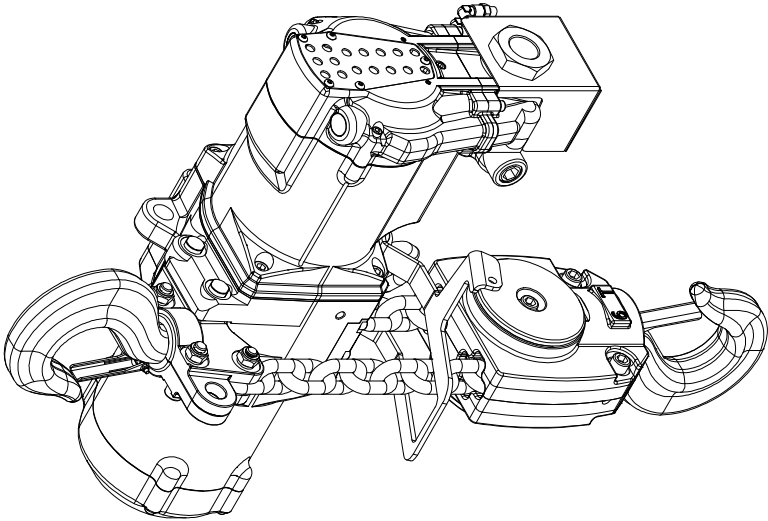
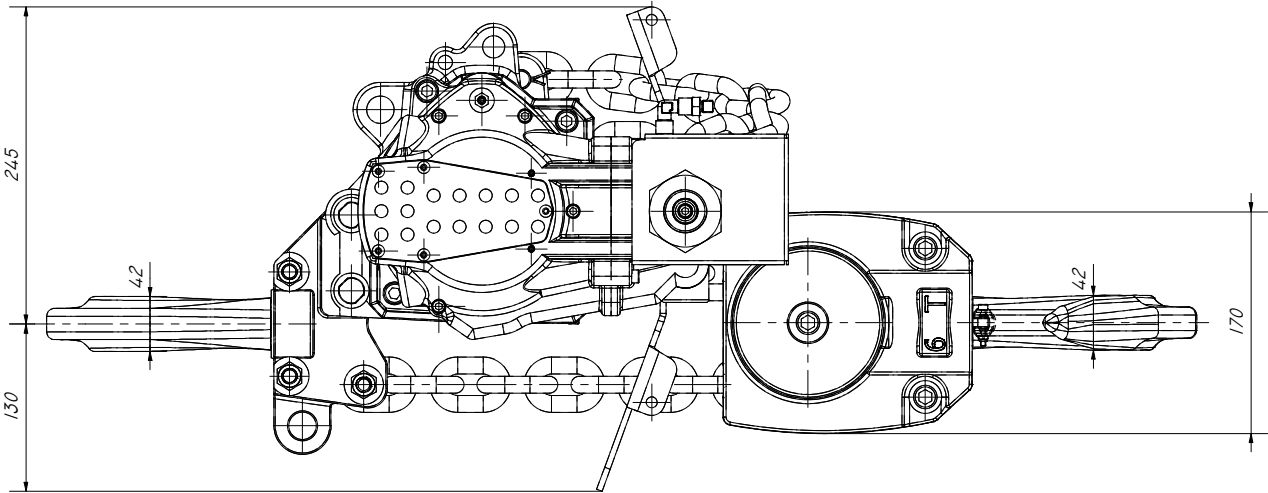
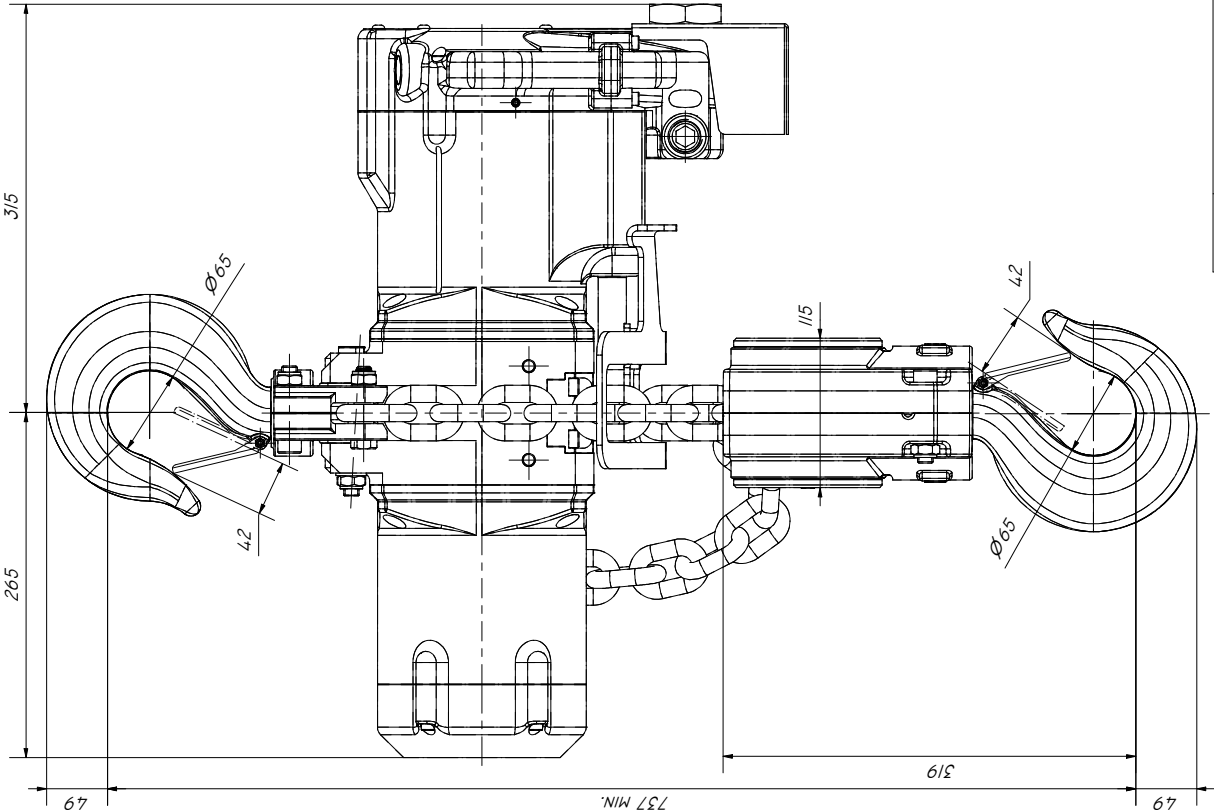
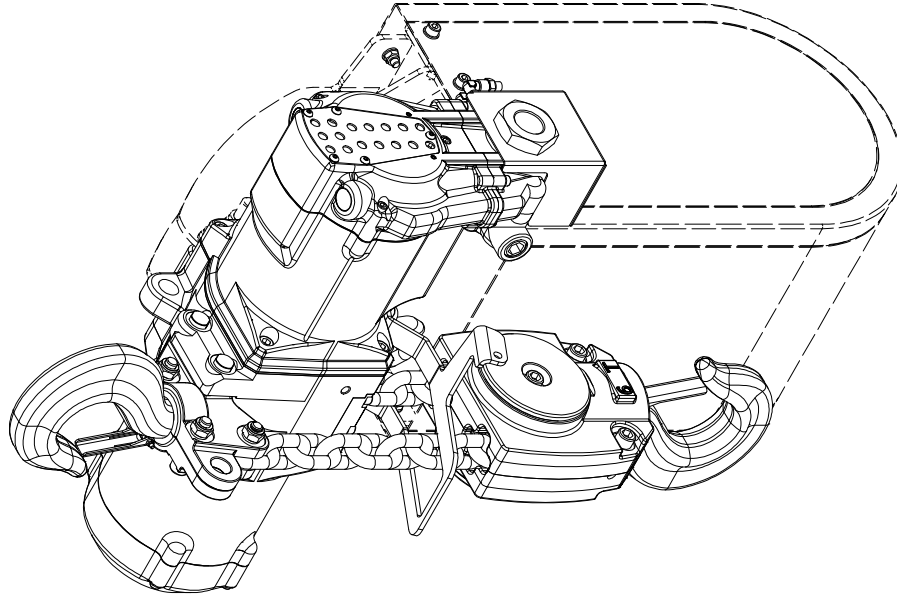
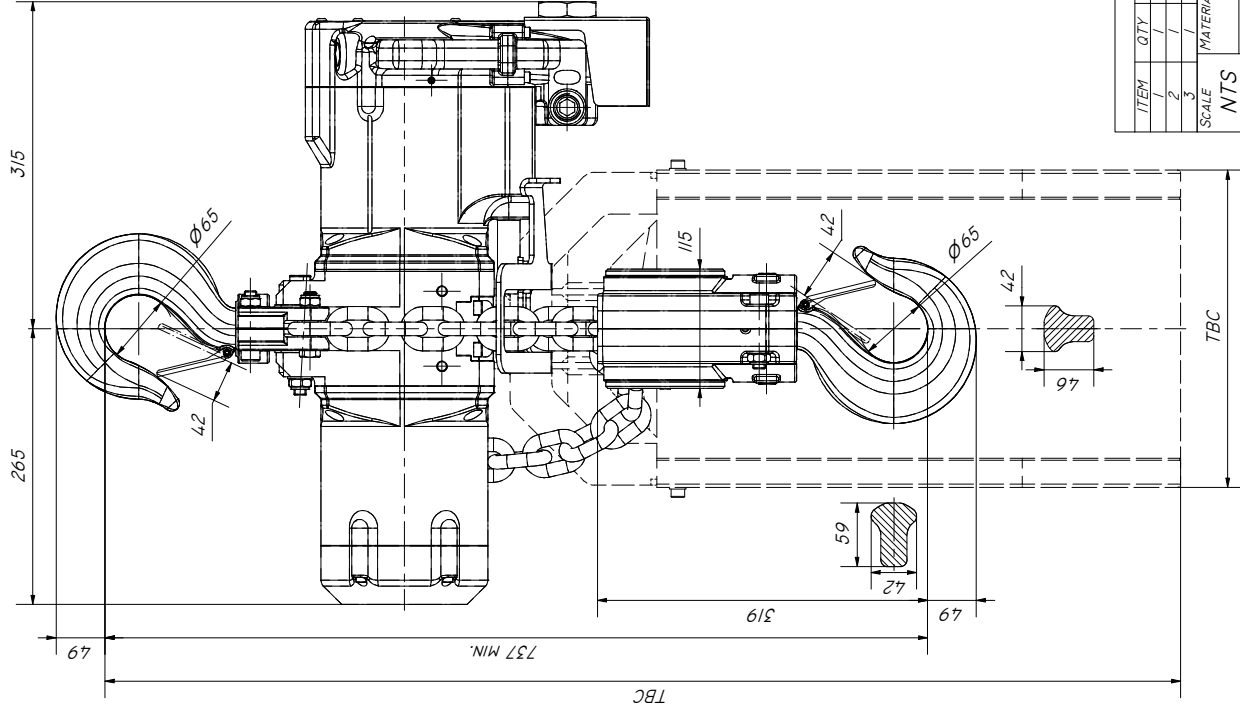
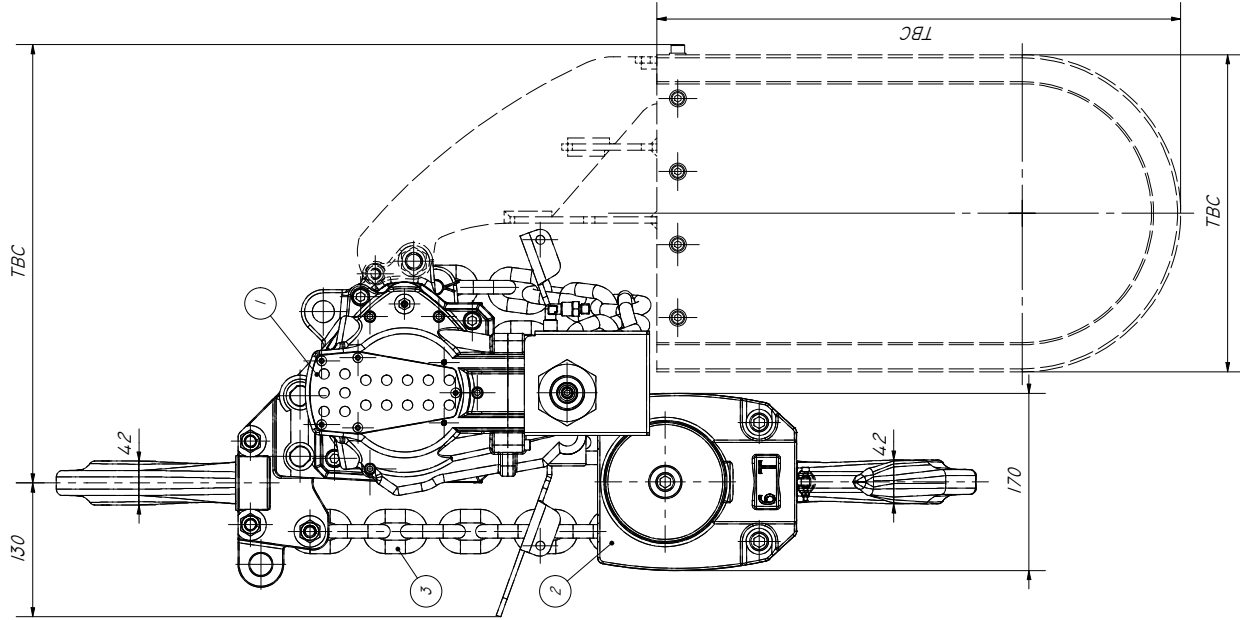


