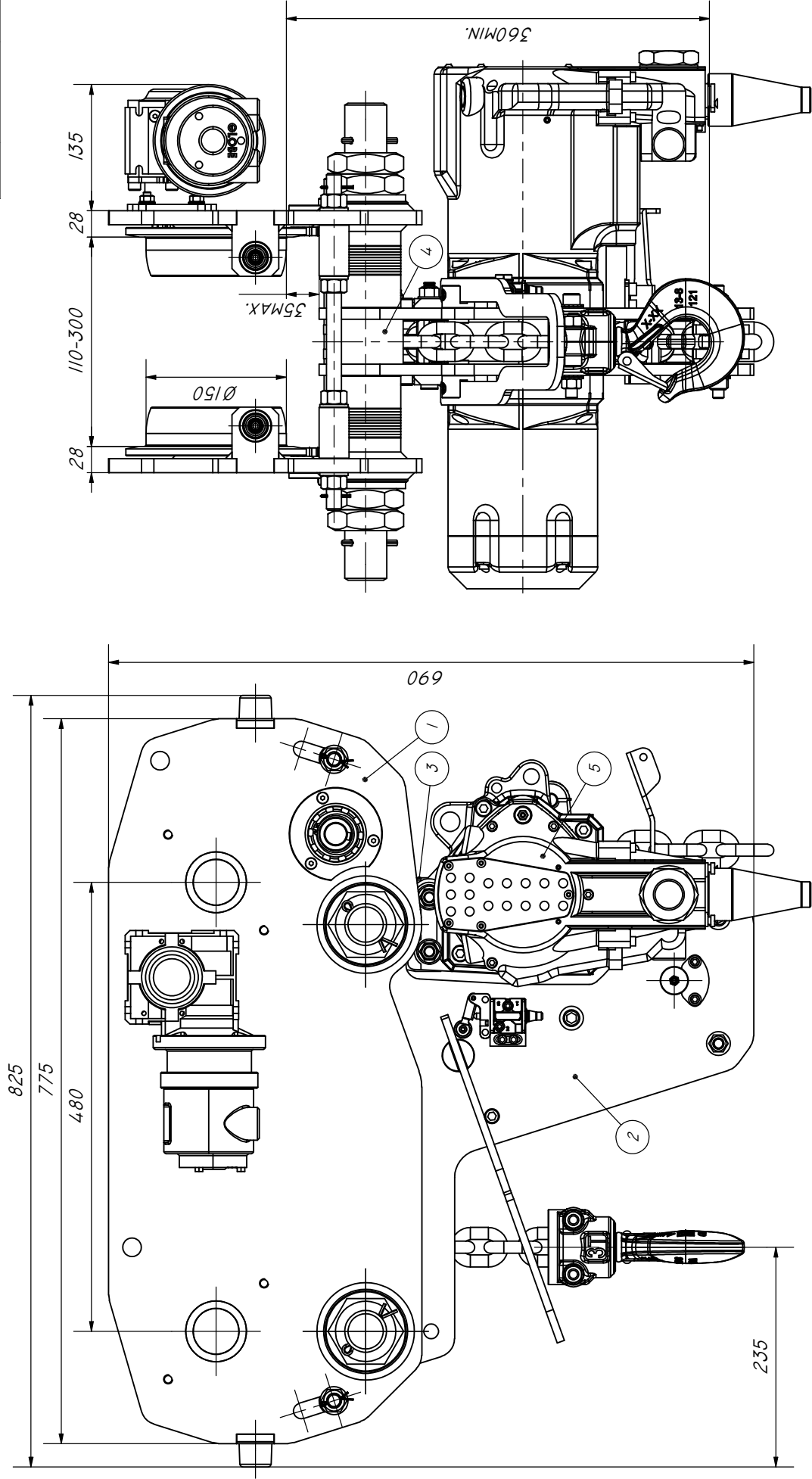


REVISION HISTORY		
REV.	DATE	APPROVED
1	19/06/2019	W. MORRISON



SCALE		MATERIAL		TITLE OF PART		GENERAL ASSEMBLY		PART NUMBER	
1:5		T. MIKOLAJEWSKI		20/02/2018		27/02/2018		DRG 1572-00	
DESIGNED BY		T. MIKOLAJEWSKI		20/02/2018		27/02/2018		1 / 1	
DRAWN BY		T. MIKOLAJEWSKI		27/02/2018		27/02/2018		1 / 1	
CHECKED BY		B. AITKEN							
APPROVED BY									
SHEET SIZE		A4		TITLE OF PROJECT		TMH 3000 LHR			
REV.		REV.		REV.		REV.		REV.	
1		1		1		1		1	
2		2		2		2		2	
3		3		3		3		3	
4		4		4		4		4	
5		5		5		5		5	

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	DRG 1572-01	TROLLEY	0
2	1	DRG 1572-02	FRAME	1
3	1	DRG 1572-21	LOAD PLATE	0
4	1	DRG 1572-22	SPACER	0
5	1	TMH 3000	AIR HOIST	0



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 LIFTING EQUIPMENT
 OLIVEHOLM, ABERDEENSHIRE, AB11 2EZ
 TEL: 01463 872700
 FAX: 01463 872701
 WWW.REDOOSTERLIFTING.CO.UK



TITLE OF PROJECT
 TMH 3000 LHR

SHEET SIZE
 A4

REV.

