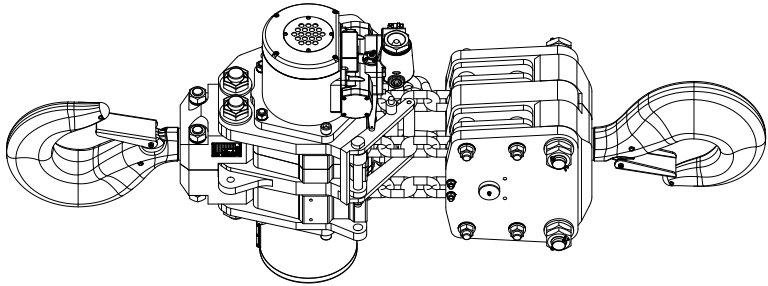
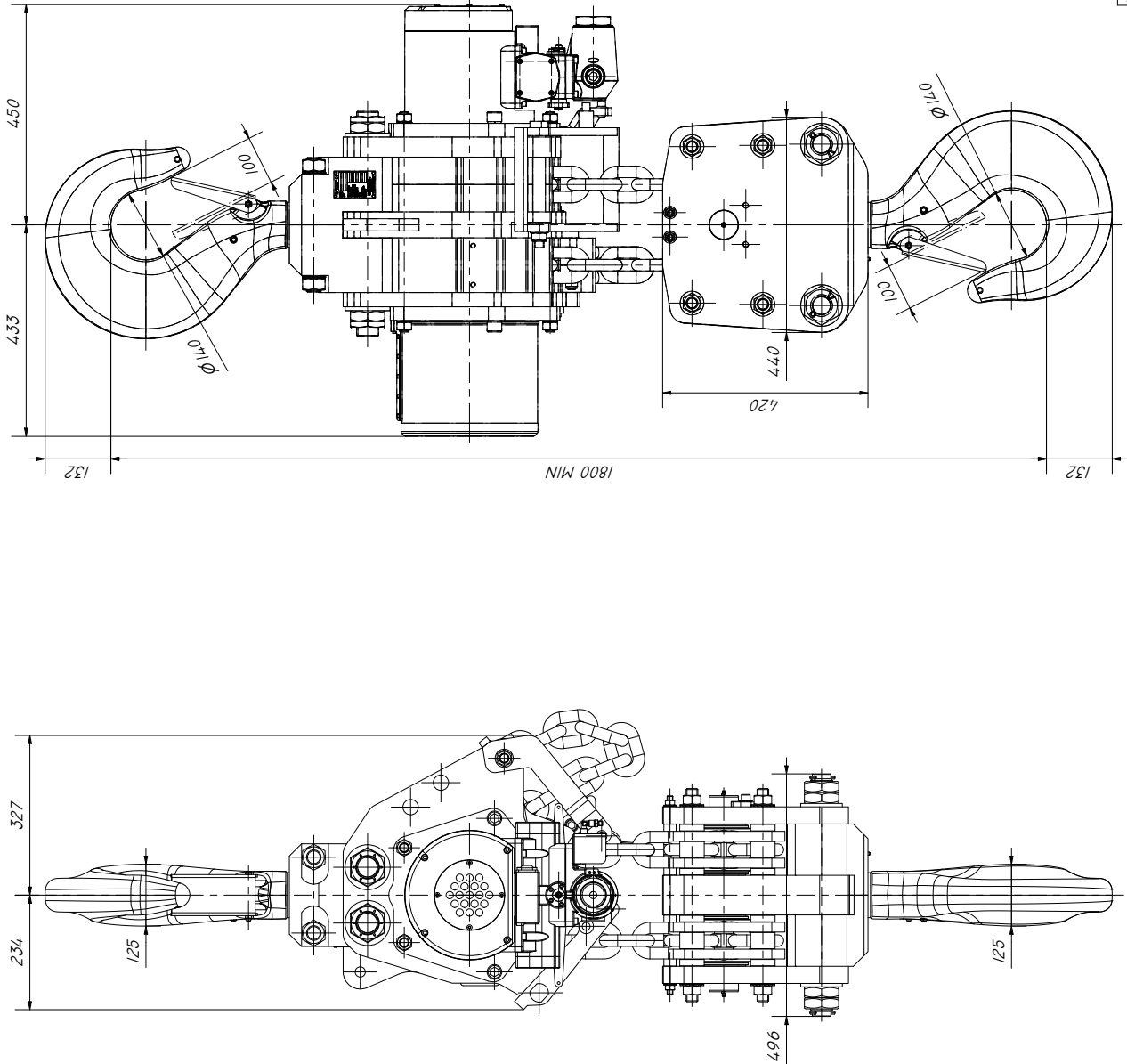
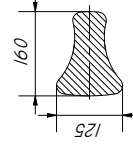
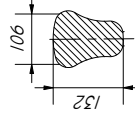
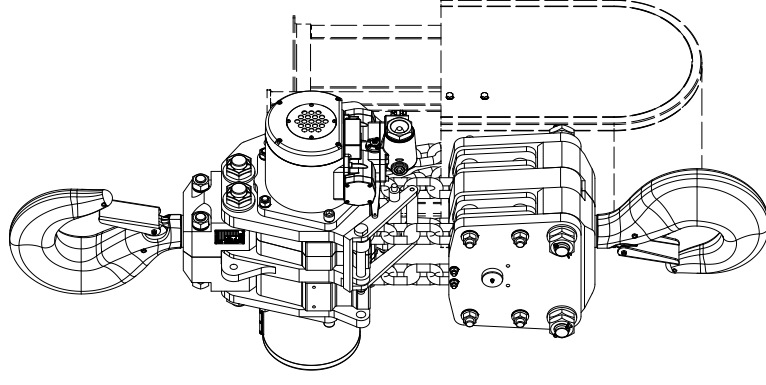
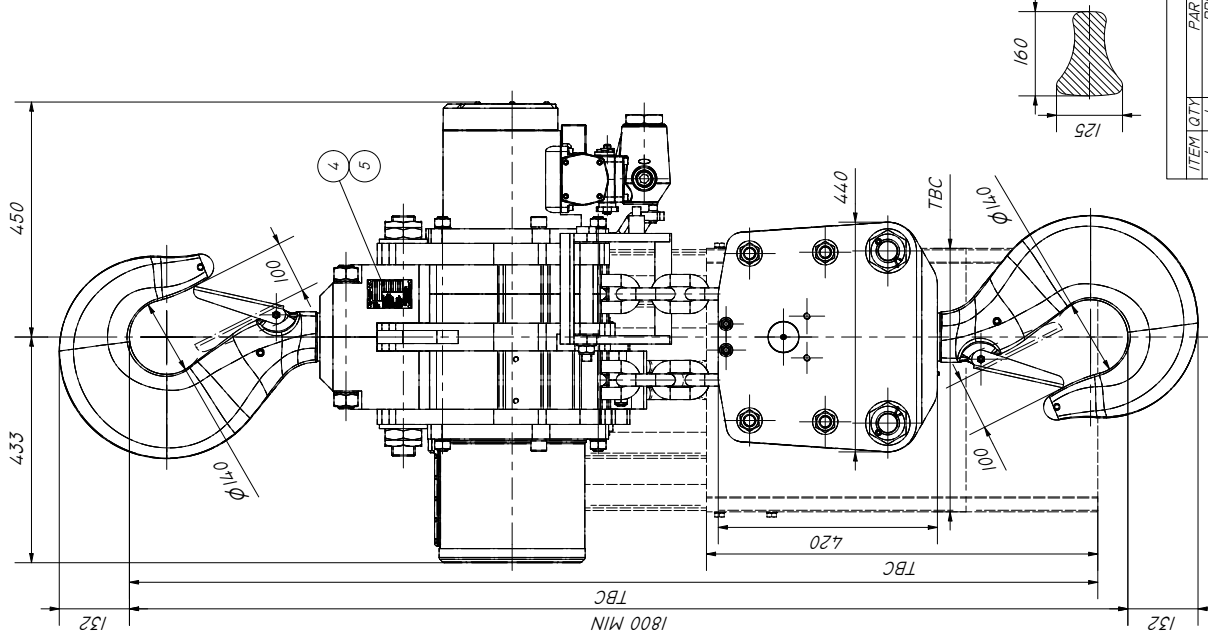
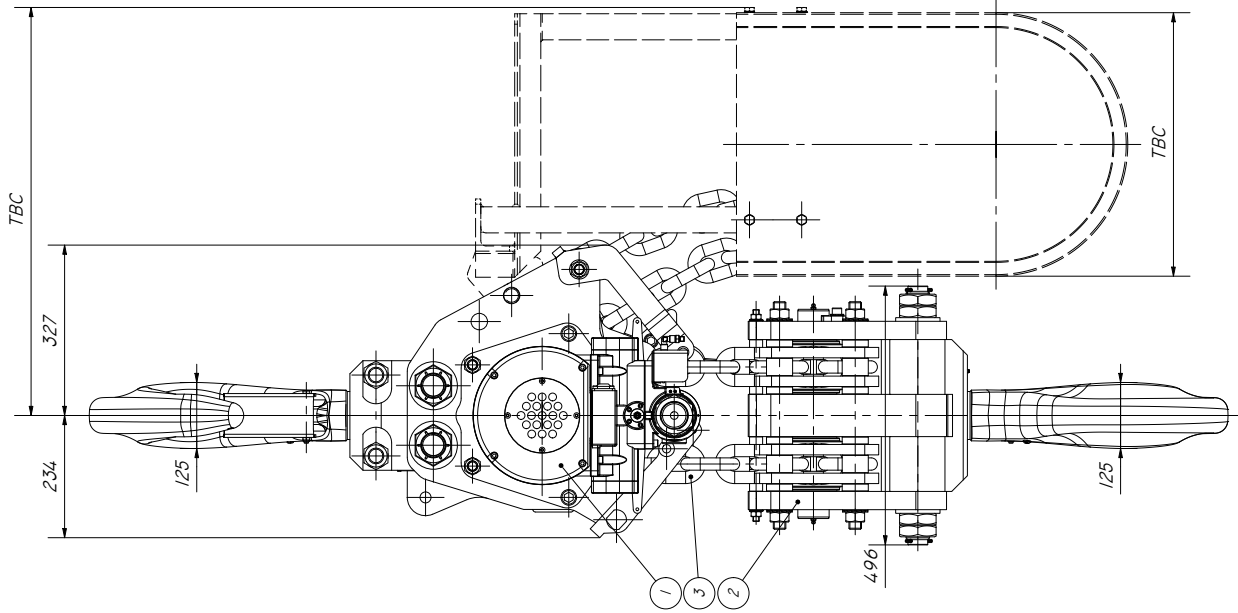


REVISION HISTORY		
REV.	DATE	APPROVED
0	01/07/2024	PAUL SHEWAN

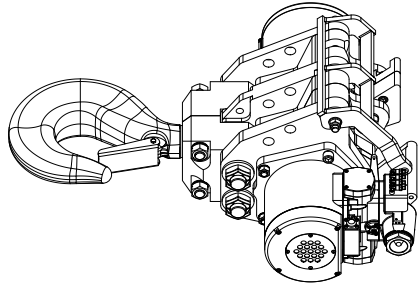


SCALE		MATERIAL		TITLE OF PART		GENERAL ASSEMBLY		PART NUMBER	
NTS		(SEE EXPLANATION)		DATE		DATE		RRL 1596-00	
DESIGNED BY	R. TYMOREK	SIGNATURE	DATE	14/05/2024		14/05/2024		1 / 2	
DRAWN BY	R. TYMOREK	SIGNATURE	DATE	14/05/2024		14/05/2024		UNLESS OTHERWISE SPECIFIED	
CHECKED BY	T. MIKOLAJEWSKI	SIGNATURE	DATE	16/05/2024		16/05/2024		ALL DIMENSIONS IN MILLIMETERS	
APPROVED BY	P. SHEWAN	SIGNATURE	DATE	16/05/2024		16/05/2024		TOLERANCES	
SHEET SIZE		TITLE OF PROJECT		TMH60 - 60T 4F AH		REPLACES DRAWING		LINEAR	
A3		PROFILE NUMBER		-		-		ANGULAR	
								SURFACE ROUGHNESS	
								IF IN DOUBT ASK	



