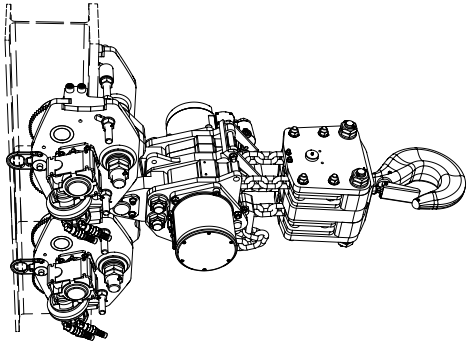
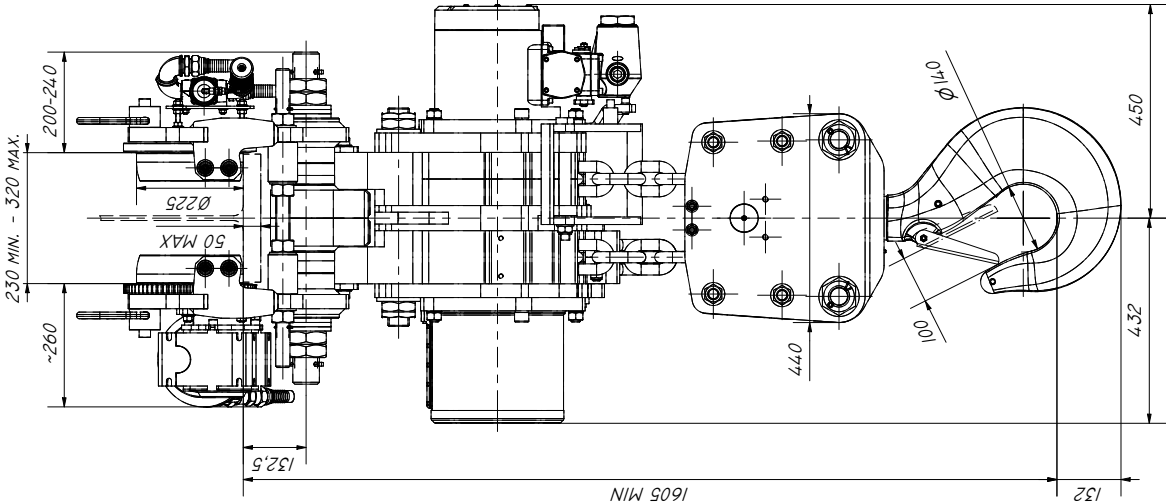
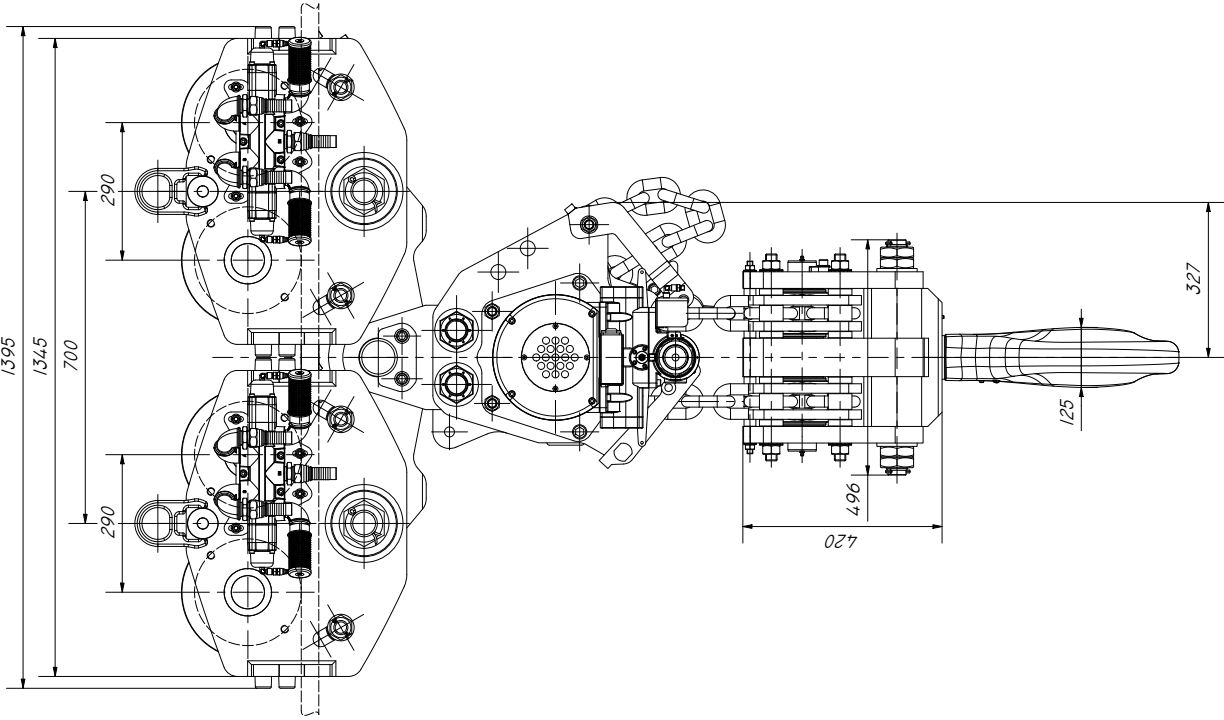


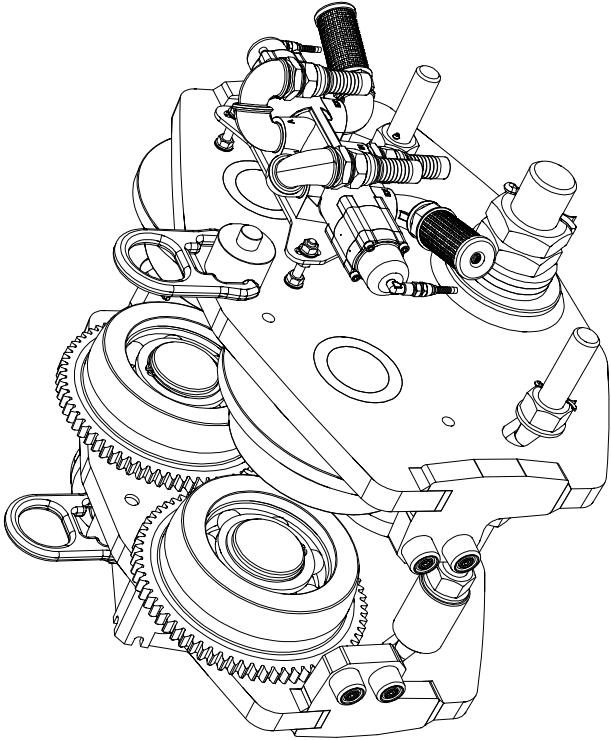
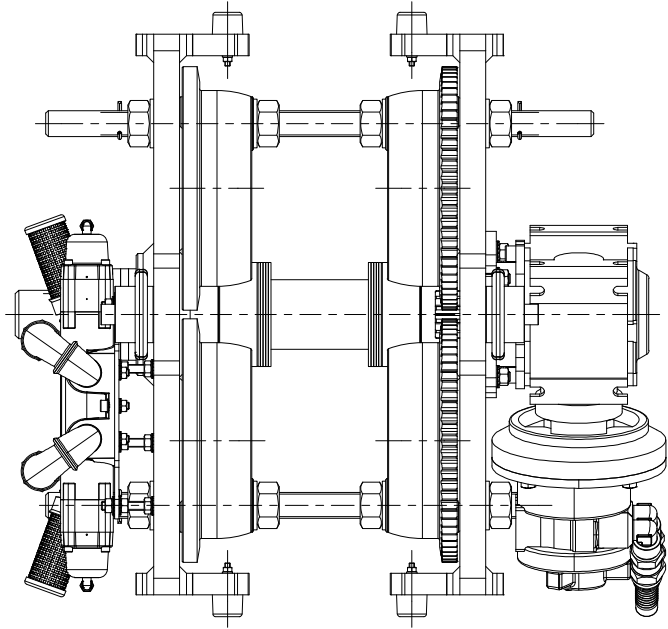
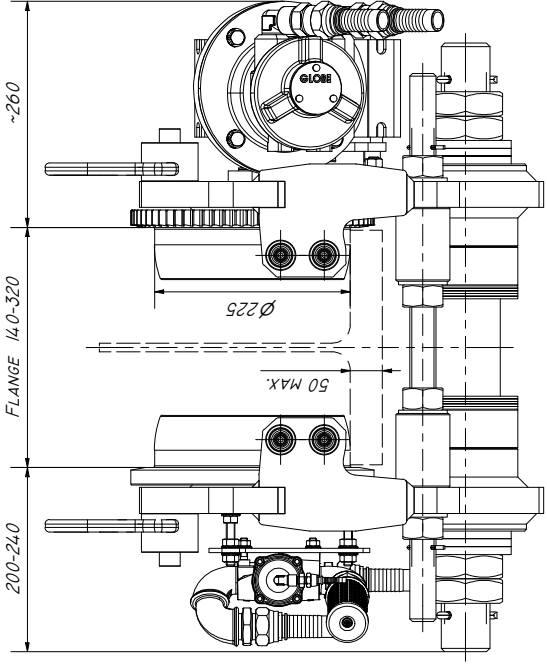
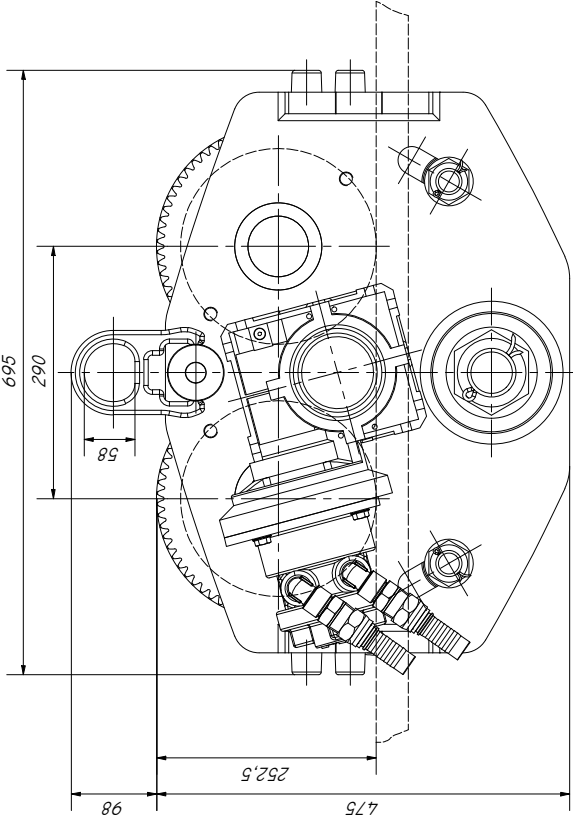
REVISION HISTORY		
REV.	DATE	APPROVED
0	01/07/2024	PAUL SHEWMAN



SCALE		MATERIAL		TITLE OF PART		GENERAL ASSEMBLY		PART NUMBER	
NTS		(OR EQUIVALENT)		DATE		REVISION WEIGHT		RRL 1509-00	
DESIGNED BY		SIGNATURE		DATE		0		1 / 2	
DRAWN BY		SIGNATURE		DATE		0		13/06/2024	
CHECKED BY		SIGNATURE		DATE		0		13/06/2024	
APPROVED BY		SIGNATURE		DATE		0		13/06/2024	
SHEET SIZE		TITLE OF PROJECT		REPLACES DRAWING		-		ALL DIMENSIONS ARE IN MILLIMETERS	
A3		TMH60 - 60T 4F H8T		-		-		TOLERANCES	
								UP TO 5 ±0.05	
								OVER 5 UP TO 10 ±0.1	
								OVER 10 UP TO 20 ±0.15	
								OVER 20 UP TO 50 ±0.2	
								OVER 50 UP TO 100 ±0.3	
								OVER 100 ±0.5	
								ANGULAR ±0.5°	
								SURFACE ROUGHNESS √	
								IF IN DOUBT ASK	

25T AIR TROLLEY - STANDARD VERSION

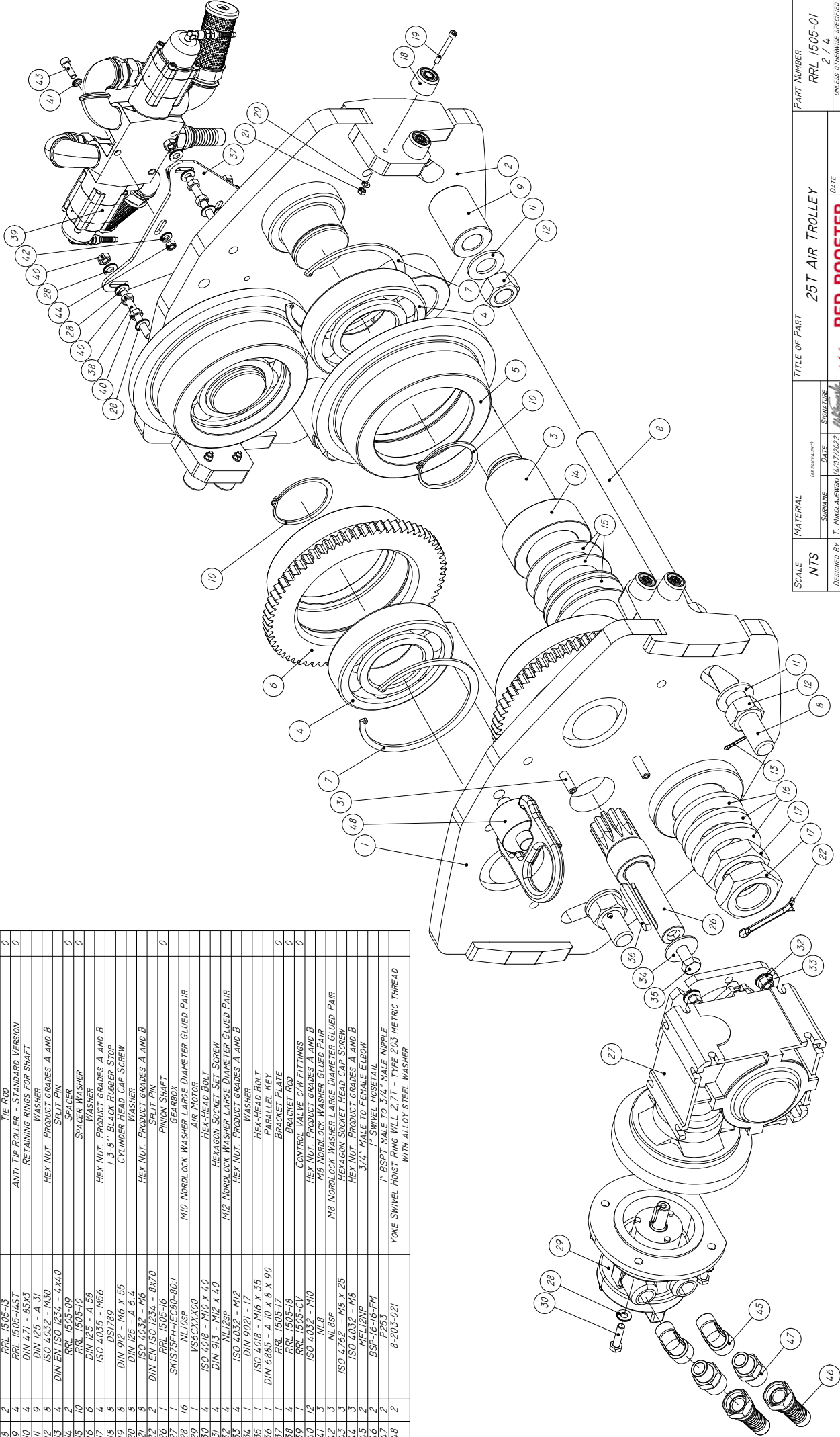
REVISION HISTORY		
REV.	DATE	APPROVED
0	20/07/2022	G. KRUPINSKI



SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
NTS		(OR EQUIVALENT)		25T AIR TROLLEY		RRL 1505-01 1 / 4	
DESIGNED BY		SIGNATURE		DATE		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS	
T. MINGLAJEWSKI				14/07/2022		TOLERANCES	
DRAWN BY				19/07/2022		LINEAR	
G. KRUPINSKI				19/07/2022		UP TO ± 0.05	
CHECKED BY		B. AITKEN		20/07/2022		OVER 0.05 UP TO 0.05 ± 0.1	
APPROVED BY						OVER 0.05 UP TO 0.05 ± 0.15	
SHEET SIZE		TITLE OF PROJECT		REPLACES DRAWING		OVER 0.05 UP TO 0.05 ± 0.5	
A3		25T AT		-		ANGULAR ± 0.5°	
				PROFILE NUMBER		SURFACE ROUGHNESS	
				-		IF IN DOUBT ASK	