REVISION HISTORY		
REV.	DATE	APPROVED
0	05/05/2021	W. MORRISON



SCALE		MATERIAL		TITLE OF PART			GENERAL ASSEMBLY			PART NUMBER	
NTS		(OR EQUIVALENT)								TMH-6000P2E 1 / 2	
										UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS	
										TOLERANCES	
										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 ± 0.5	
										ANGULAR ± 0.5°	
										SURFACE ROUGHNESS √ IF IN DOUBT ASK	
										ALL DIMENSIONS ARE IN MILLIMETERS	
										TOLERANCES	
										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 ± 0.5	
										ANGULAR ± 0.5°	
										SURFACE ROUGHNESS √ IF IN DOUBT ASK	
										ALL DIMENSIONS ARE IN MILLIMETERS	
										TOLERANCES	
										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 ± 0.5	
										ANGULAR ± 0.5°	
										SURFACE ROUGHNESS √ IF IN DOUBT ASK	
										ALL DIMENSIONS ARE IN MILLIMETERS	
										TOLERANCES	
										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 ± 0.5	
										ANGULAR ± 0.5°	
										SURFACE ROUGHNESS √ IF IN DOUBT ASK	
										ALL DIMENSIONS ARE IN MILLIMETERS	
										TOLERANCES	
										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 ± 0.5	
										ANGULAR ± 0.5°	
										SURFACE ROUGHNESS √ IF IN DOUBT ASK	
										ALL DIMENSIONS ARE IN MILLIMETERS	
										TOLERANCES	
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										OVER 5 UP TO 10 ± 0.1	
										OVER 10 UP TO 20 ± 0.2	
										OVER 20 UP TO 50 ± 0.3	
										OVER 50 ± 0.5	
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										TOLERANCES	
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										OVER 10 UP TO 20 ± 0.2	
										OVER 20 UP TO 50 ± 0.3	
										OVER 50 ± 0.5	
										ANGULAR ± 0.5°	
										SURFACE ROUGHNESS √ IF IN DOUBT ASK	
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										OVER 10 UP TO 20 ± 0.2	
										OVER 20 UP TO 50 ± 0.3	
										OVER 50 ± 0.5	
										ANGULAR ± 0.5°	
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										TOLERANCES	
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										OVER 10 UP TO 20 ± 0.2	
										OVER 20 UP TO 50 ± 0.3	
										OVER 50 ± 0.5	
										ANGULAR ± 0.5°	
										SURFACE ROUGHNESS √ IF IN DOUBT ASK	
										ALL DIMENSIONS ARE IN MILLIMETERS	
										TOLERANCES	
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										OVER 5 UP TO 10 ± 0.1	
										OVER 10 UP TO 20 ± 0.2	
										OVER 20 UP TO 50 ± 0.3	
										OVER 50 ± 0.5	
										ANGULAR ± 0.5°	
										SURFACE ROUGHNESS √ IF IN DOUBT ASK	
										ALL DIMENSIONS ARE IN MILLIMETERS	
										TOLERANCES	
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										OVER 5 UP TO 10 ± 0.1	
										OVER 10 UP TO 20 ± 0.2	
										OVER 20 UP TO 50 ± 0.3	
										OVER 50 ± 0.5	
										ANGULAR ± 0.5°	
										SURFACE ROUGHNESS √ IF IN DOUBT ASK	
										ALL DIMENSIONS ARE IN MILLIMETERS	
										TOLERANCES	
										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 ± 0.5	
										ANGULAR ± 0.5°	
										SURFACE ROUGHNESS √ IF IN DOUBT ASK	
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										TOLERANCES	
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										OVER 5 UP TO 10 ± 0.1	
										OVER 10 UP TO 20 ± 0.2	
										OVER 20 UP TO 50 ± 0.3	
										OVER 50 ± 0.5	
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										SURFACE ROUGHNESS √ IF IN DOUBT ASK	
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										TOLERANCES	
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										OVER 5 UP TO 10 ± 0.1	
										OVER 10 UP TO 20 ± 0.2	
										OVER 20 UP TO 50 ± 0.3	
										OVER 50 ± 0.5	
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										OVER 10 UP TO 20 ± 0.2	
										OVER 20 UP TO 50 ± 0.3	
										OVER 50 ± 0.5	
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										TOLERANCES	
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										OVER 5 UP TO 10 ± 0.1	
										OVER 10 UP TO 20 ± 0.2	
										OVER 20 UP TO 50 ± 0.3	
										OVER 50 ± 0.5	
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										SURFACE ROUGHNESS √ IF IN DOUBT ASK	
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										TOLERANCES	
										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 ± 0.5	
										ANGULAR ± 0.5°	
										SURFACE ROUGHNESS √ IF IN DOUBT ASK	
										ALL DIMENSIONS ARE IN MILLIMETERS	
										TOLERANCES	
										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 ± 0.5	
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										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 ± 0.5	
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										SURFACE ROUGHNESS √ IF IN DOUBT ASK	
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										OVER 50 ± 0.5	
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										TOLERANCES	
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										OVER 5 UP TO 10 ± 0.1	
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										OVER 5 UP TO 10 ± 0.1	
										OVER 10 UP TO 20 ± 0.2	
										OVER 20 UP TO 50 ± 0.3	
										OVER 50 ± 0.5	
										ANGULAR ± 0.5°	
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										OVER 5 UP TO 10 ± 0.1	
										OVER 10 UP TO 20 ± 0.2	
										OVER 20 UP TO 50 ± 0.3	
										OVER 50 ± 0.5	
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										SURFACE ROUGHNESS √ IF IN DOUBT ASK	
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										TOLERANCES	
										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 ± 0.5	
										ANGULAR ± 0.5°	
										SURFACE ROUGHNESS √ IF IN DOUBT ASK	
										ALL DIMENSIONS ARE IN MILLIMETERS	
										TOLERANCES	
										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 ± 0.5	
										ANGULAR ± 0.5°	
										SURFACE ROUGHNESS √ IF IN DOUBT ASK	
										ALL DIMENSIONS ARE IN MILLIMETERS	
										TOLERANCES	
										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 ± 0.5	
										ANGULAR ± 0.5°	
										SURFACE ROUGHNESS √ IF IN DOUBT ASK	
										ALL DIMENSIONS ARE IN MILLIMETERS	
										TOLERANCES	
										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 ± 0.5	
										ANGULAR ± 0.5°	



GENERAL ASSEMBLY - PARTS LIST									
ITEM	QTY	PART NUMBER	DESCRIPTION	DRIVE UNIT	REV.				
1	1	TMH-6000 DU	DRIVE UNIT						
2	1	TMH-6000-BB	BOTTOM BLOCK						
3	1	13 X 3/6 CHAIN	HOIST CHAIN						
SCALE						TITLE OF PART			
NTS						GENERAL ASSEMBLY			
DESIGNED BY	SIGNATURE	DATE	SIGNATURE	DATE	DATE				
O. MORGAN		27/04/2021			29/04/2021				
O. MORGAN		29/04/2021			0				
W. MORRISON		30/04/2021			0				
B. AITKEN		03/05/2021			0				
SHEET SIZE						TITLE OF PROJECT			
A3						TMH6000 - 6T 2F AH			

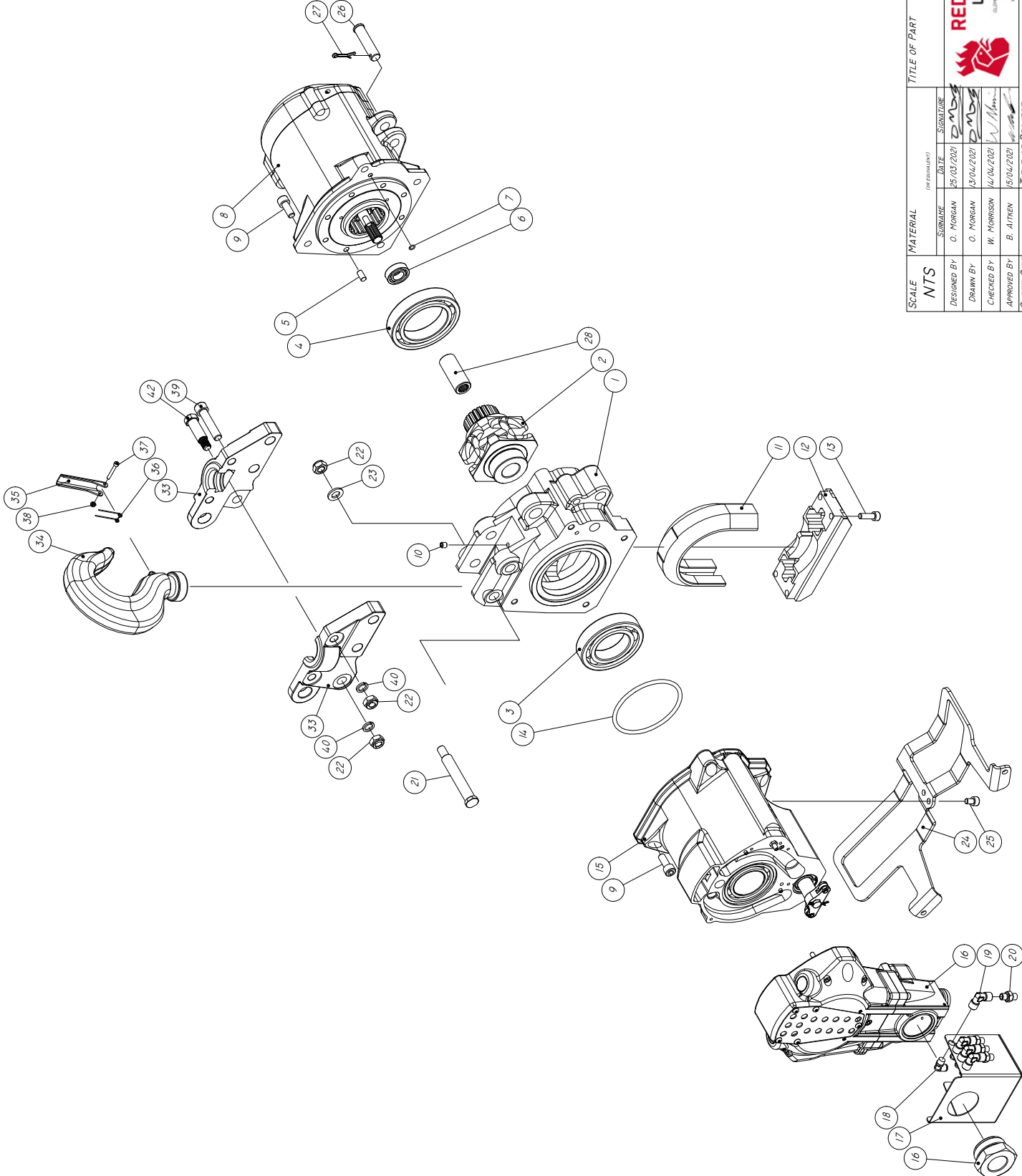


DATE
29/04/2021
REVISION WEIGHT
0 124KG
REPLACES DRAWING
-PROFILE NUMBER
-

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN MILLIMETERS
TOLERANCES
LINEAR
OTHER THAN 0.05
OTHER THAN 0.05
OTHER THAN 0.05
OTHER THAN 0.05
ANGULAR ± 0.5°
SURFACE ROUGHNESS
IF IN DOUBT ASK