REV.

REV.

REV.

REV.

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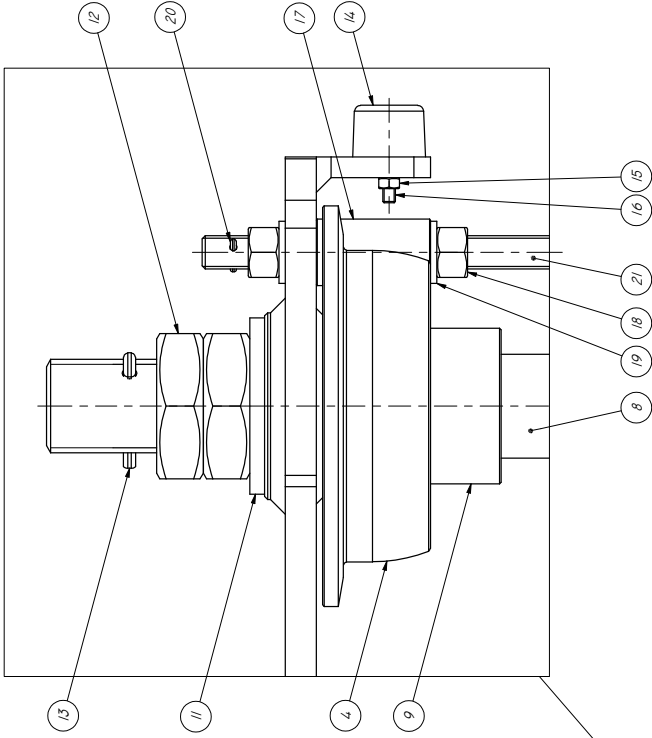
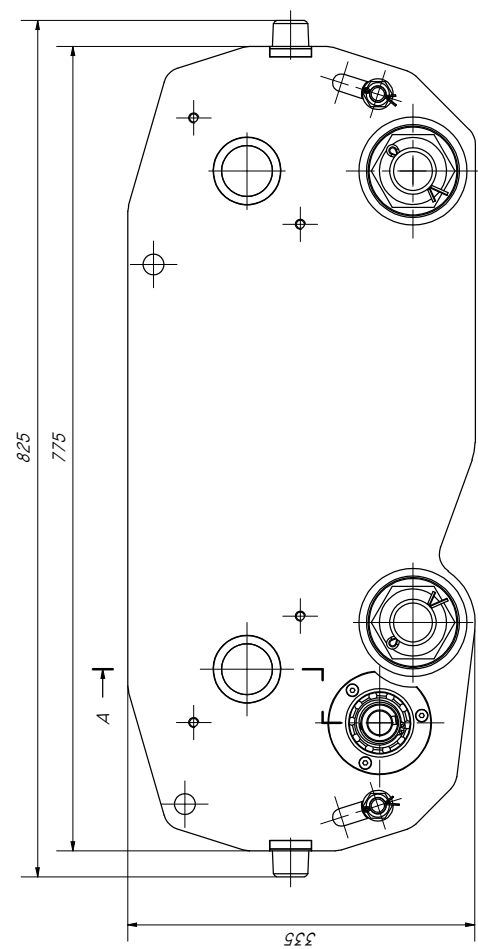
REV.

REV.

