWING	
						-	
						PROFILE NUMBER	
						-	



TMH 9000 LHR

IF IN DOUBT ASK

REVISION HISTORY		
REV.	DATE	APPROVED
0	10/05/2018	W. MORRISON

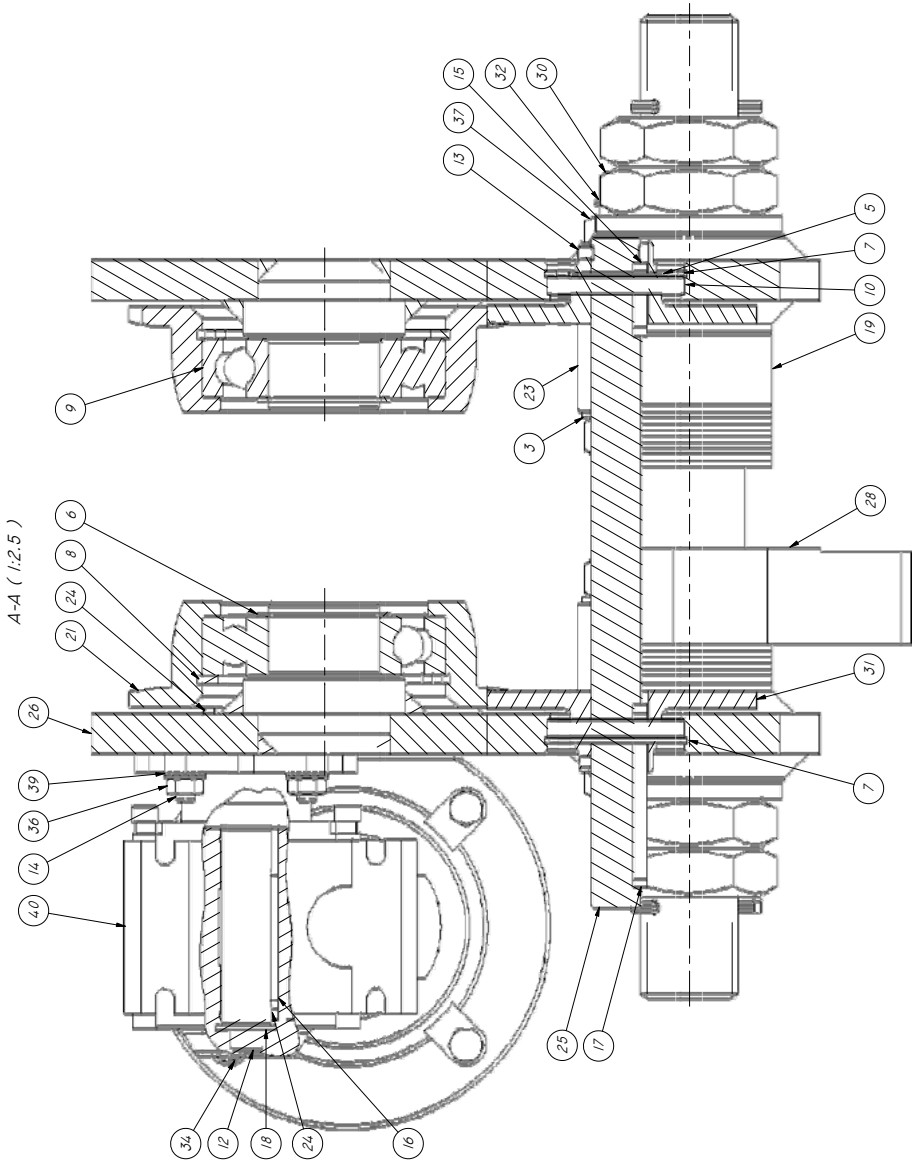


SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
1:5		SURNAME	DATE	TROLLEY		DRG 1575-01	
DESIGNED BY	T. PRODAJENSKI	07/03/2018					
DRAWN BY	E. CRECHTON	28/03/2018					
CHECKED BY							
APPROVED BY	B. AITKEN						
SHEET SIZE	A3	TITLE OF PROJECT		TMH 12000 LHR		PROFILE NUMBER	