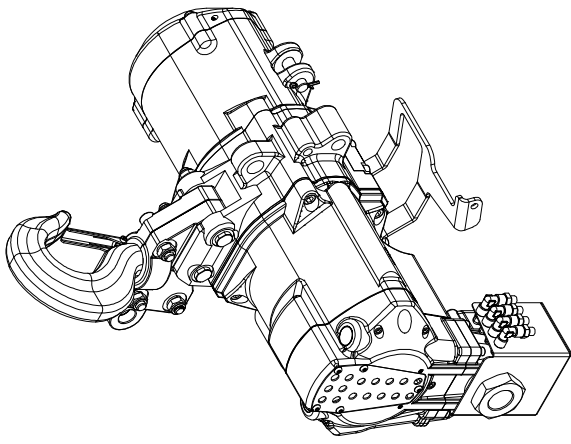
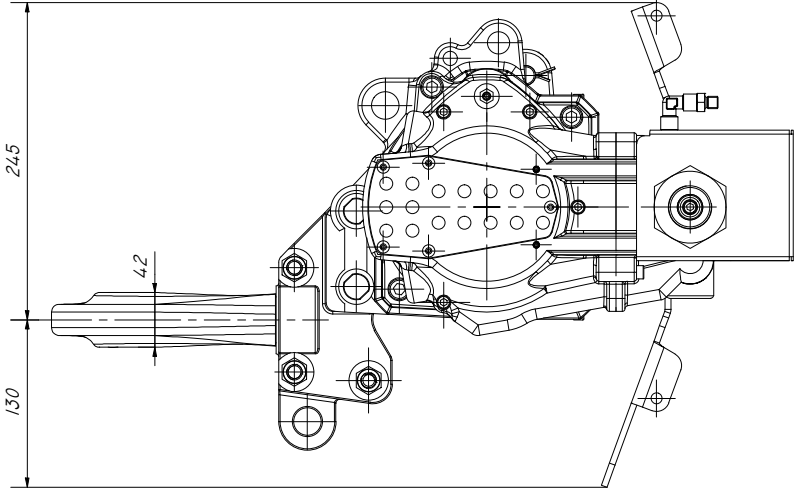
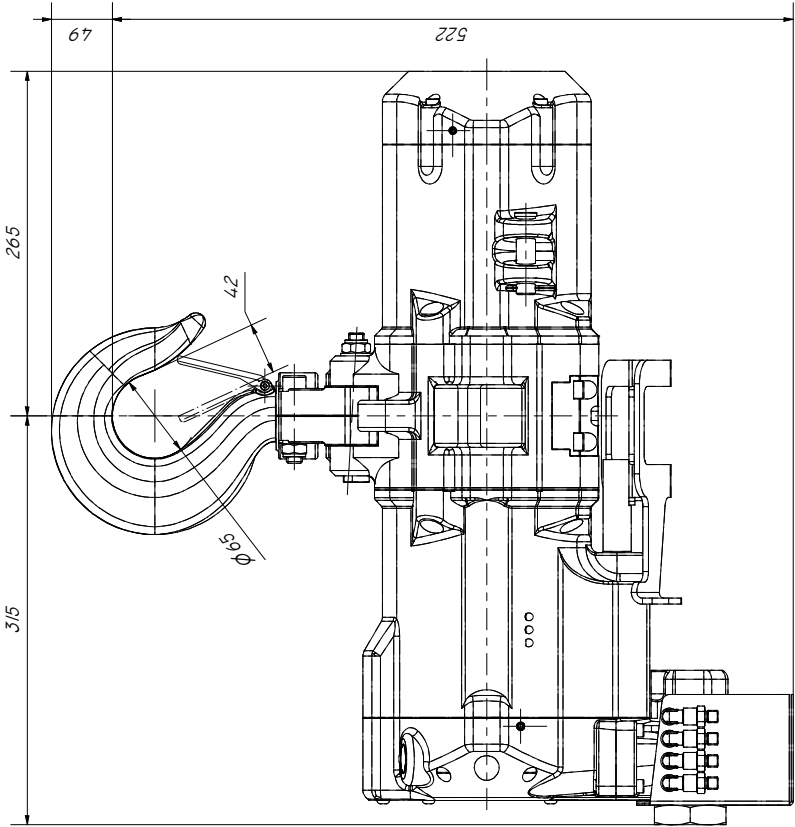
TMH-6000 DU C/W TOP HOOK

REVISION HISTORY		
REV.	DATE	APPROVED
0	05/05/2021	W. MORRISON



SCALE		MATERIAL		TITLE OF PART		DRIVE UNIT		PART NUMBER	
NTS		(OR EQUIVALENT)		DATE		DATE		TMH-6000 DU 1 / 8	
DESIGNED BY		SIGNATURE		DATE		13/04/2021		UNLESS OTHERWISE SPECIFIED TOLERANCES	
DRAWN BY		O. MORGAN		13/04/2021		REVISION WEIGHT		ALL DIMENSIONS ARE IN MILLIMETERS	
CHECKED BY		W. MORRISON		14/04/2021		0 119.2 KG		UP TO 5 ±0.05 OVER 5 TO 10 ±0.1 OVER 10 TO 25 ±0.15 OVER 25 TO 50 ±0.2 OVER 50 TO 100 ±0.3 OVER 100 ±0.5	
APPROVED BY		B. AITKEN		15/04/2021		REPLACES DRAWING		ANGULAR ±0.5° SURFACE ROUGHNESS $\sqrt{R}$ IF IN DOUBT ASK	
SHEET SIZE		TITLE OF PROJECT		TMH6000 - 6T 2F 4H		PROFILE NUMBER			
A3									

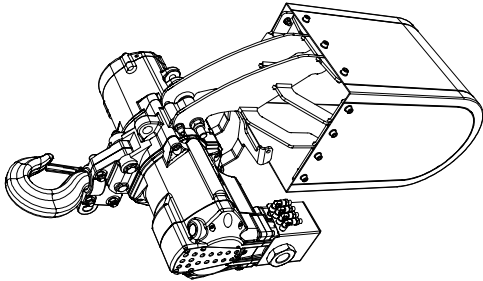
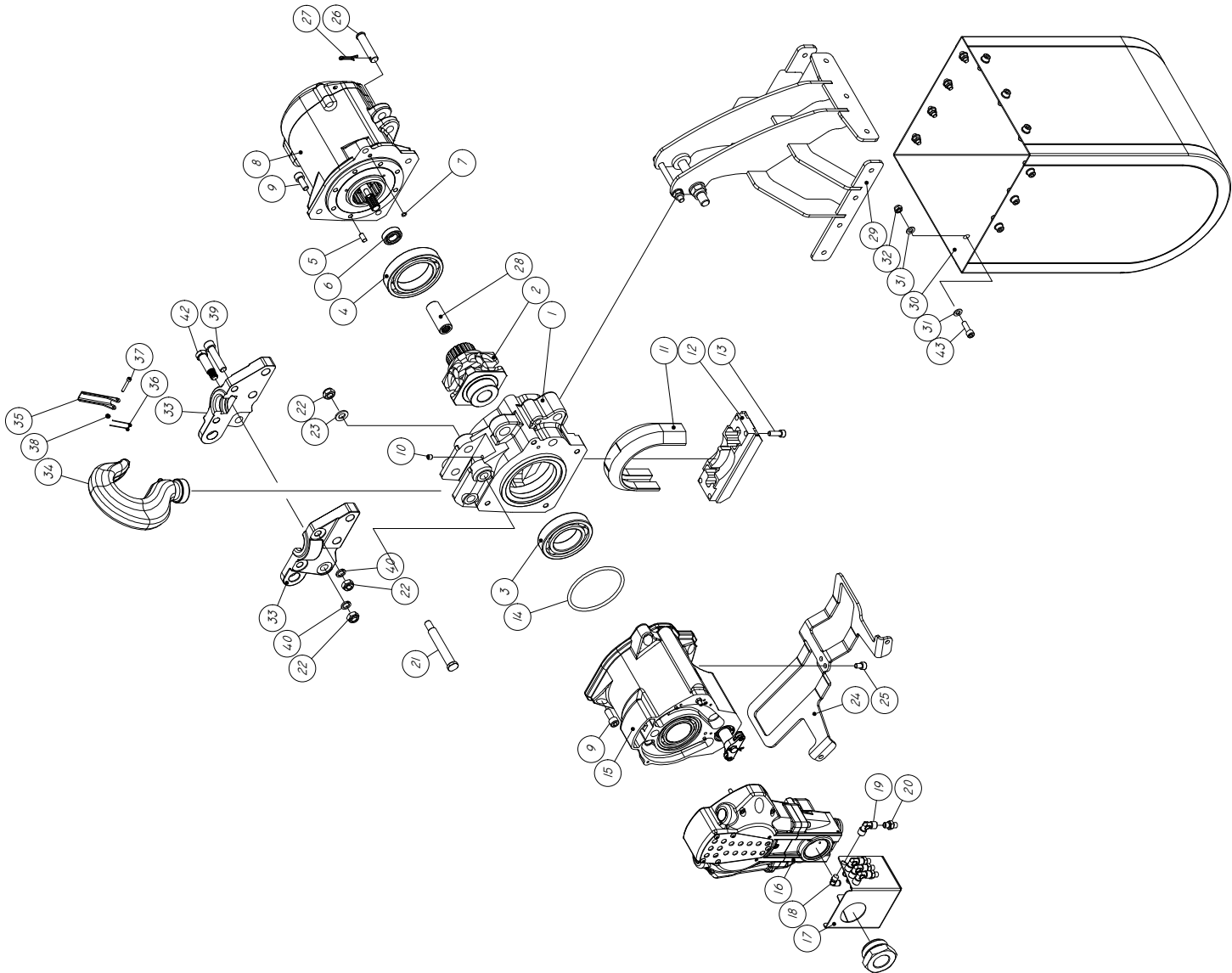
TMH-6000 DU c/w TOP HOOK



TMH-6000 DU c/w Top Hook - PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	425806400	CENTRE HOUSING
2	1	425806450	LOAD SHEAVE
3	1	13009012	BEARING 6211ZZ
4	1	13009015	BEARING 6014ZZ
5	8	426325340	DOMEL PIN
6	1	13004004	BEARING 6003
7	1	13103005	O-RING S-7
8	1	TMH-3000 GB	GEARBOX
9	8	13170025	HEXAGON SOCKET HEAD CAP SCREW M10x25
10	1	13208008	HEX SOCKET SET SCREW M8x8
11	1	425806350	CHAIN SEPARATOR
12	1	425806360	HEX SOCKET HEAD CAP SCREW M8x25
13	4	131708025	O-RING F-100
14	1	13101068	AIR MOTOR
15	1	TMH-3000 AM	CONTROL VALVE
16	1	TMH-10 CV	PENDANT BRACKET (TMH-3000 & TMH-10)
17	4	K02L06-UNS	1/8" BSP MALE TO 6MM PUSH FIT ELBOW
18	4	FEL09N	1/8" FEMALE ELBOW
19	4	13500012	1/8" MALE TO 1/8" MALE NIPPLE
20	2	425806320	HANGER PIN
21	2	13101012	NUT M12
22	2	13101012	WASHER M12
23	2	42580110	CHAIN LIFTER
24	2	131708012	HEX SOCKET HEAD CAP SCREW M8x12
25	2	425806160	HEX SOCKET HEAD CAP SCREW M8x12
26	1	13070025	SPLIT PIN LX25
27	1	425806200	CORPINS
28	2	425806210	HOOK END PIECE
29	1	425806220	HOOK
30	1	42089011	HOOK SAFETY CLAW
31	1	13002016	HOOK SPRING
32	1	13002016	HEX SOCKET HEAD CAP SCREW M4x28
33	1	13002016	LI NUT M4
34	1	13002016	HEX SOCKET HEAD CAP SCREW M4x28
35	1	13002016	HEX SOCKET HEAD CAP SCREW M4x28
36	1	13002016	HEX SOCKET HEAD CAP SCREW M4x28
37	1	13002016	HEX SOCKET HEAD CAP SCREW M4x28
38	1	13002016	HEX SOCKET HEAD CAP SCREW M4x28
39	2	13170012	SPRING WASHER M12
40	3	13170012	HOOK JOINT BOLT
41	1	425805580	

SCALE		MATERIAL		TITLE OF PART		DRIVE UNIT		PART NUMBER	
NTS		(OR EQUIVALENT)		DATE		DATE		TMH-6000 DU 2 / 8	
DESIGNED BY		SIGNATURE		DATE		DATE		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS	
DRAWN BY		SIGNATURE		DATE		DATE		TOLERANCES	
CHECKED BY		SIGNATURE		DATE		DATE		UP TO 5 ±.005	
APPROVED BY		SIGNATURE		DATE		DATE		OVER 5 TO 10 ±.01	
								OVER 10 TO 25 ±.02	
								OVER 25 TO 50 ±.03	
								OVER 50 TO 100 ±.04	
								OVER 100 ±.05	
SHEET SIZE		TITLE OF PROJECT		REPLACES DRAWING		PROFILE NUMBER		ANGULAR ±.015°	
A3		TMH6000 - 6T 2F 4H		-		-		SURFACE ROUGHNESS $\sqrt{}$ IF IN DOUBT ASK	