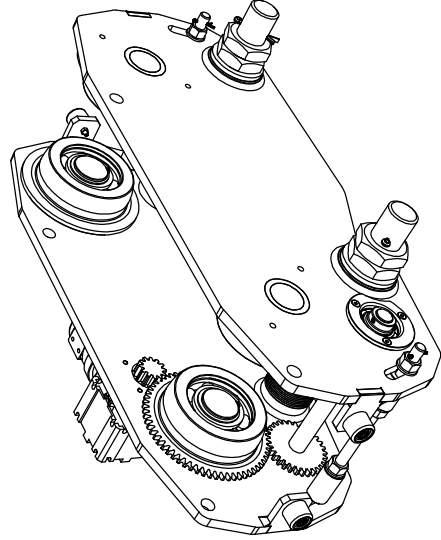
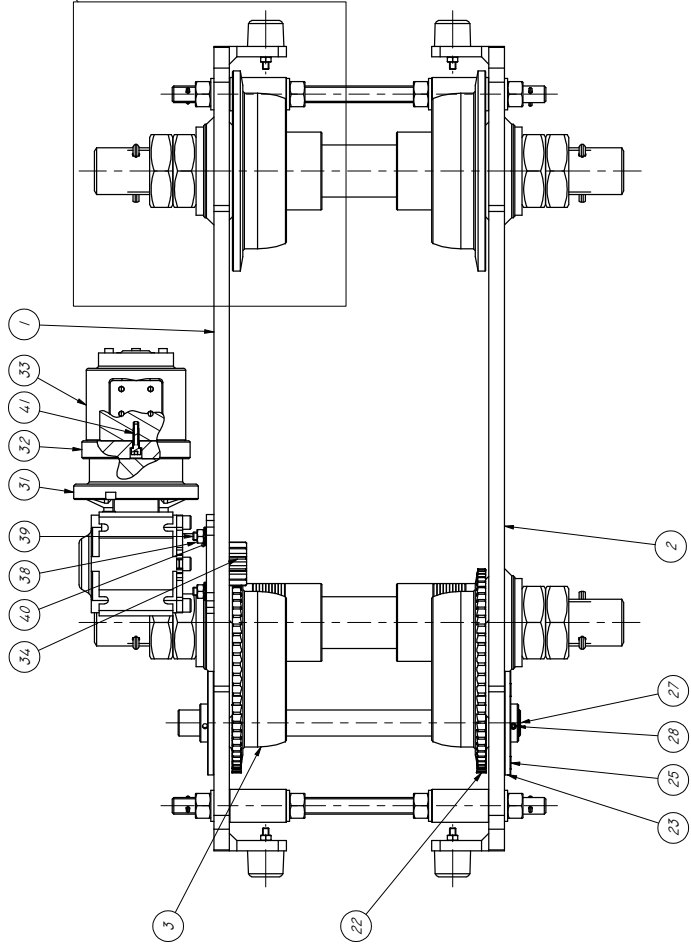
REV.

REV.