TOLERANCES	
LINEAR	0.05
ANGULAR	0.5°
ALL DIMENSIONS ARE IN MILLIMETERS	

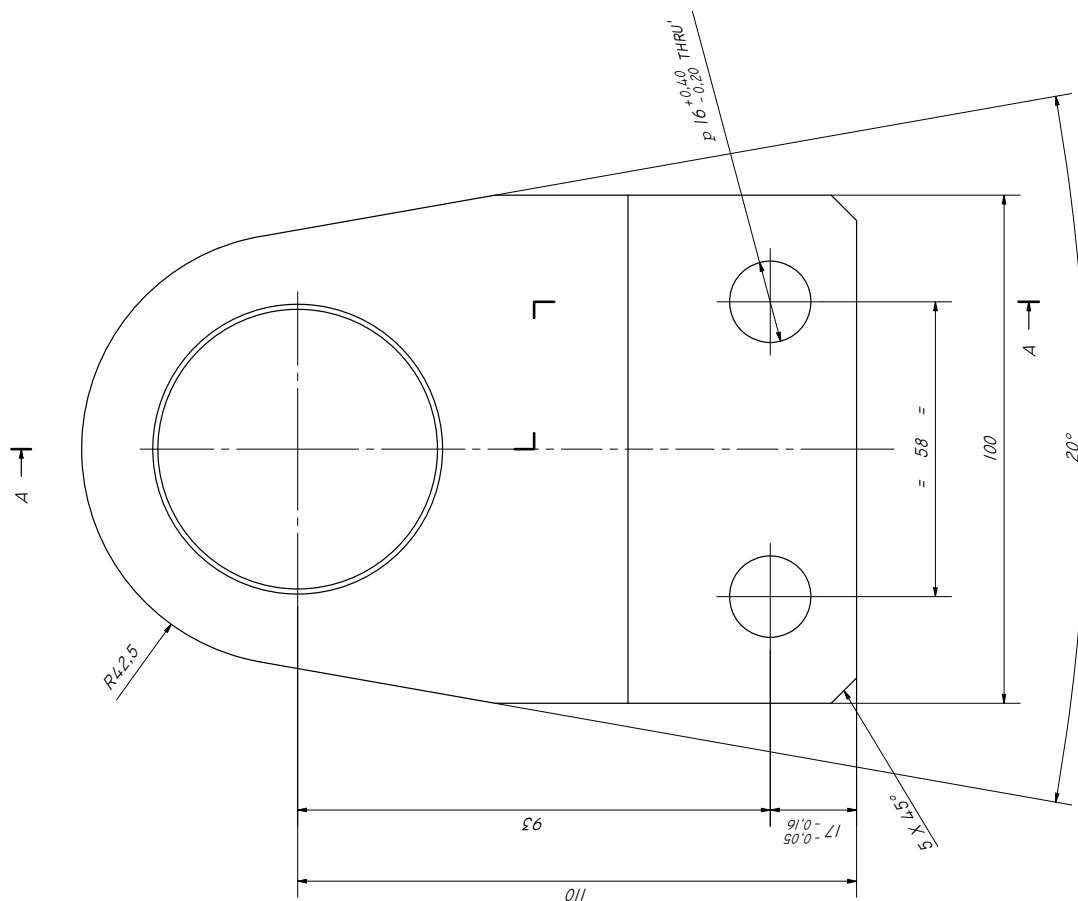
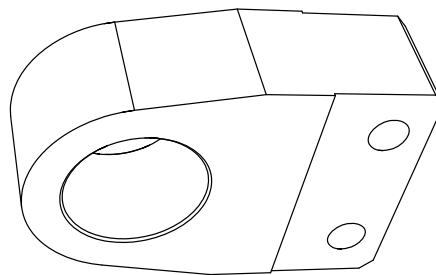
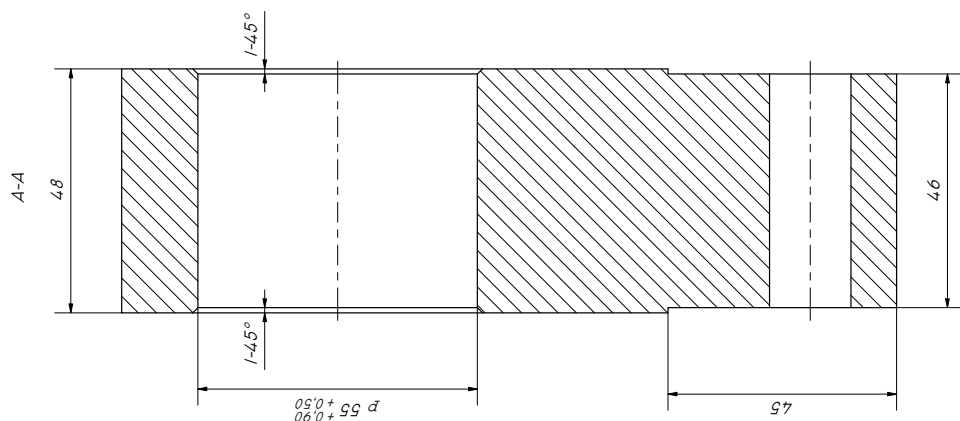
IF IN DOUBT ASK