25T AIR TROLLEY - STANDARD VERSION

PARTS LIST - STANDARD VERSION			REV.
ITEM QTY	PART NUMBER	DESCRIPTION	
1	RRL 1505-02	MOTOR PLATE (W)	0
2	RRL 1505-03	SIDE PLATE (W)	0
3	RRL 1505-15	LOAD BAR	0
4	DIN 625 SKF - SKF 6317-2Z	DEEP GROOVE BALL BEARINGS SINGLE ROW WITH TWO Z SHIELDS SKF	0
5	RRL 1505-12ST	PLAIN WHEEL - STANDARD VERSION	0
6	RRL 1505-12ST	GEAR WHEEL - STANDARD VERSION	0
7	DIN 472 - 180 x 4	SPRING RETAINING RING	0
8	RRL 1505-13	TIE ROD	0
9	RRL 1505-12ST	ANTI TIP ROLLER - STANDARD VERSION	0
10	DIN 471 - 85X3	RETAINING RINGS FOR SHAFT	0
11	DIN 125 - A 31	WASHER	0
12	ISO 4032 - M30	HEX NUT. PRODUCT GRADES A AND B	0
13	DIN EN ISO 1234 - 4x4x0	SPLIT PIN	0
14	RRL 1505-09	SPACER WASHER	0
15	DIN 1505-10	WASHER	0
16	DIN 125 - A 58	HEX NUT. PRODUCT GRADES A AND B	0
17	ISO 4035 - M66	1 3/8" BLACK RUBBER STOP	0
18	DS1789	CYLINDER HEAD CAP SCREW	0
19	DIN 912 - M6 x 55	WASHER	0
20	DIN 125 - A 64	HEX NUT. PRODUCT GRADES A AND B	0
21	ISO 4032 - M6	SPLIT PIN	0
22	DIN EN ISO 1234 - 8x70	PINION SHAFT	0
23	RRL 1505-16	GEARBOX	0
24	SH/S19TH-1EC80-80.1	M10 NORBLOK WASHER LARGE DIAMETER GLUED PAIR	0
25	NL108P	AIR MOTOR	0
26	V56CXX100	HEX HEAD BOLT	0
27	ISO 4018 - M10 x 4.0	HEXAGON SOCKET SET SCREW	0
28	DIN 914 M12 x 4.0	M12 NORBLOK WASHER LARGE DIAMETER GLUED PAIR	0
29	NL125P	HEX NUT. PRODUCT GRADES A AND B	0
30	ISO 1035 - M12	WASHER	0
31	DIN 10291	HEX HEAD BOLT	0
32	ISO 4018 - M6 x 35	PARALLEL KEY	0
33	DIN 6885 - A 10 x 8 x 90	BRACKET ROD	0
34	RRL 1505-18	CONTROL VALVE C/W FITTINGS	0
35	RRL 1505-CV	HEX NUT. PRODUCT GRADES A AND B	0
36	ISO 4032 - M10	M8 NORBLOK WASHER LARGE DIAMETER GLUED PAIR	0
37	NL 8P	HEXAGON SOCKET HEAD CAP SCREW	0
38	ISO 4762 - M8 x 25	HEX NUT. PRODUCT GRADES A AND B	0
39	ISO 4032 - M8	3/4" MALE TO FEMALE ELBOW	0
40	NFL12NP	1" SWIVEL HOSE TAIL	0
41	BSP-16-16-FM	1" BSPT MALE TO 3/4" MALE NIPPLE	0
42	P25.3	YOKE SWIVEL HOIST RING WILL 2 TT - TYPE 203 METRIC THREAD	0
43	8-203-021	WITH ALLOY STEEL WASHER	0



SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
NTS		(SEE REMARKS)		25T AIR TROLLEY		RRL 1505-01	
DESIGNED BY	T. MIKOLAJEWSKI	DATE	19/07/2022	DATE	19/07/2022	REVISION	2 / 4
DRAWN BY	T. MIKOLAJEWSKI	SIGNATURE		SIGNATURE		REPLACES DRAWING	
CHECKED BY	G. KRUPINSKI	DATE	19/07/2022	DATE	19/07/2022	REPLACES DRAWING	
APPROVED BY	B. AITKEN	DATE	20/07/2022	DATE	20/07/2022	REPLACES DRAWING	
SHEET SIZE	A3	TITLE OF PROJECT		25T AT		PROFILE NUMBER	

RED ROOSTER LIFTING

WALWA WILKÓW, THE RED ROOSTER LIFTING
UL. WARSZAWSKA 80/82, 05-080 WARSZAWA, POLSKA
WWW.ROOSTERLIFTING.COM

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN MILLIMETERS

TOLERANCES

LINEAR

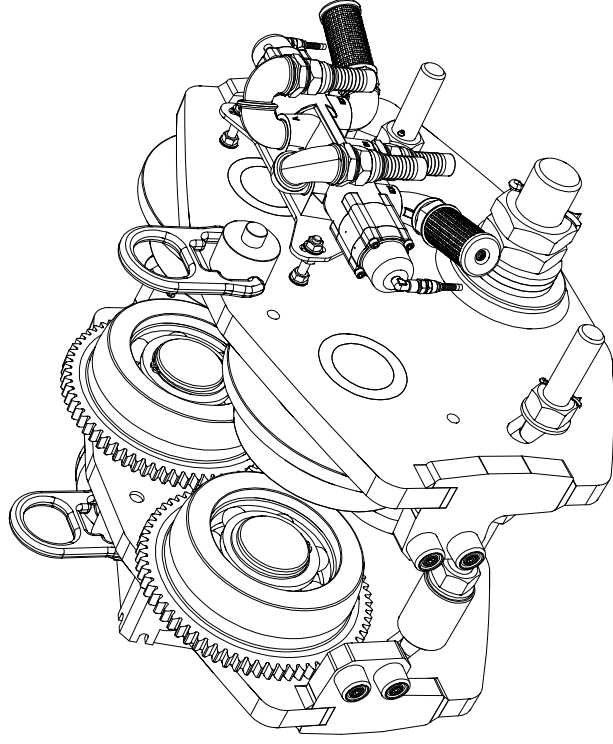
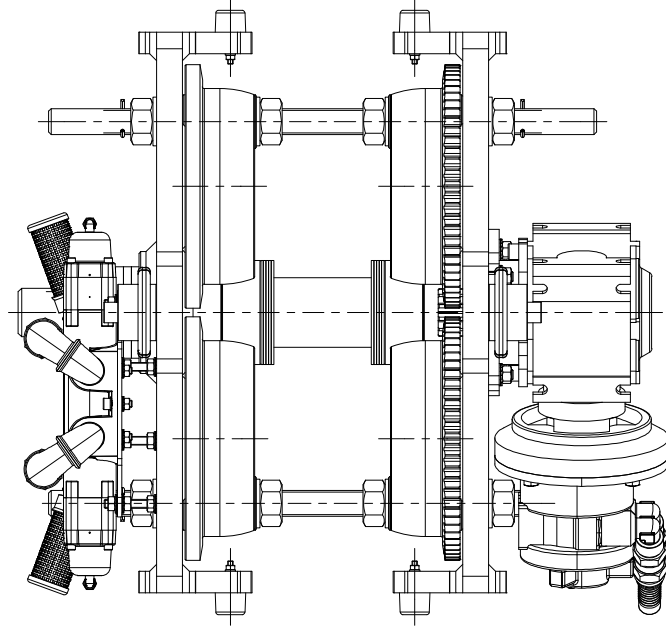
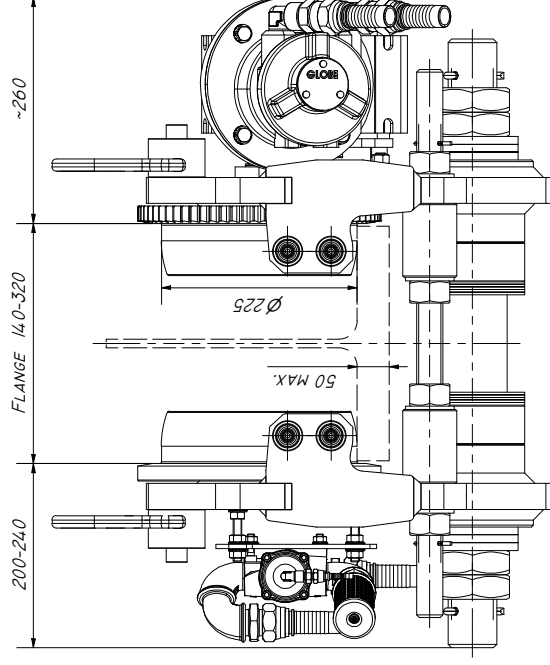
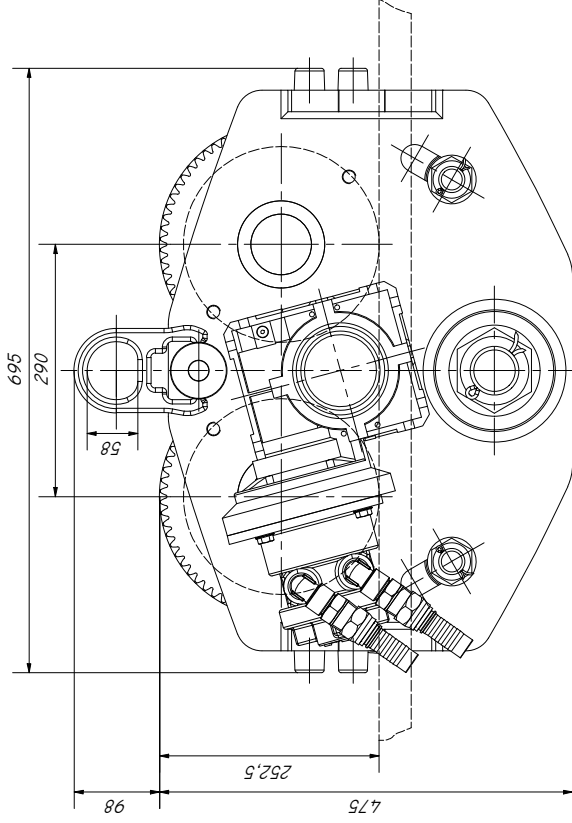
OVER 30 UP TO 100 ±0.1
OVER 100 UP TO 300 ±0.15
OVER 300 UP TO 500 ±0.2
OVER 500 UP TO 1000 ±0.3

ANGULAR ±0.5°

IF IN DOUBT ASK

25T AIR TROLLEY - ATEX VERSION

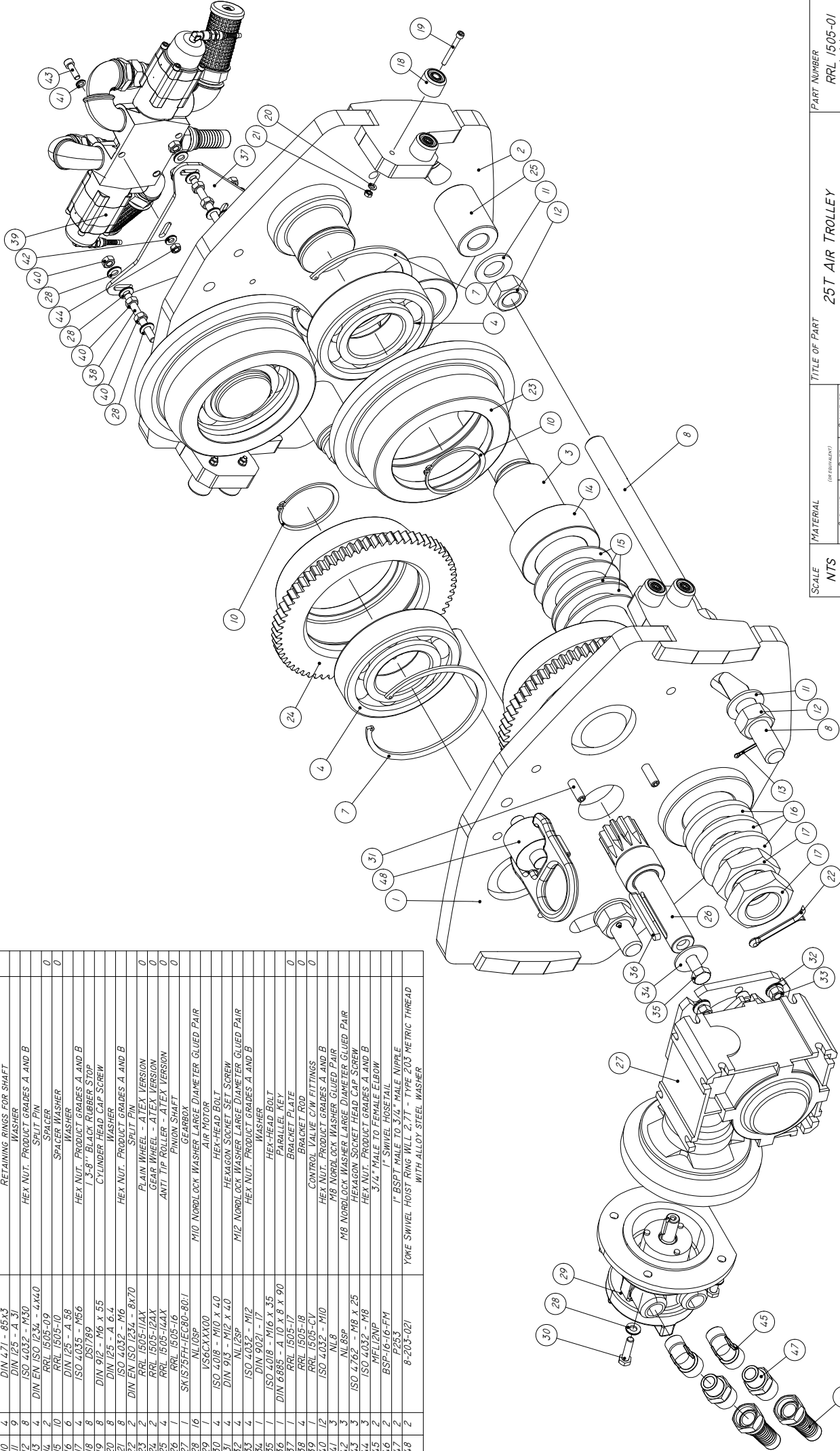
REVISION HISTORY		
REV.	DATE	APPROVED
0	20/07/2022	G. KRUPINSKI



SCALE	MATERIAL	TITLE OF PART (OR EQUIVALENT)		25T AIR TROLLEY		PART NUMBER
NTS		SURNAME	DATE	SIGNATURE		RRL 1505-01 3/14
DESIGNED BY	T. MIKA JEWSKI	14/07/2022	<i>Mikajewski</i>	DATE	19/07/2022	
DRAWN BY	T. MIKA JEWSKI	19/07/2022	<i>Mikajewski</i>	REVISION	WEIGHT	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS
CHECKED BY	G. KRUPINSKI	19/07/2022	<i>G. Krupinski</i>	0	~350kg	TOLERANCES
APPROVED BY	B. AITEN	20/07/2022	<i>B. Aiten</i>	REPLACES DRAWING		LINEAR HOLE ± 0.1 OVER ± 0.1 UP TO ± 0.1 OVER ± 0.1 UP TO ± 0.1 OVER ± 0.1 UP TO ± 0.1 OVER ± 0.1 UP TO ± 0.1 OVER ± 0.1 UP TO ± 0.1
SHEET SIZE	A3	TITLE OF PROJECT		PROFILE NUMBER		ANGULAR $\pm 0.5^\circ$ SURFACE ROUGHNESS $\sqrt{R}$ IF IN DOUBT ASK