TMH-6000 DU C/W TOP HOOK & CHAIN COLLECTOR



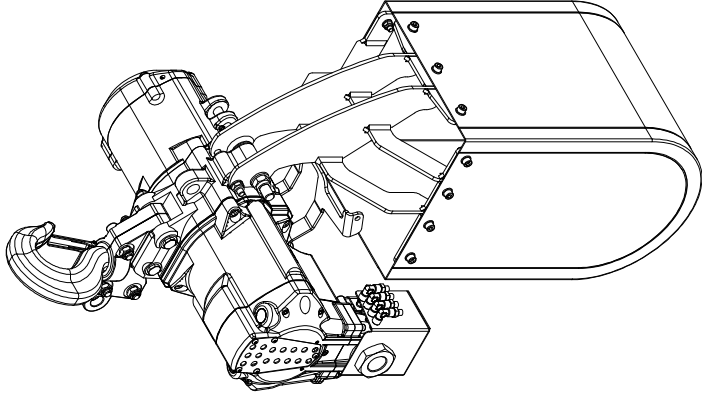
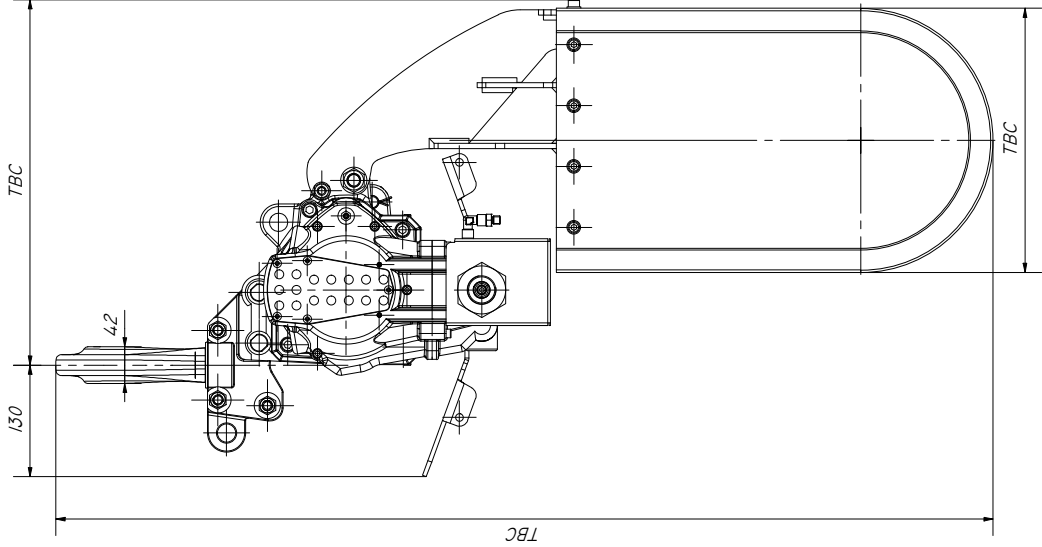
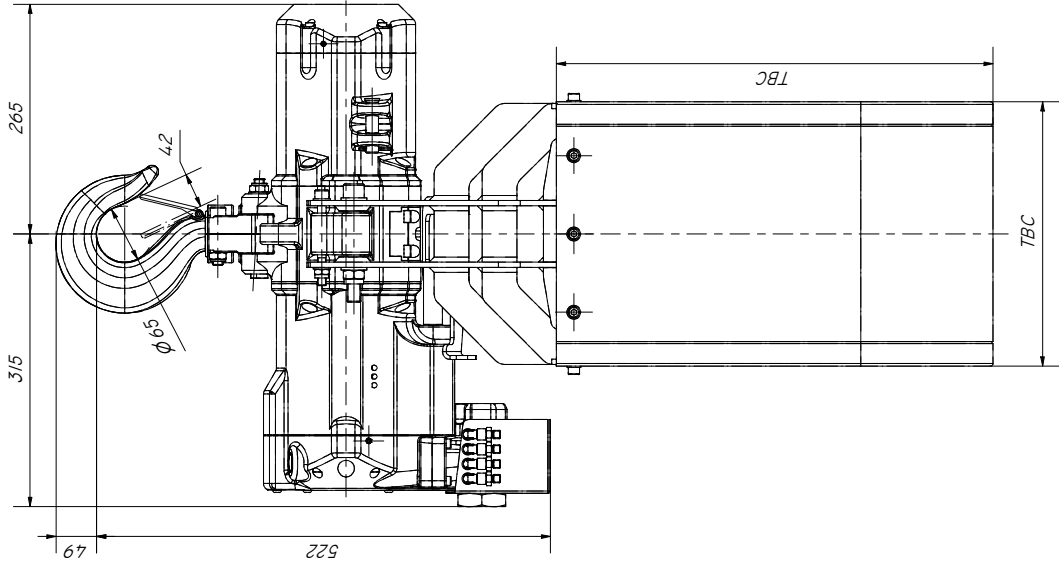
TMH-6000 DU C/W TOP HOOK & CHAIN COLLECTOR PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	425806400	CENTRE HOUSING	
2	1	425806450	LOAD SHAFT	
3	1	130109012	BEARING 6211ZZ	
4	1	130109015	BEARING 6014ZZ	
5	8	426325340	DOREL PIN	
6	1	130104004	BEARING 6003	
7	1	131013005	O-RING S-7	
8	1	TMH-3000-GB	GEARBOX	
9	8	131710025	HEXAGON SOCKET HEAD CAP SCREW M10x25	
10	1	132108008	HEX SOCKET SET SCREW M8x8	
11	1	132108008	CHAIN GUIDE	
12	1	425806350	CHAIN SEPARATOR	
13	4	425806360	HEX SOCKET HEAD CAP SCREW M8x25	
14	1	131708025	O-RING F-100	
15	1	131010068	AIR MOTOR	
16	1	TMH-3000-AM	CONTROL VALVE	
17	1	PERB CV	PENDANT BRACKET (TMH-3000 & TMH-10)	0
18	4	K02185-01NS	1/8" BSP MALE TO GPM FISH FIT ELBOW	
19	4	100-0202	1/8" MALE TO 1/8" NIPPLE	
20	2	132108025	U NUT M2	
21	2	132108025	WASHER M2	
22	5	131307012	CHAIN LEVER	
23	2	131307012	HEX SOCKET HEAD CAP SCREW M8x12	
24	1	425810110	CHAIN SET PIN	
25	2	131708012	SPLIT PIN Lx25	
26	1	425806460	COUPLING	
27	1	130704035	TMH-3000 BUCKET BRACKET ASSEMBLY	0
28	1	425806200	WASHER	
29	1	TMH-3000-BB-00	HEX NUT	
30	1	CHAIN COLLECTOR 300X300X500	HOOK END PIECE	
31	22	DIN 125 - A 8 4	HOOK SAFETY CLAW	
32	11	DIN 945 - M8	HOOK SPRING	
33	2	425810570	HEX SOCKET HEAD CAP SCREW M4x28	
34	1	425810570	U NUT M4	
35	1	420890P11	SPRING WASHER M2	
36	1	130802046	HEX SOCKET HEAD CAP SCREW M12 x 55	
37	1	131704028	HOOK JOINT BOLT	
38	1	131704028	CYLINDER HEAD CAP SCREW	
39	2	131712055		
40	3	131301012		
41	1	425810580		
42	1			
43	11			
SCALE MATERIAL TITLE OF PART PART NUMBER				
N/A 11 TMH-6000 DU				
DRIVE UNIT				
DATE 13/04/2021				
REVISION WEIGHT 0 119.2 KG				
REPLACES DRAWING -				
PROFILE NUMBER -				
UNLESS OTHERWISE SPECIFIED				
ALL DIMENSIONS ARE IN MILLIMETERS				
TOLERANCES				
LINEAR				
OVER 30 UP TO 50.8				
OVER 50.8 UP TO 101.6				
OVER 101.6 UP TO 152.4				
OVER 152.4 UP TO 304.8				
OTHER DIMENSIONS AS NOTED				
SURFACE FINISH				
ANGULAR $\pm 0.5^\circ$				
SURFACE ROUGHNESS $\sqrt{R}$				
IF IN DOUBT ASK				



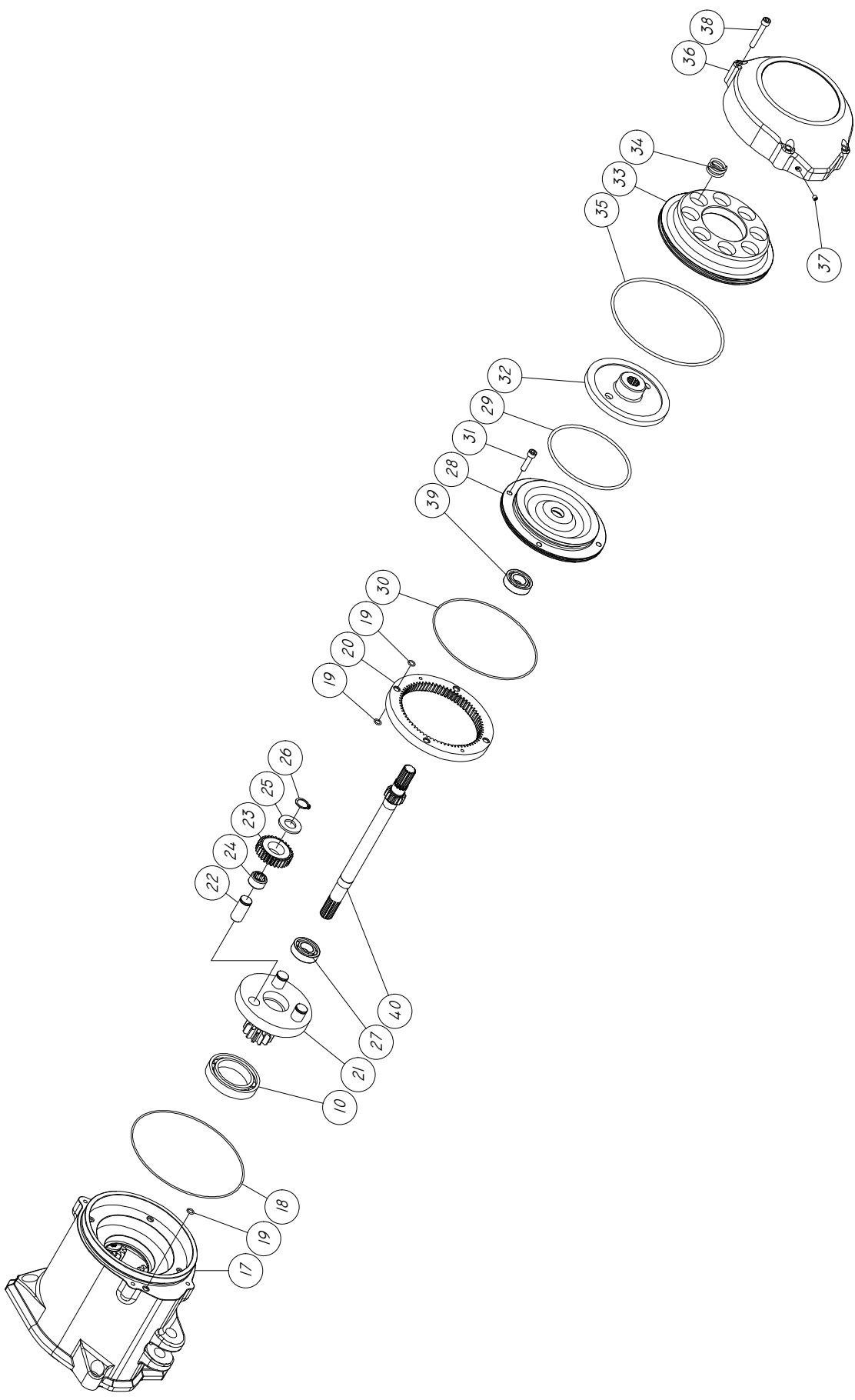
RED ROOSTER
LIFTING

TMH6000 - 6T 2F 4H

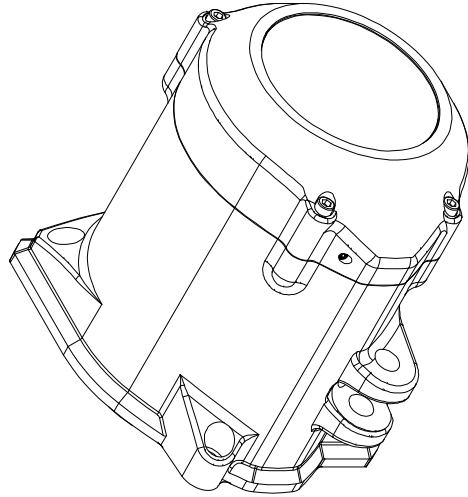
TMH-6000 DU C/W TOP HOOK & CHAIN COLLECTOR