PARTS LIST				REV.
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	1-8" BLACK RUBBER STOP	TR-BUFF	0
2	4	DIN 125 - A 6.4	WASHER	
3	8	DIN 125 - A 21	WASHER	
4	4	DIN 125 - A 50	WASHER	
5	2	DIN 4.71 - 40x1.75	RETAINING RINGS FOR SHAFT	0
6	4	DIN 4.71 - 55 x 2	SPRING RETAINING RING	
7	2	DIN 4.72 - 68 x 2.5	SPRING RETAINING RING	
8	4	DIN 4.72 - 120 x 4	SPRING RETAINING RING	
9	4	DIN 625 SKF - SKF 6311-2Z	DEEP GROOVE BALL BEARINGS SINGLE ROW WITH TWO Z SHIELDS SKF	0
10	2	DIN 625 SKF - SKF 16008	SINGLE ROW BALL BEARINGS SKF	
11	4	DIN 912 - M6 x 4.0	CYLINDER HEAD CAP SCREW	
12	1	DIN 912 - M10 x 30	CYLINDER HEAD CAP SCREW	
13	1	DIN 913 - M6 x 8	HEXAGON SOCKET SET SCREW	0
14	4	DIN 913 - M10 x 4.0	HEXAGON SOCKET SET SCREW	
15	1	DIN 6885 - A 8 x 7 x 36	PARALLEL KEY	
16	1	DIN 6885 - A 8 x 7 x 70	PARALLEL KEY	
17	1	DIN 6885 - A 8 x 7 x 90	PARALLEL KEY	0
18	1	DIN 9021 - 10.5	WASHER	
19	3	DRG 1503-09	SPACER WASHER	
20	36	DRG 1503-10	GEAR WHEEL	0
21	2	DRG 1503-12	PLAIN TIE ROD	
22	4	DRG 1503-14	PLAIN TIE ROD	
23	4	DRG 1503-16	PLAIN TIE ROD	
24	4	DRG 1503-25	PINION SHAFT (FOR GEARBOX NORD SKIS50 30.1)	0
25	1	DRG 1522-15	TRANSFER SHAFT	
26	1	DRG 1522-15	MOTOR PLATE	
27	1	DRG 1525-03	LOAD BAR	
28	1	DRG 1525-12	LOAD BAR	0
29	2	DRG 1525-14	LOAD BAR	
30	2	DRG 1525-15	TIE ROD	
31	2	DRG 1525-18	TRANSFER GEARWHEEL	
32	4	ISO 1234 - 3.2 x 28	SPLIT PIN	0
33	4	ISO 1234 - 6.3 x 63	SPLIT PIN	
34	4	ISO 1234 - M10 x 4.5	DRIBAL Z (BREM SVELCON/TINYM	
35	4	ISO 4032 - M6	HEX NUT	
36	8	ISO 4032 - M10	HEX NUT	0
37	8	ISO 4032 - M20	HEX NUT	
38	8	NL10SP	M10 NORD LOCK WASHER LARGE DIAMETER GLUED PAIR	
39	8	ISO 4035 - M6.8	NORD GEARBOX	
40	1	SKIS150-4FH-IEC-80-2G (RATIO 30:1) R	AIR MOTOR	0
41	1	VS6C		