25T AIR TROLLEY - ATEX VERSION

PARTS LIST - ATEX VERSION			
ITEM QTY	PART NUMBER	DESCRIPTION	REV.
1	RRL 1505-02	MOTOR PLATE (W)	0
2	RRL 1505-03	SIDE PLATE (W)	0
3	RRL 1505-15	LOAD BAR	0
4	DIN 625 SKF - SKF 6317-22	DEEP GROOVE BALL BEARINGS SINGLE ROW WITH TWO Z SHIELDS SKF	0
7	DIN 472 - 180 X 4	SPRING RETAINING RING	0
8	RRL 1505-13	TIE ROD	0
10	DIN 471 - 85X3	RETAINING RINGS FOR SHAFT	0
11	DIN 125 - A 31	WASHER	0
12	ISO 4032 - M30	HEX NUT, PRODUCT GRADES A AND B	0
13	DIN EN ISO 1234 - 4x40	SPLIT PIN	0
14	RRL 1505-09	SPACER	0
15	RRL 1505-10	WASHER	0
16	DIN 125 - A 58	HEX NUT, PRODUCT GRADES A AND B	0
17	ISO 4035 - M56	1 3/8" BLACK RUBBER STOP	0
18	DIN 912 - M6 X 55	CYLINDER HEAD CAP SCREW	0
19	DIN 912 - M6 X 55	WASHER	0
20	DIN 125 - A 6.4	HEX NUT, PRODUCT GRADES A AND B	0
21	ISO 4032 - M6	SPLIT PIN	0
22	DIN EN ISO 1234 - 8x70	PLAIN WHEEL - ATEX VERSION	0
23	RRL 1505-14AX	GEAR WHEEL - ATEX VERSION	0
24	RRL 1505-14AX	ANTI TIP ROLLER - ATEX VERSION	0
25	RRL 1505-14AX	FINION SHAFT	0
26	RRL 1505-16	GEARBOX	0
27	SK1575H-IEC60-80.1	M10 NORLOCK WASHER LARGE DIAMETER GLUED PAIR	0
28	NL10SP	AIR MOTOR	0
29	ISO 408 - M10 X 40	HEX-HEAD BOLT	0
30	DIN 914 - M12 X 40	HEXAGON SOCKET SET SCREW	0
31	ISO 408 - M12 X 40	M12 NORLOCK WASHER LARGE DIAMETER GLUED PAIR	0
32	ISO 408 - M12 X 40	HEX NUT, PRODUCT GRADES A AND B	0
33	ISO 408 - M12 X 40	HEX-HEAD BOLT	0
34	DIN 914 - M12 X 40	HEXAGON SOCKET SET SCREW	0
35	ISO 408 - M12 X 40	HEX NUT, PRODUCT GRADES A AND B	0
36	ISO 408 - M12 X 40	HEX-HEAD BOLT	0
37	DIN 914 - M12 X 40	HEXAGON SOCKET SET SCREW	0
38	RRL 1505-17	BRACKET KEY	0
39	RRL 1505-18	CONTROL VALVE C/W FITTINGS	0
40	ISO 4032 - M10	HEX NUT, PRODUCT GRADES A AND B	0
41	NL 8	M8 NORLOCK WASHER GLUED PAIR	0
42	NL 8SP	M8 NORLOCK WASHER LARGE DIAMETER GLUED PAIR	0
43	ISO 4763 - M8 X 25	HEXAGON SOCKET HEAD CAP SCREW	0
44	ISO 4032 - M8	HEX NUT, PRODUCT GRADES A AND B	0
45	MFL12NP	3/4" MALE TO FEMALE ELBOW	0
46	BSP-16-16-FM	1" SWIVEL HOSE/AIL	0
47	P25.3	1" BSPT MALE TO 3/4" MALE NIPPLE	0
48	8-203-021	YOKE SWIVEL HOIST RING M12 2 TT - TYPE 203 METRIC THREAD WITH ALLOY STEEL WASHER	0



SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
NTS				25T AIR TROLLEY		RRL 1505-01	
DESIGNED BY		DATE		DATE		REVISION	
T. MICHALCZYNSKI		16/07/2022		19/07/2022		0	
DRAWN BY		DATE		DATE		REPLACES DRAWING	
T. MICHALCZYNSKI		19/07/2022		19/07/2022		-	
CHECKED BY		DATE		DATE		REPLACES DRAWING	
G. KRUPINSKI		19/07/2022		19/07/2022		-	
APPROVED BY		DATE		DATE		REPLACES DRAWING	
B. AITKEN		20/07/2022		20/07/2022		-	
SHEET SIZE		TITLE OF PROJECT		PROFILE NUMBER		SURFACE ROUGHNESS	
A3		25T AT		-		IF IN DOUBT ASK	

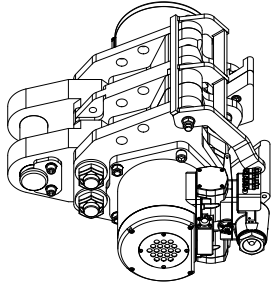
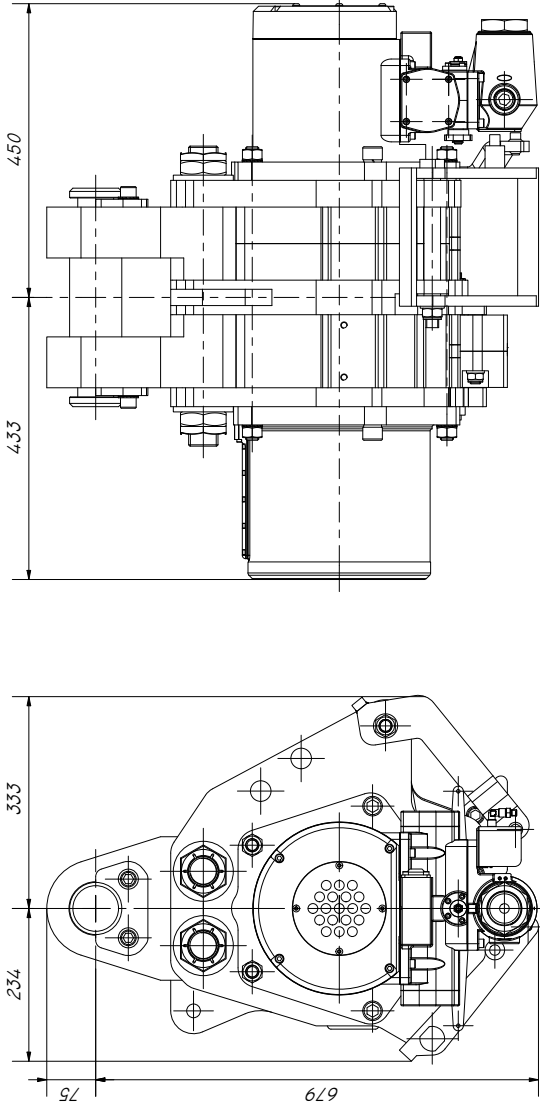


RED ROOSTER
LIFTING

WALWA WOLFF THE ROOSTER
CLIMBING RIGS
THE ROOSTER RIGS
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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
IF IN DOUBT ASK

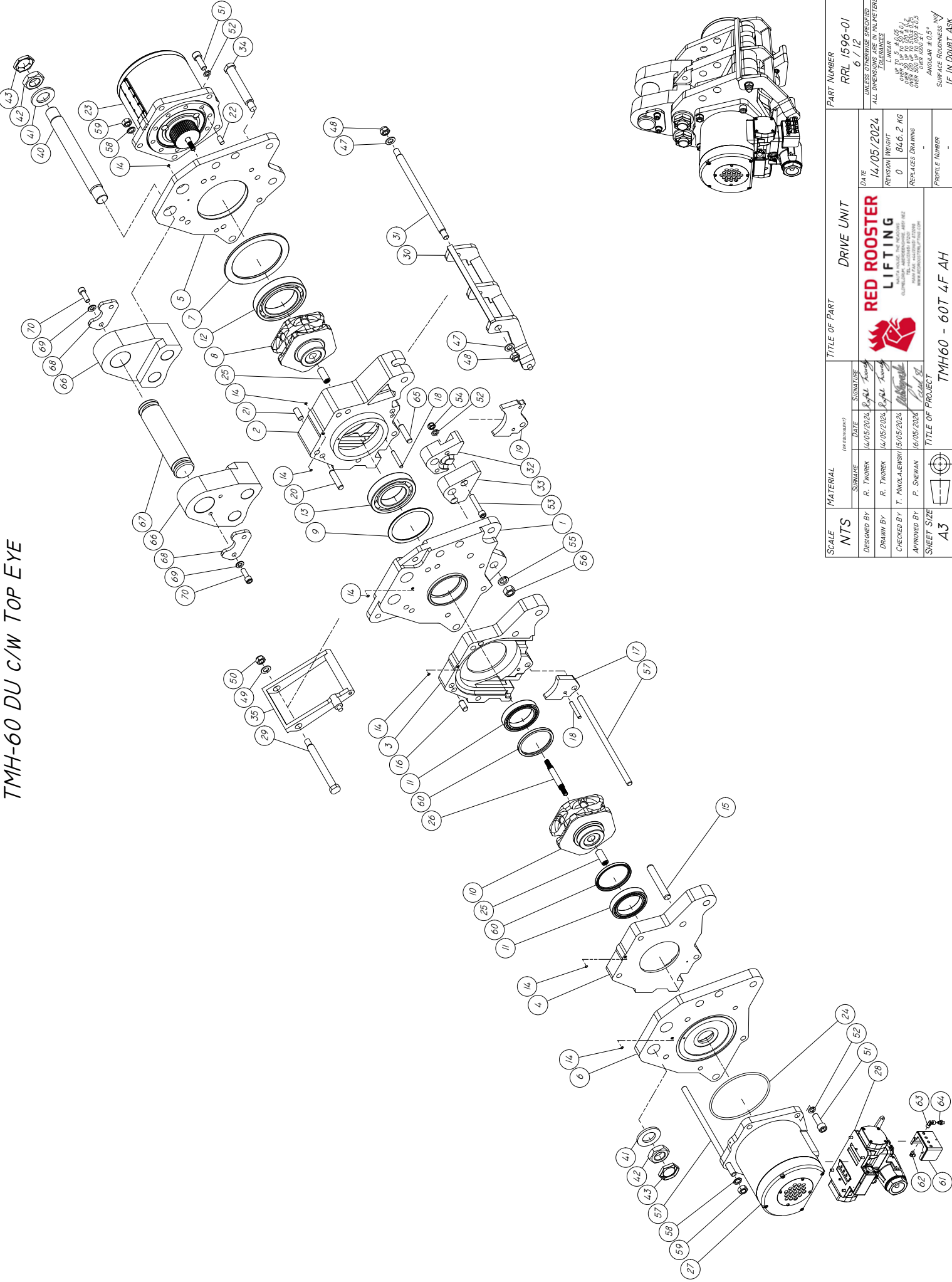
TMH-60 DU C/W TOP EYE



TMH-60 DU C/W TOP EYE - 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	4258/4N90	CHAIN GUIDE COVER	0
8	4258/4A50	LOAD SHEAVE	0
9	RRL 1595-33	BEARING SPACER	0
10	RRL FW23.566-01	idler wheel (23.566mm CHAM) - OUTER BEARINGS	0
11	NCF 2920 CV	CYLINDRICAL ROLLER BEARING 100X140X24	0
12	DIN 625 SKF - SKF 6026	SINGLE ROW BALL BEARINGS SKF	0
13	DIN 625 SKF - SKF 6220	SINGLE ROW BALL BEARINGS SKF	0
14	131103006	O-RING S-8	0
15	ISO 2338 - 25 M6 x 160	PARALLEL PIN	0
16	ISO 2338 - 20 M6 x 40	PARALLEL PIN	0
17	RRL 1595-16	CHAIN SEPARATOR	0
18	130406080	PARALLEL PIN A12X80 H7	0
19	4258/4360	CHAIN SEPARATOR	0
20	ISO 2338 - 20 M6 x 85	PARALLEL PIN	0
21	4263051.61	KNOCK PIN	0
22	4258/4660	KNOCK PIN (16)	0
23	TMH-30 GB	GEAR BOX	0
24	13117247	O-RING AS568-447	0
25	4258/06200	COUPLING	0
26	RRL 1595-35	TRANSFER SHAFT	0
27	TMH-25 AM	AIR MOTOR	0
28	TMH-30 CV	CONTROL VALVE	0
29	4258/4A50	SET PIN	0
30	RRL 1595-03	LIMIT LEVER	0
31	RRL 1595-17	LIMIT LEVER PIN	0
32	RRL 1595-18	CHAIN ANCHOR R	0
33	RRL 1595-19	CHAIN ANCHOR L	0
34	4258/4160	CHAIN SET PIN	0
35	4258/4N103	LIMIT LEVER U	0
40	RRL 1595-31	HOOK LOAD BAR	0
41	DIN 125 - A 32	WASHER	0
42	ISO 4035 - M4.5	HEX NUT	0
43	DIN 1267 M4.5	M4.5 SELF-LOCKING NUT	0
47	DIN 934 - A 20	WASHER	0
48	DIN 934 - A 20	HEX NUT	0
49	131307020	HEX NUT	0
50	131501020	HEX NUT M20	0
51	131720055	HEX NUT M20	0
52	13170016	HEX SOCKET HEAD C/P SCREW M20X55	0
53	13170090	SPRING WASHER M16	0
54	13150106	HEX SOCKET HEAD C/P SCREW M16X90	0
55	131501024	LI NUT M16	0
56	134401024	SPRING WASHER M24	0
57	RRL 1595-34	HEX NUT M24	0
58	NL 20	M20 THREADED ROD	0
59	DIN 934 - M20	M20 NORDLOCK WASHER GLUED PAIR	0
60	DIN 3760 - A - 120 x 14.0 x 10 - NBR	HEX NUT	0
61	PER-02-00	PENDANT BRACKET	0
62	KQ21.06-01NS	1/8" BSP MALE TO 6MM PUSH FIT ELBOW	0
63	FEL02NP	1/8" FEMALE ELBOW	0
64	100-0202	1/8" MALE TO 1/8" MALE NIPPLE	0
65	ISO 2338 - 20 M6 x 80	PARALLEL PIN	0
66	RRL 1596-02	HANGER BLOCK	0
67	RRL 1596-03	HANGER PIN	0
68	RRL 1596-04	LOCKING PLATE	0
69	NL16SP	M16 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR	0
70	ISO 4762 - M16 x 4.5	HEXAGON SOCKET HEAD CAP SCREW	0
SCALE MATERIAL			
TITLE OF PART			
DRIVE UNIT			
PART NUMBER			
RRL 1596-01			
5 / 12			
UNLESS OTHERWISE SPECIFIED			
ALL DIMENSIONS ARE IN MILLIMETERS			
TOLERANCES			
LINEAR			
OVER 30 UP TO 100 ±0.1			
OVER 100 UP TO 300 ±0.15			
OVER 300 UP TO 500 ±0.2			
OVER 500 UP TO 1000 ±0.3			
OVER 1000 UP TO 2000 ±0.5			
OVER 2000 UP TO 5000 ±0.6			
OVER 5000 UP TO 10000 ±0.8			
ANGULAR ±0.5°			
SURFACE ROUGHNESS Ra			
IF IN DOUBT ASK			

DESIGNED BY	R. TWOREK	DATE	14/05/2024	SIGNATURE	
DRAWN BY	R. TWOREK	DATE	14/05/2024	SIGNATURE	
CHECKED BY	T. MIKOLAJEWSKI	DATE	15/05/2024	SIGNATURE	
APPROVED BY	P. SIEMAN	DATE	16/05/2024	SIGNATURE	
SHEET SIZE	TITLE OF PROJECT				
A3	TMH60 - 60T 4F 4H				

TMH-60 DU c/w TOP EYE



SCALE	MATERIAL	TITLE OF PART	DRIVE UNIT	PART NUMBER
NTS	(SEE EQUIPMENT)		RED ROOSTER LIFTING	RRL 1596-01
DESIGNED BY	R. TWOREK	DATE	14/05/2024	6 / 12
DRAWN BY	R. TWOREK	REVISION	0	
CHECKED BY	T. MINOLAJENSKI	REPLACES DRAWING		
APPROVED BY	P. SIEWIAN	PROFILE NUMBER		
SHEET SIZE	A3	TITLE OF PROJECT	TMH60 - 60T 4F AH	