SCALE		MATERIAL		TITLE OF PART		DRIVE UNIT		PART NUMBER	
NTS		(SEE EXPLANATION)		DATE		DATE		TMH-6000 DU	
DESIGNED BY	O. MORGAN	SIGNATURE	DATE	SIGNATURE		DATE		4, 7, 8	
DRAWN BY	O. MORGAN	SIGNATURE	DATE	SIGNATURE		DATE		13/04/2021	
CHECKED BY	W. MORRISON	SIGNATURE	DATE	SIGNATURE		DATE		REVISION WEIGHT	
APPROVED BY	B. AITKEN	SIGNATURE	DATE	SIGNATURE		DATE		0 119.2 KG	
SHEET SIZE	A3	TITLE OF PROJECT		REPLACES DRAWING		REPLACES DRAWING		-	
								PROFILE NUMBER	
								-	
								TMH6000 - 6T 2F 4H	
								UNLESS OTHERWISE SPECIFIED	
								ALL DIMENSIONS ARE IN MILLIMETERS	
								TOLERANCES	
								LINEAR	
								OVER 30 UP TO 100 ±0.5	
								OVER 100 UP TO 300 ±0.6	
								OVER 300 UP TO 600 ±0.8	
								OVER 600 UP TO 1000 ±1.0	
								ANGULAR ±0.5°	
								SURFACE ROUGHNESS	
								IF IN DOUBT ASK	

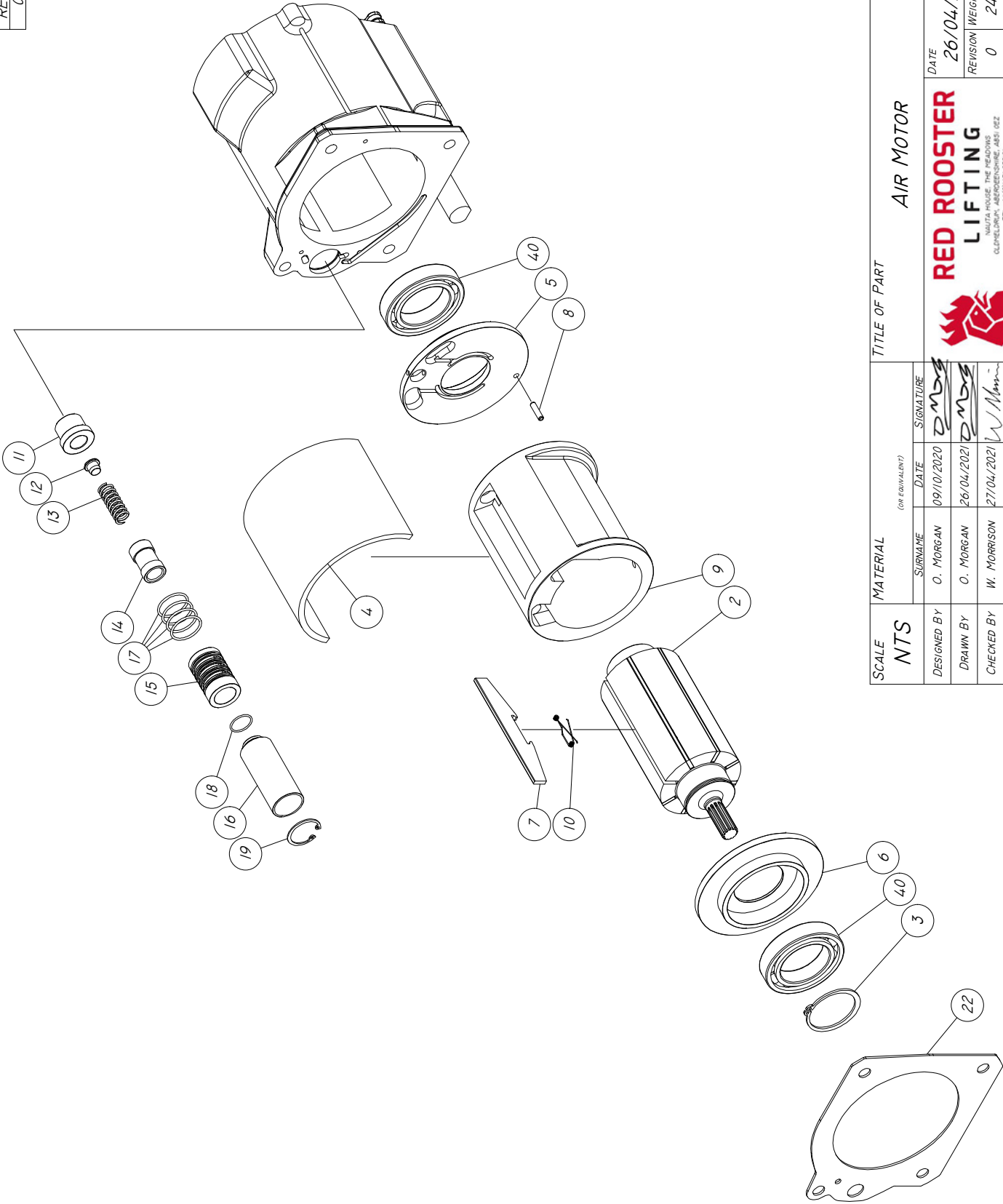


SCALE	MATERIAL	TITLE OF PART		PART NUMBER	
NTS	(OR EQUIVALENT)	SURNAME	DATE	SIGNATURE	
DESIGNED BY	O. MORGAN	15/12/2020		<i>O. Morgan</i>	
DRAWN BY	O. MORGAN	26/04/2021		<i>O. Morgan</i>	
CHECKED BY	W. MORRISON	27/04/2021		<i>W. Morrison</i>	
APPROVED BY	B. AITKEN	28/04/2021		<i>B. Aitken</i>	
SHEET SIZE	A4	TITLE OF PROJECT		REVISION	
				DATE	
				26/04/2021	
				REVISION	
				0	
				WEIGHT	
				28.8 KG	
				REPLACES DRAWING	
				-	
				PROFILE NUMBER	
				-	
				DATE	
				26/04/2021	
				REVISION	
				0	
				WEIGHT	
				28.8 KG	
				REPLACES DRAWING	
				-	
				PROFILE NUMBER	
				-	
				DATE	
				26/04/2021	
				REVISION	
				0	
				WEIGHT	
				28.8 KG	
				REPLACES DRAWING	
				-	
				PROFILE NUMBER	
				-	
				DATE	
				26/04/2021	
				REVISION	
				0	
				WEIGHT	
				28.8 KG	
				REPLACES DRAWING	
				-	
				PROFILE NUMBER	
				-	
				DATE	
				26/04/2021	
				REVISION	
				0	
				WEIGHT	
				28.8 KG	
				REPLACES DRAWING	
				-	
				PROFILE NUMBER	
				-	
				DATE	
				26/04/2021	
				REVISION	
				0	
				WEIGHT	
				28.8 KG	
				REPLACES DRAWING	
				-	
				PROFILE NUMBER	
				-	
				DATE	
				26/04/2021	
				REVISION	
				0	
				WEIGHT	
				28.8 KG	
				REPLACES DRAWING	
				-	
				PROFILE NUMBER	
				-	
				DATE	
				26/04/2021	
				REVISION	
				0	
				WEIGHT	
				28.8 KG	
				REPLACES DRAWING	
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				PROFILE NUMBER	
				-	
				DATE	
				26/04/2021	
				REVISION	
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				WEIGHT	
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				DATE	
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				WEIGHT	
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				REPLACES DRAWING	
				-	
				PROFILE NUMBER	
				-	
				DATE	
				26/04/2021	
				REVISION	
				0	
				WEIGHT	
				28.8 KG	
				REPLACES DRAWING	
				-	
				PROFILE NUMBER	
				-	
				DATE	
				26/04/2021	
				REVISION	
				0	
				WEIGHT	
				28.8 KG	
				REPLACES DRAWING	
				-	
				PROFILE NUMBER	
				-	
				DATE	
				26/04/2021	
				REVISION	
				0	
				WEIGHT	
				28.8 KG	
				REPLACES DRAWING	
				-	
				PROFILE NUMBER	
				-	
				DATE	
				26/04/2021	
				REVISION	
				0	
				WEIGHT	
				28.8 KG	
				REPLACES DRAWING	
				-	
				PROFILE NUMBER	
				-	
				DATE	
				26/04/2021	
				REVISION	
				0	
				WEIGHT	
				28.8 KG	
				REPLACES DRAWING	
				-	
				PROFILE NUMBER	
				-	
				DATE	
				26/04/2021	
				REVISION	
				0	
				WEIGHT	
				28.8 KG	
				REPLACES DRAWING	
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				PROFILE NUMBER	
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				DATE	
				26/04/2021	
				REVISION	
				0	
				WEIGHT	
				28.8 KG	
				REPLACES DRAWING	
				-	
				PROFILE NUMBER	
				-	
				DATE	
				26/04/2021	
				REVISION	
				0	
				WEIGHT	
				28.8 KG	
				REPLACES DRAWING	
				-	
				PROFILE NUMBER	
				-	
				DATE	
				26/04/2021	
				REVISION	
				0	
				WEIGHT	
				28.8 KG	
				REPLACES DRAWING	
				-	
				PROFILE NUMBER	
				-	
				DATE	
				26/04/2021	
				REVISION	
				0	
				WEIGHT	
				28.8 KG	
				REPLACES DRAWING	