SCALE		MATERIAL		TITLE OF PART		TROLLEY		DATE		PART NUMBER	
1:2.5								28/03/2018		DRG 1575-01	
DESIGNED BY		SURNAME		DATE		SIGNATURE		REVISION		UNLESS OTHERWISE SPECIFIED	
DRAWN BY		T. MIKOLAJEWSKI		28/03/2018				0		ALL DIMENSIONS ARE IN MILLIMETERS	
CHECKED BY		E. CRICHTON						167.4 KG		TOLERANCES	
APPROVED BY		B. AITKEN						REPLACES DRAWING		ASYM. DIM. ± 0.1	
SHEET SIZE		TITLE OF PROJECT						REPLACES DRAWING		HOLE DIA. ± 0.1	
A3		TMH 12000 LHR						REPLACES DRAWING		HOLE DIA. UP TO 100 ± 0.2	
								REPLACES DRAWING		HOLE DIA. OVER 100 ± 0.3	
								REPLACES DRAWING		HOLE DIA. OVER 100 ± 0.5	
								REPLACES DRAWING		ANGULAR ± 0.5°	
								REPLACES DRAWING		SURFACE ROUGHNESS	
								REPLACES DRAWING		IF IN DOUBT ASK	

REVISION HISTORY		
REV.	DATE	APPROVED
0	10/05/2018	W. MORRISON

[illegible]