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN MILLIMETERS

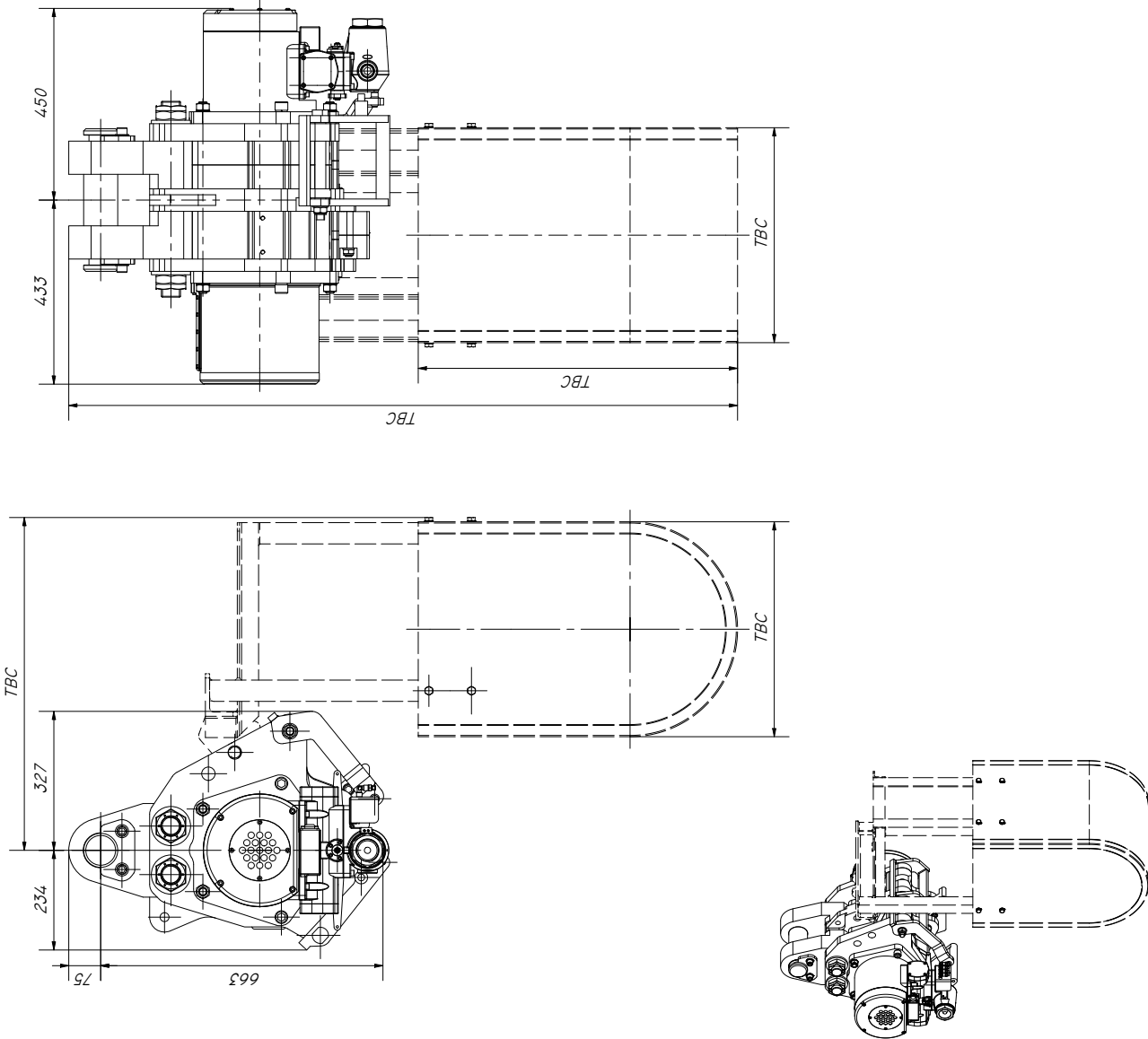
LINEAR

UP TO ± 0.05
OVER 0.5 UP TO ± 0.1
OVER 1.0 UP TO ± 0.15
OVER 2.0 UP TO ± 0.2
OVER 5.0 UP TO ± 0.3
OVER 10.0 UP TO ± 0.5

ANGULAR $\pm 0.5^\circ$

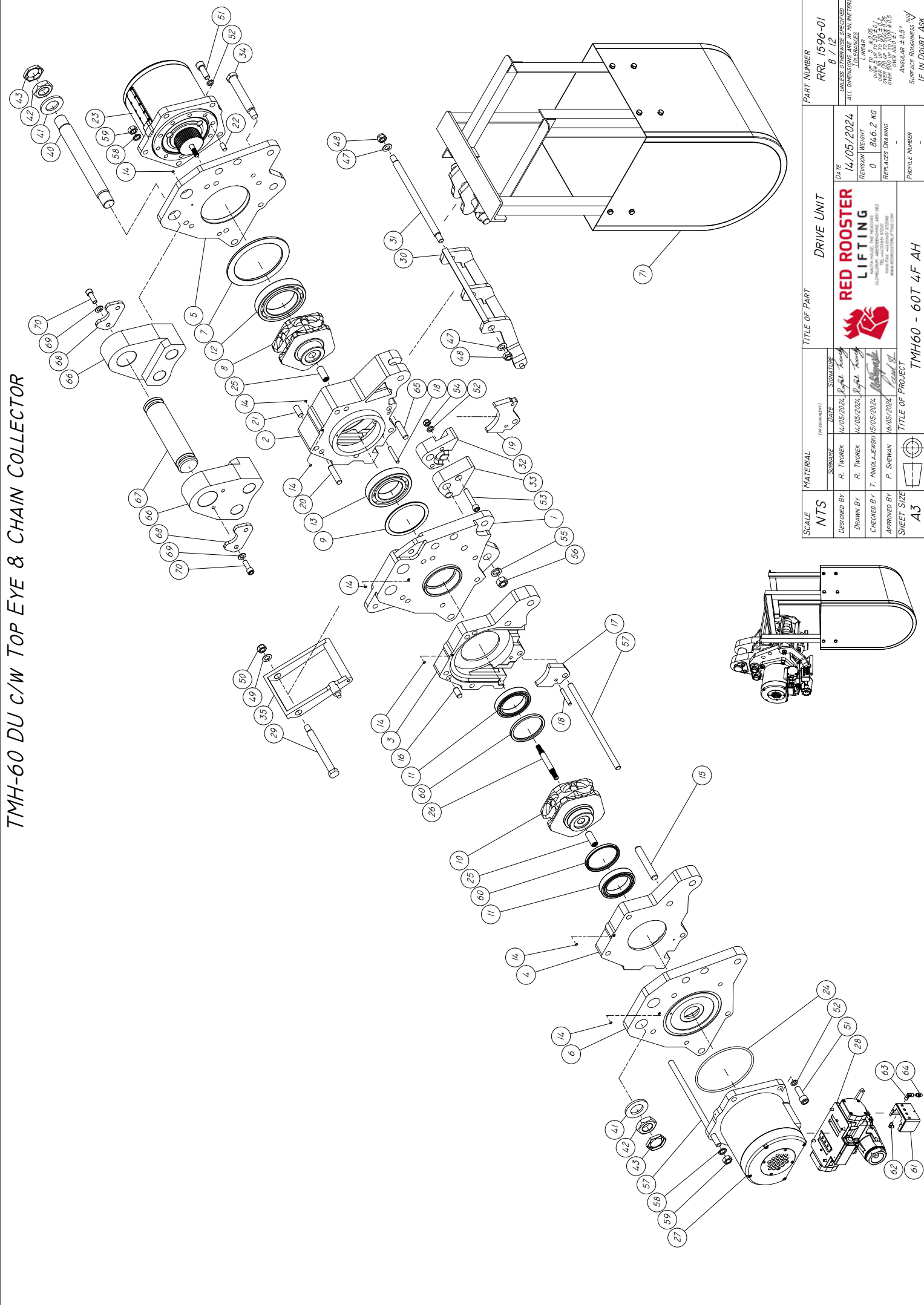
SURFACE ROUGHNESS $\sqrt{\text{ }}$
IF IN DOUBT ASK

TMH-60 DU c/w Top Eye & Chain Collector



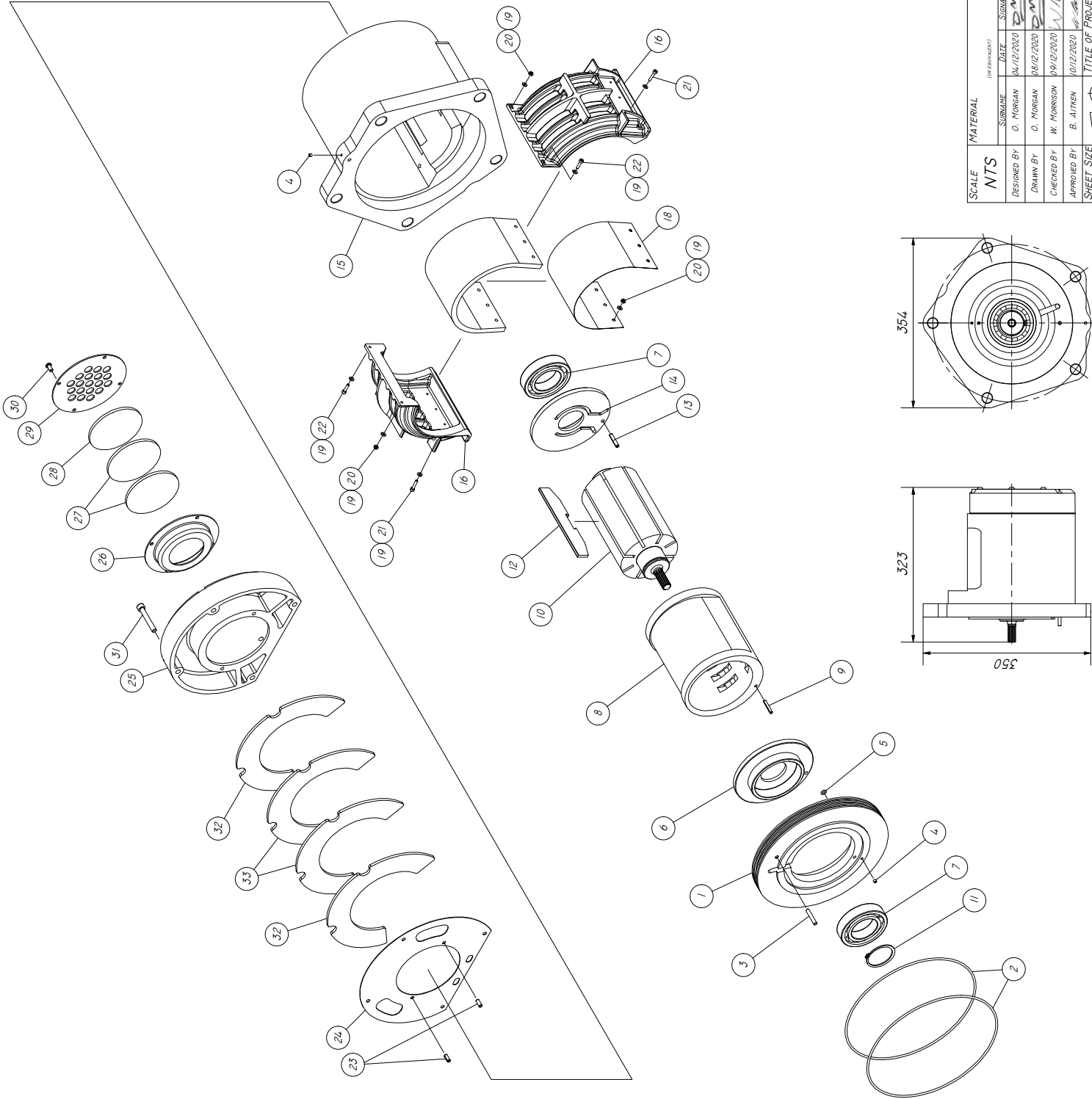
TMH-60 DU c/w Top Eye & Chain Collector - Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	RRL 1595-05	MIDDLE PLATE
2	1	RRL 1595-15	CHANGE GUIDE
3	1	RRL 1595-06	MID SECTION L
4	1	RRL 1595-07	MID SECTION R
5	1	RRL 1595-04	GEAR BOX PLATE
6	1	RRL 1595-08	MOTOR PLATE
7	1	4258141N90	CHAIN GUIDE COVER
8	1	4258141A50	LOAD SHEAVE
9	1	RRL 1595-33	BEARING SPACER
10	1	RRL 1595-33	BEARING SPACER
11	2	NCF 2920 CV	BEARING SPACER
12	1	DIN 625 SKF - SKF 6026	CYLINDRICAL ROLLER BEARING 100X10X22
13	1	DIN 625 SKF - SKF 6220	SINGLE ROW BALL BEARINGS SKF
14	7	13103006	SINGLE ROW BALL BEARINGS SKF
15	1	ISO 2338 - 25 M6 x 160	O-RING S-8
16	3	ISO 2338 - 20 M6 x 40	PARALLEL PIN
17	1	RRL 1595-16	PARALLEL PIN
18	3	ISO 2338 - 20 M6 x 40	PARALLEL PIN
19	1	4258141A50	CHAIN SEPARATOR
20	3	ISO 2338 - 20 M6 x 85	CHAIN SEPARATOR
21	4	4258141A50	PARALLEL PIN
22	10	4258141A50	PARALLEL PIN
23	1	TMH-30 GB	KNUCK PIN
24	1	13107447	KNUCK PIN (1/6)
25	2	4258141A50	GEAR BOX
26	1	RRL 1595-35	O-RING ASS68-4417
27	1	TMH-30 CV	COUPLING
28	1	TMH-30 CV	TRANSFER SHAFT
29	1	TMH-30 CV	AIR MOTOR
30	1	4258141A50	CONTROL VALVE
31	1	RRL 1595-03	LIMIT LEVER
32	1	RRL 1595-17	LIMIT LEVER PIN
33	1	RRL 1595-18	CHAIN ANCHOR R
34	1	RRL 1595-19	CHAIN ANCHOR L
35	1	4258141A50	CHAIN SET PIN
36	1	4258141A50	LIMIT LEVER U
37	1	RRL 1595-23	HOOK LOAD BAR
38	1	DIN 125 - A 52	WASHER
39	1	ISO 6035 - M4.5	HEX NUT
40	1	DIN 7967 M4.5	HEX NUT
41	1	DIN 125 - A 21	HEX NUT
42	1	DIN 985 - M20	HEX NUT
43	1	13107020	WASHER M20
44	1	134501020	WASHER M20
45	1	131720055	U-NUT M20
46	1	131720055	HEX SOCKET HEAD CAP SCREW M20X55
47	1	131720055	SPRING WASHER M16
48	1	131716090	HEX SOCKET HEAD CAP SCREW M16X90
49	1	134501016	U NUT M16
50	1	131501024	SPRING WASHER M24
51	1	134401024	HEX NUT M24
52	1	RRL 1595-34	M20 THREADED ROD
53	1	NL 20	M20 NORDLOCK WASHER GLUED PAIR
54	1	DIN 934 - M20	HEX NUT
55	1	DIN 3760 - A - 120 x 140 x 10 - NBR	DIN 3760 120X140X10 OIL SEAL
56	1	PEB-02-00	PENDANT BRACKET
57	1	K02L06-01NS	1/8" BSP MALE TO 6MM PUSH FIT ELBOW
58	1	FELO2NP	1/8" FEMALE ELBOW
59	1	100-0202	1/8" MALE TO 1/8" MALE NIPPLE
60	1	ISO 2338 - 20 M6 x 80	PARALLEL PIN
61	1	RRL 1596-02	HANGER BLOCK
62	1	RRL 1596-03	HANGER PIN
63	1	RRL 1596-04	LOCKING PLATE
64	1	NL16SP	M16 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR
65	1	ISO 4762 - M16 x 45	HEXAGON SOCKET HEAD CAP SCREW
66	1	RRL 1595-CC	CHAIN COLLECTOR
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TMH-60 DU C/W TOP EYE & CHAIN COLLECTOR



SCALE NTS	MATERIAL	TITLE OF PART			DRIVE UNIT	PART NUMBER
		(OR EQUIVALENT)				
		SURNAME	DATE	SIGNATURE		
		DESIGNED BY R. TWOREK	14/05/2024	<i>R. Tworek</i>		
		DRAWN BY R. TWOREK	14/05/2024	<i>R. Tworek</i>		
		CHECKED BY T. MICHALAKIEWICZ	16/05/2024	<i>M. Michalakiewicz</i>		
		APPROVED BY P. SHERMAN	16/05/2024	<i>P. Sherman</i>		
SHEET SIZE A3	TITLE OF PROJECT	TMH60 - 60T 4F 4H				
					DATE 14/05/2024 REVISION WEIGHT 0 846.2 KG REPLACES DRAWING - PROFILE NUMBER -	
		SURNAME: MICHALAKIEWICZ SIGNATURE: <i>T. Michalakiewicz</i> DATE: 16/05/2024 ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED TOLERANCES UP TO 3: ±0.05 OVER 3 TO 10: ±0.1 OVER 10 TO 30: ±0.12 OVER 30 TO 100: ±0.15 OVER 100 TO 300: ±0.2 OVER 300 TO 500: ±0.25 OVER 500 TO 1000: ±0.3 OVER 1000: ±0.5			RRL 1596-01 8 / 12	
					SURFACE ROUGHNESS $\sqrt{\text{ }}$ IF IN DOUBT ASK	