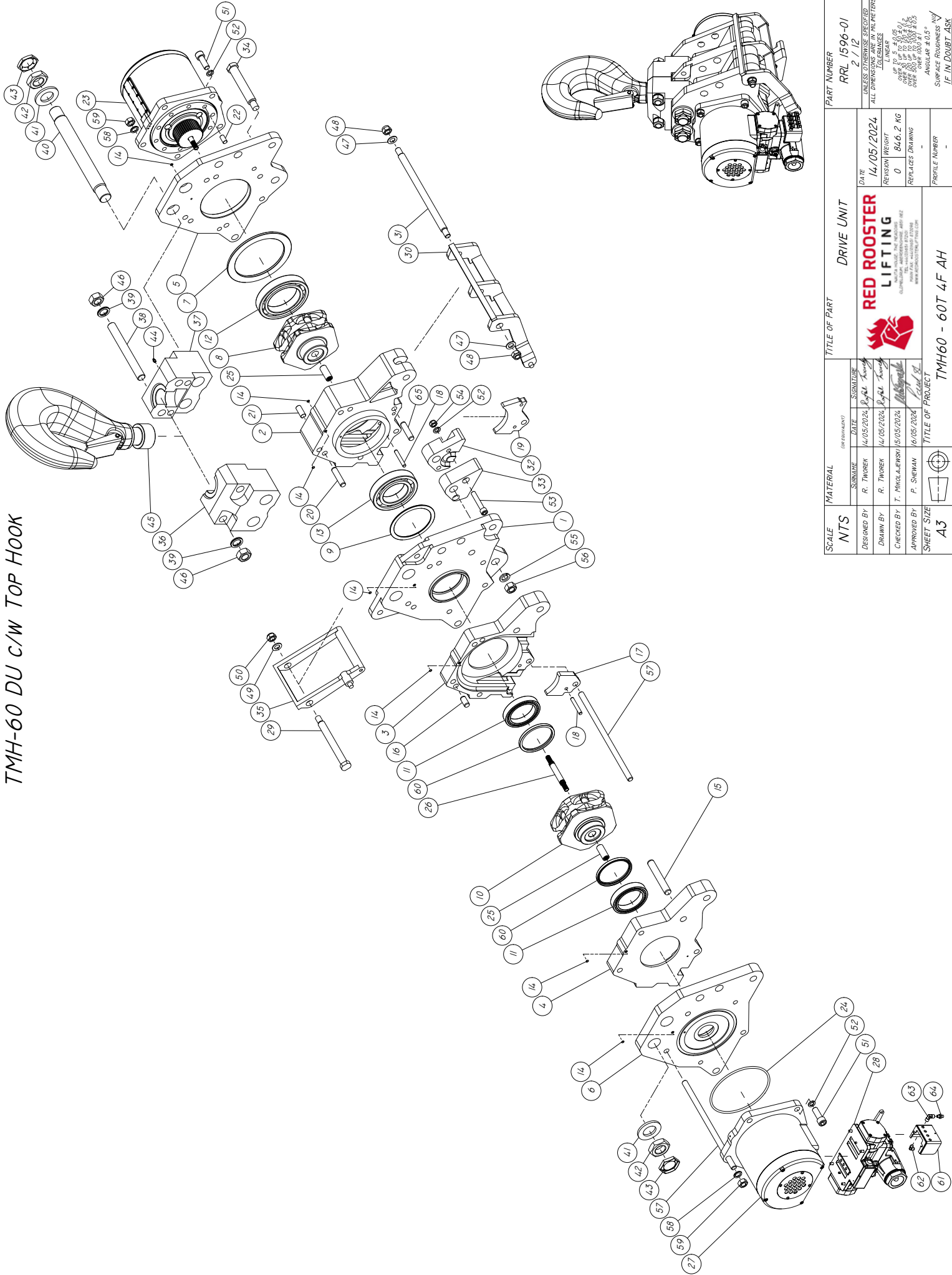
PARTS LIST				PART NUMBER		DESCRIPTION		REV.	
1	1	RRL 1596-01	DRIVE UNIT	0				0	
2	1	RRL 1595-02	BOTTOM BLOCK	1				1	
3	1	23.5 X 66 CHAIN	HOIST CHAIN						
4	1	HDP-02	PLATE 9 - 55X85					0	
5	4	DIN 7337 - A3 x 6	BLIND RIVET						
SCALE		MATERIAL		TITLE OF PART		PART NUMBER			
NTS		(80% MINIMUM)		GENERAL ASSEMBLY		RRL 1596-00		2 / 2	
DESIGNED BY	SIGNATURE	DATE	SIGNATURE	DATE		ALL DIMENSIONS ARE IN MILLIMETERS			
R. THOREK		14/05/2024		14/05/2024		UNLESS OTHERWISE SPECIFIED			
DRAWN BY	R. THOREK	14/05/2024 <th><td colspan="2">14/05/2024</td><td colspan="4">LINEAR</td></th>	 <td colspan="2">14/05/2024</td> <td colspan="4">LINEAR</td>	14/05/2024		LINEAR			
CHECKED BY	T. MIKOLAJEWSKI	15/05/2024		15/05/2024		UP TO 5 ±0.05 OVER 5 TO 10 ±0.1 OVER 10 TO 20 ±0.15 OVER 20 TO 40 ±0.2 OVER 40 TO 100 ±0.3 OVER 100 TO 200 ±0.5			
APPROVED BY	P. SIEMAN	16/05/2024		16/05/2024		ANGULAR ±0.5°			
SHEET SIZE	A3	TITLE OF PROJECT		TMH60 - 60T 4F 4H		SURFACE ROUGHNESS			
						IF IN DOUBT ASK			

REVISION HISTORY		
REV.	DATE	APPROVED
0	01/07/2024	PAUL SHEWAN



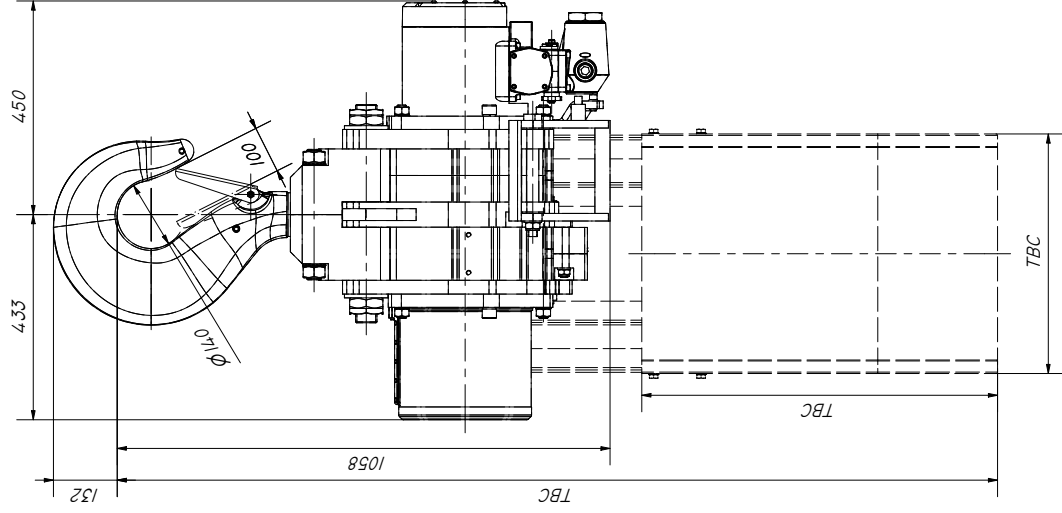
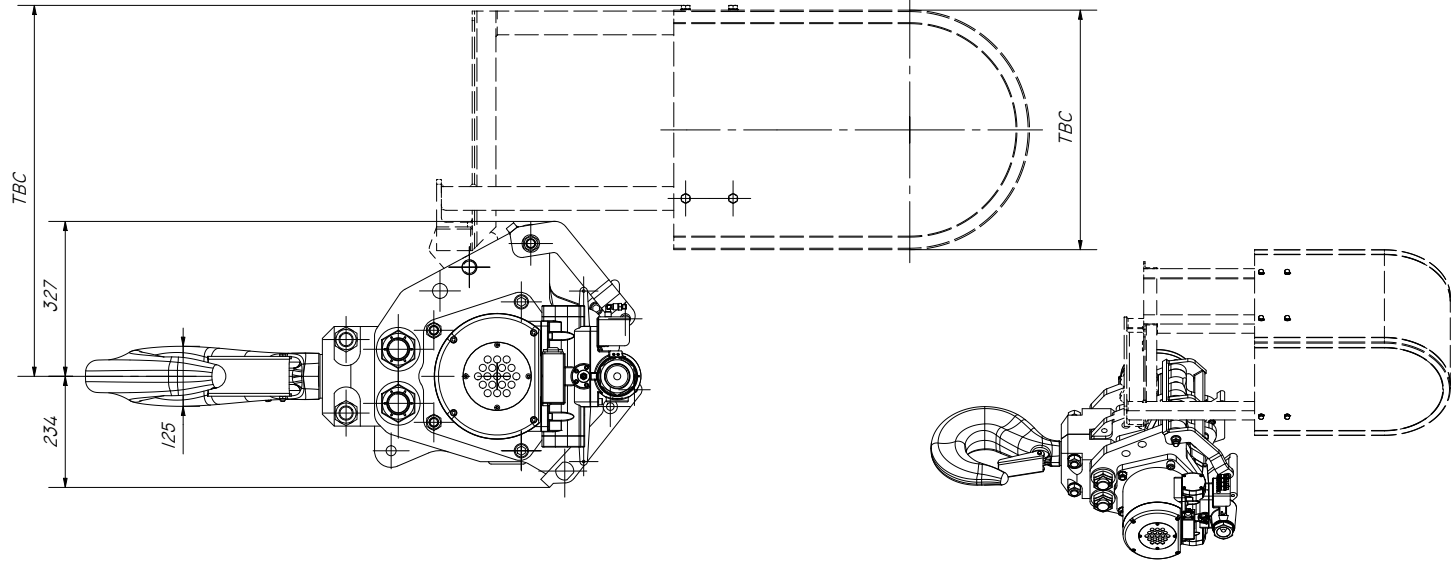
ITEM QTY		PART NUMBER	DESCRIPTION	REV.
TMH-60 DU C/W TOP HOOK - PARTS LIST				
1	1	RRL 1595-05	MIDDLE PLATE	0
2	1	RRL 1595-15	CHANGE GUIDE	0
3	1	RRL 1595-06	MID SECTION L	0
4	1	RRL 1595-07	MID SECTION R	0
5	1	RRL 1595-07	GEAR BOX PLATE	0
6	1	RRL 1595-08	ROTOR PLATE	0
7	1	RRL 1595-08	CHAIN GUIDE COVER	0
8	1	4258U430	LOAD SPACER	0
9	1	RRL 1595-33	BEARING SPACER	0
10	1	RRL PM23-566-01	IDLER WHEEL (23.5V60MM CHAIN) - OUTER BEARINGS	0
11	2	NCF 2920 CV	CYLINDRICAL ROLLER BEARING 100X40X24	0
12	1	DIN 625 SKF - SKF 6026	SINGLE ROW BALL BEARINGS SKF	0
13	1	DIN 625 SKF - SKF 6220	SINGLE ROW BALL BEARINGS SKF	0
14	2	13103006	O-RING S-8	0
15	1	ISO 2338 - 25 M6 x 160	PARALLEL PIN	0
16	3	ISO 2338 - 20 M6 x 40	PARALLEL PIN	0
17	1	RRL 1595-16	CHAIN SEPARATOR	0
18	3	150406080	PARALLEL PIN AL2X60 H7	0
19	1	4258U4360	CHAIN SEPARATOR	0
20	3	ISO 2338 - 20 M6 x 85	PARALLEL PIN	0
21	4	426305L61	KNOCK PIN	0
22	10	4258U4660	KNOCK PIN (16)	0
23	1	TMH-30 GB	GEAR BOX	0
24	1	131117447	O-RING AS568-44.7	0
25	2	425806200	COUPLING	0
26	1	RRL 1595-35	TRANSFER SHAFT	0
27	1	TMH-28 AM	AIR MOTOR	0
28	1	TMH-30 CV	CONTROL VALVE	0
29	1	4258U4N30	SET PIN	0
30	1	RRL 1595-03	LIMIT LEVER	0
31	1	RRL 1595-17	LIMIT LEVER PIN	0
32	1	RRL 1595-18	CHAIN ANCHOR R	0
33	1	RRL 1595-19	CHAIN ANCHOR L	0
34	1	4258U4K60	CHAIN SET PIN	0
35	1	4258U4N0	LIMIT LEVER U	0
36	1	RRL 1595-20	HOOK BLOCK	0
37	1	RRL 1595-21	HOOK BLOCK	0
38	2	RRL 1595-22	HOOK TIE BAR	0
39	4	NL30	M30 NORDLOCK WASHER GLUED PAIR	0
40	2	RRL 1595-23	HOOK LOAD BAR	0
41	4	DIN 125 - A 52	WASHER	0
42	4	ISO 4035 - M3	HEX NUT	0
43	4	DIN 1967 M4.5	M4.5 SELF-LOCKING NUT	0
44	1	DIN 71412 - A18 x 1 CONED SHORT	LUBRICATING NIPPLE, CONED TYPE A	0
45	1	RRL 1595-36	HOOK	0
46	4	DIN 194 - M30	HEX NUT	0
47	4	DIN 195 - A 61	WASHER	0
48	2	DIN 935 - M60	HEX NUT	0
49	1	13107020	WASHER M20	0
50	1	91450020	LIMIT M20	0
51	4	91470055	HEX SOCKET HEAD CAP SCREW M20X55	0
52	4	13101016	HEX SOCKET HEAD CAP SCREW M16	0
53	2	13107090	SPRING WASHER M16	0
54	2	13150016	HEX SOCKET HEAD CAP SCREW M16X90	0
55	4	13101024	LIMIT M16	0
56	1	134401024	SPRING WASHER M24	0
57	3	RRL 1595-34	HEX NUT M24	0
58	6	NL20	M20 THREADED ROD	0
59	6	DIN 934 - M20	HEX NUT	0
60	2	DIN 3760 - A - 120 x 140 x 10 - NBR	M20 NORDLOCK WASHER GLUED PAIR	0
61	1	PEB-02-00	DIN 3760 120X140X10 OIL SEAL	0
62	4	KQ2L06-0INS	PENDANT BRACKET	0
63	4	FEL02NP	1/8" BSP MALE TO 6MM PUSH FIT ELBOW	0
64	4	100-020P	1/8" FEMALE ELBOW	0
65	1	ISO 2338 - 20 M6 x 80	1/8" MALE TO 1/8" MALE NIPPLE	0
SCALE	MATERIAL		PARALLEL PIN	
NTS		TITLE OF PART		PART NUMBER
NTS		DRIVE UNIT		RRL 1596-01
NTS		DATE		1 / 12
NTS		SIGNATURE		
NTS		DATE		11/05/2024
NTS		SIGNATURE		
NTS		DATE		11/05/2024
NTS		SIGNATURE		