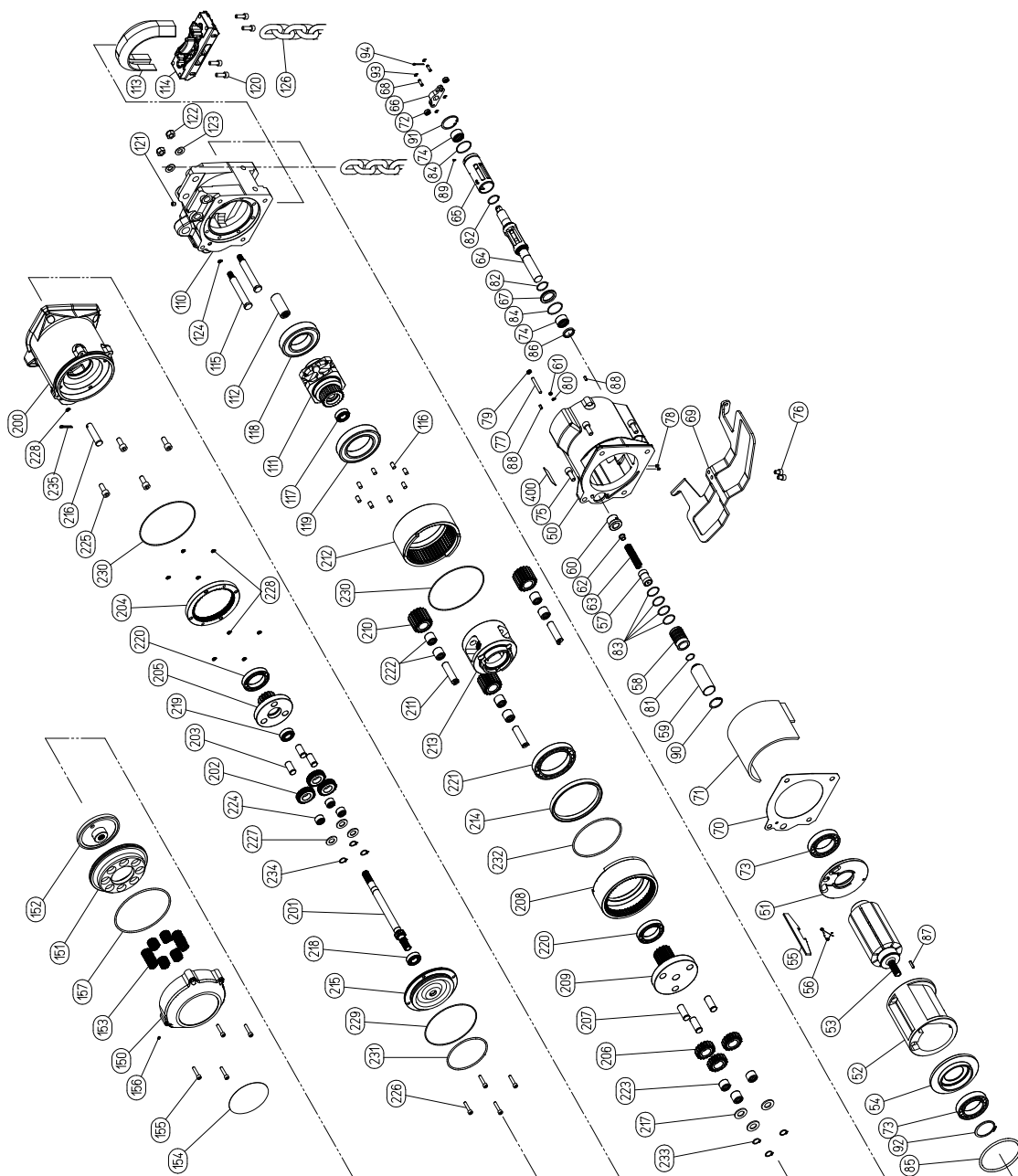
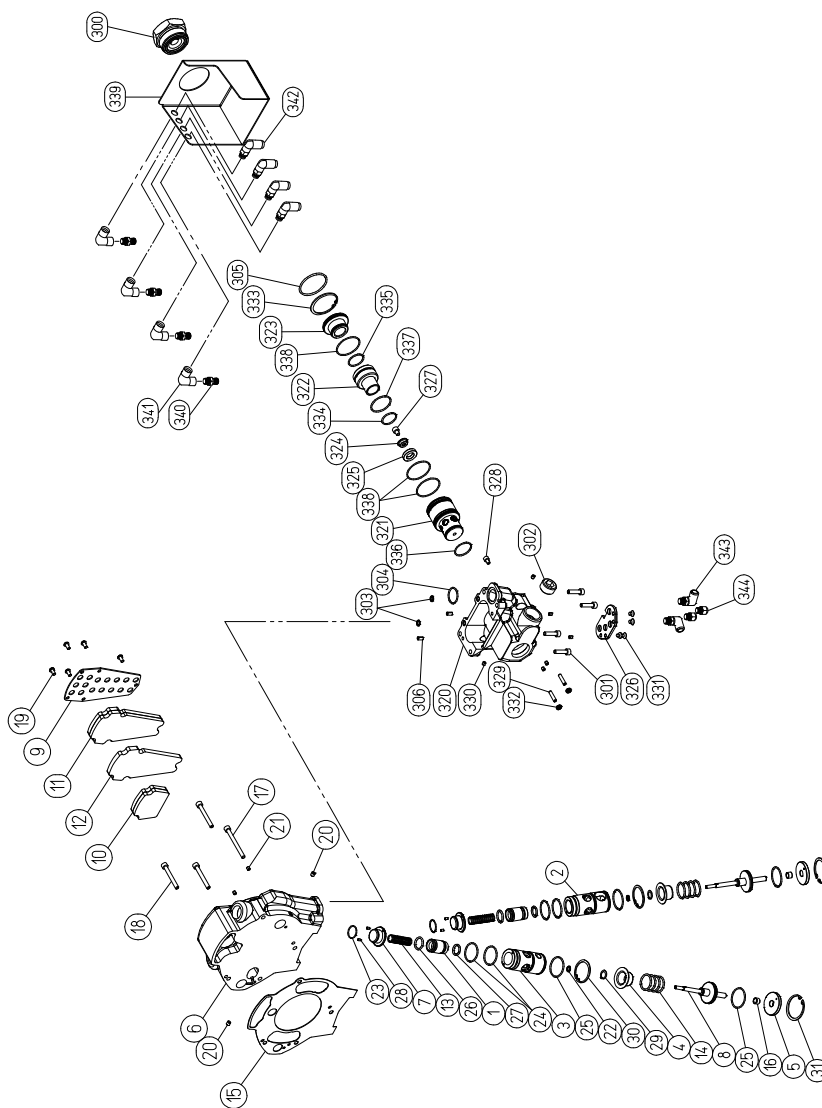