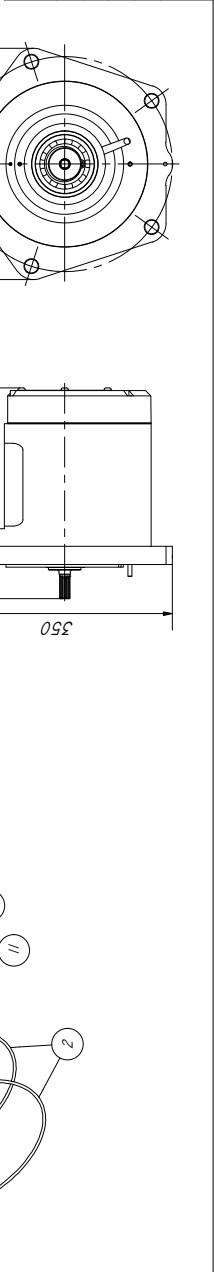
REVISION HISTORY		
REV.	DATE	APPROVED
0	12/03/2022	G. KRUPINSKI



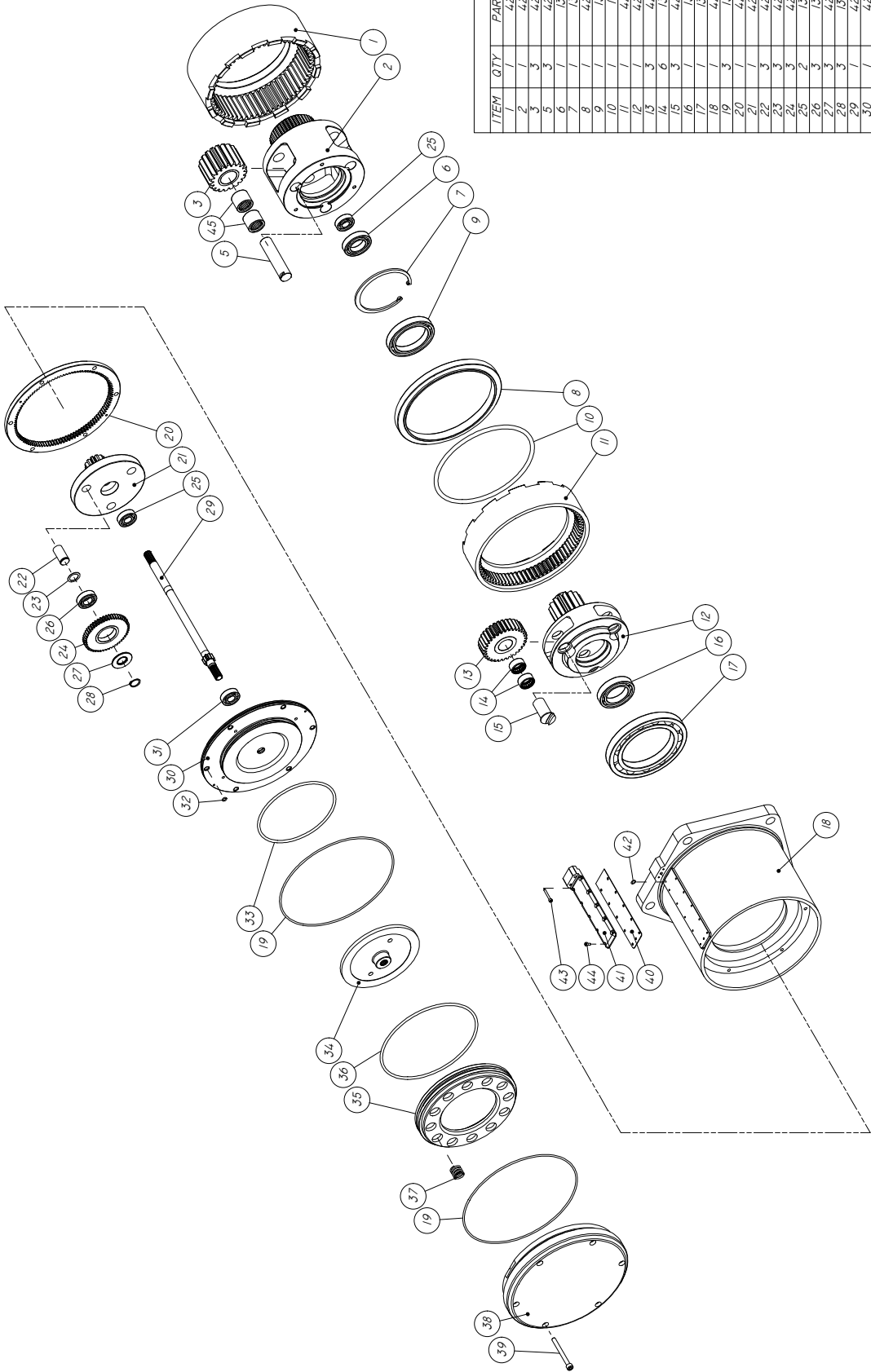
PARTS LIST			REV.
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	425814M40	FRONT COVER
2	2	13117273	O-RING ASS568-273
3	1	130406079	PARALLEL PIN 40x35 H7
4	2	13205005	HEX SOCKET SET SCREW M5x5
5	1	13101005	O-RING P-7
6	1	425814170	FRONT PLATE
7	2	13007011	BEARING 6210
8	1	425814160	CYLINDER
9	1	130605030	SPRING PIN 5x30
10	1	425814150	ROTOR
11	1	130302050	RETAINING RING S-50
12	8	13702034	YANE
13	1	130606030	SPRING PIN 6x30
14	1	425814180	REAR PLATE
15	1	425814190	MOTOR CASE
16	2	425814150	EXHAUST HOLDER
17	1	137402061	SILENCER M(F)
18	1	137402062	SILENCER M(S)
19	16	13507004	WASHER M4
20	8	134501004	U NUT M4
21	2	137402020	HEX SOCKET HEAD CAP SCREW M4x20
22	2	137402020	HEX SOCKET HEAD CAP SCREW M4x10
23	2	137402020	SPRING PIN 6x10
24	2	130605030	EXHAUST GASKET
25	1	425814160	MOTOR COVER
26	1	425814170	EXHAUST COVER S
27	2	137402065	SILENCER SF
28	1	137402066	SILENCER SR
29	1	425814190	EXHAUST PLATE
30	4	130606012	HEX SOCKET BUTTON SCREW M4x12
31	4	137080555	HEX SOCKET HEAD CAP SCREW M8x55
32	3	137402063	SILENCER L S
33	1	137402064	SILENCER L F

TITLE OF PART			PART NUMBER
TMH-25 AM			TMH-25 AM
DATE			08/12/2020
REVISION WEIGHT			0 68.2 KG
REPLACES DRAWING			
PROFILE NUMBER			
UNLESS OTHERWISE SPECIFIED			
ALL DIMENSIONS ARE IN MILLIMETERS			
TOLERANCES			
LINEAR			
UP TO 30 ±0.08			
OVER 30 TO 120 ±0.1			
OVER 120 TO 300 ±0.15			
OVER 300 TO 1000 ±0.2			
OVER 1000 ±0.5			
ANGULAR ±0.5°			
SURFACE ROUGHNESS			
IF IN DOUBT ASK			

SCALE	MATERIAL	(IF EQUIPMT)	SIGNATURE	DATE
NTS				04/12/2020
DESIGNED BY	O. MORGAN			08/12/2020
DRAWN BY	O. MORGAN			09/12/2020
CHECKED BY	W. MORRISON			
APPROVED BY	B. AITKEN			
SHEET SIZE	A3			
TITLE OF PROJECT				

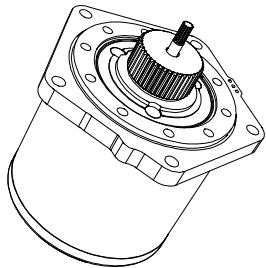
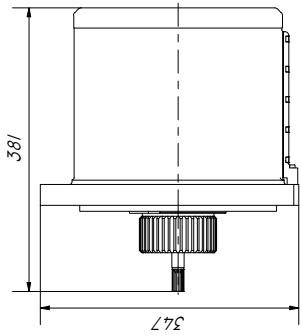
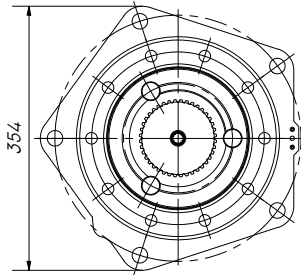


REVISION HISTORY		
REV.	DATE	APPROVED
0	11/10/2022	P. SHEWAN



PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	425814K50
2	1	425814K240
3	3	425818K30
5	3	425814K40
6	1	130104008
7	1	130301025
8	1	425814K230
9	1	13013015
10	1	131010215
11	1	425814E51
12	1	425814K20
13	3	425814E31
14	6	130132515
15	3	425814E41
16	1	130104011
17	1	130106024
18	1	425814K310
19	3	131117274
20	1	425814E10
21	1	425814E22
22	3	425814K80
23	3	425814N70
24	2	130107004
25	3	130104005
26	3	425814N80
27	3	130302020
28	1	425814K62
29	1	130109004
30	1	130109004
31	6	130109007
32	1	130109007
33	1	425814K30
34	1	425814K10
35	1	130133371
36	1	130133371
37	12	130802229
38	1	425814E10
39	6	15708080
40	1	155102176
41	1	425814P10
42	1	151031006
43	2	131704030
44	10	131704008
45	6	130180904

TITLE OF PART		
SCALE	MATERIAL	TITLE OF PROJECT
NTS	(SEE EQUIPMENT)	TMH-30 GB
DESIGNED BY	SIGNATURE	DATE
R. TWOREK	<i>R. Tworek</i>	08/09/2022
DRAWN BY	SIGNATURE	REVISION WEIGHT
R. TWOREK	<i>R. Tworek</i>	0 106.7 KG
CHECKED BY	SIGNATURE	REPLACES DRAWING
G. KRUPINSKI	<i>G. Krupinski</i>	-
APPROVED BY	SIGNATURE	PROFILE NUMBER
B. AITKEN	<i>B. Aitken</i>	-
SHEET SIZE	A3	TMH30 - 30T 2F AH
RED ROOSTER LIFTING		
UNLESS OTHERWISE SPECIFIED		
ALL DIMENSIONS ARE IN MILLIMETERS		
TOLERANCES		
LINEAR		
UP TO 30.00 ±0.08		
30.00 TO 100.00 ±0.10		
100.00 TO 300.00 ±0.15		
300.00 TO 500.00 ±0.20		
OVER 500.00 ±0.30		
ANGULAR ±0.5°		
SURFACE ROUGHNESS Ra		
IF IN DOUBT ASK		

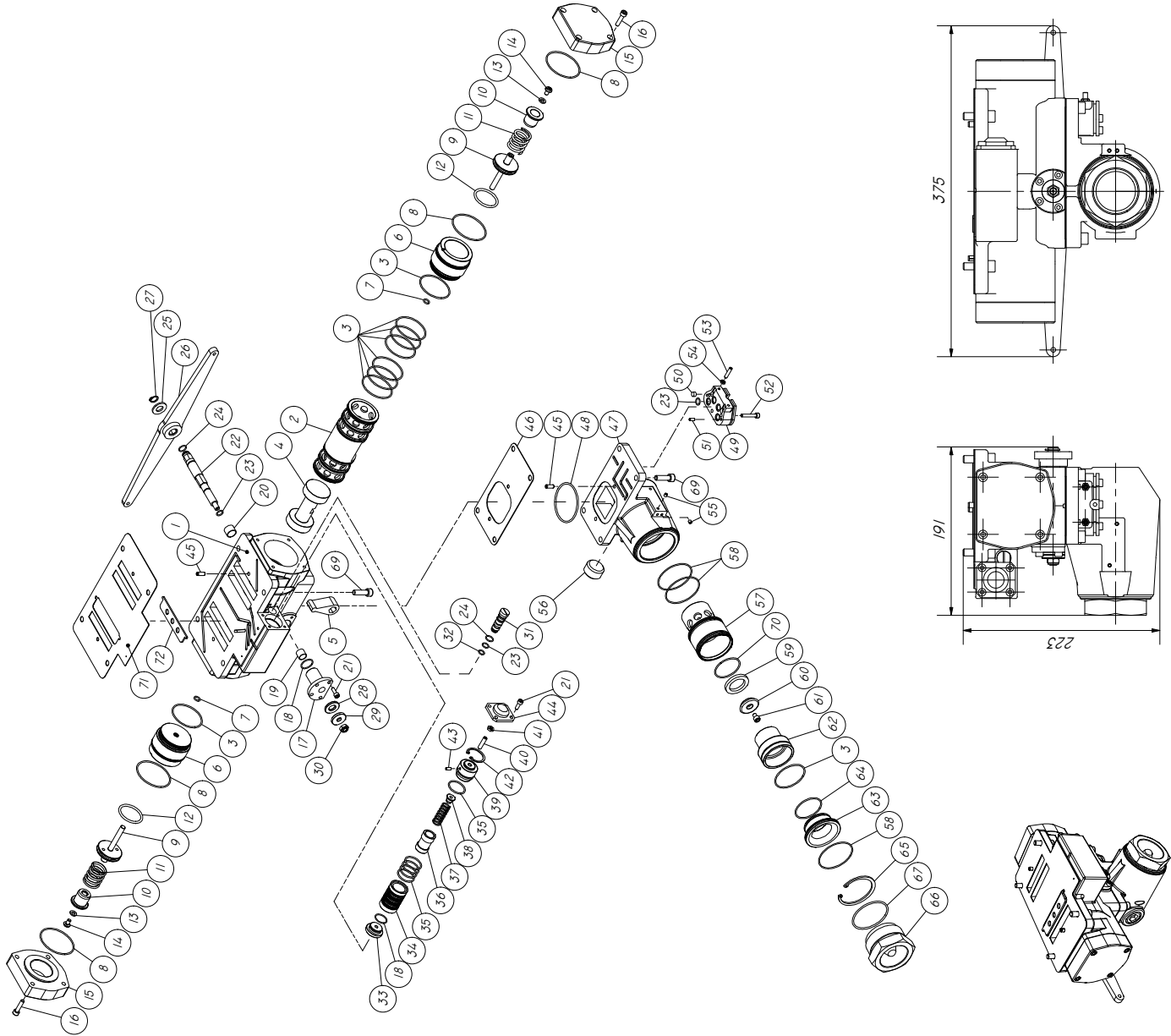


REVISION HISTORY		
REV.	DATE	APPROVED
0	11/10/2022	P. SHEWAN

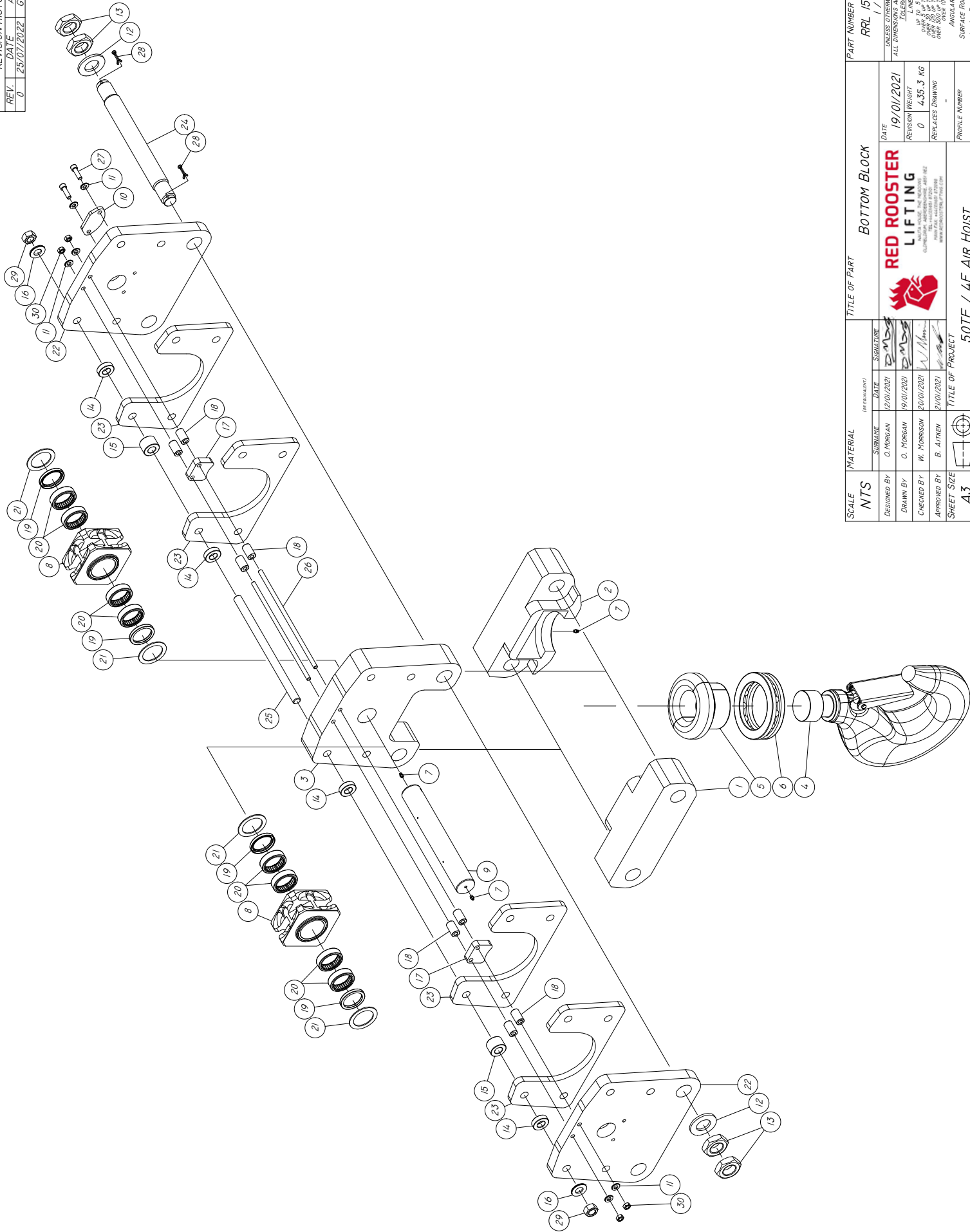
PARTS LIST

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	3	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	
69	8	131708028	O-RING S-44	
70	1	131103035	VALVE GASNET	
71	1	136102179	CHOKE VALVE	
72	1	425818P30	CONTROL VALVE	