TMH-60 DU C/W TOP HOOK



SCALE		MATERIAL		TITLE OF PART		DRIVE UNIT		PART NUMBER	
NTS		(SEE EXPLANATION)		DATE		SIGNATURE		RRL 1596-01	
DESIGNED BY		R. TYNOREK		14/05/2024				2 / 12	
DRAWN BY		R. TYNOREK		14/05/2024				UNLESS OTHERWISE SPECIFIED	
CHECKED BY		T. MIKOLAJEWSKI		16/05/2024				ALL DIMENSIONS ARE IN MILLIMETERS	
APPROVED BY		P. SIEMAN		16/05/2024				TOLERANCES	
SHEET SIZE		A3		TITLE OF PROJECT		TMH60 - 60T 4F 4H		OTHER: ±0.05 OTHER: ±0.1 OTHER: ±0.2 OTHER: ±0.3 OTHER: ±0.5 OTHER: ±0.8 OTHER: ±1.0 OTHER: ±1.5 OTHER: ±2.0 OTHER: ±3.0 OTHER: ±4.0 OTHER: ±5.0 OTHER: ±6.0 OTHER: ±8.0 OTHER: ±10.0 OTHER: ±12.5 OTHER: ±16.0 OTHER: ±20.0 OTHER: ±25.0 OTHER: ±31.5 OTHER: ±40.0 OTHER: ±50.0 OTHER: ±63.0 OTHER: ±80.0 OTHER: ±100.0 OTHER: ±125.0 OTHER: ±160.0 OTHER: ±200.0 OTHER: ±250.0 OTHER: ±315.0 OTHER: ±400.0 OTHER: ±500.0 OTHER: ±630.0 OTHER: ±800.0 OTHER: ±1000.0 OTHER: ±1250.0 OTHER: ±1600.0 OTHER: ±2000.0 OTHER: ±2500.0 OTHER: ±3150.0 OTHER: ±4000.0 OTHER: ±5000.0 OTHER: ±6300.0 OTHER: ±8000.0 OTHER: ±10000.0 OTHER: ±12500.0 OTHER: ±16000.0 OTHER: ±20000.0 OTHER: ±25000.0 OTHER: ±31500.0 OTHER: ±40000.0 OTHER: ±50000.0 OTHER: ±63000.0 OTHER: ±80000.0 OTHER: ±100000.0 OTHER: ±125000.0 OTHER: ±160000.0 OTHER: ±200000.0 OTHER: ±250000.0 OTHER: ±315000.0 OTHER: ±400000.0 OTHER: ±500000.0 OTHER: ±630000.0 OTHER: ±800000.0 OTHER: ±1000000.0 OTHER: 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TMH-60 DU C/W TOP HOOK & CHAIN COLLECTOR



THM-60 DU C/W Top Hook & Chain Collector - PARTS LIST			
ITEM QTY	PART NUMBER	DESCRIPTION	REV.
1	RRL 1595-05	MIDDLE PLATE	0
2	RRL 1595-15	CHANGE GUIDE	0
3	RRL 1595-06	MID SECTION L	0
4	RRL 1595-07	MID SECTION R	0
5	RRL 1595-04	GEAR BOX PLATE	0
6	RRL 1595-08	MOTOR PLATE	0
7	42581A1N00	CHAIN GUIDE COVER	0
8	42581A1A50	LOAD SHAVE	0
9	RRL 1595-33	BEARING SPACER	0
10	RRL PW23 566-01	ISLER WHEEL (23.566MM CHAIN) - OUTER BEARINGS	0
11	NCF 2920 CV	CYLINDRICAL ROLLER BEARING 100X40X24	0
12	DIN 625 SKF - SKF 6026	SINGLE ROW BALL BEARINGS SKF	0
13	DIN 625 SKF - SKF 6620	SINGLE ROW BALL BEARINGS SKF	0
14	ISO 13103006	O-RING S-8	0
15	ISO 2338 - 25 MG x 160	PARALLEL PIN	0
16	ISO 2338 - 20 MG x 40	PARALLEL PIN	0
17	RRL 1595-16	CHAIN SEPARATOR	0
18	ISO 2000600	CHAIN SEPARATOR	0
19	42581A1A50	PARALLEL PIN AL2480 H7	0
20	ISO 2338 - 16 MG x 85	PARALLEL PIN	0
21	42581A1A01	ANCHOR PIN	0
22	42581A0600	ANCHOR PIN	0
23	42581A1A50	ANCHOR PIN (16)	0
24	ISO 13117A155	O-RING ISO68 44.7	0
25	42581A1A00	TRANSFER SHAFT	0
26	RRL 1595-35	CONTROL VALVE	0
27	THM-25 AM	LIMIT LEVER	0
28	THM-50 CV	LIMIT LEVER PIN	0
29	42581A1A50	CHAIN ANCHOR R	0
30	RRL 1595-03	CHAIN ANCHOR L	0
31	RRL 1595-17	CHAIN SET PIN	0
32	RRL 1595-18	LIMIT LEVER U	0
33	RRL 1595-19	HOOK BLOCK	0
34	42581A1A60	HOOK TIE BAR	0
35	42581A1A10	M30 NORDLOCK WASHER GLUED PAIR	0
36	RRL 1595-20	WASHER	0
37	RRL 1595-21	HEX NUT	0
38	RRL 1595-22	HEX NUT	0
39	NL 30	HEX NUT	0
40	RRL 1595-23	WASHER M20	0
41	DIN 125 - A 32	U-NUT M20	0
42	ISO 4035 - M4.5	HEX SOCKET HEAD CAP SCREW M20X55	0
43	DIN 7967 M4.5	SPRING WASHER M16	0
44	DIN 71412 - A18 X 1 CONED SHORT	HEX SOCKET HEAD CAP SCREW M16X90	0
45	RRL 1595-36	U NUT M16	0
46	DIN 934 - M30	SPRING WASHER M24	0
47	DIN 125 - A 21	HEX NUT M24	0
48	DIN 985 - M20	M20 THREADED ROD	0
49	ISO 13107020	M20 NORDLOCK WASHER GLUED PAIR	0
50	ISO 13450020	HEX NUT	0
51	ISO 131720055	DIN 3760 120X140X10 OIL SEAL	0
52	ISO 13101016	PENDANT BRACKET	0
53	ISO 131716090	1/8" BSP MALE TO OMV PUSH FIT ELBOW	0
54	ISO 134501016	1/8" FEMALE ELBOW	0
55	ISO 131001024	1/8" MALE TO 1/8" MALE NIPPLE	0
56	ISO 134401024	PARALLEL PIN	0
57	RRL 1595-34	CHAIN COLLECTOR	0
58	NL 20	HEX NUT	0
59	DIN 934 - M20	DIN 3760 120X140X10 OIL SEAL	0
60	DIN 3760 - A * 120 x 140 x 10 - NBR	PENDANT BRACKET	0
61	PEB-02-00	1/8" BSP MALE TO OMV PUSH FIT ELBOW	0
62	ISO 134501016	1/8" FEMALE ELBOW	0
63	FEL02NP	1/8" MALE TO 1/8" MALE NIPPLE	0
64	ISO 134501016	PARALLEL PIN	0
65	ISO 2338 - 20 MG x 80	CHAIN COLLECTOR	0
71	RRL 1595-CC	CHAIN COLLECTOR	0