REVISION HISTORY		
REV.	DATE	APPROVED
0	28/03/2018	W. MORRISON

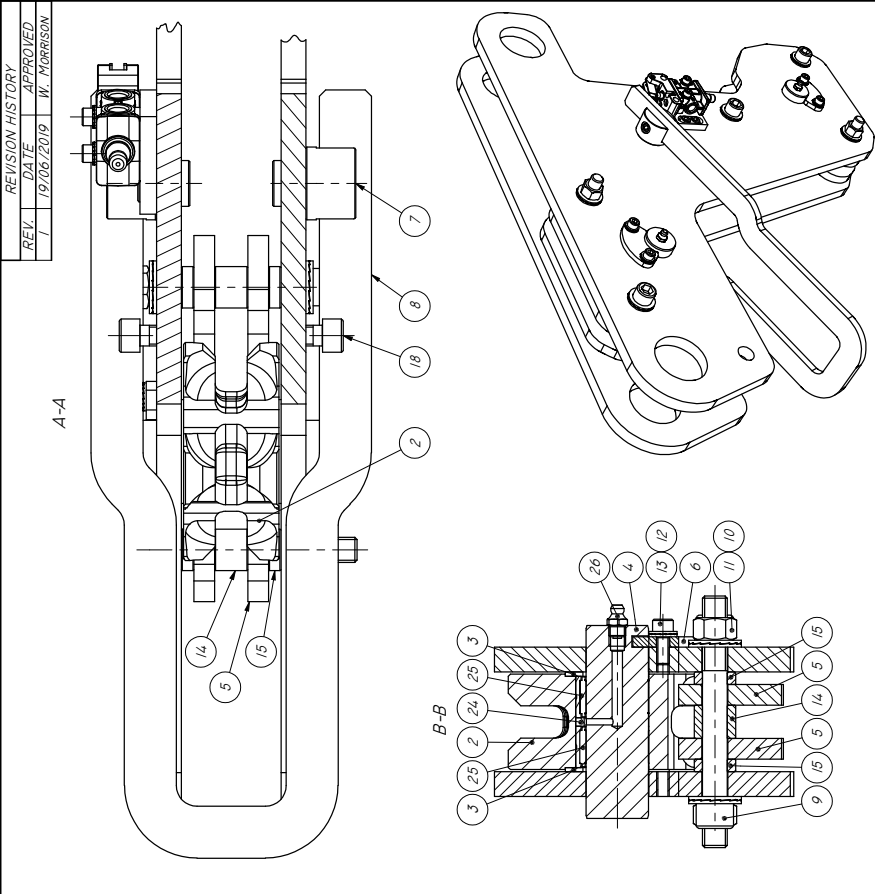
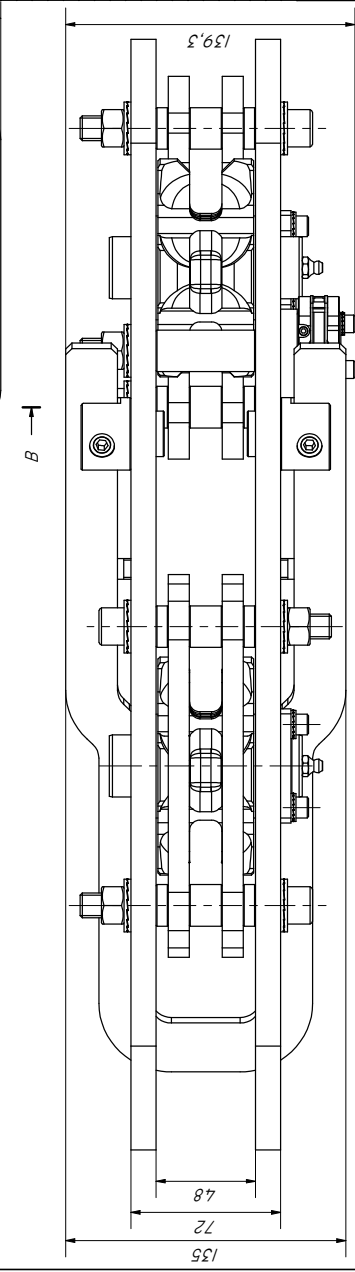
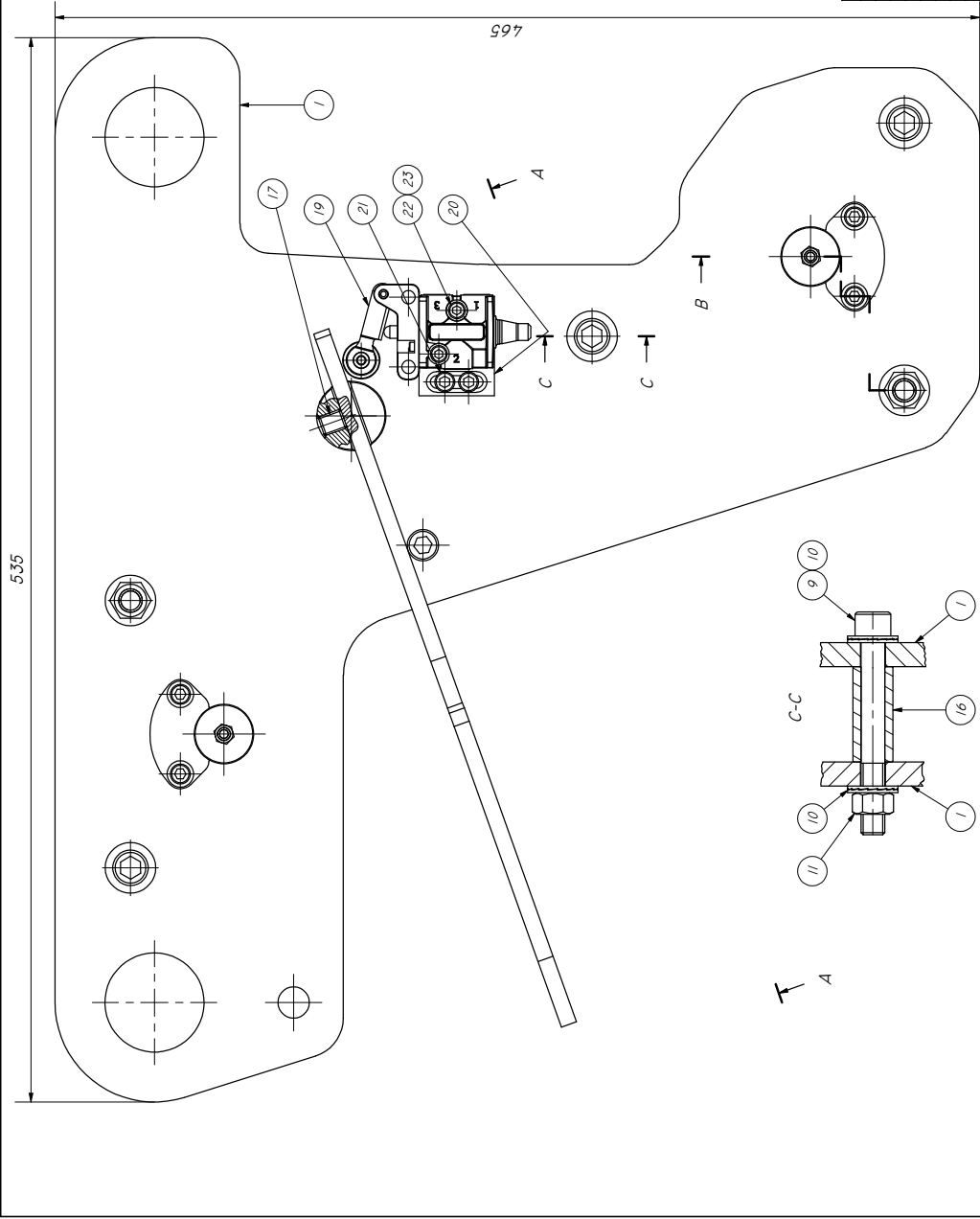