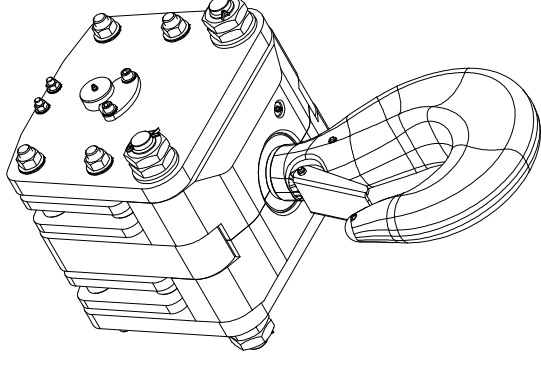
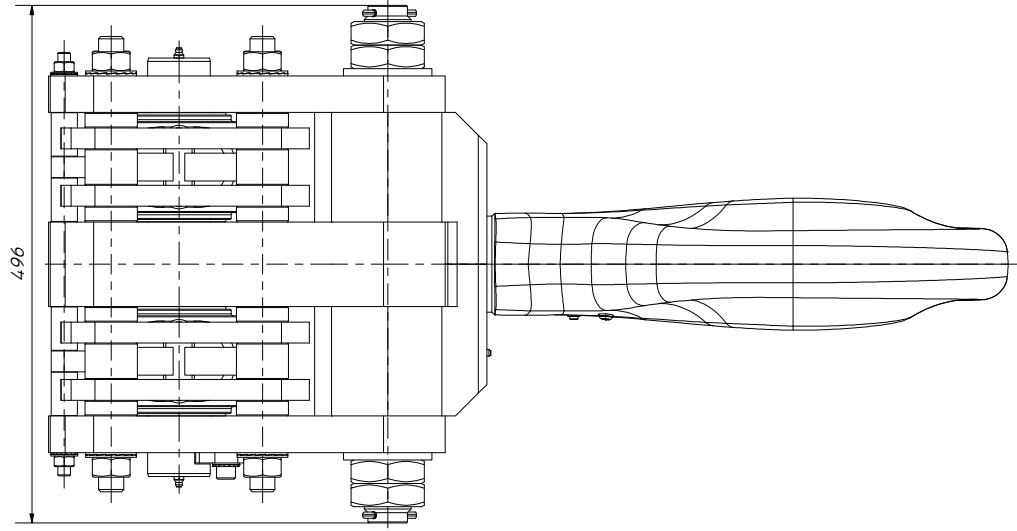
SCALE		TITLE OF PART		PART NUMBER	
NTS		CONTROL VALVE		TMH-30 CV	
DESIGNED BY		DATE		1 / 1	
DRAWN BY		08/09/2022			
CHECKED BY		REVISION WEIGHT			
APPROVED BY		0 26.8 KG			
SHEET SIZE		REPLACES DRAWING			
A3		-			
		PROFILE NUMBER			
		-			
		IF IN DOUBT ASK			



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



SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
NTS		(SEE EQUIPMENT)		BOTTOM BLOCK		RRL 1595-02	
DESIGNED BY		SIGNATURE	DATE	DATE		1 / 2	
DRAWN BY		O. MORGAN	12/01/2021	19/01/2021		UNLESS OTHERWISE SPECIFIED	
CHECKED BY		O. MORGAN	19/01/2021	REVISION WEIGHT		ALL DIMENSIONS ARE IN MILLIMETERS	
APPROVED BY		W. MORRISON	20/01/2021	0		LINEAR	
SHEET SIZE		B. AITKEN	21/01/2021	REPLACES DRAWING		UP TO ± 0.05	
A3		TITLE OF PROJECT		-		OVER 0.05 UP TO ± 0.1	
						OVER 0.1 UP TO ± 0.15	
						OVER 0.15 UP TO ± 0.2	
						OVER 0.2 UP TO ± 0.3	
						OVER 0.3 UP TO ± 0.5	
						ANGULAR $\pm 0.5^\circ$	
						SURFACE ROUGHNESS $\sqrt{R}$	
						IF IN DOUBT ASK	



PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	RR1 1595-28	HOOK HOLDER I	0
2	1	RR1 1595-27	HOOK HOLDER II	0
3	1	RR1 1595-25	BOTTOM BLOCK - LOAD PLATE	0
4	1	RR1 1595-36	HOOK	0
5	2	RR1 1595-37	THRUST RING	0
6	1	DIN 711 - 512-28 - 140 x 197 x 46	THRUST BALL BEARING	0
7	3	DIN 71412 - A18 X 1 CONED SHORT	LUBRICATING NIPPLE, CONED TYPE A	0
8	1	RR1 PW23.566-02	POCKET WHEEL (23.5X66 CHAIN) - BOTTOM BLOCK	0
9	1	RR1 1578-28	WHEEL SHAFT	0
10	1	RR1 1578-28	THRUST PLATE	0
11	6	NL12SP	M12 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR	0
12	4	DIN 125 - A 46	WASHER	0
13	8	ISO 4035 - M4.5	HEXAGON THIN NUTS (CHAMFERED) - PRODUCT GRADES A AND B	0
14	16	RR1 1595-38	CHAIN GUIDE - SPACER	0
15	8	RR1 1578-24	CHAIN GUIDE - SPACER	0
16	8	NL24SP	M24 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR	0
17	2	RR1 1578-29	CHAIN SEPARATOR	0
18	8	RR1 1595-39	CHAIN GUIDE - SPACER	0
19	4	DIN 3760 - A - 60 x 78 x 9 - NBR	OIL SEAL	0
20	8	RMAO 60X78X20	NEEDLE ROLLER BEARING	0
21	4	RR1 SR23.566-01	SPACER RING	0
22	2	RR1 1595-24	BOTTOM BLOCK - SIDE PLATE	0
23	4	RR1 1595-26	CHAIN GUIDE	0
24	2	RR1 1595-29	LOAD BAR	0
25	4	RR1 1595-31	TIE ROD	0
26	2	RR1 1595-32	TIE ROD	0
27	2	DIN 912 - M12 x 40	CYLINDER HEAD CAP SCREW	0
28	4	DIN 94 - 6.3 x 50	SPLIT PIN	0
29	8	DIN 934 - M24	HEX NUT	0
30	4	DIN 934 - M12	HEX NUT	0
SCALE	MATERIAL	TITLE OF PART		PART NUMBER
NTS		BOTTOM BLOCK		RR1 1595-02
DESIGNED BY:	SURNAME	DATE	SIGNATURE	DATE
DRAWN BY:	O. MORGAN	12/01/2021		19/10/2021
CHECKED BY:	O. MORGAN	19/10/2021		REVISION WEIGHT
APPROVED BY:	W. MORRISON	20/10/2021		0 435.3 KG
SHEET SIZE	B. AITKEN	21/01/2021		REPLACES DRAWING
				-
				PROFILE NUMBER
				-



RED ROOSTER
LIFTING

COMPANIES: AUSTRIA, AUSTRIA, AUSTRIA
www.redroosterlifting.com

50T/E / 4F AIR HOIST



A3



TITLE OF PROJECT



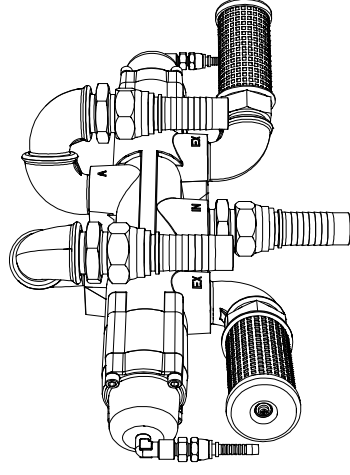
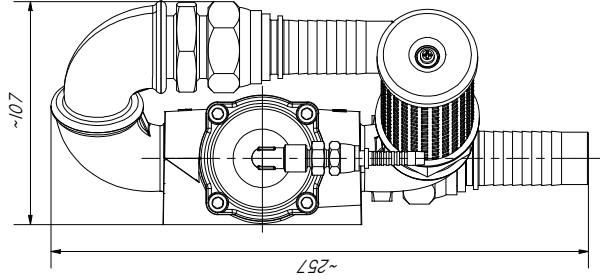
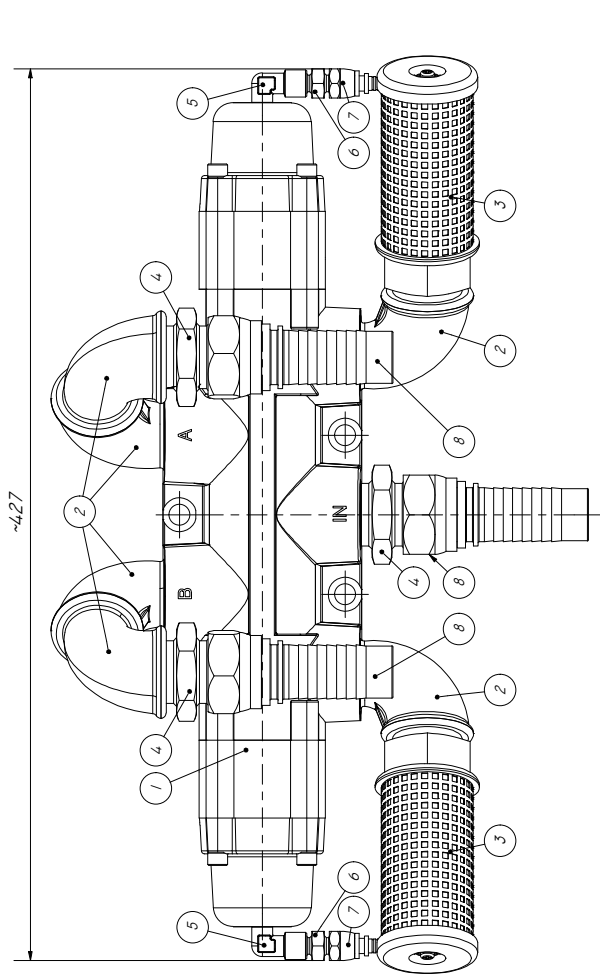
SURFACE ROUGHNESS

IF IN DOUBT ASK

UNLESS SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS

TOLERANCES
LINEAR
H9/k9
OVER 0.075 TO 0.15
OVER 0.15 TO 0.3
OVER 0.3 TO 0.6
OVER 0.6 TO 1.0
OVER 1.0 TO 2.0
OVER 2.0 TO 5.0

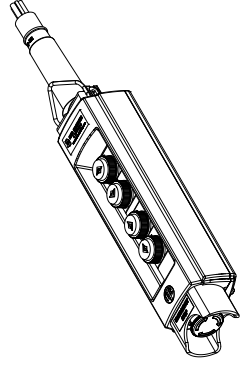
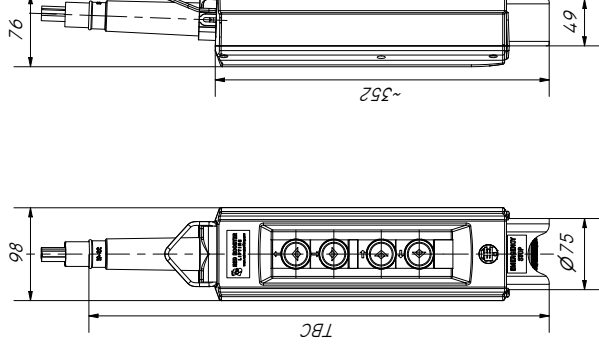
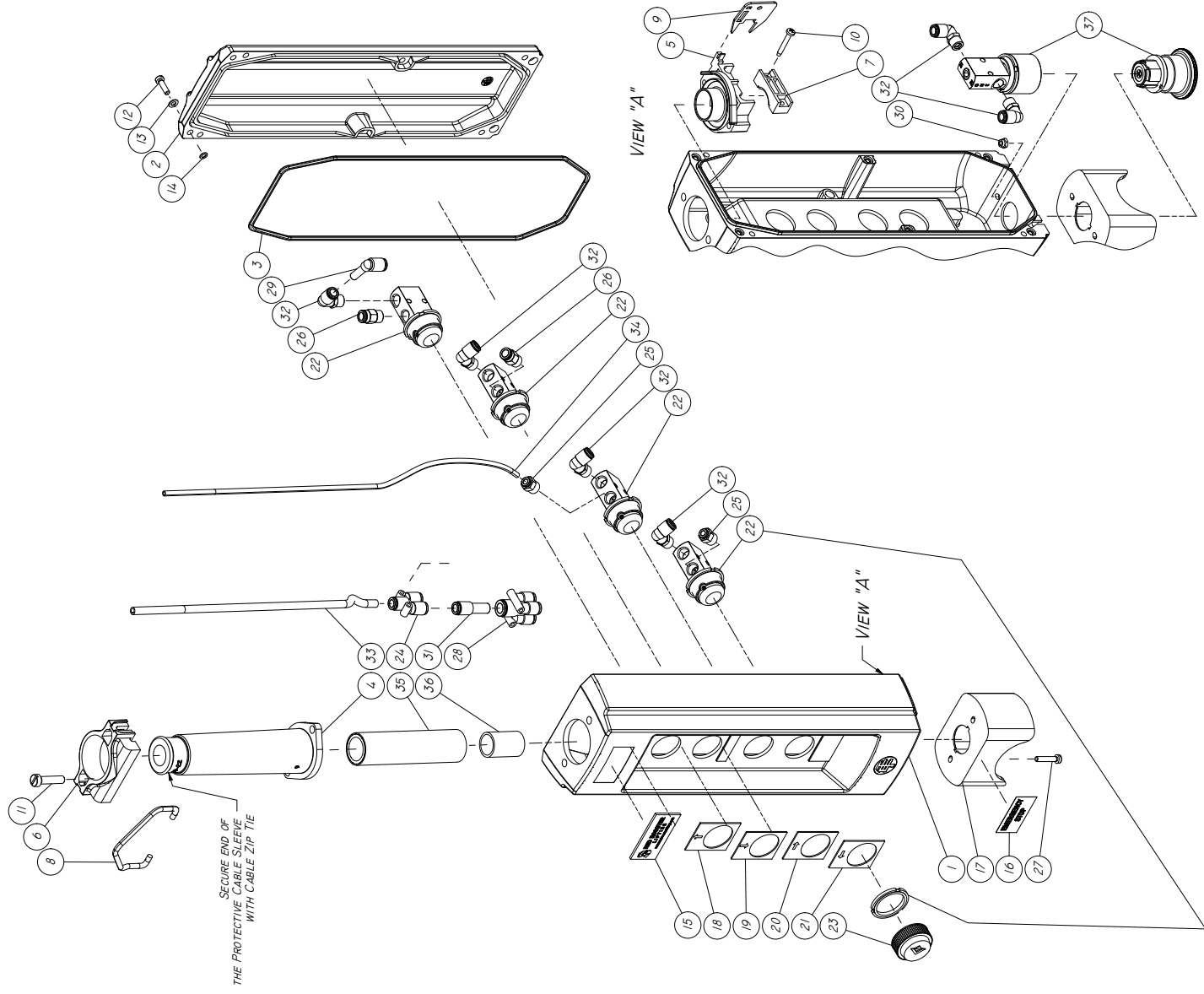
REVISION HISTORY		
REV.	DATE	APPROVED
0	20/07/2022	G. KRUPINSKI