THM-60 DU C/W Top Hook & Chain Collector - PARTS LIST

DRIVE UNIT

TITLE OF PART

DESIGNED BY: R. THORNER

DRAWN BY: R. THORNER

CHECKED BY: T. MICALA-SHERWIN

APPROVED BY: P. SHERWIN

SHEET SIZE: A3

DATE: 14/05/2024

REVISION: 0

REPLACES: -

PROFILE NUMBER: -

DATE: 14/05/2024

REVISION: 0

REPLACES: -

PROFILE NUMBER: -

THM-60 DU C/W Top Hook & Chain Collector - PARTS LIST

DRIVE UNIT

TITLE OF PART

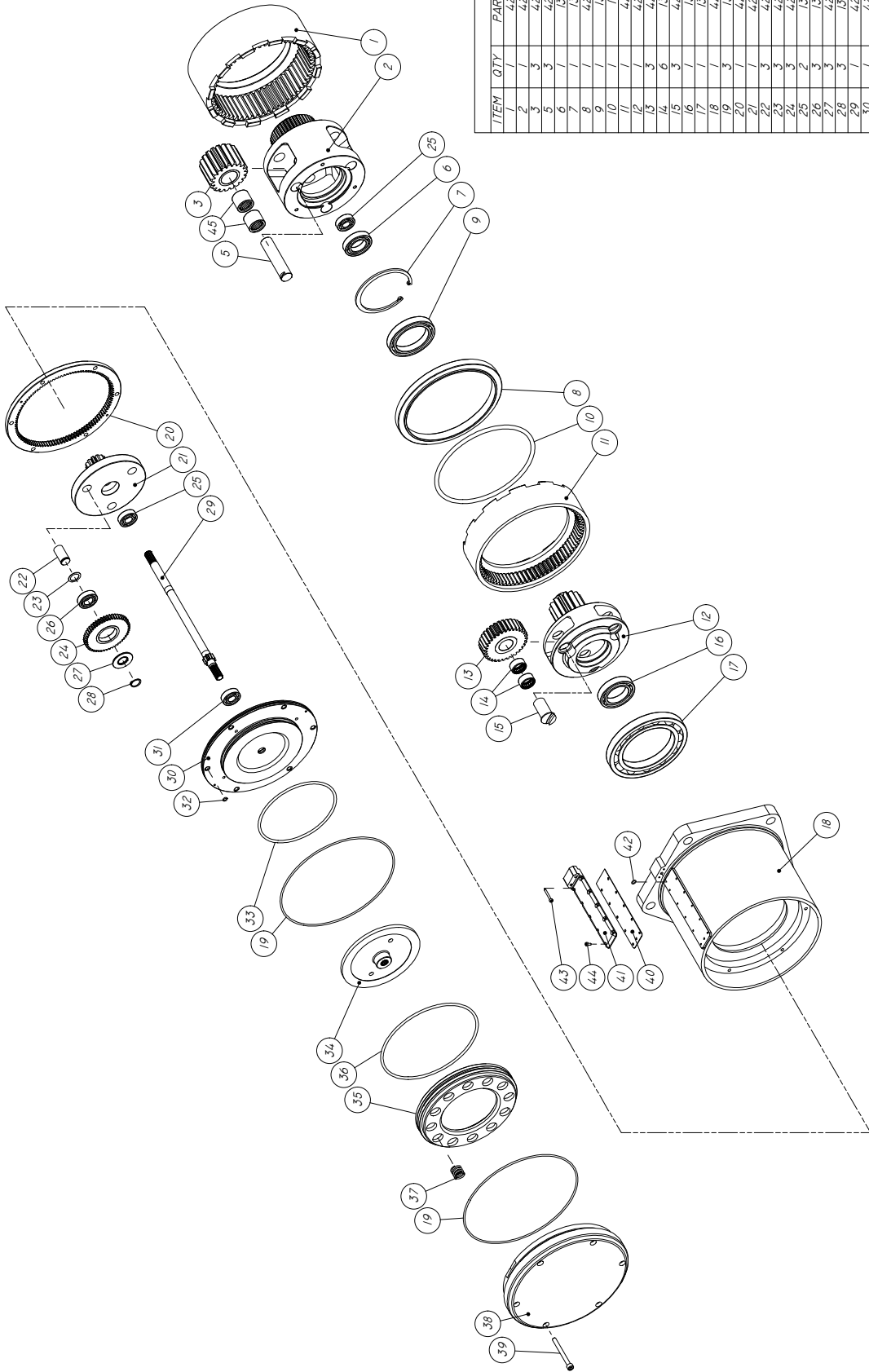
DESIGNED BY: R. THORNER

DRAWN BY: R. THORNER

CHECKED BY: T. MICALA-SHERWIN

APPROVED

REVISION HISTORY		
REV.	DATE	APPROVED
0	11/10/2022	P. SHEWAN



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	425814K50	THIRD RING GEAR
2	1	425814Z10	CAGE
3	3	425814K30	THIRD STAR GEAR
5	3	425814K20	THIRD PIN
6	1	130104008	BEARING 6007
7	1	130301125	RETAINING RING H/25
8	1	425814Z30	SPACER
9	1	13013015	BEARING 6915
10	1	13013015	O-RING P-215
11	1	425814E51	SECOND RING GEAR
12	1	425814Z20	THIRD FINION
13	3	425814E51	SECOND STAR GEAR
14	6	130132315	NEEDLE BEARING 1A2515
15	3	425814E41	SECOND PIN
16	1	130104011	BEARING 6010
17	1	130104024	BEARING 16024
18	1	425814S10	GEAR CASE
19	3	130172170	O-RING ASS68-274
20	1	425814E10	FIRST RING GEAR
21	1	425814E22	SECOND FINION
22	3	425814E60	FIRST SPACER
23	3	425814170	FIRST STAR GEAR
24	3	130107004	BEARING 6203
25	2	130104005	BEARING 6004
26	3	425814N80	FIRST THRUST COLLAR
27	3	130107020	RETAINING RING S-20
28	3	425814E10	FIRST PIN
29	1	425814E02	BRAKE BLADE
30	1	425814E04	BEARING 6203ZZ
31	1	130109104	O-RING P-9
32	6	131101007	O-RING ASS68-364
33	1	131173564	BRAKE DISC
34	1	425814L30	BRAKE PISTON
35	1	425814L00	O-RING ASS68-371
36	1	13117371	SPRING 20.5X21.9X2.9
37	12	130802229	BRAKE COVER
38	1	425814L10	HEX SOCKET HEAD CAP SCREW M8x80
39	6	131708080	GASKET C
40	1	13102176	AIR CONNECTOR
41	1	425814P10	O-RING S-8
42	1	131031016	HEX SOCKET HEAD CAP SCREW M4x30
43	2	131704030	HEX SOCKET HEAD CAP SCREW M4x8
44	10	131704008	NEEDLE BEARING RNA6904
45	6	130180904	

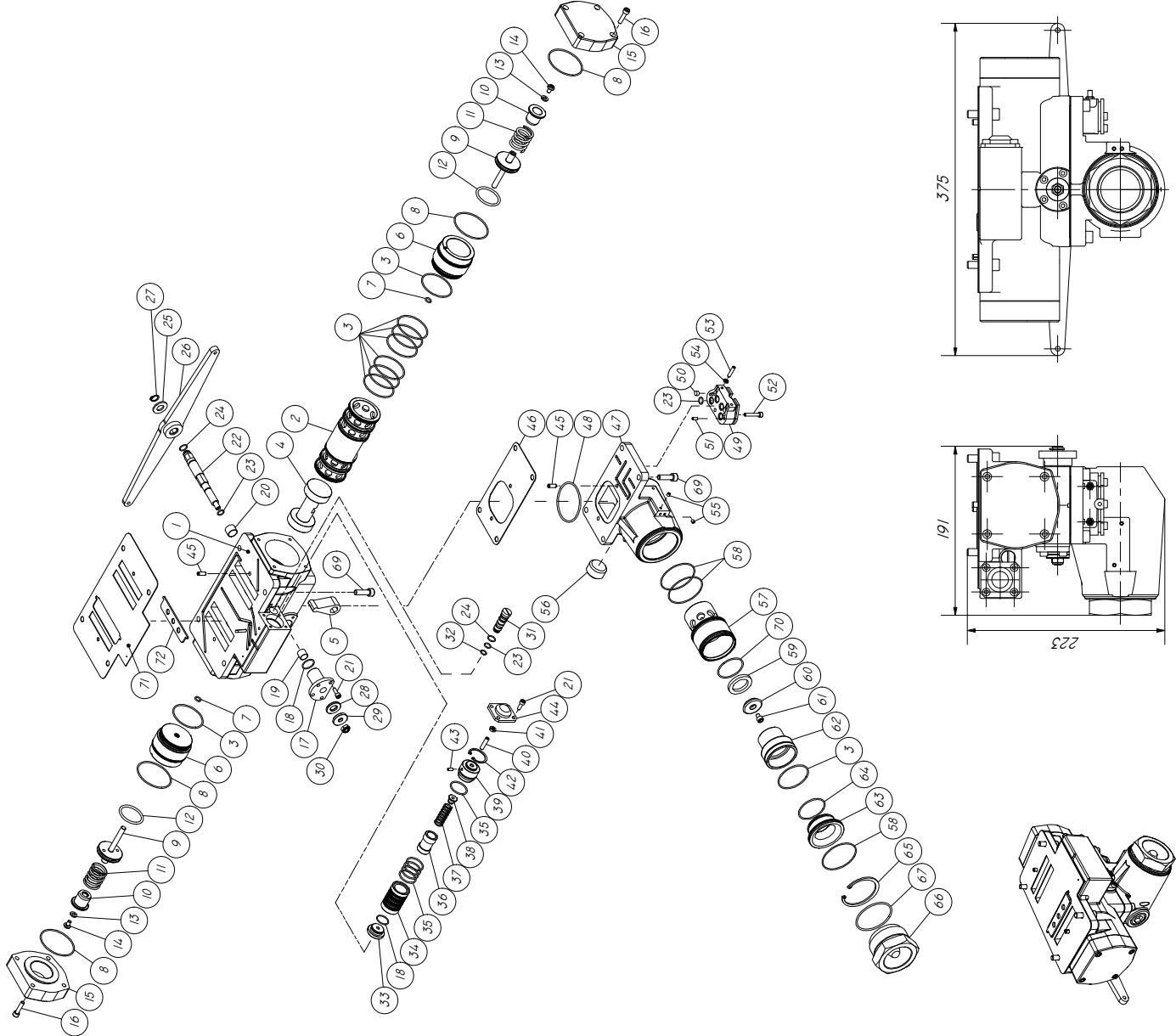
SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
NTS				TMH-30 6B		TMH-30 6B 1 / 1	
DESIGNED BY		R. THOREK		DATE		08/09/2022	
DRAWN BY		R. THOREK		REVISION		WEIGHT	
CHECKED BY		G. KRUPINSKI		0		106.7 KG	
APPROVED BY		B. AITKEN		2/09/2022		REPLACES DRAWING	
SHEET SIZE		A3		TITLE OF PROJECT		PROFILE NUMBER	
				TMH30 - 30T 2F AH		-	
				RED ROOSTER LIFTING			
				NOT LIFTING THE ROOSTER			
				CLIPPING, AIRLIFT, PULL AND ROLL			
				HOLD FIRM, AVOID SHOCK STRESS			
				DO NOT EXCEED THE 2 TON LIMIT			
				UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS			
				TOLERANCES			
				LINEAR			
				UP TO 30 ±0.05			
				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			
				IF IN DOUBT ASK			