A —



SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
1:5				TROLLEY		DRG 1572-01 1 / 2	
DESIGNED BY		DATE		DATE		ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED	
DRAWN BY		20/02/2018		22/02/2018		TOLERANCE LINEAR UP TO 5 ±0.05 OVER 5 UP TO 10 ±0.1 OVER 10 UP TO 20 ±0.2 OVER 20 UP TO 50 ±0.3 OVER 50 UP TO 100 ±0.5 OVER 100 ±1	
CHECKED BY		20/02/2018		1		N/A	
APPROVED BY		20/02/2018		REPLACES DRAWING			
SHEET SIZE		TITLE OF PROJECT		PROFILE NUMBER		ANGULAR ± 0.5° SURFACE ROUGHNESS $\sqrt{R}$ IF IN DOUBT ASK	
A3				TMH 3000 LHR			
							
				MACHINERY, ACCESSORIES AND RIGS TEL: 01474 811111 MAIL: FAX: 01474 811111 WWW.ASAPROFILING.CO.UK			

REVISION HISTORY		
REV.	DATE	APPROVED
1	19/06/2019	W. MORRISON



ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	2	DRG 1572-07	FRAME PLATE	1
2	2	TMH 3000 SR-01	ROCKER WHEEL (13x36 CHAIN) - INNER BEARING	1
3	4	TMH 3000 SR-01	SPACER WHEEL (13x36 CHAIN) - OUTER BEARING	1
4	2	DRG 1572-06	WHEEL SHIRT	0
5	4	DRG 1572-09	CHAIN GUIDE	0
6	2	DRG 1572-10	ANTIROTATION PLATE	0
7	2	DRG 1572-17	PUSHER STUB AXLE	0
8	1	DRG 1572-08	PUSHER PLATE	0
9	5	ISO 4762 - M12 x 100	HEXAGON SOCKET HEAD CAP SCREW	1
10	10	NL 12SP	HEX NUT	0
11	5	ISO 4032 - M12	M12 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR	0
12	4	ISO 4762 - M6 x 16	M6 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR	0
13	4	DRG 1572-18	HEXAGON SOCKET HEAD CAP SCREW	0
14	4	DRG 1572-19	CHAIN GUIDE SPACER	0
15	8	DRG 1572-20	LINK	0
16	1	DRG 1572-20	HEXAGON SOCKET SET SCREW	0
17	2	DIN 913 - M10 x 12	HEXAGON SOCKET HEAD CAP SCREW	0
18	2	ISO 4762 - M10 x 20	LIMIT SWITCH	0
19	1	0302-9302	MOUNTING PLATE FOR LIMIT SWITCH	0
20	1	DRG 1525-20	CYLINDER HEAD CAP SCREW	0
21	2	DIN 912 - M6 x 12	CYLINDER HEAD CAP SCREW	0
22	2	DIN 912 - M5 x 30	M5 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR	0
23	2	NL 5SP	BEARING SPACER	0
24	2	TMH 3000 SR-01	NEEDLE ROLLER BEARING	0
25	4	NK30-20-TV-XL	LUBRICATING NIPPLE, CONED TYPE A	0
26	2	DIN 71612 - AM8 x 1 CONED SHORT		0

FRAME			PART NUMBER		
SCALE	1:2.5	TITLE OF PART	DRG 1572-02	DATE	22/02/2018
DESIGNED BY	T. MROGALSKI	20/02/2018	REVISION WEIGHT	1	31.0 KG
DRAWN BY	E. CRICHTON	22/02/2018	REPLACES DRAWING		
CHECKED BY	B. ATTEN		PROFILE NUMBER		
APPROVED BY					
SHEET SIZE	A3	TITLE OF PROJECT	TMH 3000 LHR		