PARTS LIST			REV.	
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	VLL-4-703-2B	VERSA PNEUMATIC DIRECTIONAL VALVE	
2	6	EEBML16	1" MALE TO FEMALE ELBOW	
3	2	ANAL-10	1" SILENCER	
4	3	BLH-00037	1" MALE TO 1" MALE NIPPLE	
5	2	MFL02NP	1/8" MALE TO FEMALE ELBOW	
6	2	100-0202	1/8" MALE TO 1/8" MALE NIPPLE	
7	2	FSG-2-4	1/8" BSP TO 1/4" SWIVEL HOSETAIL	
8	3	BSP-16-16-FM	1" SWIVEL HOSETAIL	
MATERIAL			TITLE OF PART	
SCALE			CONTROL VALVE C/W FITTINGS	
1:2,5			PART NUMBER	
			RRL 1505-CV	
			1 / 1	
DESIGNED BY			DATE	
T. MIKOLAJEWSKI			18/07/2022	
DRAWN BY			REVISION WEIGHT	
T. MIKOLAJEWSKI			0 -10KG	
CHECKED BY			REPLACES DRAWING	
G. KRUPINSKI			-	
APPROVED BY			PROFILE NUMBER	
B. AITKEN			-	
SHEET SIZE			TITLE OF PROJECT	
A3			25T AT	
			UNLESS OTHERWISE SPECIFIED	
			ALL DIMENSIONS IN MILLIMETERS	
			TOLERANCES	
			LINEAR	
			OTHER UP TO 30.0	
			OTHER UP TO 100.0	
			OTHER UP TO 300.0	
			OTHER 300.0 TO 1000.0	
			ANGULAR ±0.5°	
			SURFACE ROUGHNESS	
			IF IN DOUBT ASK	

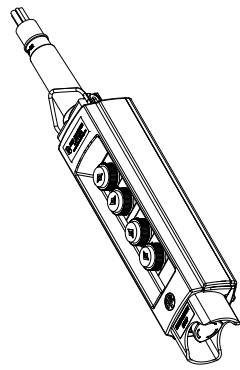
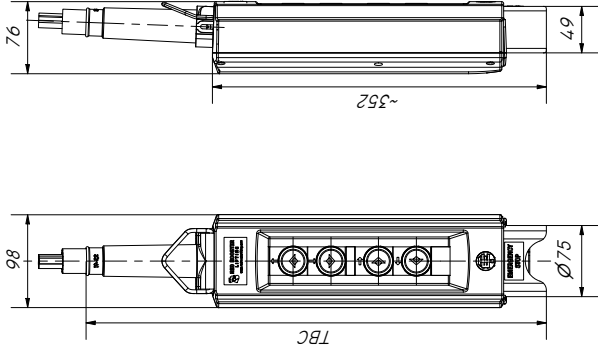
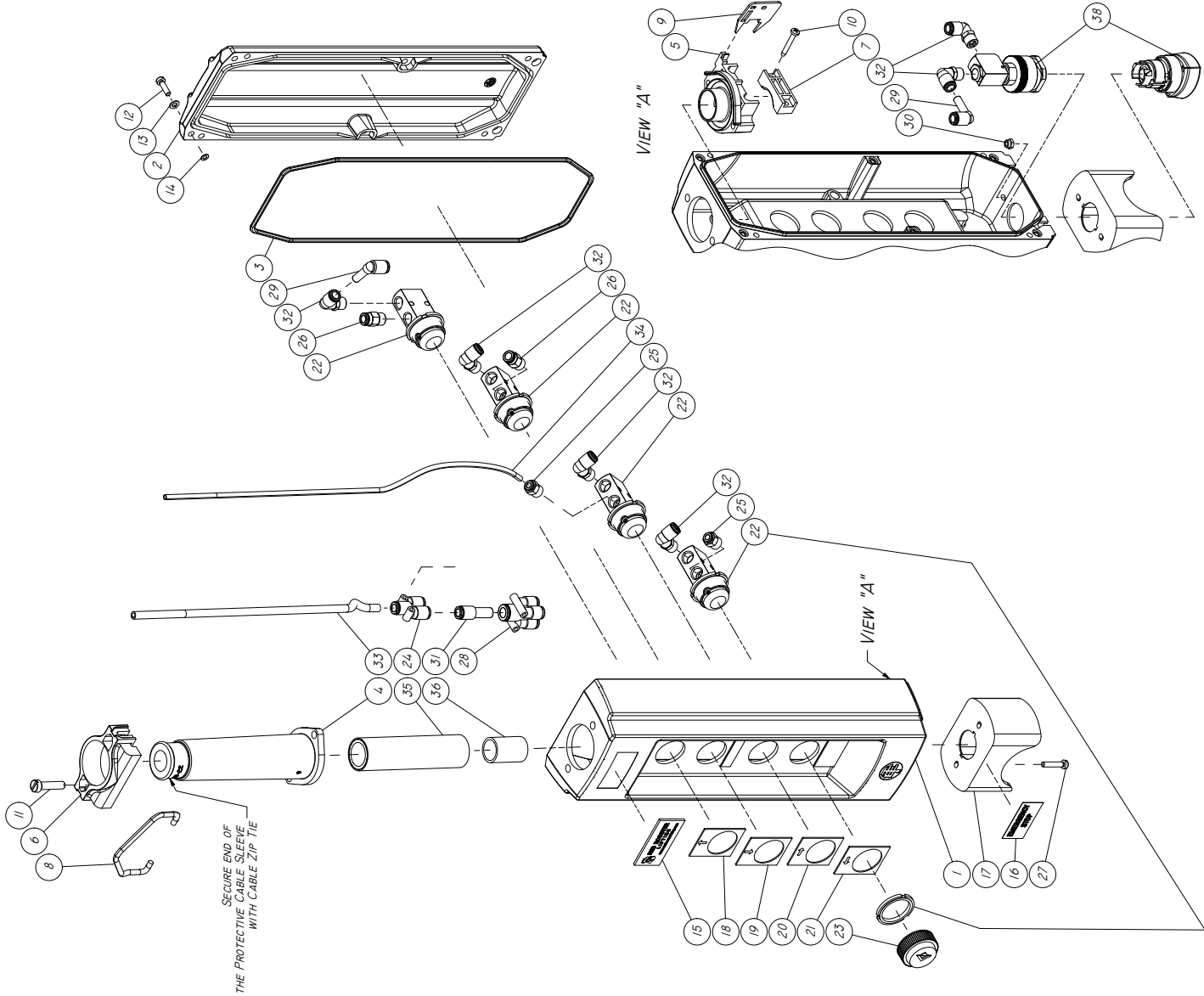
RR1-VTP4 - 4 STATION PENDANT C/W EMERGENCY STOP VALVE (BIK3206P-BS54)

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



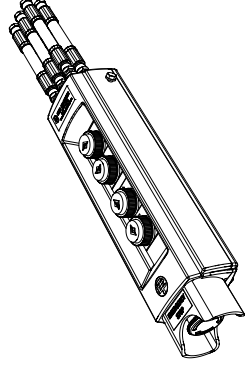
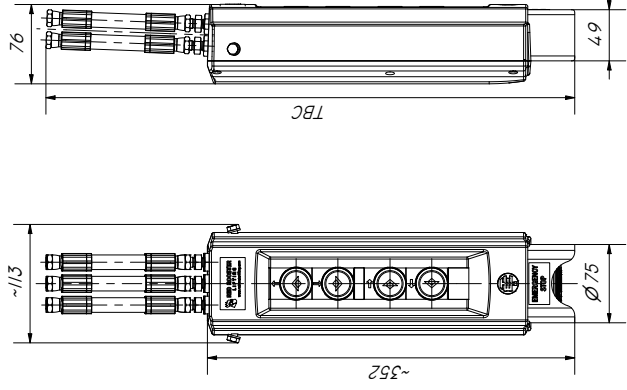
RRI-VTP4 - 4 STATION PENDANT C/M EMERGENCY STOP VALVE (BIK3206P-BSS4) - PARTS LIST			
ITEM QTY	PART NUMBER	DESCRIPTION	REV
1	RRI-VTP4-01	FRONT CASE	0
2	XAC404-02	REAR CASE	0
3	XAC404-03	RUBBER SEAL	0
4	XAC802-04	PROTECTIVE CABLE SLEEVE	0
5	XAC802-05	PROTECTIVE CABLE SLEEVE MOUNTING I	0
6	XAC802-06	PROTECTIVE CABLE SLEEVE MOUNTING II	0
7	XAC802-07	PROTECTIVE CABLE SLEEVE MOUNTING II - BRACKET	0
8	XAC802-08	PROTECTIVE CABLE SLEEVE MOUNTING II - HANGER	0
9	XAC802-09	CASE ENCLOSURE KEY	0
10	XAC802-10	CROSS REGRESSED PAN HEAD TAPPING SCREW 3.5x25	0
11	XAC802-11	SLOTTED CHEESE HEAD SCREW M6x25	0
12	XAC802-12	SLOTTED CHEESE HEAD SCREW M4x14	0
13	XAC802-13	WASHER M4	0
14	XAC802-14	PLASTIC WASHER M4	0
15	RRI-ABR-RED-ROOSTER	RED ROOSTER LABEL	0
16	RRI-STOP-STOP	EMERGENCY STOP LABEL	0
17	Y-STOP-GUARD	YELLOW E-STOP GUARD	0
18	Y-STOP-LEGEND	UP LEGEND	0
19	XAC-B-LEGEND-DOWN	DOWN LEGEND	0
20	XAC-B-LEGEND-RIGHT	RIGHT LEGEND	0
21	XAC-B-LEGEND-LEFT	LEFT LEGEND	0
22	BIK-3209-P-VALVE	BUTTON VALVE	0
23	BIK-3209-24-B-COVER	BUTTON COVER	0
24	F080	Y-BRANCH	0
25	F086	1/8" BSP TO 4MM PUSH FIT	0
26	F087	1/8" BSP TO 6MM PUSH FIT	0
27	I05P	SLOTTED CHEESE HEAD SCREW M4x20	0
28	P112	6MM DOUBLE Y-BRANCH	0
29	P118	6MM PLUG IN ELBOW	0
30	I33-IP	HEX NYLOC NUT M4	0
31	30LP	8MM-6MM REDUCER	0
32	30LP	1/8" BSP TO 6MM PUSH FIT ELBOW	0
33	HP7	6MM POLYURETHANE TUBES	0
34	HP8	4MM POLYURETHANE TUBES	0
35	HP4	3/4" BRAIDED PVC AIR HOSE	0
36	RRI-VTP2-02	STIFFENER	0
37	BIK3206P-BSS4	EMERGENCY STOP VALVE AND BUTTON	0
SCALE	MATERIAL	TITLE OF PART	PART NUMBER
37	BIK3206P-BSS4	GENERAL ASSEMBLY	RRI-VTP4-00
NTS	(REFERENCE)	DATE	1 / 2
DRAWN BY	SIGNATURE	DATE	07/11/2023
BY T. THORSEN	R. THORSEN	REVISION	WEIGHT
CHECKED BY	T. MIKA-ALEWISK	0	3.0 KG
APPROVED BY	P. SIEMAN	REVISED DRAWING	PROFILE NUMBER
SHEET SIZE	A3		-

RRI-VTP4 - 4 STATION PENDANT C/W EMERGENCY STOP VALVE (S406-MJV03-ASSY)