REVISION HISTORY		
REV.	DATE	APPROVED
0	11/10/2022	P. SHEWAN

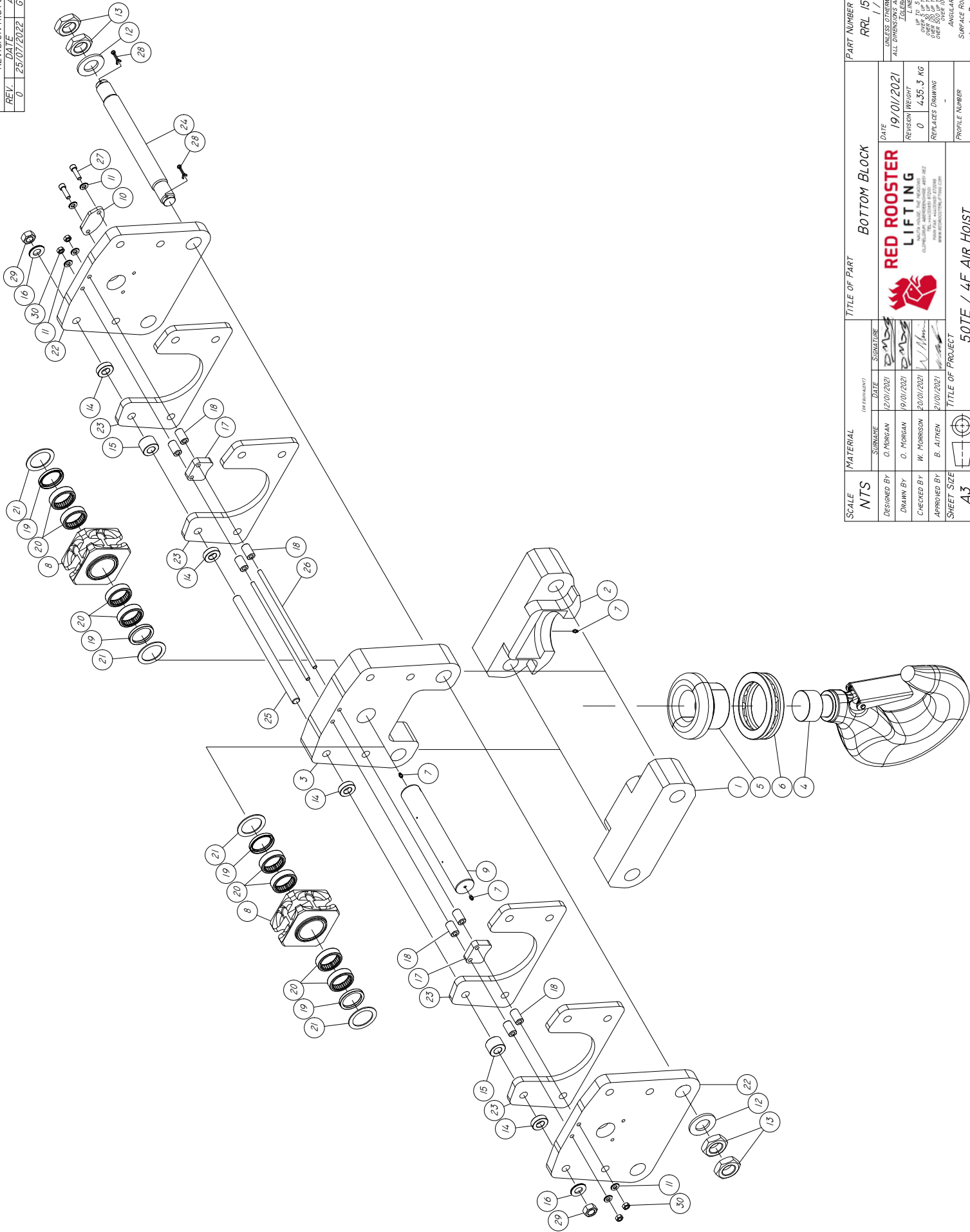
PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	425814060	VALVE BODY	
2	1	425814C30	MAIN BUSH	
3	9	131103040	O-RING S-53	
4	1	425814100	MAIN SPOOL	
5	1	425814140	LIMIT LEVER	
6	2	425814C20	SPOOL CYLINDER	
7	2	131101006	O-RING P-8	
8	4	131103043	O-RING S-60	
9	2	425814C60	SPOOL PISTON	
10	2	425814C70	SPRING SHEET	
11	2	130802231	SPRING 26.5X4.2X3.5	
12	2	131101038	O-RING P-38	
13	2	131307006	WASHER M6	
14	2	132406110	CROSS-RECESSED HEAD MACHINE SCREW M6X10	
15	2	425814080	SIDE COVER	
16	8	131706025	HEX SOCKET HEAD CAP SCREW M6X25	
17	1	425814100	LIMIT GUIDE	
18	2	131103016	O-RING S-20	
19	1	130212013	DRY BEARING DDK05-1212	
20	1	130215012	DRY BEARING DDK05-1512	
21	8	131705014	HEX SOCKET HEAD CAP SCREW M5X14	
22	1	425814460	LIMIT SHAFT	
23	6	131103008	O-RING S-10	
24	2	131103010	O-RING S-12	
25	1	131307012	WASHER M12	
26	1	426103178	CONTROL LEVER CP	
27	1	130302012	RETAINING RING S-12	
28	1	426105680	VALVE SHAFT THRUST PLATE	
29	1	426105130	LIMIT VALVE SHAFT WASHER	
30	1	134501008	U-NUT M8	
31	1	425814M28	BRAKE VALVE CP	
32	1	131103007	O-RING S-9	
33	1	425814450	LIMIT RETAINER F	
34	1	425814450	LIMIT SPOOL BUSHING	
35	5	131103022	O-RING S-28	
36	1	425806440	LIMIT SPOOL	
37	1	150802232	SPRING 13.1X7.0X2.1	
38	1	426307250	SPRING SEAT	
39	1	426307480	LIMIT RETAINER	
40	1	132306025	HEX SOCKET SET SCREW M6X25	
41	1	134403106	HEX NUT M6	
42	1	130301032	RETAINING RING H-32	
43	1	130406005	PARALLEL PIN L&D H7	
44	1	426307450	ADJUST COVER	
45	4	130606015	SPRING PIN OXIS	
46	1	130621715	UNDER CASNET	
47	1	425814170	UNDER COVER	
48	1	130717140	O-RING AS568-144	
49	1	425814140	RETAINER	
50	2	131101116	SPRING PLG X10	
51	3	130402010	HEX SOCKET HEAD CAP SCREW M5X30	
52	2	131705030	HEX SOCKET SET SCREW M5X22	
53	2	132050222	HEX NUT M5	
54	2	134403205	HEX SOCKET SET SCREW M5X5	
55	4	132105005	HEX SOCKET PLUG 1	
56	1	134902012	MAIN CUT BUSH	
57	1	425814G70	O-RING AS568-036	
58	3	131105036	MAIN CUT SEAT	
59	1	136102178	MAIN CUT HOLDER	
60	1	425814H00	HEX SOCKET HEAD CAP SCREW M6X8	
61	1	131706308	MAIN CUT VALVE	
62	1	425814G80	MAIN CUT CAP	
63	1	131103037	O-RING S-46	
64	1	131103037	RETAINING RING H-65	
65	1	130301065	INLET BUSHING CP	
66	1	425814G68	O-RING AS568-143	
67	1	13117143	HEX SOCKET HEAD CAP SCREW M8X28	
68	8	131708028	O-RING S-44	
69	1	131103035	VALVE GASNET	
70	1	136102179	CHOKE VALVE	
71	1	425818P30	CONTROL VALVE	
72	1	425818P30	CONTROL VALVE	

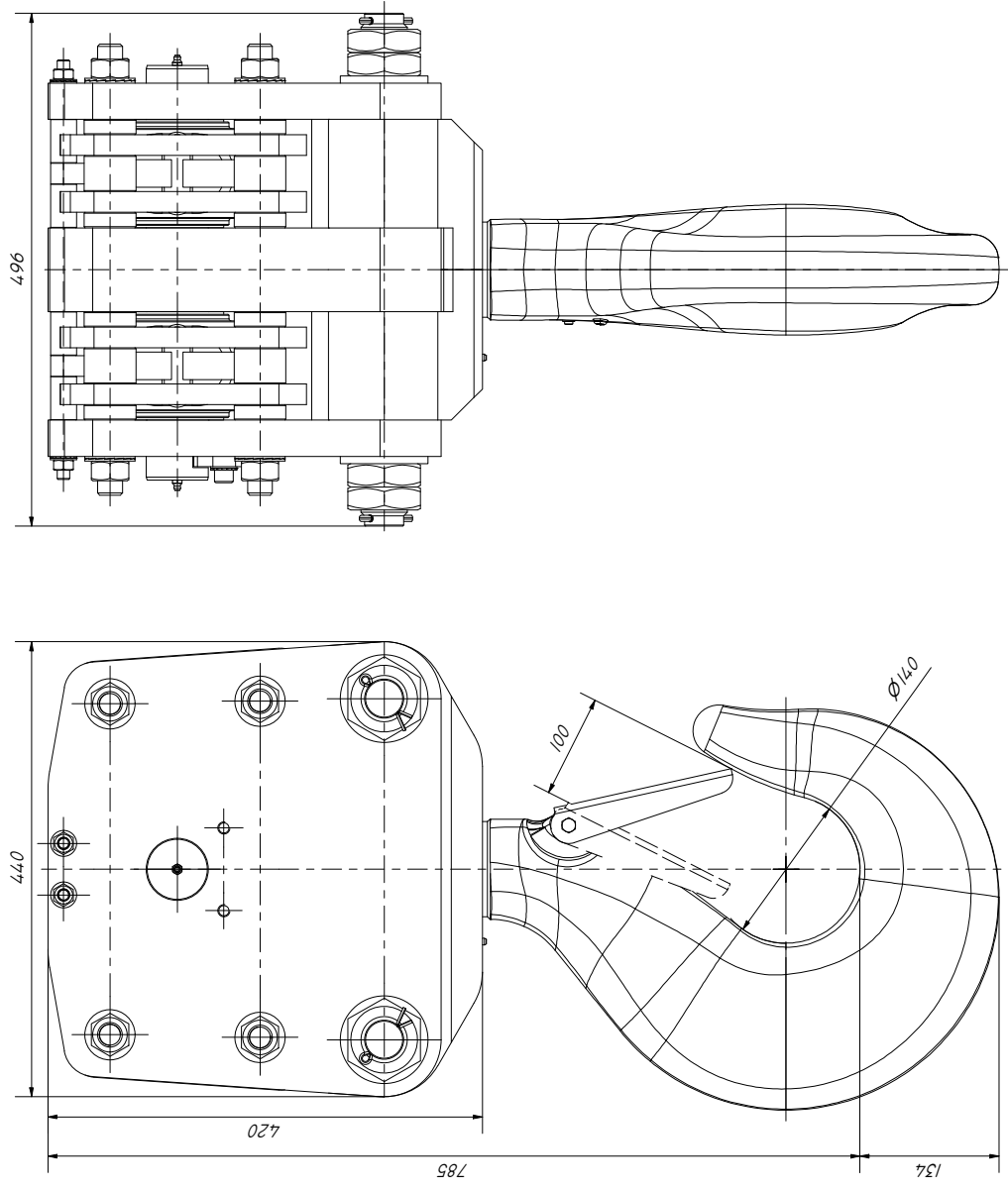
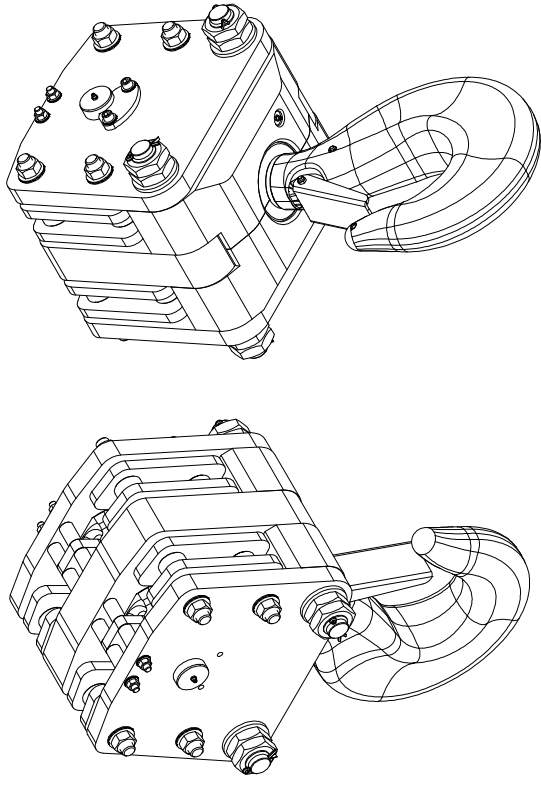
SCALE		TITLE OF PART		PART NUMBER	
NTS				TMH-30 CV	1 / 1
DESIGNED BY	R. THOREK	SIGNATURE	DATE	DATE	08/09/2022
DRAWN BY	R. THOREK	SIGNATURE	DATE	REVISION WEIGHT	0 26.8 KG
CHECKED BY	G. KRUPINSKI	SIGNATURE	DATE	REPLACES DRAWING	-
APPROVED BY	B. AITKEN	SIGNATURE	DATE	PROFILE NUMBER	-
SHEET SIZE	A3	TITLE OF PROJECT			
TMH30 - 30T 2F AH					
					
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS 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 OTHER AS NOTED SURFACE ROUGHNESS Ra IF IN DOUBT ASK					