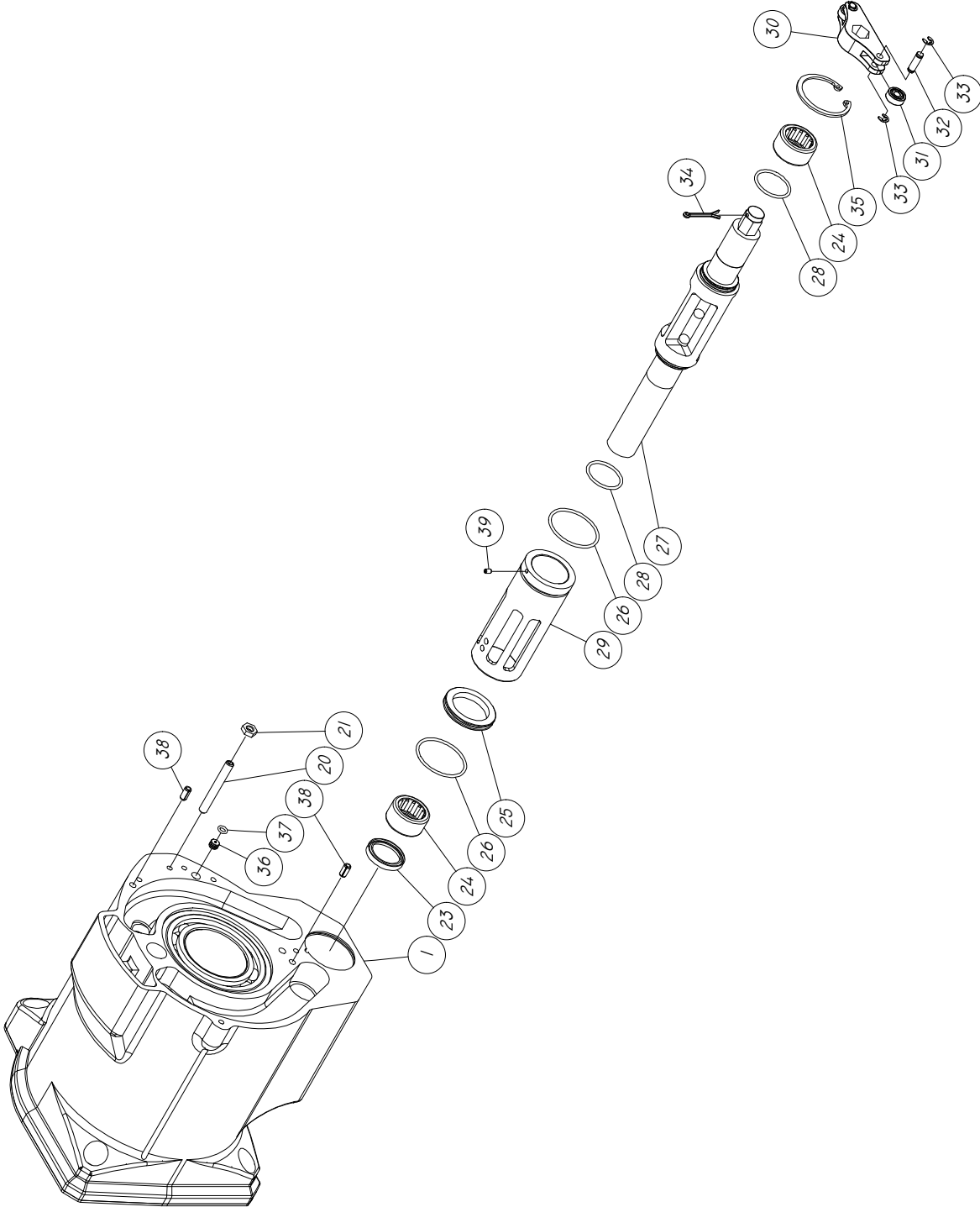


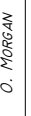
PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	42580K50	THIRD RING GEAR	
2	1	425806240	CAGE	
3	3	42580K30	THIRD STAR GEAR	
4	6	130131621	NEEDLE BEARING TA1620Z	
5	3	42580K40	THIRD PIN	
6	1	13013016	BEARING 6916	
7	1	425806230	SPACER	
8	1	131117249	O-RING AS568-249	
9	1	425806F50	SECOND RING GEAR	
10	2	13013009	BEARING 6909	
11	1	425806K20	THIRD PINION	
12	3	425806E40	SECOND PIN	
13	3	425806E30	SECOND STAR GEAR	
14	3	130131617	NEEDLE BEARING TA1616Z	
15	3	42580K70	SECOND THRUST WASHER	
16	3	130302016	RETAINING RING S-16	
17	1	425806310	GEAR CASE	
18	2	131103065	O-RING S-145	
19	9	131103005	O-RING S-7	
20	1	425806E10	FIRST RING GEAR	
21	1	425828E20	SECOND PINION	
22	3	425806A80	FIRST PIN	
23	3	425806A70	FIRST STAR GEAR	
24	3	130131513	NEEDLE BEARING TA1512Z	
25	3	131307014	WASHER M14	
26	3	130302015	RETAINING RING S-15	
27	1	130104004	BEARING 6003	
28	1	425806900	BRAKE PLATE	
29	1	131117242	O-Ring AS568-242	
30	1	131103063	O-Ring S-135	
31	4	131706025	HEX SOCKET HEAD CAP SCREW M6x25	
32	1	425806430	BRAKE DISC	
33	1	425806400	BRAKE PISTON	
34	8	130802229	SPRING 2U-5X21.9X2.9	
35	1	131117255	O-RING AS568-255	
36	1	425806410	BRAKE COVER	
37	1	132105005	HEX SOCKET SET SCREW M5x5	
38	4	131706040	HEX SOCKET HEAD CAP SCREW M6x40	
39	1	130106004	BEARING 6003ZZ	
40	1	425806A60	FIRST PINION	
SCALE		MATERIAL	TITLE OF PART	PART NUMBER
NTS		GEARBOX		
DESIGNED BY	SURNAME	DATE	SIGNATURE	DATE
DRAWN BY	O. MORGAN	15/12/2020		26/04/2021
CHECKED BY	W. MORRISON	27/04/2021		
APPROVED BY	B. AITKEN	28/04/2021		
SHEET SIZE	TITLE OF PROJECT			
A4			PROFILE NUMBER	
				
		RED ROOSTER LIFTING		
		CLAPHAM ROAD, HATFIELD AL9 9EZ TEL: +44(0)1453 872081 WWW.REDROOSTERLIFTING.COM		
		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS		
		TOLERANCES LINEAR: UP TO 50 ±0.05 OVER 50 UP TO 120 ±0.2 OVER 120 UP TO 250 ±0.3 OVER 250 UP TO 1000 ±0.5 OVER 1000 ±1		
		ANGULAR ±0.5° SURFACE ROUGHNESS Ra/ IF IN DOUBT ASK		

REVISION HISTORY		
REV.	DATE	APPROVED
0	05/05/2021	W. MORRISON



SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
NTS	(OR EQUIVALENT)	SURNAME	DATE	SIGNATURE	DATE	TMH-3000 AM	1 / 3
DESIGNED BY	O. MORGAN	09/10/2020			26/04/2021		
DRAWN BY	O. MORGAN	26/04/2021			0		
CHECKED BY	W. MORRISON	27/04/2021			REPLACES DRAWING		
APPROVED BY	B. AITKEN	28/04/2021			-		
SHEET SIZE	A4	TITLE OF PROJECT		PROFILE NUMBER			
		RED ROOSTER LIFTING		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS			
		NAUTA HOUSE, THE MEADOWS OLDPELTON, ABERDEENSHIRE, AB51 0EZ		TOLERANCES			
		MAIN TEL: 01463 872008 WWW.REDROOSTERLIFTING.COM		LINEAR			
				UP TO 5 ±0.05			
				OVER 5 UP TO 30 ±0.1			
				OVER 30 UP TO 100 ±0.15			
				OVER 100 UP TO 500 ±0.25			
				OVER 500 UP TO 1000 ±0.5			
				ANGULAR ±0.5°			
				SURFACE FINISH			
				NO			
				IF IN DOUBT ASK			



SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
NTS		(OR EQUIVALENT)		AIR MOTOR		TMH-3000 AM	
		SURNAME	DATE	SIGNATURE	DATE		
DESIGNED BY	O. MORGAN	09/10/2020		26/04/2021			
DRAWN BY	O. MORGAN	26/04/2021		REVISION WEIGHT			
CHECKED BY	W. MORRISON	27/04/2021		0 24.0 KG			
APPROVED BY	B. AITKEN	28/04/2021		REPLACES DRAWING			
SHEET SIZE		TITLE OF PROJECT		-			
A4				PROFILE NUMBER			
				-			



RED ROOSTER LIFTING

WULFENBURG, THE NETHERLANDS
OLIMPIEDRUP, ABERDEENSHIRE, ABERDEEN
MAIN FAX: +44(0)1463 872098
WWW.REDROOSTERLIFTING.COM

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN MILLIMETERS

TOLERANCES

LINEAR

UP TO 5 ± 0.05
OVER 5 UP TO 20 ± 0.1
OVER 20 UP TO 50 ± 0.2
OVER 50 UP TO 100 ± 0.3
OVER 100 ± 0.5

ANGULAR $\pm 0.5^\circ$

SURFACE FINISHNESS $\nabla 10$

IF IN DOUBT ASK



RED ROOSTER LIFTING
 NAUTA HOUSE, THE MEADOWS
 OLDPELTON, ABERDEENSHIRE, AB51 0EZ
 TEL: 01463 875000
 FAX: 01463 875008
 WWW.REDROOSTERLIFTING.COM

UNLESS OTHERWISE SPECIFIED
 ALL DIMENSIONS ARE IN MILLIMETERS

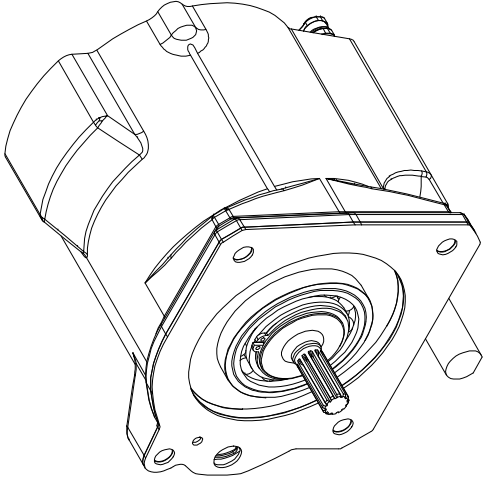
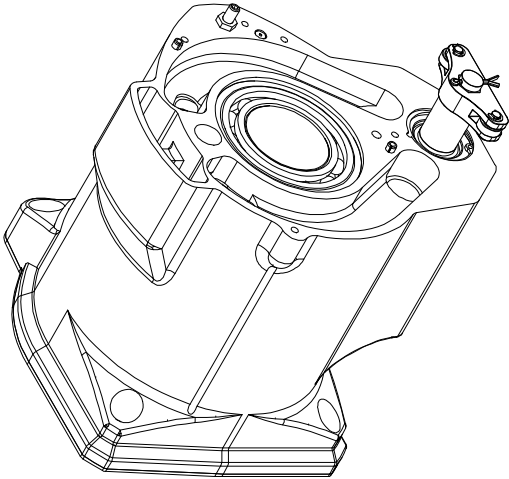
TOLERANCES

LINEAR	UP TO 5	±0.05
	OVER 5 UP TO 10	±0.1
	OVER 10 UP TO 100	±0.2
	OVER 100 UP TO 500	±0.5
	OVER 500 UP TO 1000	±0.5
	OVER 1000	±0.5