UNLESS STATED OTHERWISE
ALL DIMENSIONS ARE IN MILLIMETERS

TOLERANCES

LINEAR

UP TO 30 ±0.1

OVER 30 TO 100 ±0.2

OVER 100 TO 150 ±0.3

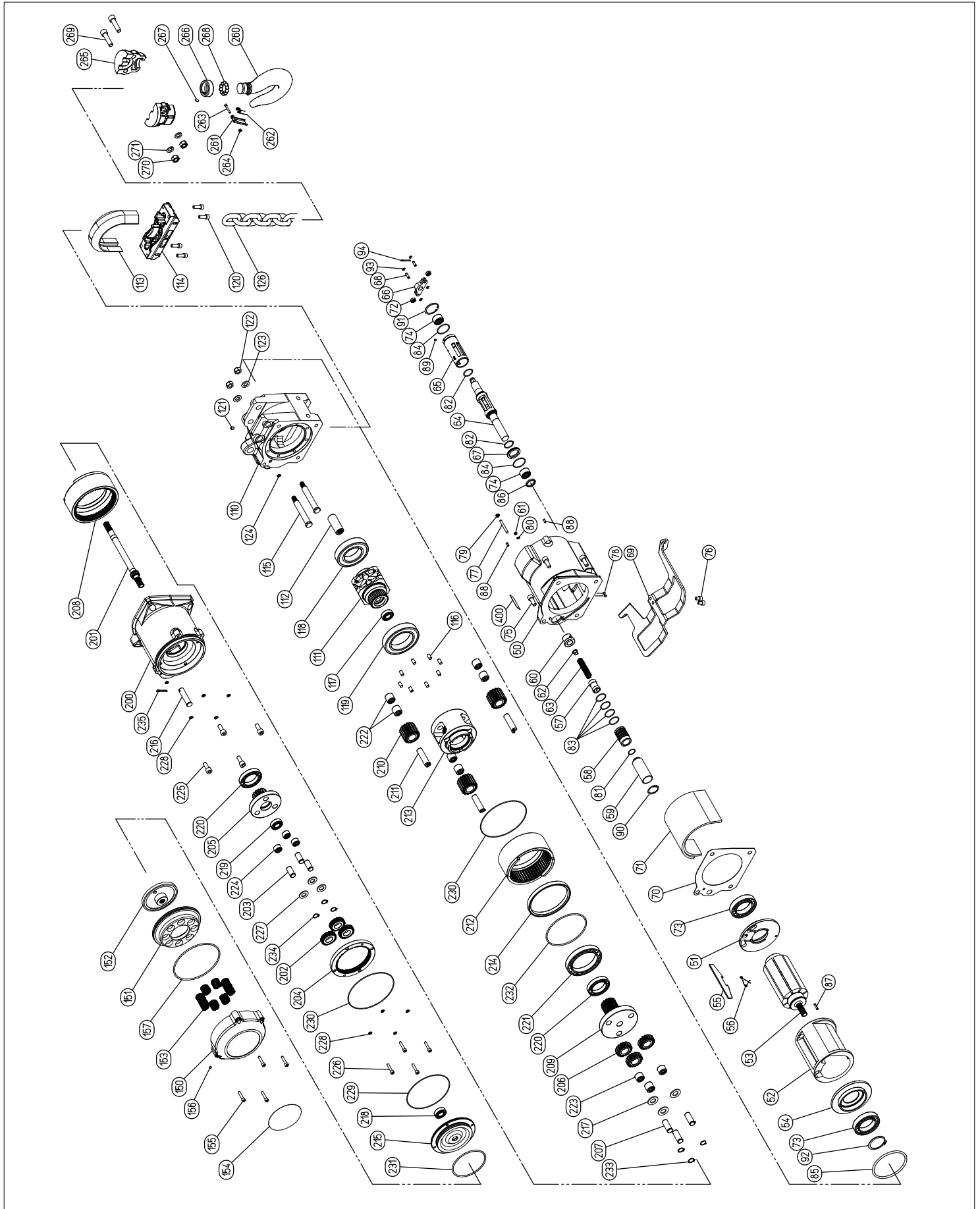
OVER 150 TO 300 ±0.5

OVER 300 TO 1000 ±1

ANGULAR ±0.5°

SURFACE ROUGHNESS