Fig. No.	Part Number	Part Name	Parts Per Hoist
050	425806790	MOTOR CASE	1
051	425806180	REAR PLATE	1
052	425806160	CYLINDER	1
053	425806150	ROTOR	1
054	425806170	FRONT PLATE	1
055	137102033	VANE	8
056	130802235	LIFT SPRING	8
057	425806J40	LIMIT SPOOL	1
058	425806J30	LIMIT SPOOL BUSHING	1
059	425806J50	LIMIT RETAINER F	1
060	425806J60	LIMIT RETAINER B	1
061	425806J70	LIMIT PLUG	1
062	426301Z50	SPRING SEAT	1
063	130802226	SPRING 13X67X2	1
064	425806460	LIMIT SHAFT	1
065	425806A40	LIMIT SHAFT BUSHING	1
066	425806140	LIMIT LEVER	1
067	425806J90	LIMIT WASHER	1
068	425806120	ROLLER SHAFT	2
069		CHAIN LEVER	1
070	136102172	MOTOR GASKET	1
071	425806K0B	SILENCER M CP	1
072	130103005	BEARING 605ZZ	2
073	130104011	BEARING 6010	2
074	130132116	NEEDLE BEARING TA2215Z	2
075	131710025	HEX SOCKET HEAD CAP SCREW M10X25	4
076	131708012	HEX SOCKET HEAD CAP SCREW M8X12	2
077	132306050	HEX SOCKET SET SCREW M6X50	1
078	132105005	HEX SOCKET SET SCREW M5X5	2
079	134403106	HEX NUT M6	1
080	131103003	O-RING S-5	1
081	131103016	O-RING S-20	1
082	131103021	O-RING S-26	2
083	131103022	O-RING S-28	4
084	131103029	O-RING S-36	2
085	131101068	O-RING P-100	1
086	131246003	DUST SEAL OS22294	1
087	130605020	SPRING PIN 5X20	1
088	130605010	SPRING PIN 5X10	2
089	130603005	SPRING PIN 3X5	1
090	130301032	RETAINING RING H-32	1
091	130301040	RETAINING RING H-40	1
092	130302050	RETAINING RING S-50	1
093	130303004	RETAINING RING E-4	4
094	130702125	SPLIT PIN 2.5X25	1
110	425806A00	CENTRE HOUSING	1
111	425806A50	LOAD SHEAVE	1
112	425806200	COUPLING	1
113	425806350	CHAIN GUIDE	1
114	425806360	CHAIN SEPARATOR	1
115	425806220	HANGER PIN	2

Fig. No.	Part Number	Part Name	Parts Per Hoist
116	426325340	DOWEL PIN	8
117	130104004	BEARING 6003	1
118	130109012	BEARING 6211ZZ	1
119	130109015	BEARING 6014ZZ	1
120	131708025	HEX SOCKET HEAD CAP SCREW M8X25	4
121	132108008	HEX SOCKET SET SCREW M8X8	1
122	134501012	U NUT M12	2
123	131307012	WASHER M12	2
124	131103005	O-RING S-7	1
126	AHC13/RT/RUD	LINK CHAIN 13mm	HOL
150	425806410	BRAKE COVER	1
151	425806400	BRAKE PISTON	1
152	425806430	BRAKE DISK	1
153	130802229	SPRING 20.5X21.9X2.9	8
154		NAME PLATE	1
155	131706040	HEX SOCKET HEAD CAP SCREW M6X40	4
156	132105005	HEX SOCKET SET SCREW M5X5	1
157	131117255	O-RING AS568-255	1
200	425806310	GEAR CASE	1
201	425806A60	FIRST PINION	1
202	425806A70	FIRST STAR GEAR	3
203	425806A80	FIRST PIN	3
204	425806E10	FIRST RING GEAR	1
205	425806E20	SECOND PINION	1
206	425806E30	SECOND STAR GEAR	3
207	425806E40	SECOND PIN	3
208	425806E50	SECOND RING GEAR	1
209	425806K20	THIRD PINION	1
210	425806K30	THIRD STAR GEAR	3
211	425806K40	THIRD PIN	3
212	425806K50	THIRD RING GEAR	1
213	425806240	CAGE	1
214	425806230	SPACER	1
215	425806900	BRAKE PLATE	1
216	425806K60	CHAIN SET PIN	1
217	425806K70	SECOND THRUST WASHER	3
218	130106004	BEARING 6003ZZ	1
219	130104004	BEARING 6003	1
220	130113009	BEARING 6909	2
221	130113016	BEARING 6916	1
222	130131621	NEEDLE BEARING TA1620Z	6
223	130131617	NEEDLE BEARING TA1616Z	3
224	130131513	NEEDLE BEARING TA1512Z	3
225	131710025	HEX SOCKET HEAD CAP SCREW M10X25	4
226	131706030	HEX SOCKET HEAD CAP SCREW M6X30	4
227	131307014	WASHER M14	3
228	131103005	O-RING S-7	9
229	131103063	O-RING S-135	1
230	131103065	O-RING S-145	2
231	131117242	O-RING AS568-242	1
232	131117249	O-RING AS568-249	1