ANGULAR ± 0.5°

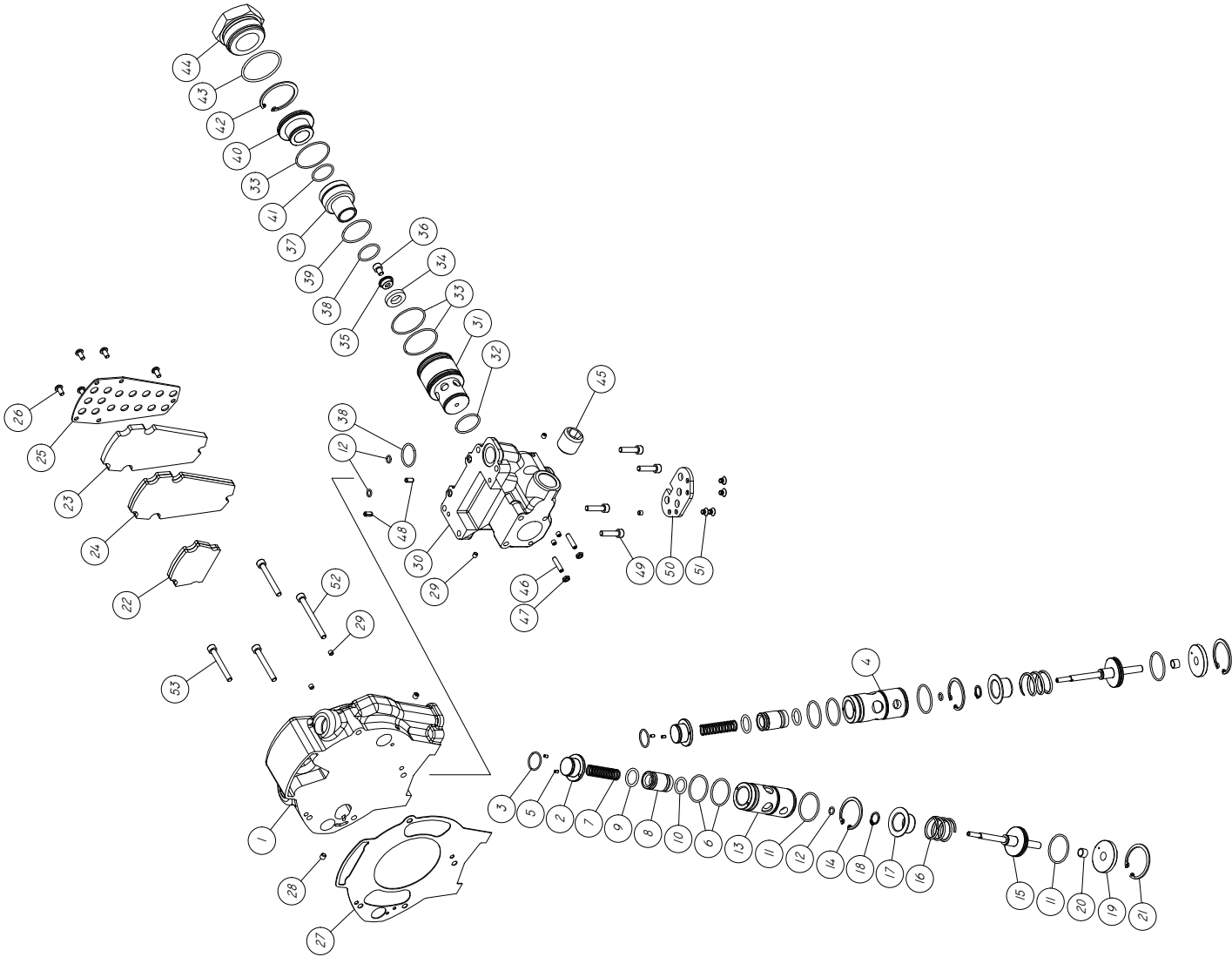
SURFACE ROUGHNESS $\sqrt{R}$

IF IN DOUBT ASK



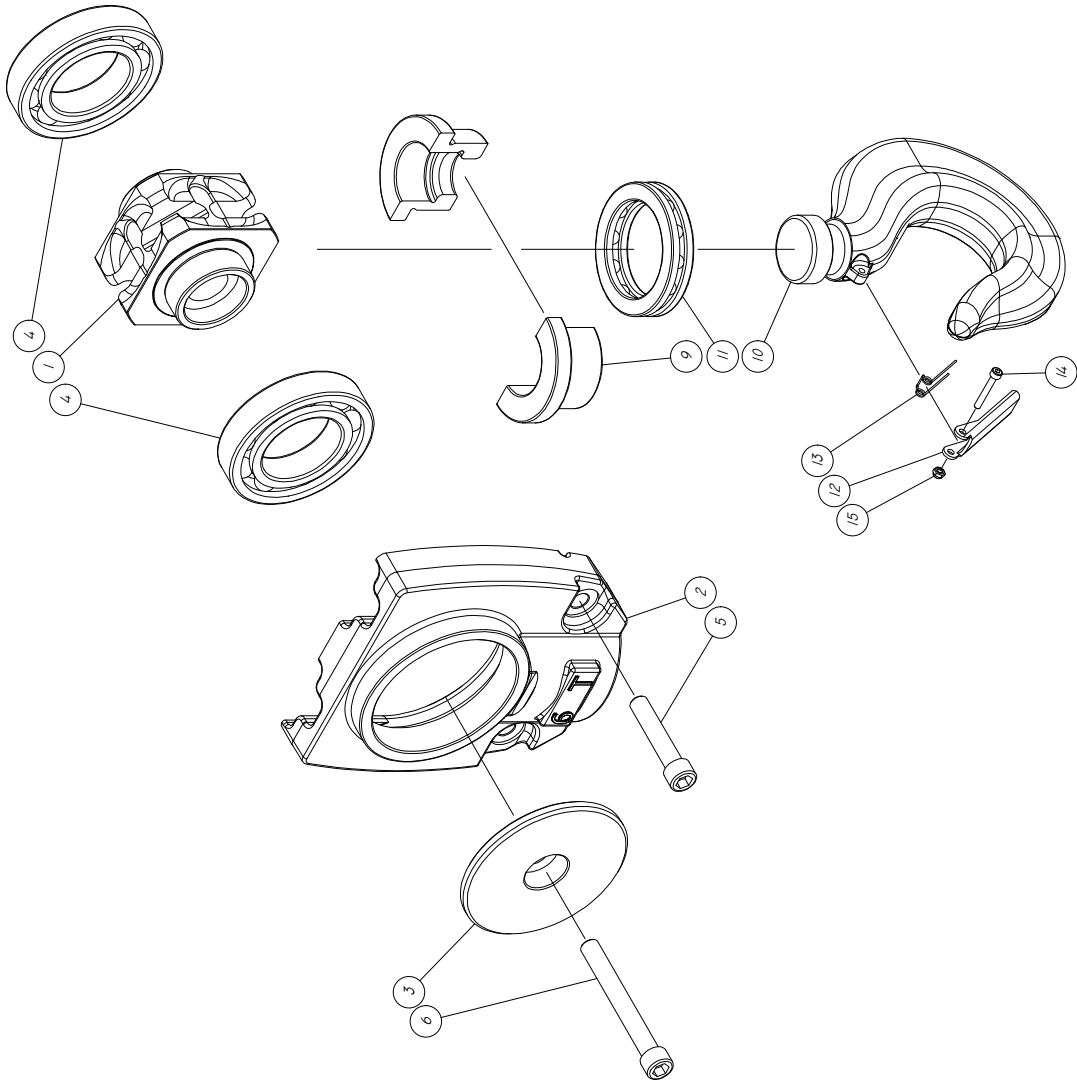
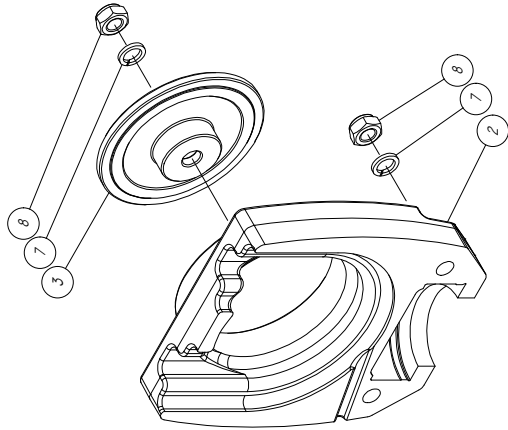
PARTS LIST					REV.
ITEM	QTY	PART NUMBER	DESCRIPTION		
1	1	425806790	MOTOR CASE		
2	1	425806150	ROTOR		
3	1	130302050	RETAINING RING S-50		
4	1	425806K08	SILENCER M CP		
5	1	425806180	REAR PLATE		
6	1	425806170	FRONT PLATE		
7	8	137102033	VANE		
8	1	130605020	SPRING PIN 5x20		
9	1	425806160	CYLINDER		
10	8	130802235	LIFT SPRING		
11	1	425806J60	LIMIT RETAINER B		
12	1	426307250	SPRING SEAT		
13	1	130802226	SPRING 13x67x2		
14	1	425806J40	LIMIT SPOOL		
15	1	425806J30	LIMIT SPOOL BUSHING		
16	1	425806J50	LIMIT RETAINER F		
17	4	131103022	O-RING S-28		
18	1	131103016	O-RING S-20		
19	1	130301032	RETAINING RING H-32		
20	1	132306050	HEX SOCKET HEAD CAP SCREW M6x50		
21	1	134403106	HEX NUT M6		
22	1	136102172	MOTOR GASKET		
23	1	131246003	DUST SEAL OS22294		
24	2	130132116	NEEDLE BEARING TA2215Z		
25	1	425806J90	LIMIT WASHER		
26	2	131103029	O-RING S-36		
27	1	425806460	LIMIT SHAFT		
28	2	131103021	O-RING S-26		
29	1	425806440	LIMIT SHAFT BUSHING		
30	1	425806140	LIMIT LEVER		
31	2	130103005	BEARING 605ZZ		
32	2	425806120	ROLLER SHAFT		
33	4	130303004	RETAINING RING E-4		
34	1	130702125	SPLIT PIN 2.5x25		
35	1	130301040	RETAINING RING H-40		
36	1	425806J70	LIMIT PLUG		
37	1	131103003	O-RING S-5		
38	2	130605010	SPRING PIN 5x10		
39	1	130603005	SPRING PIN 3x5		
40	2	130104011	BEARING 6010		
SCALE		MATERIAL		TITLE OF PART	
NTS		AIR MOTOR			
DESIGNED BY	SURNAME	DATE	SIGNATURE	DATE	
	O. MORGAN	09/10/2020		26/04/2021	
DRAWN BY	O. MORGAN	26/04/2021			
CHECKED BY	W. MORRISON	27/04/2021			
APPROVED BY	B. AITKEN	28/04/2021			
SHEET SIZE	TITLE OF PROJECT				
A4	 RED ROOSTER LIFTING SALTA HOUSE, THE PEACOCKS CLONMELDA, ABERDEENSHIRE, AB51 4EZ TEL: 01463451870 FAX: 01463451870 WWW.REDROOSTERLIFTING.COM				
		DATE		26/04/2021	
		REVISION	WEIGHT		
		0	24.0 KG		
		REPLACES DRAWING			
		-			
		PROFILE NUMBER			
		-			
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS					
TOLERANCES					
LINEAR					
UP TO 5 ±0.05					
OVER 5 UP TO 30 ±0.1					
OVER 30 UP TO 100 ±0.12					
OVER 100 UP TO 500 ±0.25					
OVER 500 UP TO 1000 ±0.5					
OVER 1000 ±1					
ANGULAR ±0.5°					
SURFACE ROUGHNESS $\sqrt{R_a}$					
IF IN DOUBT ASK					