IF IN DOUBT, ASK



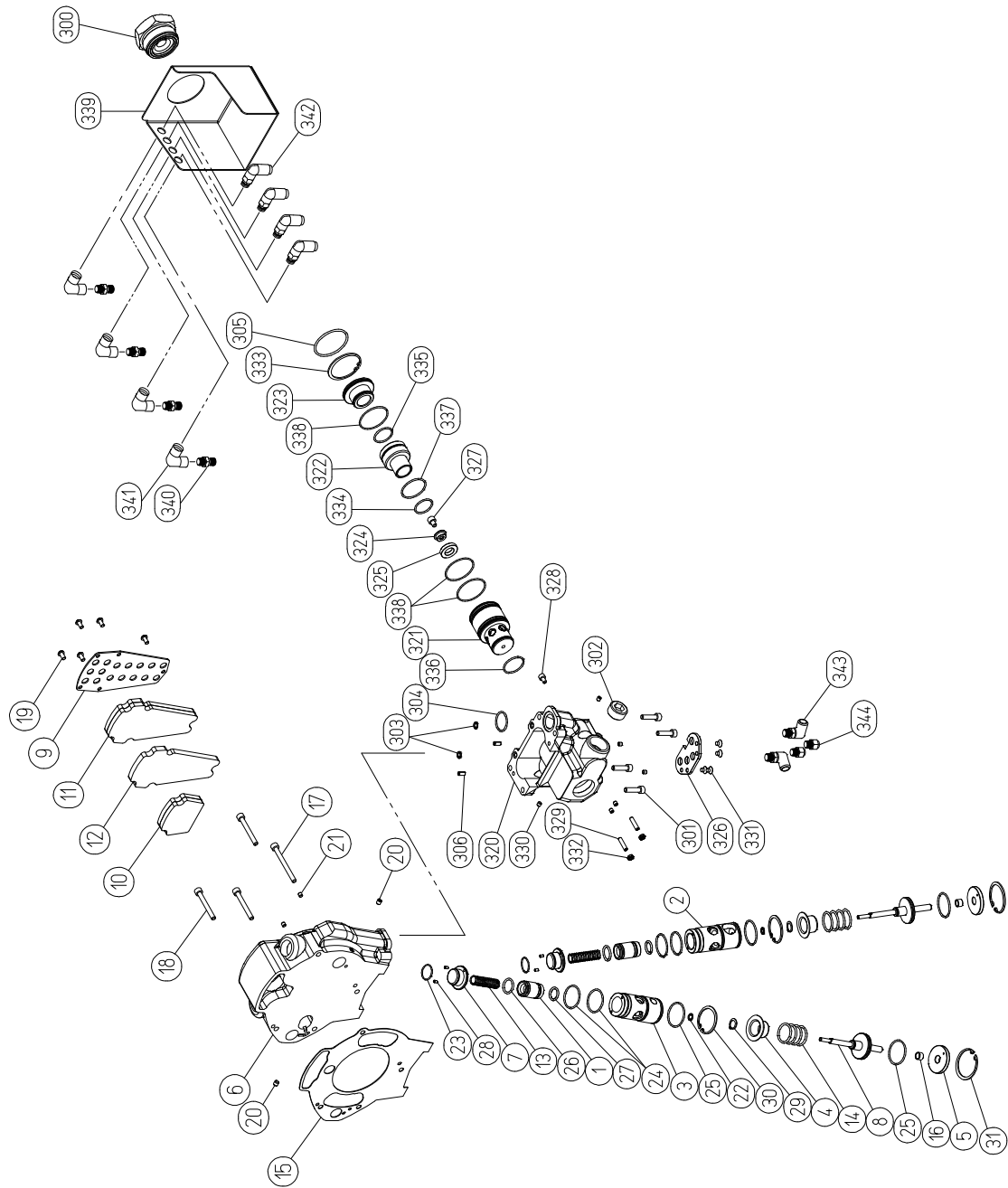
Hoist Body - TMH-3000-LHR

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	426307Z50	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 DISC	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-3000-LHR