Hoist Body - TMH-9000/3-LHR

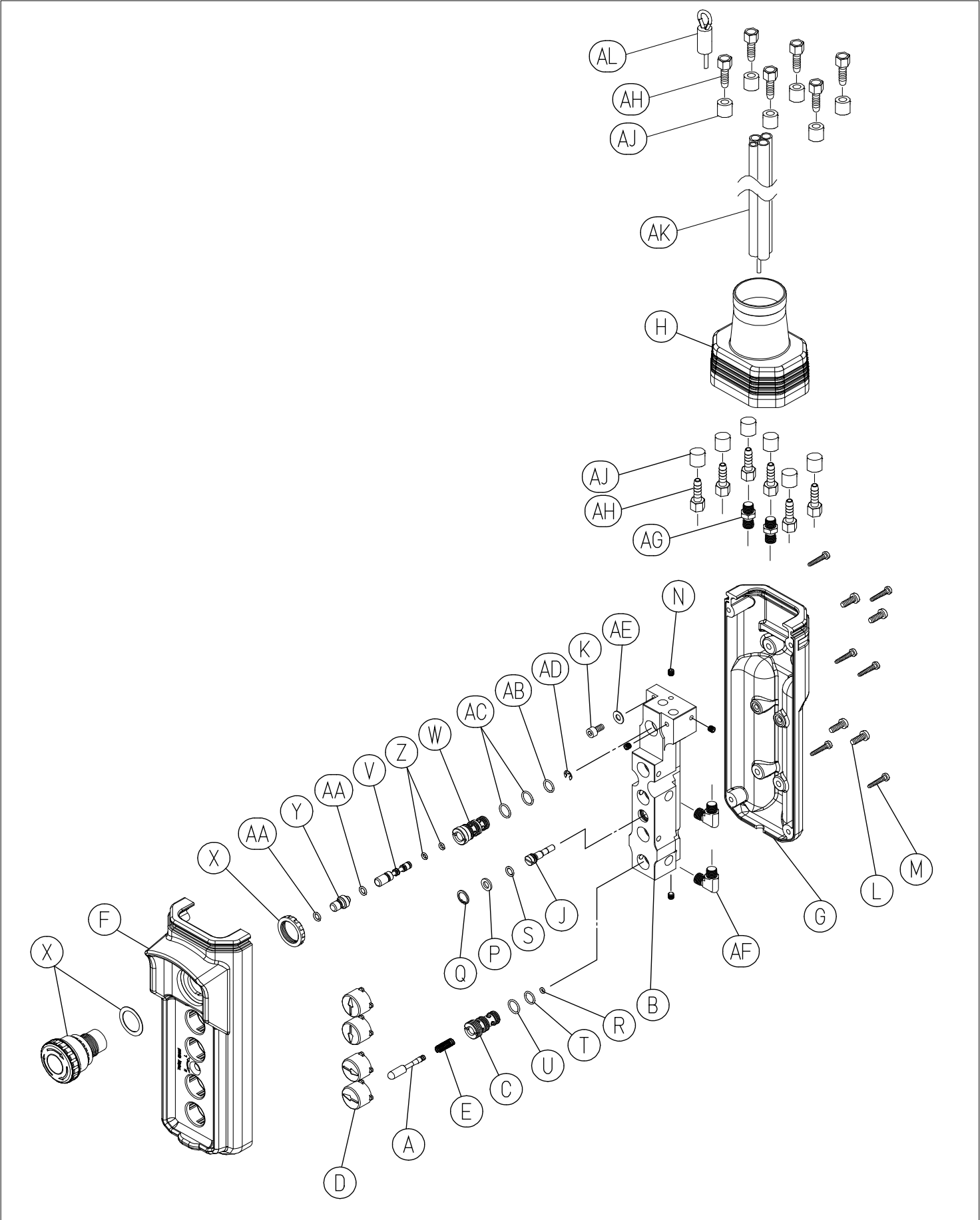
Fig. No.	Part Number	Part Name	Parts Per Hoist
233	130302016	RETAINING RING S-16	3
234	130302015	RETAINING RING S-15	3
235	130704025	SPLIT PIN 4X25	1