REVISION HISTORY		
REV.	DATE	APPROVED
0	25/07/2022	G. KRUPINSKI

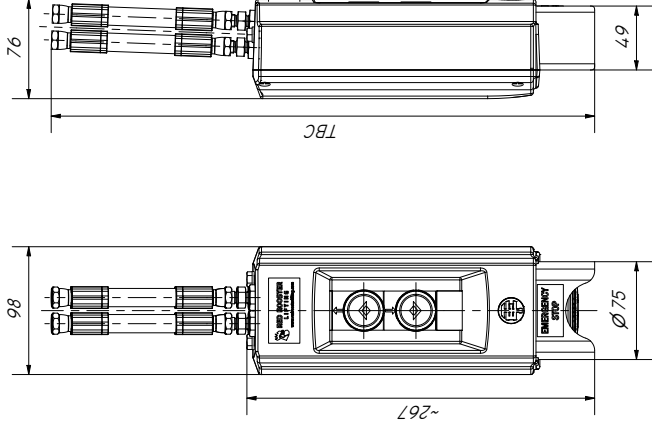


SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
NTS		(SEE EXPLANATION)		BOTTOM BLOCK		RRL 1595-02	
DESIGNED BY		DATE		DATE		1 / 2	
DRAWN BY		SIGNATURE		SIGNATURE			
CHECKED BY		DATE		DATE			
APPROVED BY		SIGNATURE		SIGNATURE			
SHEET SIZE		TITLE OF PROJECT		REVISION WEIGHT		UNLESS OTHERWISE SPECIFIED	
A3		50TE / 4F AIR HOIST		0		ALL DIMENSIONS ARE IN MILLIMETERS	
				4.35.3 KG		TOLERANCES	
				REPLACES DRAWING		LINEAR	
				PROFILE NUMBER		ANGULAR	
						SURFACE ROUGHNESS	
						IF IN DOUBT ASK	



PARTS LIST				TITLE OF PART		REVISIONS		DATE		SIGNATURE	
ITEM	QTY	PART NUMBER	DESCRIPTION	REV.	SCALE	SURNAME	DATE	DESIGNED BY	DATE	DESIGNED BY	DATE
1	1	RRL 1595-28	HOOK HOLDER 1	0	NTS	O. MORGAN	12/01/2021	O. MORGAN	12/01/2021	O. MORGAN	12/01/2021
2	1	RRL 1595-27	HOOK HOLDER 1	0		O. MORGAN	19/01/2021	W. MORRISON	20/01/2021	B. AITKEN	21/01/2021
3	1	RRL 1595-25	BOTTOM BLOCK - LOAD PLATE	0							
4	1	RRL 1595-26	HOOK RING	0							
5	2	RRL 1595-31	THRUST RING	0							
6	2	DIN 711 - 512 28 - 140 X 107 X 46	THRUST BALL BEARING	0							
7	3	DIN 7112 - 140 X 107 X 46	LUBRICATING WHIPPLE CONED TYPE A	0							
8	2	RRL P1W23 556-02	POCKET WHEEL (2.5:5:60 CHAIN) - BOTTOM BLOCK	0							
9	1	RRL 1595-30	THRUST PLATE	0							
10	1	RRL 1578-28	M12 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR	0							
11	6	NL 2SP	HEXAGON THIN NUTS (CHAMFERED) - PRODUCT GRADES A AND B	0							
12	2	DIN 124 - A 46	CHAIN GUIDE - SPACER	0							
13	8	ISO 1035 - M4.5	CHAIN GUIDE - SPACER	0							
14	16	RRL 1595-38	M24 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR	0							
15	8	RRL 1578-24	CHAIN GUIDE - SPACER	0							
16	8	NL 2LSF	CHAIN SEPARATOR	0							
17	2	RRL 1578-29	CHAIN GUIDE - SPACER	0							
18	8	RRL 1595-39	NEEDLE ROLLER BEARING	0							
19	4	DIN 3760 - A - 60 X 78 X 9 - NBR	SPACER RING	0							
20	8	RNAO 60X78X20	BOTTOM BLOCK - SIDE PLATE	0							
21	4	RRL SR23 566-01	CHAIN GUIDE	0							
22	2	RRL 1595-24	LOAD BAR	0							
23	4	RRL 1595-26	TIE ROD	0							
24	2	RRL 1595-29	CYLINDER HEAD CAP SCREW	0							
25	4	RRL 1595-31	HEX NUT	0							
26	2	RRL 1595-32	HEX NUT	0							
27	2	DIN 912 - M12 X 40	HEX NUT	0							
28	4	DIN 94 - 6.3 X 50	HEX NUT	0							
29	8	DIN 934 - M24	HEX NUT	0							
30	4	DIN 934 - M12	HEX NUT	0							
SCALE				TITLE OF PART		REVISIONS		DATE		SIGNATURE	
NTS				BOTTOM BLOCK		RRL 1595-02		19/01/2021		2 / 2	
DESIGNED BY				DATE		REVISIONS		REVISION WEIGHT		REPLACES DRAWING	
DRAWN BY				19/01/2021		0		4.35.3 KG		-	
CHECKED BY				20/01/2021		0		4.35.3 KG		-	
APPROVED BY				21/01/2021		0		4.35.3 KG		-	
SHEET SIZE				TITLE OF PROJECT		50TE / 4F AIR HOIST		SURFACE ROUGHNESS		IF IN DOUBT ASK	
A3				UNLESS OTHERWISE SPECIFIED		ALL DIMENSIONS ARE IN MILLIMETERS		TOLERANCES		ANGULAR $\pm 0.5^\circ$	
				UNLESS OTHERWISE SPECIFIED		ALL DIMENSIONS ARE IN MILLIMETERS		TOLERANCES		ANGULAR $\pm 0.5^\circ$	
				UNLESS OTHERWISE SPECIFIED		ALL DIMENSIONS ARE IN MILLIMETERS		TOLERANCES		ANGULAR $\pm 0.5^\circ$	

REVISION HISTORY		
REV.	DATE	APPROVED
0	21/03/2024	PAUL SHEWAN



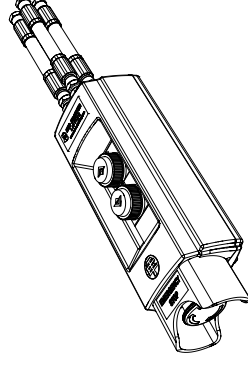
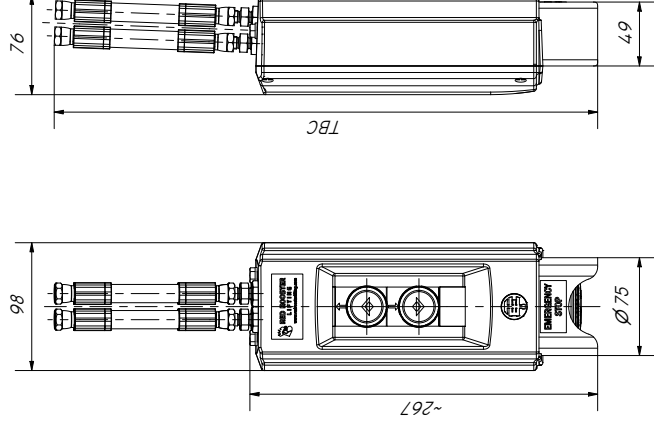
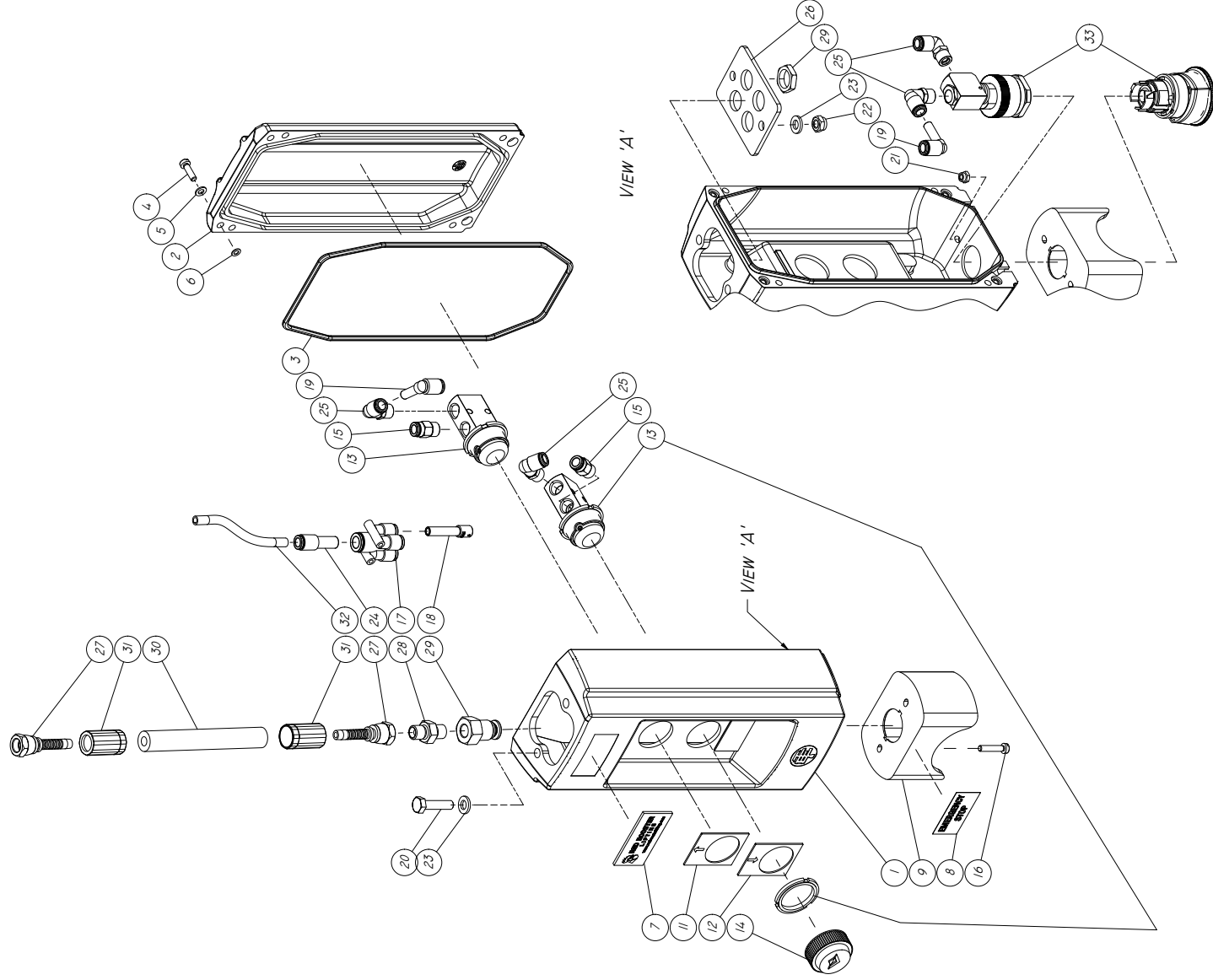
ITEM	QTY	PART NUMBER	DESCRIPTION	REV
1	1	RR1-VTP2-M-0	EMERGENCY STOP VALVE (BK3206P-BSS4)	0
2	1	XCB02-02	FRONT CASE	0
3	1	XCB02-03	REAR CASE	0
4	4	XCB02-12	RUBBER SEAL	0
5	4	XCB02-13	SLOTTED CHEESE HEAD SCREW M4X14	0
6	4	XCB02-14	WASHER M6	0
7	1	RR1-LABEL-REDROOSTER	PLASTIC WASHER M4	0
8	1	RR1-LABEL-E-STOP	RED ROOSTER LABEL	0
9	1	E-STOP-GUARD001	EMERGENCY STOP LABEL	0
10	1	BK3206P-BSS4	YELLOW E-STOP GUARD	0
11	1	XAC-B-L-LEGEND-UP	UP LEGEND	0
12	1	XAC-B-L-LEGEND-DOWN	DOWN LEGEND	0
13	2	BK-3209-P-VALVE	BUTTON COVER	0
14	2	BK-3209-294-B-COVER	BUTTON COVER	0
15	2	P087	1/8" BSP TO 6MM PUSH FIT	0
16	2	I05P	SLOTTED CHEESE HEAD SCREW M4X20	0
17	1	PI12	6MM DOUBLE "Y" BRANCH	0
18	1	PI16	6MM PLUG	0
19	1	PI18	6MM PLUG IN ELBOW	0
20	2	I50 4018 - M6 x 25	HEX-HEAD BOLT	0
21	2	I33-IP	HEX NYLOC NUT M4	0
22	2	I39P	HEX NYLOC NUT M6	0
23	4	I45P	FLAT WASHER M6	0
24	1	30LP	6MM-6MM REDUCER	0
25	4	30LP	1/8" BSP TO 6MM PUSH FIT ELBOW	0
26	1	RR1-VTP2-M-02	PENDANT BRACKET	0
27	8	P018-I	1/8" BSP TO 1/4" SWIVEL HOSE TAIL	0
28	4	P07-I	1/8" BSP HEX NIPPLE C/W 60° CONE	0
29	4	P215	6MM TO 1/8" BSP BULKHEAD ADAPTOR	0
30	4	I-4 HOSE	1/4" ANTI-STATIC 20BAR BLACK AIR HOSE (BS EN ISO 2398:2016)	0
31	8	P002-I	1/4" HOSE FERRULE (GALVANISED)	0
32	7	HP7	6MM POLYURETHANE TUBES	0

SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
NTS		(IF RELEVANT)		GENERAL ASSEMBLY		RR1-VTP2-M-00	
DESIGNED BY:	R. THORER	SURNAME	DATE	DATE		12/10/2023	
DRAWN BY:	R. THORER			REVISION		WEIGHT	
CHECKED BY:	T. MICKA-AWISNI			0		2.8 KG	
APPROVED BY:	P. SHEWAN			REPLACES DRAWING		-	
SHEET SIZE				PROFILE NUMBER			
A3				-			

TITLE OF PROJECT		SURFACE ROUGHNESS	
RR1-VTP2-M - 2 STATION PENDANT		IF IN DOUBT ASK	
 RED ROOSTER LIFTING ALUMINIUM, STEEL, GALVANISED STEEL TELEPHONE: 01203 825000 WWW.REDFRONTLIFTING.COM		ALL DIMENSIONS ARE IN MILLIMETERS TOLERANCES LINEAR OVER 0 TO 10 ±0.1 OVER 10 TO 30 ±0.15 OVER 30 TO 100 ±0.2 OVER 100 TO 300 ±0.3 OVER 300 TO 1000 ±0.5 ANGULAR 4.0/5	

RR1-VTP2-M - 2 STATION PENDANT

RR1-VTP2-M - 2 STATION PENDANT C/W EMERGENCY STOP VALVE (S406-MJV03-ASSY)



RRI-VTP2-M - 2 STATION PENDANT C/W EMERGENCY STOP VALVE (SL06-MJV03-ASSY) - PARTS LIST									
ITEM	QTY	PART NUMBER	DESCRIPTION	REV					
1	1	RRI-VTP2-M-01	FRONT CASE	0					
2	1	XCAB02-02	REAR CASE	0					
3	1	XACB02-03	RUBBER SEAL	0					
4	4	XACB02-12	SLOTTED CHEESE HEAD SCREW M6x14	0					
5	4	XACB02-13	WASHER M6	0					
6	4	XACB02-14	PLASTIC WASHER M6	0					
7	1	RRI-LABEL-REDROOSTER	RED ROOSTER LABEL	0					
8	1	RRI-LABEL-E-STOP	EMERGENCY STOP LABEL	0					
9	1	E-STOP-GUARD01	YELLOW E-STOP GUARD	0					
10	1	XAC-B-LEGEND-UP	UP LEGEND	0					
11	1	XAC-B-LEGEND-DOWN	DOWN LEGEND	0					
12	1	XAC-B-LEGEND-UP	BUTTON VALVE	0					
13	2	BIK-3209-P-VALVE	BUTTON VALVE	0					
14	2	BIK-3209-294-B-COVER	1/8" BSP TO 6MM PUSH FIT	0					
15	2	P087	SLOTTED CHEESE HEAD SCREW M6x20	0					
16	2	I05P	6MM DOUBLE 'Y' BRANCH	0					
17	1	PI12	6MM PLUG	0					
18	1	PI16	6MM PLUG IN ELBOW	0					
19	2	PI18	HEX-HEAD BOLT	0					
20	2	ISO 4018 - M6 x 25	HEX NYLOC NUT M6	0					
21	2	133-IP	HEX NYLOC NUT M6	0					
22	2	139P	HEX NYLOC NUT M6	0					
23	4	I45P	FLAT WASHER M6	0					
24	1	301P	8MM-6MM REDUCER	0					
25	4	304P	1/8" BSP TO 6MM PUSH FIT ELBOW	0					
26	1	RRI-VTP2-M-02	PENDANT BRACKET	0					
27	8	P016-1	1/8" BSP TO 1/4" SWIVEL HOSETAIL	0					
28	4	P071-H	1/8" BSP HEX NIPPLE C/W 60° CONE	0					
29	4	P245	6MM TO 1/8" BSP BULKHEAD ADAPTOR	0					
30	4	P45	6MM TO 1/8" BSP BULKHEAD ADAPTOR	0					
31	8	H45	1/4" ANTI-STATIC ZOBAR BLACK AIR HOSE (BS EN ISO 2398:2016)	0					
32	7	P002-1	1/4" HOSE FERRULE (GALVANIZED)	0					
33	1	HP7	6MM POLYURETHANE TUBES	0					
34	1	SL06-MJV03-ASSY	EMERGENCY STOP VALVE AND BUTTON	0					

SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
NTS	(REDUCED)	SUBSTANCE	DATE	SIGNATURE	GENERAL ASSEMBLY		
DESIGNED BY	R. THORNE	11/10/2023	<i>R. Thorne</i>	 RED ROOSTER LIFTING RED ROOSTER LIFTING LTD 10, WILKINS ROAD, THE WOODS, A22 CUMMERBURGH, SOUTHAMPTON, HANTS SO9 4JH, UK TEL: 01703 606100 WWW.REDROOSTERLIFTING.CO.UK			
DRAWN BY	R. THORNE	12/10/2023	<i>R. Thorne</i>				
CHECKED BY	T. MOKALAFISHI	12/10/2023	<i>T. Mokalaishi</i>				
APPROVED BY	P. SIEMAN	13/10/2023	<i>P. Sieman</i>				
SHEET SIZE		TITLE OF PROJECT		DATE		REVISION	
A3		RRI-VTP2-M - 2 STATION PENDANT		12/10/2023		REVISION WEIGHT 0 2.8 KG REPLACES DRAWING - PROFILE NUMBER -	

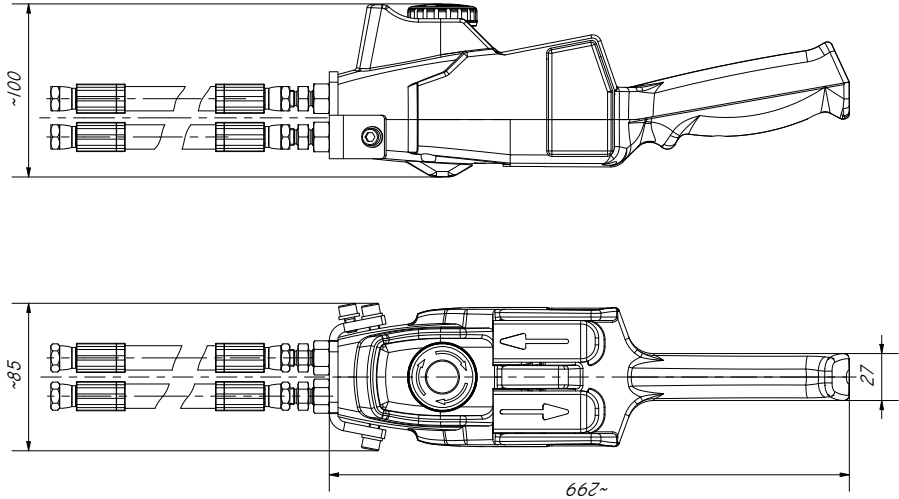
PART NUMBER		TITLE OF PART		GENERAL ASSEMBLY		DATE	
RRI-VTP2-M-00		EMERGENCY STOP VALVE AND BUTTON		GENERAL ASSEMBLY		12/10/2023	
0		0		0		0	

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETRES		TOLERANCES		LINEAR		ANGULAR	
				OVER 10 UP TO 100 ±0.1		OVER 100 UP TO 1000 ±0.2	
				OVER 1000 UP TO 10000 ±0.5		OVER 1000 UP TO 10000 ±0.5	

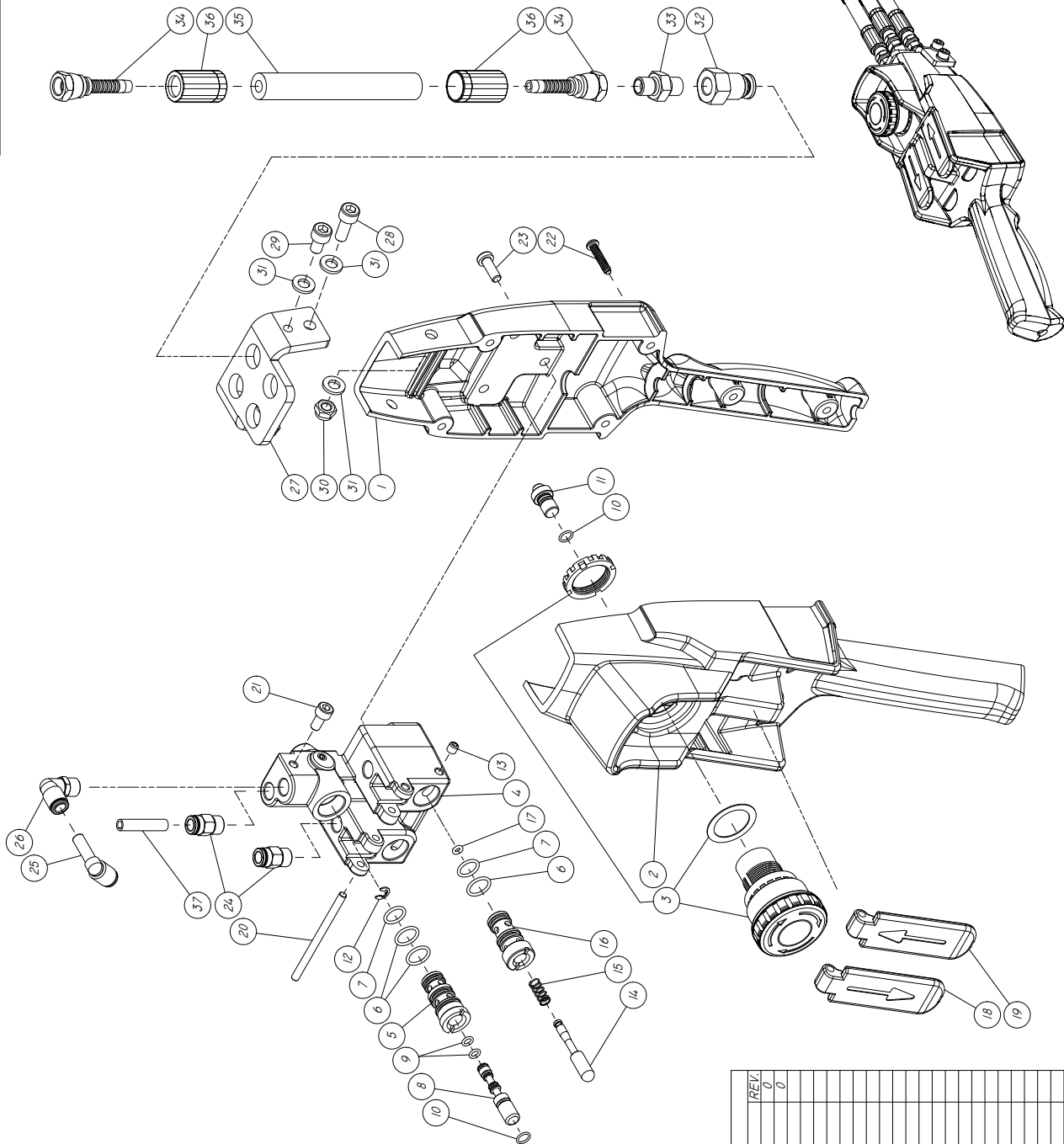
SURFACE ROUGHNESS		IF IN DOUBT ASK	
ANGULAR ±0.5°		ANGULAR ±0.5°	