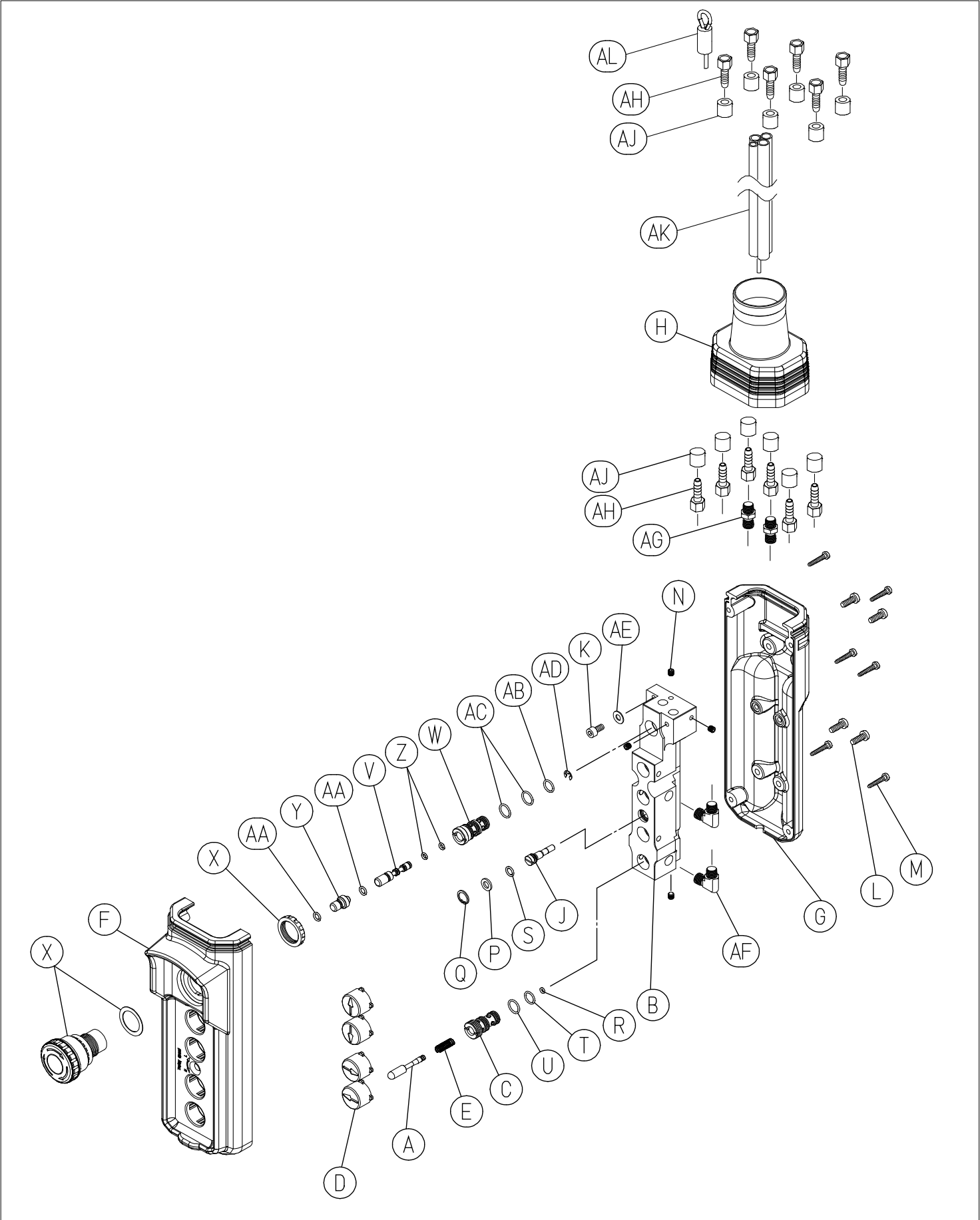
Fig. No.	Part Number	Part Name	Parts Per Hoist
233	130302016	RETAINING RING S-16	3
234	130302015	RETAINING RING S-15	3
235	130704025	SPLIT PIN 4X25	1
250	425810E60	HOOK	1
251	420890P11	HOOK SAFETY CLAW	1
252	130802046	HOOK SPRING	1
253	131704028	HEX SOCKET HEAD CAP SCREW M4X28	1
254	134501004	U NUT M4	1
255	425810570	HOOK END PIECE	1
256	425810580	HOOK JOINT BOLT	1
257	131712055	HEX SOCKET HEAD CAP SCREW M12X55	2
258	131301012	SPRING WASHER M12	3
259	134501012	U NUT M12	3
265	425810800	UNDER HOOK HOLDER	1
266	425810710	THRUST RING	1
268	425810F70	FREE CHAIN WHEEL	1
269	420890QH0	UNDER HOOK METAL COVER	2
270	130109012	BEARING 6211ZZ	2
271	130121112	THRUST BEARING 51112	1
272	131712060	HEX SOCKET HEAD CAP SCREW M12X60	2
273	131712100	HEX SOCKET HEAD CAP SCREW M12X100	1
274	131301012	SPRING WASHER M12	3
275	134501012	U NUT M12	3



Pendant Body - TMH-3000-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

Fig. No.	Part Number	Part Name	Parts Per Hoist
333	130301047	RETAINING RING H-47	1
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
339	DRG/TMH3000-PB-01	PENDANT BRACKET	1
340	P071/1	1/8 BSP HEX NIPPLE C/W 60° CONE	4
341	P050	1/8 BSP FEMALE ELBOW	4
342	304P	1/8 BSP MALE TO 6MM PUSH FIT ELBOW	4
343	304P	1/8 BSP MALE TO 6MM PUSH FIT ELBOW	2
344	P087	1/8 BSP TO 6MM PUSH FIT	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