REVISION HISTORY		
REV.	DATE	APPROVED
0	19/11/2020	B. AITKEN

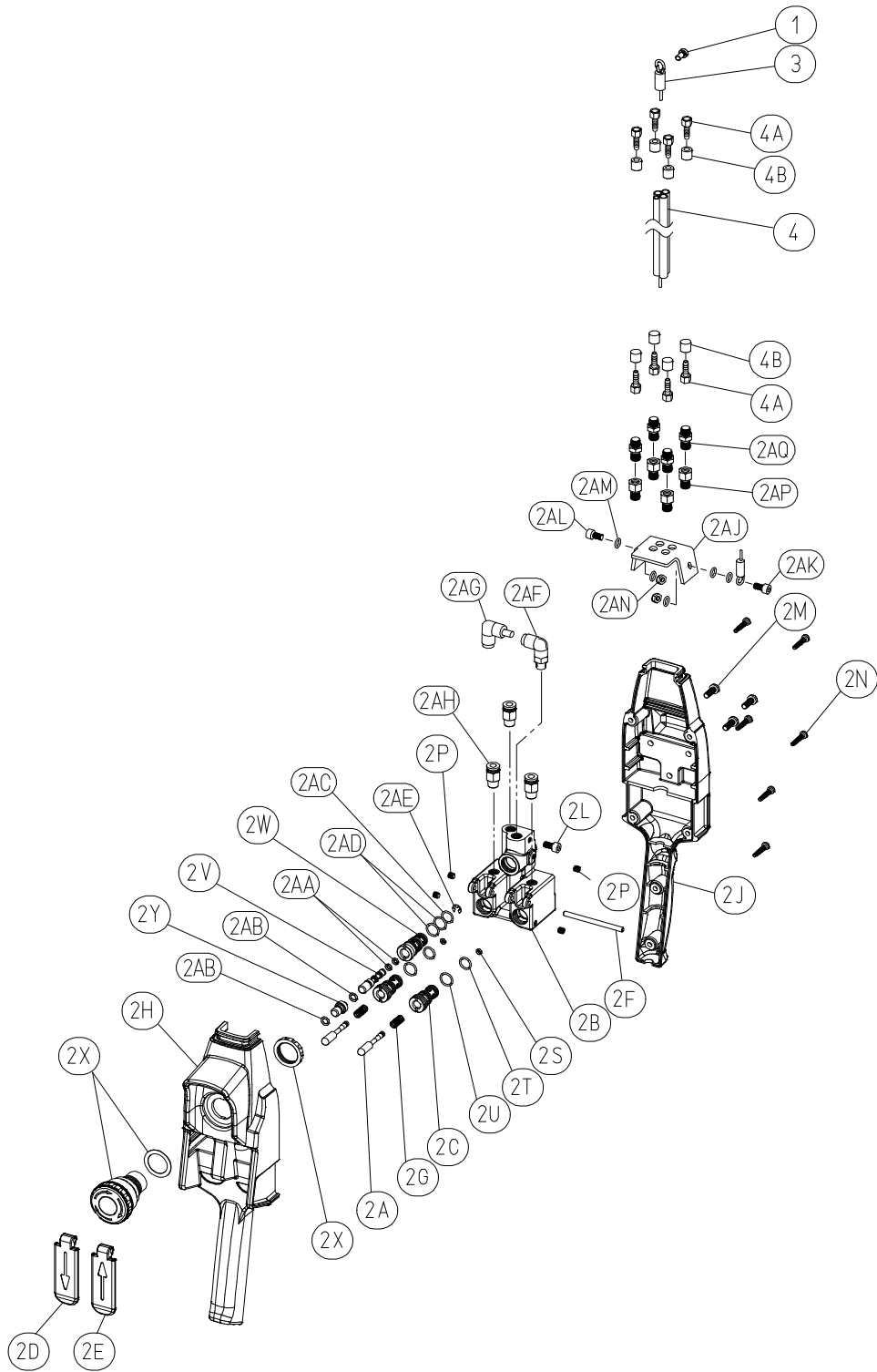


PARTS LIST					REV.	
ITEM	QTY	PART NUMBER	DESCRIPTION			
1	1	425806060	VALVE BODY			
2	2	425806A30	BUSH CAP			
3	2	13103016	O-RING S-20			
4	1	425806F00	VALVE BUSHING (D)			
5	4	130603005	SPRING PIN 3x5			
6	4	13103024	O-RING S-30			
7	2	130802227	SPRING 11.4x0.6x1.4			
8	2	425806J80	THROTTLE VALVE			
9	2	13103026	O-RING ASS68-115			
10	2	13103026	O-RING ASS68-115 (HS90)			
11	4	13103026	O-RING S-32			
12	4	13103026	O-RING S-7			
13	1	425806E90	VALVE BUSHING (U)			
14	2	130301036	RETAINING RING H-36			
15	2	425806C60	PISTON			
16	2	130802228	SPRING 26x32x2.6			
17	2	425806C70	SPRING SEAT			
18	2	130302012	RETAINING RING S-12			
19	2	425806A40	VALVE CAP			
20	2	130206001	BEARING 108x80x7			
21	2	130301040	RETAINING RING H-40			
22	2	137402055	SILENCER (SS)			
23	1	137402057	SILENCER (F)			
24	2	137402056	SILENCER (SL)			
25	1	425806B80	EXHAUST FLATE			
26	5	131905010	HEX SOCKET BUTON HEAD SCREW M5X10			
27	1	136102171	VALVE GASKET			
28	2	137060006	HEX SOCKET SET SCREW M6X16			
29	8	130303019	HEX SOCKET SET SCREW M5X5			
30	1	425806D70	UNDER COVER			
31	1	425806C70	MAIN CUT BUSHING			
32	1	131030293	O-RING S-20			
33	3	131030150	O-RING ASS68-030			
34	1	136102173	MAIN CUT SEAT			
35	1	425806H00	MAIN CUT HOLDER			
36	1	137060308	HEX SOCKET HEAD CAP SCREW M6X8			
37	1	425806G80	MAIN CUT VALVE			
38	2	131030220	O-RING S-25			
39	1	131030228	O-RING S-35			
40	1	425806G90	MAIN CUT CAP			
41	1	131030271	O-RING S-26			
42	1	130301047	RETAINING RING H-47			
43	1	131030154	O-RING ASS68-134			
44	1	425806G68	INLET BUSHIN CP			
45	1	134902011	HEX SOCKET HEAD PLUG PT3/4			
46	2	132050522	HEX SOCKET SET SCREW M5X22			
47	2	134403205	HEX NUT M5			
48	2	130605010	SPRING PIN 5x10			
49	4	131060025	HEX SOCKET HEAD CAP SCREW M6X25			
50	1	137402060	PILOT SILENCER			
51	4	132905206	CROSS-RECESSED HEAD SCREW M5X6			
52	1	131060065	HEX SOCKET HEAD CAP SCREW M6X65			
53	3	131060050	HEX SOCKET HEAD CAP SCREW M6X50			
SCALE MATERIAL TITLE OF PART					PART NUMBER	
NTS					TMH-10 CV	
DESIGNED BY O. MORGAN					1 / 1	
DRAWN BY O. MORGAN					DATE 19/11/2020	
CHECKED BY W. MORRISON					REVISION WEIGHT	
APPROVED BY B. AITKEN					0 13.1 KG	
SHEET SIZE A3					REPLACES DRAWING	
					- -	
					PROFILE NUMBER	
					- -	
					UNLESS OTHERWISE SPECIFIED	
					ALL DIMENSIONS IN MILLIMETERS	
					TOLERANCES	
					LINEAR	
					UP TO 30 ±0.05	
					OVER 30 ±0.1	
					OVER 50 ±0.15	
					OVER 100 ±0.2	
					OVER 200 ±0.3	
					OVER 300 ±0.4	
					ANGULAR ±0.5°	
					SURFACE ROUGHNESS	
					IF IN DOUBT ASK	

REVISION HISTORY		
REV.	DATE	APPROVED
0	05/05/2021	W. MORRISON



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	425810F70	FREE CHAIN WHEEL
2	2	425810R00	UNDER HOOK HOLDER
3	2	420890CH0	UNDER HOOK METAL COVER
4	2	130109012	BEARING 6211Z2
5	2	131712060	HEX SOCKET HEAD CAP SCREW M12x60
6	1	131712100	HEX SOCKET HEAD CAP SCREW M12x100
7	3	131301012	SPRING WASHER M12
8	3	134510102	U NUT M12
9	2	425810710	THRUST RING
10	1	425810E60	HOOK
11	1	DIN 711 SKF - SKF 51112	THRUST BEARING 51112
12	1	420890P11	HOOK SAFETY CLAW
13	1	130802046	HOOK SPRING
14	1	131704028	HEX SOCKET HEAD CAP SCREW M12x8
15	1	134510104	U NUT M12
TITLE OF PART			PART NUMBER
SCALE			TMH-6000-BB
NTS			1 / 1
DESIGNED BY	SURNAME	DATE	DATE
DRAWN BY	O. MORGAN	24/03/2021	01/04/2021
CHECKED BY	O. MORGAN	01/04/2021	REVISION WEIGHT
APPROVED BY	W. MORRISON	05/04/2021	0 18.8 KG
SHEET SIZE	B. AITKEN	06/04/2021	REPLACES DRAWING
A3			-
TITLE OF PROJECT			PROFILE NUMBER
			-
BOTTOM BLOCK			
			
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS TOLERANCES LINEAR OVER 30 UP TO 100 ±0.1 OVER 100 UP TO 300 ±0.2 OVER 300 UP TO 500 ±0.3 OVER 500 UP TO 1000 ±0.5 ANGULAR ±0.5° SURFACE ROUGHNESS Ra IF IN DOUBT ASK			

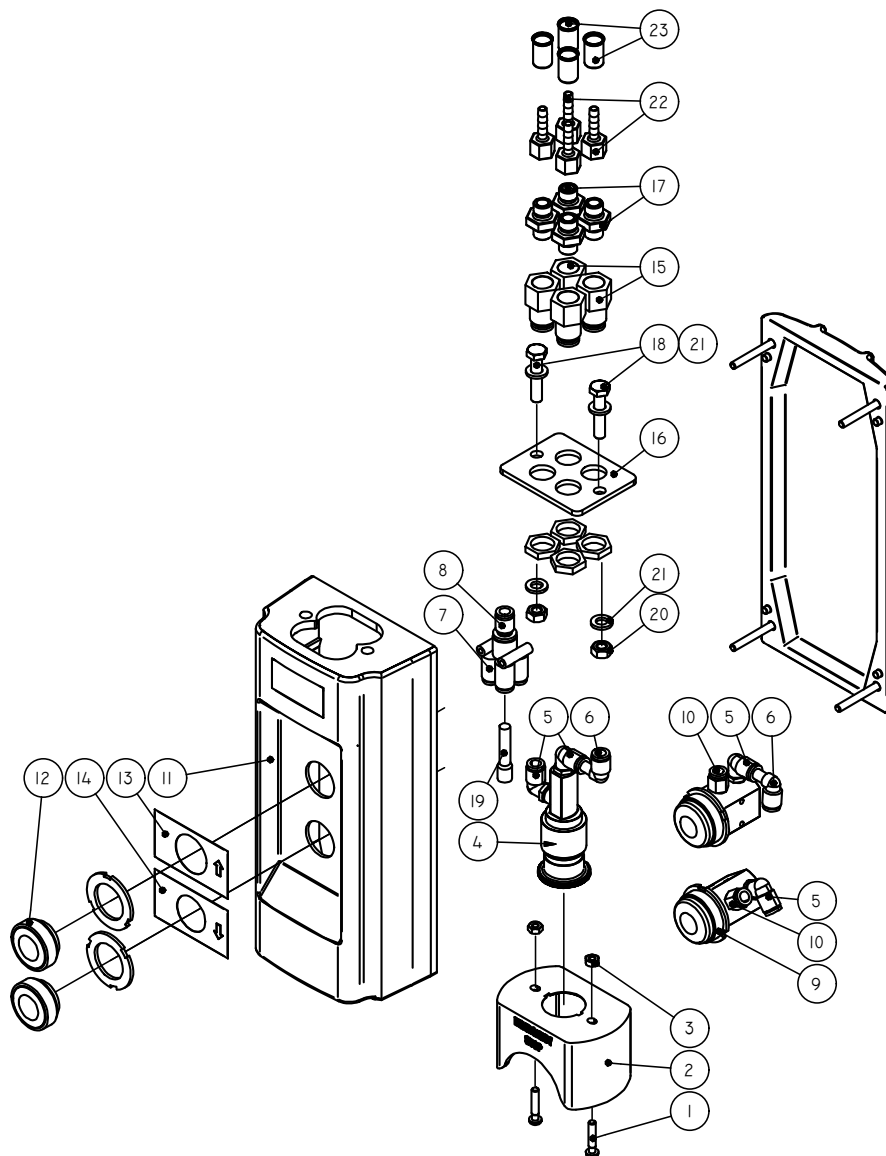




RED ROOSTER LIFTING

Pendant - VRD-2R

Fig. No.	Part Number	Part Name	Parts Per Hoist
1	131705008	HEX. SOCKET HEAD CAP SCREW M5X8	1
2	420228VRD	PENDANT VALVE ASSEMBLY	1
2A	420218VB0	THROTTLE VALVE	2
2B	420228VR0	VALVE BODY	1
2C	420218VF0	BUSHING	2
2D	420223W40	LEVER D	1
2E	420223W30	LEVER U	1
2F	130402053	LEVER PIN	1
2G	130802220	SPRING 6X14X0.6	2
2H	420228W50	FRONT CASE	1
2J	420228W60	REAR CASE	1
2L	131705010	HEX. SOCKET HEAD CAP SCREW M5X10	1
2M	132405014	PHILLIPS PAN HEAD MACHINE SCREW M5X14	3
2N	132904220	PHILLIPS PAN HEAD SELF-TAPPING SCREW 4X20	6
2P	132105005	HEX. SOCKET SET SCREW M5X5	4
2S	131109001	O-RING S-3 (HS90)	2
2T	131103008	O-RING S-10	2
2U	131103009	O-RING S-11.2	2
2V	420224V61	EMERGENCY STOP VALVE	1
2W	420228V50	EMERGENCY STOP BUSHING	1
2X	136690503	EMERGENCY STOP BUTTON	1
2Y	420228W00	PUSH ROD	1
2AA	131103002	O-RING S-5	2
2AB	131103004	O-RING S-6	2
2AC	131103008	O-RING S-10	1
2AD	131103009	O-RING S-11.2	2
2AE	130303004	RETAINING RING E-4	1
2AF	304P	1/8 BSP TO 6MM PUSH FIT ELBOW	1
2AG	P118	6MM PLUG IN ELBOW	1
2AH	P087	1/8 BSP TO 6MM PUSH FIT	3
2AJ	DRG-SI10394-T2	2 STATION PENDANT BRACKET	1
2AK	113/1	HEX. SOCKET HEAD CAP SCREW M6X16	1
2AL	113P	HEX. SOCKET HEAD CAP SCREW M6X20	1
2AM	145P	FLAT WASHER M6	5
2AN	139P	NYLOC NUT M6	2
2AP	P245	6MM TO 1/8 BSP BULKHEAD ADAPTOR	4
2AQ	P071/1	1/8 BSP HEX NIPPLE C/W 60° CONE	4
3	426230F1B	STRAINER WIRE	1
4	1/4-HOSE	1/4 ANTI-STATIC RUBBER HOSE	4
4A	P016/1	1/8 BSP TO 1/8 HOSETAIL SWIVEL	8
4B	P002/1	1/4 HOSE FERRULE	8



Pendant - VTP2M

Fig. No.	Part Number	Part Name	Parts Per Hoist
1	105P	M4 X 20 CHEESE HEAD SCREW	2
2	E/STOP/GUARD01	YELLOW E-STOP GUARD	1
3	113/1P	M4 NYLOCK NUT	2
4	BIK3206P-BS54	EMERGENCY STOP BUTTON	1
5	304P	8mm TO 6mm BANJO	4
6	P118	90° ELBOW 6mm	2
7	P112	4 WAY JUNCTION	1
8	301P	8mm TO 6mm REDUCER	1
9	BIK-3209-P-VALVE	PENDANT VALVE	2
10	P087	1/8" TO 6mm PUSHFIT	2
11	TP/HOUS/M	2 STATION MACHINED PENDANT	1
12	BIK-3209-294-B-COVER	COVER FOR BIK VALVES	2
13	XAC-B-LEGEND-UP	UP LEGEND	1
14	XAC-B-LEGEND-DOWN	DOWN LEGEND	1
15	P245	1/8" TO 6mm BULKHEAD AND NUT	4
16	DRG 2652-01	PLATE	1
17	P071/1	1/8" BSP NIPPLE C/W CONE	4
18	112P	M6 x 20 HEX BOLT	2
19	P117	8mm BLANKING PLUG	1
20	139P	M6 NYLOCK NUT	2
21	145P	M6 WASHER	2
22	P016/1	1/8" BSP SWIVEL TO 1/4" HOSE TAIL	4
23	P002/1	1/4" HOSE FURRULE	4