VRD-2R STATION PENDANT - STANDARD VERSION

REVISION HISTORY	REV.	DATE	APPROVED
	0	21/03/2024	PAUL SHEWMAN

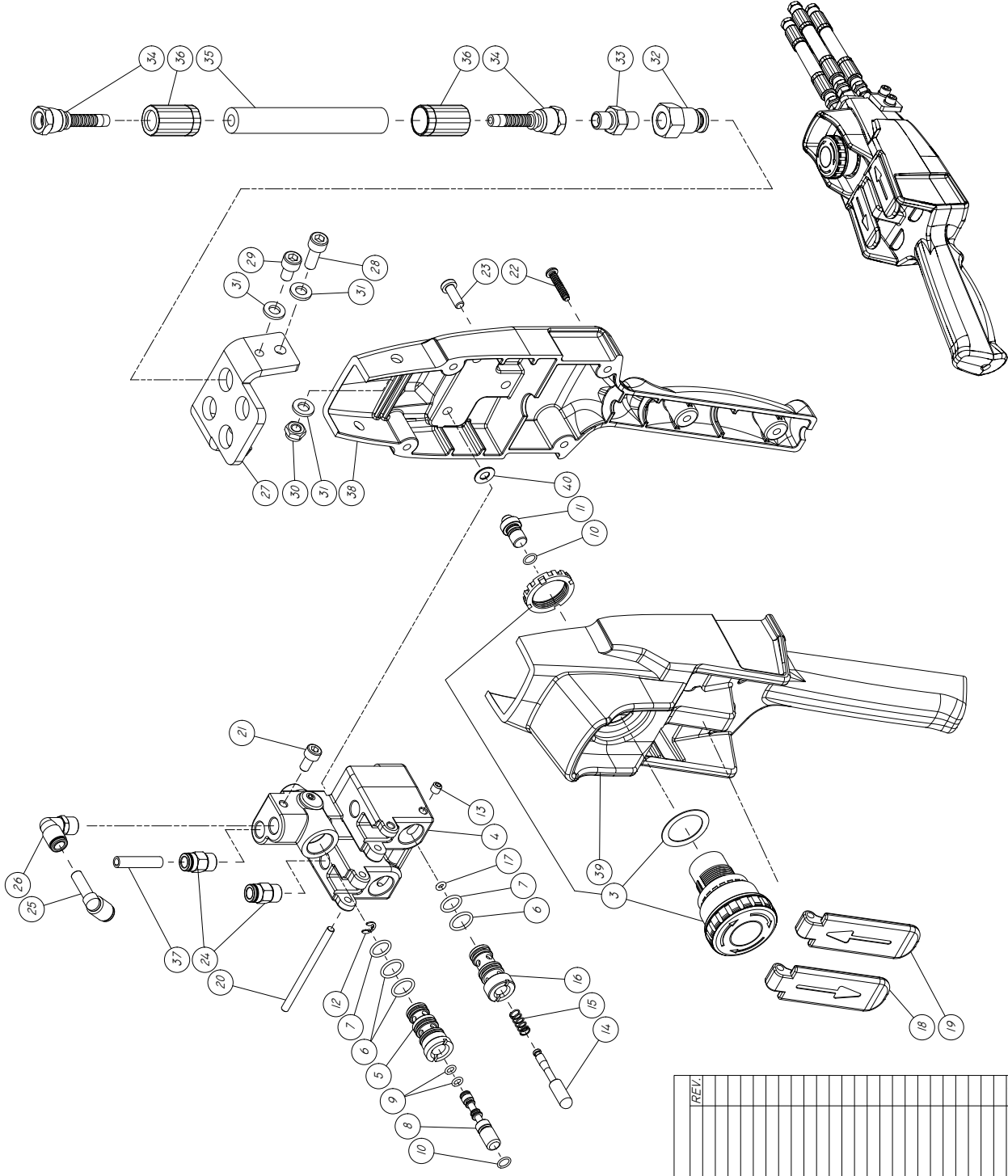
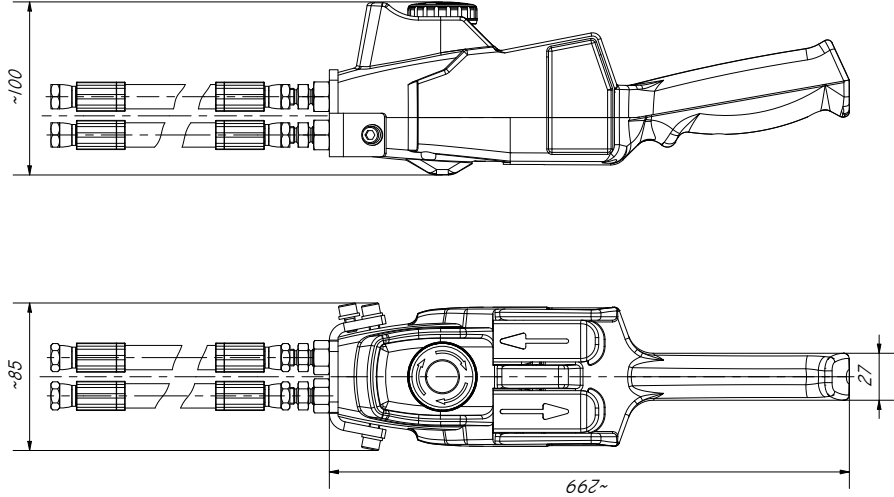


VRD-2R STATION PENDANT - STANDARD VERSION - PARTS LIST			
ITEM QTY	PART NUMBER	DESCRIPTION	REV.
1	VRD-2R-01-ST	REAR CASE	0
2	VRD-2R-02-ST	FRONT CASE	0
3	136690503	EMERGENCY STOP BUTTON	
4	4202281R0	VALVE BODY	
5	4202281V50	EMERGENCY STOP BUSHING	
6	137033009	O-RING S-17.2	
7	137033008	O-RING S-10	
8	420224161	EMERGENCY STOP VALVE	
9	137033002	O-RING S-4	
10	137033004	O-RING S-6	
11	420228W00	PUSH ROD	
12	130303004	RETAINING RING E-4	
13	137036005	HEX SOCKET SET SCREW M5X5	
14	420218V50	THROTTLE VALVE	
15	130802220	SPRING 6X14X0.6	
16	420218V0	BUSHING	
17	137039001	O-RING S-3 (HS90)	
18	420223W40	LEVER D	
19	137035053	LEVER U	
20	137035053	LEVER FIN	
21	137035053	HEX SOCKET HEAD CAP SCREW M5X10	
22	132021220	PHILLIPS PAN HEAD SELF-TAPPING SCREW 4X20	
23	132105014	PHILLIPS PAN HEAD MACHINE SCREW M5X14	
24	P018	1/8" BSP TO GYM ELBOW FIT	
25	P018	GYM RING TO GYM ELBOW FIT	
26	S01P	1/8" BSP TO GYM PUSHFIT ELBOW	
27	VRD-2R-03	PENDANT BRACKET	0
28	113-IP	HEX SOCKET HEAD CAP SCREW M6X16	
29	112P	HEX SOCKET HEAD CAP SCREW M6X10	
30	130P	HEX NYLOC NUT M6	
31	145P	FLAT WASHER M6	
32	P215	GMM TO 1/8" BSP BULKHEAD ADAPTOR	
33	P017-I	1/8" BSP HEX NYLOC C/W 60° CONE	
34	P016-I	1/8" BSP TO 1/4" SWIVEL HOSE TAIL	
35	I-4 HOSE	1/4" ANTI-STATIC 20BAR BLACK AIR HOSE (BS EN ISO 2398-2:06)	
36	P002-I	1/4" HOSE FERRULE (GALVANISED)	
37	HP7	GMM POLYURETHANE TUBES	



SCALE		MATERIAL		TITLE OF PART		GENERAL ASSEMBLY		PART NUMBER	
NTS		(SEE ENVELOPE)		DATE		DATE		VRD-2R-00	
DESIGNED BY		SIGNATURE		DATE		DATE		1 / 2	
DRAWN BY		R. THOREK		03/08/2023		06/08/2023		TOLERANCES	
CHECKED BY		T. MIKOLAJENSKI		06/08/2023		0		ALL DIMENSIONS ARE IN MILLIMETERS	
APPROVED BY		P. SHEWMAN		10/08/2023		2.1 KG		LINEAR	
SHEET SIZE		TITLE OF PROJECT		REPLACES DRAWING		-		UP TO 100 TO 1000	
A3		VRD-2R STATION PENDANT		-		-		OVER 100 TO 1000	
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VRD-2R STATION PENDANT - ATEX VERSION



VRD-2R STATION PENDANT - ATEX VERSION - PARTS LIST			
ITEM QTY	PART NUMBER	DESCRIPTION	REV.
3	136690503	EMERGENCY STOP BUTTON	
4	420228190	VALVE BODY	
5	420228190	EMERGENCY STOP BUSHING	
6	131030009	O-RING S-1/2"	
7	131030008	O-RING S-10	
8	420224161	EMERGENCY STOP VALVE	
9	131030002	O-RING S-4	
10	131030004	O-RING S-6	
11	420228190	PUSH ROD	
12	131030004	RETAINING RING E-4	
13	131030004	HEX SOCKET SET SCREW M5x5	
14	420218190	THROTTLE VALVE	
15	131030004	SPRING 6X14X0.6	
16	420218190	BUSHING	
17	131030001	O-RING S-3 (HS90)	
18	420223190	LEVER D	
19	131030004	LEVER U	
20	131030003	HEX SOCKET HEAD CAP SCREW M5x10	
21	131030001	PHILLIPS PAN HEAD SELF-TAPPING SCREW 4X20	
22	131030004	PHILLIPS PAN HEAD MACHINE SCREW M5x14	
23	131030004	1/8" BSP TO G1/4" FLUSH FIT	
24	131030004	1/8" BSP TO G1/4" FLUSH FIT	
25	131030004	1/8" BSP TO G1/4" FLUSH FIT	
26	131030004	1/8" BSP TO G1/4" FLUSH FIT	
27	131030004	1/8" BSP TO G1/4" FLUSH FIT	
28	131030004	1/8" BSP TO G1/4" FLUSH FIT	
29	131030004	1/8" BSP TO G1/4" FLUSH FIT	
30	131030004	1/8" BSP TO G1/4" FLUSH FIT	
31	131030004	1/8" BSP TO G1/4" FLUSH FIT	
32	131030004	1/8" BSP TO G1/4" FLUSH FIT	
33	131030004	1/8" BSP TO G1/4" FLUSH FIT	
34	131030004	1/8" BSP TO G1/4" FLUSH FIT	
35	131030004	1/8" BSP TO G1/4" FLUSH FIT	
36	131030004	1/8" BSP TO G1/4" FLUSH FIT	
37	131030004	1/8" BSP TO G1/4" FLUSH FIT	
38	131030004	1/8" BSP TO G1/4" FLUSH FIT	
39	131030004	1/8" BSP TO G1/4" FLUSH FIT	
40	131030004	1/8" BSP TO G1/4" FLUSH FIT	

GENERAL ASSEMBLY			
SCALE	MATERIAL	TITLE OF PART	PART NUMBER
NTS	(SEE DRAWING)	VRD-2R STATION PENDANT	VRD-2R-00
DESIGNED BY	R. THOREK	DATE	06/08/2023
DRAWN BY	R. THOREK	REVISION	0
CHECKED BY	T. MIKOLAJENSKI	REPLACES DRAWING	0
APPROVED BY	P. SIEMAN	REPLACES DRAWING	0
SHEET SIZE	A3	PROFILE NUMBER	0
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS IN MILLIMETERS TOLERANCES: LINEAR HOLE DIA. UP TO 10.0 HOLE DIA. 10.0 TO 30.0 HOLE DIA. 30.0 TO 50.0 HOLE DIA. 50.0 TO 100.0 HOLE DIA. 100.0 TO 200.0 HOLE DIA. 200.0 TO 500.0 HOLE DIA. 500.0 TO 1000.0 ANGULAR $\pm 0.5^\circ$ SURFACE ROUGHNESS $\sqrt{R}$ IF IN DOUBT ASK			