Pendant Body - TMH-9000/3-LHR

Fig. No.	Part Number	Part Name	Parts Per Hoist
001	425806J80	THROTTLE VALVE	2
002	425806E90	VALVE BUSHING (U)	1
003	425806F00	VALVE BUSHING (D)	1
004	425806C70	SPRING SEAT	2
005	425806A20	VALVE CAP	2
006	425806060	VALVE BODY	1
007	425806A30	BUSH CAP	2
008	425806C60	PISTON	2
009	425806810	EXHAUST PLATE	1
010	137402055	SILENCER (SS)	2
011	137402056	SILENCER (SL)	2
012	137402057	SILENCER (F)	1
013	130802227	SPRING 11.4X46X1.4	2
014	130802228	SPRING 26X32.3X2.6	2
015	136102171	VALVE GASKET	1
016	130216001	BEARING K5B0807	2
017	131706065	HEX SOCKET HEAD CAP SCREW M6X65	1
018	131706050	HEX SOCKET HEAD CAP SCREW M6X50	3
019	131905010	HEX SOCKET BUTTON SCREW M5X10	5
020	132106006	HEX SOCKET SET SCREW M6X6	2
021	132105005	HEX SOCKET SET SCREW M5X5	2
022	131103005	O-RING S-7	2
023	131103016	O-RING S-20	2
024	131103024	O-RING S-30	4
025	131103026	O-RING S-32	4
026	131117115	O-RING AS568-115	2
027	131118113	O-RING AS568-113 (HS90)	2
028	130603005	SPRING PIN 3X5	4
029	130302012	RETAINING RING S-12	2
030	130301036	RETAINING RING H-36	2
031	130301040	RETAINING RING H-40	2
300	425806G6B	INLET BUSHING CP	1
301	131706025	HEX SOCKET HEAD CAP SCREW M6X25	4
302	134902011	HEX SOCKET HEAD PLUG PT3/4	1
303	131103005	O-RING S-7	2
304	131103020	O-RING S-25	1
305	131117134	O-RING AS568-134	1
306	130605010	SPRING PIN 5X10	2
320	425806470	UNDER COVER	1
321	425806G70	MAIN CUT BUSHING	1
322	425806G80	MAIN CUT VALVE	1
323	425806G90	MAIN CUT CAP	1
324	425806H00	MAIN CUT HOLDER	1
325	136102173	MAIN CUT SEAT	1
326	137402060	PILOT SILENCER	1
327	131706308	HEX SOCKET HEAD CAP SCREW M6X8	1
328	131705008	HEX SOCKET HEAD CAP SCREW M5X8	1
329	132105022	HEX SOCKET SET SCREW M5X22	2
330	132105005	HEX SOCKET SET SCREW M5X5	6
331	132905206	CROSS-RECESSED HEAD SCREW M5X6	4
332	134403205	HEX NUT M5	2
333	130301047	RETAINING RING H-47	1

Fig. No.	Part Number	Part Name	Parts Per Hoist
334	131103020	O-RING S-25	1
335	131103021	O-RING S-26	1
336	131103023	O-RING S-29	1
337	131103028	O-RING S-35	1
338	131117030	O-RING AS568-030	3



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