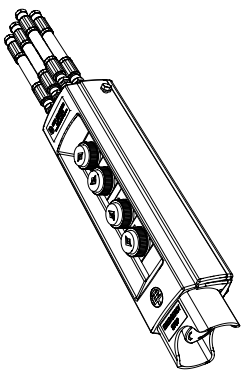
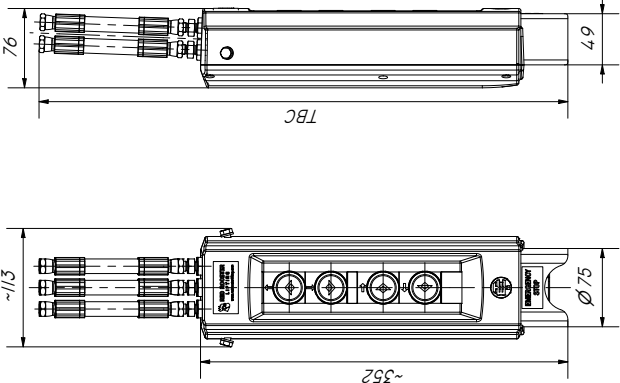
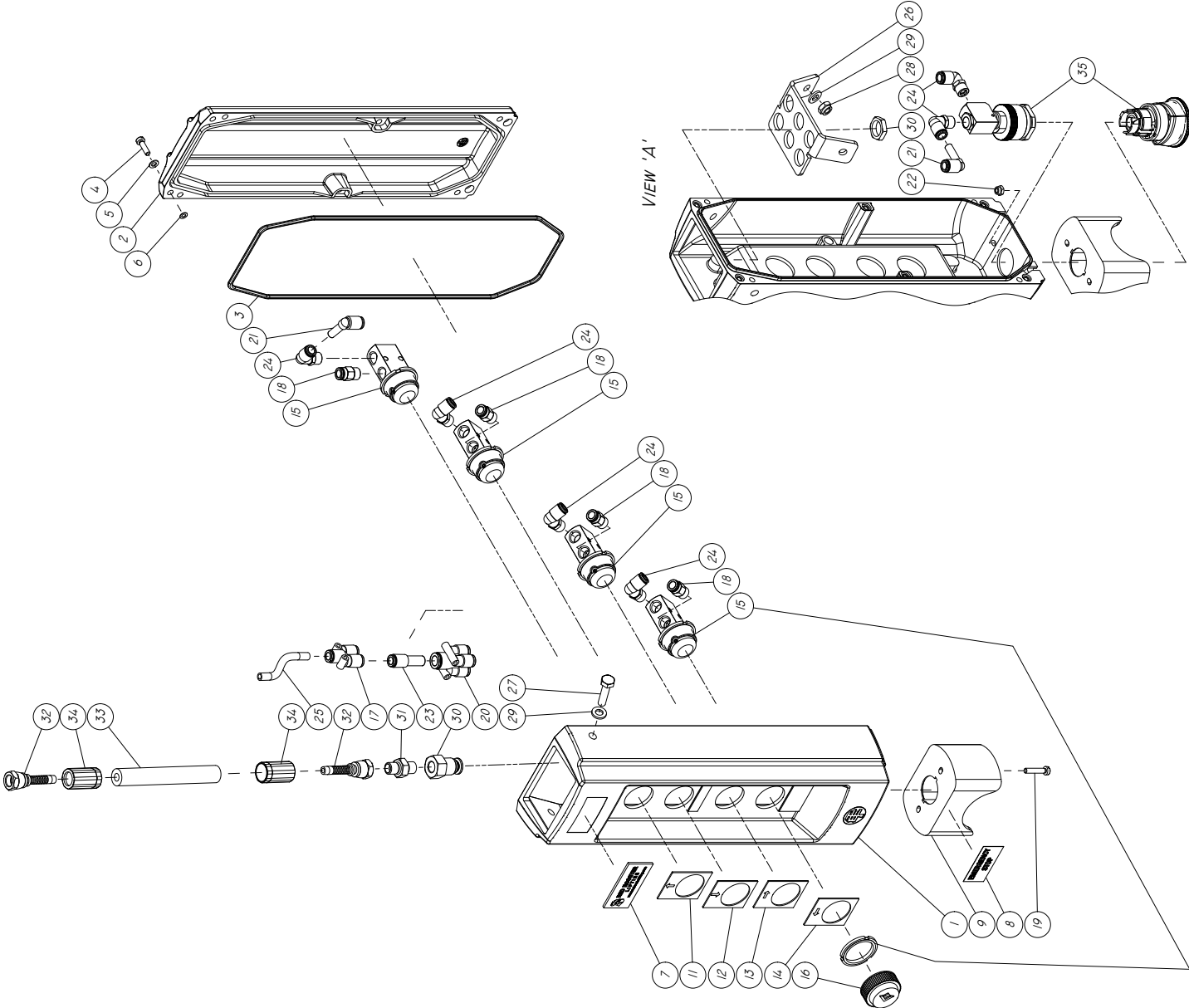
RRI-VTP4 - 4 STATION PENDANT C/W EMERGENCY STOP VALVE (S406-MJV03-ASSY) - PARTS LIST			
ITEM QTY	PART NUMBER	DESCRIPTION	REV.
1	RRI-VTP4-01	FRONT CASE	0
2	XACA02-02	RUBBER SEAL	
3	XACA02-04	PROTECTIVE CABLE SLEEVE	
4	XALB02-05	PROTECTIVE CABLE SLEEVE MOUNTING I	
5	XALB02-06	PROTECTIVE CABLE SLEEVE MOUNTING II	
6	XALB02-07	PROTECTIVE CABLE SLEEVE MOUNTING I - BRACKET	
7	XALB02-08	PROTECTIVE CABLE SLEEVE MOUNTING II - HANGER	
8	XALB02-09	CASE ENCLOSURE KEY	
9	XALB02-10	CROSS RECESSED PAN HEAD TAPPING SCREW 3.5X25	
10	XALB02-11	SLOTTED CHEESE HEAD SCREW M6X25	
11	XALB02-12	SLOTTED CHEESE HEAD SCREW M4X14	
12	XALB02-13	PLAS WASHER M4	
13	XALB02-14	RED POLYURETHANE TUBES	0
14	RRI-LABEL-REDROOSTER	EMERGENCY STOP LABEL	0
15	RRI-LABEL-STOP	YELLOW STOP LABEL	
16	RRI-LABEL-STOP	UP LEGEND	
17	XAC-B-L-LEGEND-UP	DOWN LEGEND	
18	XAC-B-L-LEGEND-DOWN	RIGHT LEGEND	
19	XAC-B-L-LEGEND-RIGHT	LEFT LEGEND	
20	XAC-B-L-LEGEND-LEFT	BUTTON VALVE	
21	BIK-3209-F-VALVE	BUTTON COVER	
22	BIK-3209-20L-B-COVER	Y1 BRANCH	
23	F080	1/8" BSP TO 4MM PUSH FIT	
24	F080	1/8" BSP TO 6MM PUSH FIT	
25	F087	1/8" BSP TO 6MM PUSH FIT	
26	F087	SLOTTED CHEESE HEAD SCREW M4X20	
27	105P	6MM DOUBLE Y-BRANCH	
28	P112	6MM PLUG IN ELBOW	
29	P118	HEX NYLOC NUT M4	
30	135-IP	8MM-6MM REDUCER	
31	301P	1/8" BSP TO 6MM PUSH FIT ELBOW	
32	304P	6MM POLYURETHANE TUBES	
33	HP7	4MM POLYURETHANE TUBES	
34	HP8	4MM POLYURETHANE TUBES	
35	HP4	3/4" BRAIDED PVC AIR HOSE	
36	RRI-VTP2-02	STIFFENER	
37	S406-MJV03-ASSY	EMERGENCY STOP VALVE AND BUTTON	
38			
SCALE			PART NUMBER
NTS			RRI-VTP4-00
TITLE OF PART			2 / 2
GENERAL ASSEMBLY			
DESIGNED BY	DATE	SIGNATURE	DATE
R. THORP	25/10/2023	R. Thorp	07/11/2023
DRAWN BY	DATE	SIGNATURE	REVISION WEIGHT
R. THORP	07/11/2023	R. Thorp	0 3.0 KG
CHECKED BY	DATE	SIGNATURE	REPLACES DRAWING
T. MCKALEWSKI	08/11/2023	T. McKalewski	-
APPROVED BY	DATE	SIGNATURE	PROFILE NUMBER
P. SIEMAN	09/11/2023	P. Sieman	-
TITLE OF PROJECT			
RRI-VTP4 - 4 STATION PENDANT			
SHEET SIZE			
A3			
UNLESS OTHERWISE SPECIFIED			
ALL DIMENSIONS ARE IN MILLIMETERS			
TOLERANCES			
LINEAR			
OVER 30 UP TO 50 ±0.1			
OVER 50 UP TO 100 ±0.15			
OVER 100 UP TO 150 ±0.2			
OVER 150 UP TO 300 ±0.3			
OVER 300 UP TO 600 ±0.5			
OVER 600 UP TO 1000 ±0.6			
ANGULAR ±0.5°			
SURFACE ROUGHNESS			
IF IN DOUBT ASK			

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



ITEM QTY		PART NUMBER		DESCRIPTION		REV.	
1	1		RR1-VTP4-M-0		FRONT CASE		0
2	1		XACM4-02		RUBBER SEAL		0
3	1		XACM4-03		SLOTTED CHEESE HEAD SCREW M4X14		0
4	6		XACB2-12		WASHER M6		0
5	6		XACB2-12		WASHER M6		0
6	0		XACB2-12		PLASTIC HOSE CLAMP		0
7	0		RR1-LABEL-REDROOSTER		RED ROOSTER LABEL		0
8	1		RR1-LABEL-E-STOP		EMERGENCY STOP LABEL		0
9	1		RR1-LABEL-E-STOP		EMERGENCY STOP LABEL		0
10	1		BK3206P-BSUL		EMERGENCY STOP VALVE AND BUTTON		0
11	1		XAC-B-LEGEND-UP		UP LEGEND		0
12	1		XAC-B-LEGEND-DOWN		DOWN LEGEND		0
13	1		XAC-B-LEGEND-RIGHT		RIGHT LEGEND		0
14	1		XAC-B-LEGEND-LEFT		LEFT LEGEND		0
15	4		BK1-3209-P-VALVE		BUTTON VALVE		0
16	4		BK1-3209-294-B-COVER		BUTTON COVER		0
17	1		P080		Y" BRANCH		0
18	4		P087		1/8" BSP TO GMM PUSH FIT		0
19	2		P087		SLOTTED CHEESE HEAD SCREW M4X20		0
20	1		P112		GMM DOUBLE Y" BRANCH		0
21	1		P118		GMM PLUG IN ELBOW		0
22	2		I33-IP		HEX NYLOC NUT M4		0
23	1		30LP		8MM GMM REDUCER		0
24	6		30LP		8MM GMM PUSH FIT ELBOW		0
25	12		HP7		GMM POLYURETHANE TUBES		0
26	1		RR1-VTP4-M-02		PENDANT BRACKET		0
27	2		ISO 4018 - M6 x 25		HEX-HEAD BOLT		0
28	2		I39P		HEX NYLOC NUT M6		0
29	4		P25P		6MM TO 1/8" BSP FULL 90° ADAPTOR		0
30	6		P25P		1/8" BSP HEX NUT FULL 90° CONE		0
31	4		P071-I		1/8" BSP TO 1/4" SWIVEL HOSE/TS		0
32	12		P08-I		1/4" ANTI-STATIC 20BAR AIR HOSE (BS EN ISO 2398-2016)		0
33	6		I-4-HOSE		1/4" HOSE FEMALE (GALVANISED)		0
34	12		P002-I		1/4" HOSE FEMALE (GALVANISED)		0
SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
NTS		(SEE EXHAUST)		GENERAL ASSEMBLY		RR1-VTP4-M-00	
DESIGNED BY		SURNAME		DATE		DATE	
DRAWN BY		R. THORPE		08/11/2023		09/11/2023	
CHECKED BY		R. THORPE		09/11/2023		REVISION WEIGHT	
APPROVED BY		T. MICKA A-ENGIN		13/11/2023		0 3.6 kg	
SHEET SIZE		P. SHEWAN		14/11/2023		REPLACES DRAWING	
A3		TITLE OF PROJECT		RR1-VTP4-M - 4 STATION PENDANT		PROFILE NUMBER	
						-	
						-	

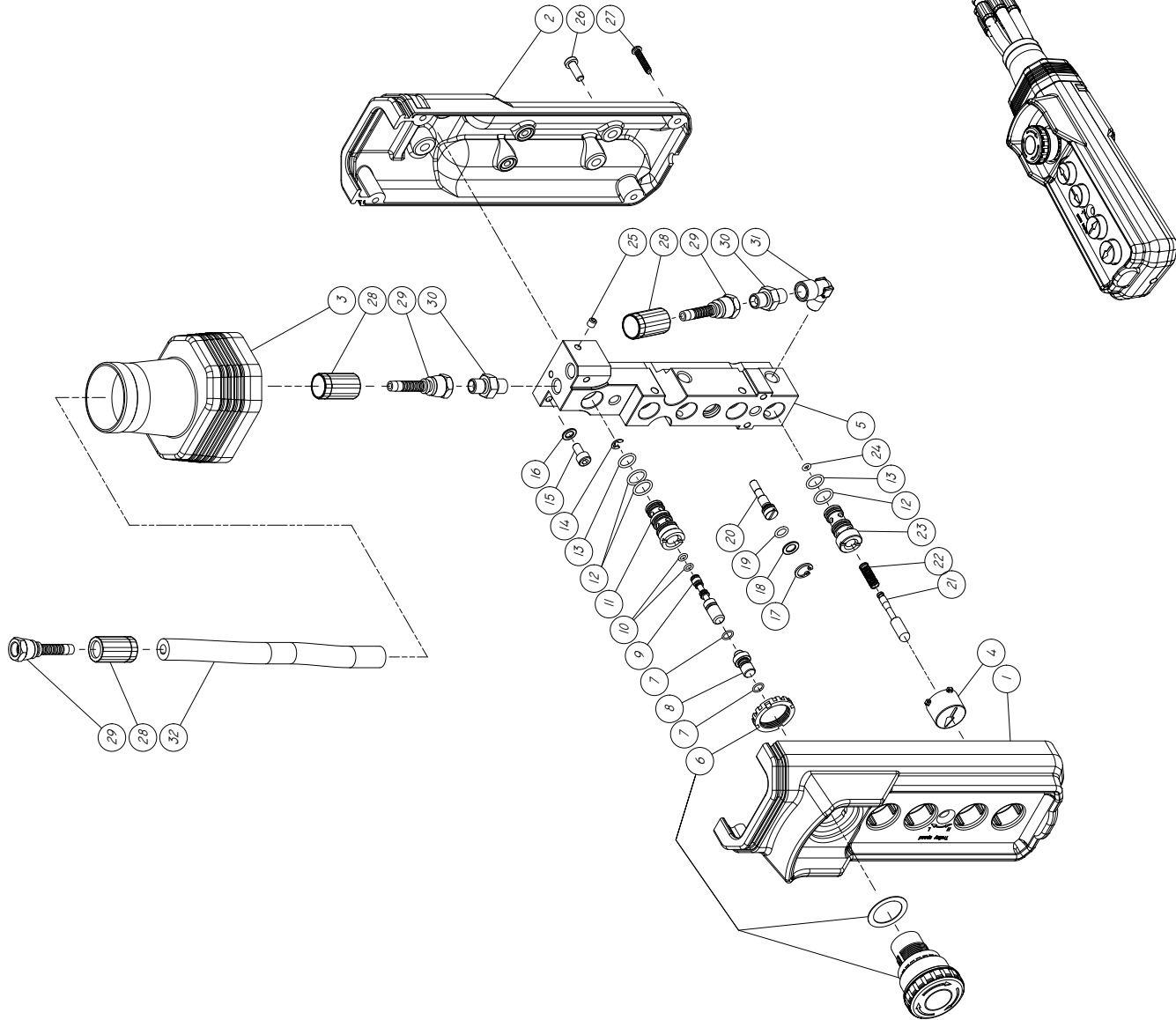
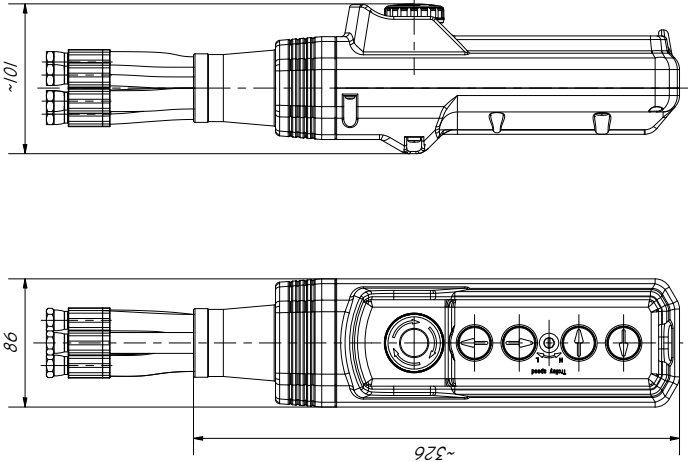
RRI-VTP4-M - 4 STATION PENDANT C/W EMERGENCY STOP VALVE (S406-MJV03-ASSY)



RRI-VTP4-M - 4 STATION PENDANT C/W EMERGENCY STOP VALVE (S406-MJV03-ASSY) - PARTS LIST			
ITEM QTY	PART NUMBER	DESCRIPTION	REV.
1	RRI-VTP4-M-01	FRONT CASE	0
2	XACA04-02	RUBBER SEAL	
3	XACA04-03	RUBBER SEAL	
4	XACB02-12	SLOTTED CHEESE HEAD SCREW M4X14	
5	XACB02-13	WASHER M4	
6	XACB02-14	PLASTIC WASHER M4	0
7	RRI-LABEL-REDROOSTER	RED ROOSTER LABEL	0
8	RRI-LABEL-E-STOP	EMERGENCY STOP LABEL	0
9	E-STOP-GUARD-UP	UP LEGEND	
10	XAC-B-LEGEND-DOWN	DOWN LEGEND	
11	XAC-B-LEGEND-RIGHT	RIGHT LEGEND	
12	XAC-B-LEGEND-LEFT	LEFT LEGEND	
13	BIX-3209-F-VALVE	BUTTON VALVE	
14	BIX-3209-224-B-COVER	BUTTON COVER	
15	P080	BRANCH	
16	P087	1/8" BSP TO OHN FLUSH FIT	
17	108P	SLOTTED CHEESE HEAD SCREW M4X20	
18	FLIZ	OHN DOUBLE Y BRANCH	
19	1518	OHN PLUG IN ELBOW	
20	1531P	HEX NUT M4	
21	301P	OHN-ONN REDUCER	
22	301P	1/8" BSP TO OHN FLUSH FIT ELBOW	
23	487	OHN ROLLER TUBES	
24	RRI-VTP4-M-02	FRONT BRACKET	0
25	ISO 4018 - M6 X 25	HEX NUT M6	
26	145P	HEX NUT M6	
27	P24.5	FLAT WASHER M6	
28	P071-I	6MM TO 1/8" BSP BULKHEAD ADAPTOR	
29	P071-I	1/8" BSP HEX NUT M6 C/W 60° CONE	
30	P016-I	1/8" BSP TO 1/4" SWIVEL HOSE TAIL	
31	1-4 HOSE	1/4" ANTI-STATIC 20BAR BLACK AIR HOSE (BS EN ISO 2396:2016)	
32	P002-I	1/4" HOSE FERRULE (GALVANISED)	
33	P002-I	EMERGENCY STOP VALVE AND BUTTON	
34	S406-MJV03-ASSY	GENERAL ASSEMBLY	
35			
TITLE OF PART			
RRI-VTP4-M-00			
2 / 2			
UNLESS OTHERWISE SPECIFIED			
ALL DIMENSIONS ARE IN MILLIMETERS			
LINEAR			
UP TO ±0.05			
OVER 0.05 TO 0.1			
OVER 0.1 TO 0.5			
OVER 0.5 TO 1.0			
OVER 1.0 TO 5.0			
OVER 5.0 TO 10.0			
OVER 10.0 TO 50.0			
OVER 50.0 TO 100.0			
OVER 100.0 TO 500.0			
OVER 500.0 TO 1000.0			
OVER 1000.0 TO 5000.0			
OVER 5000.0 TO 10000.0			
OVER 10000.0 TO 50000.0			
OVER 50000.0 TO 100000.0			
OVER 100000.0 TO 500000.0			
OVER 500000.0 TO 1000000.0			
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OVER 5000.0 TO 100.0			

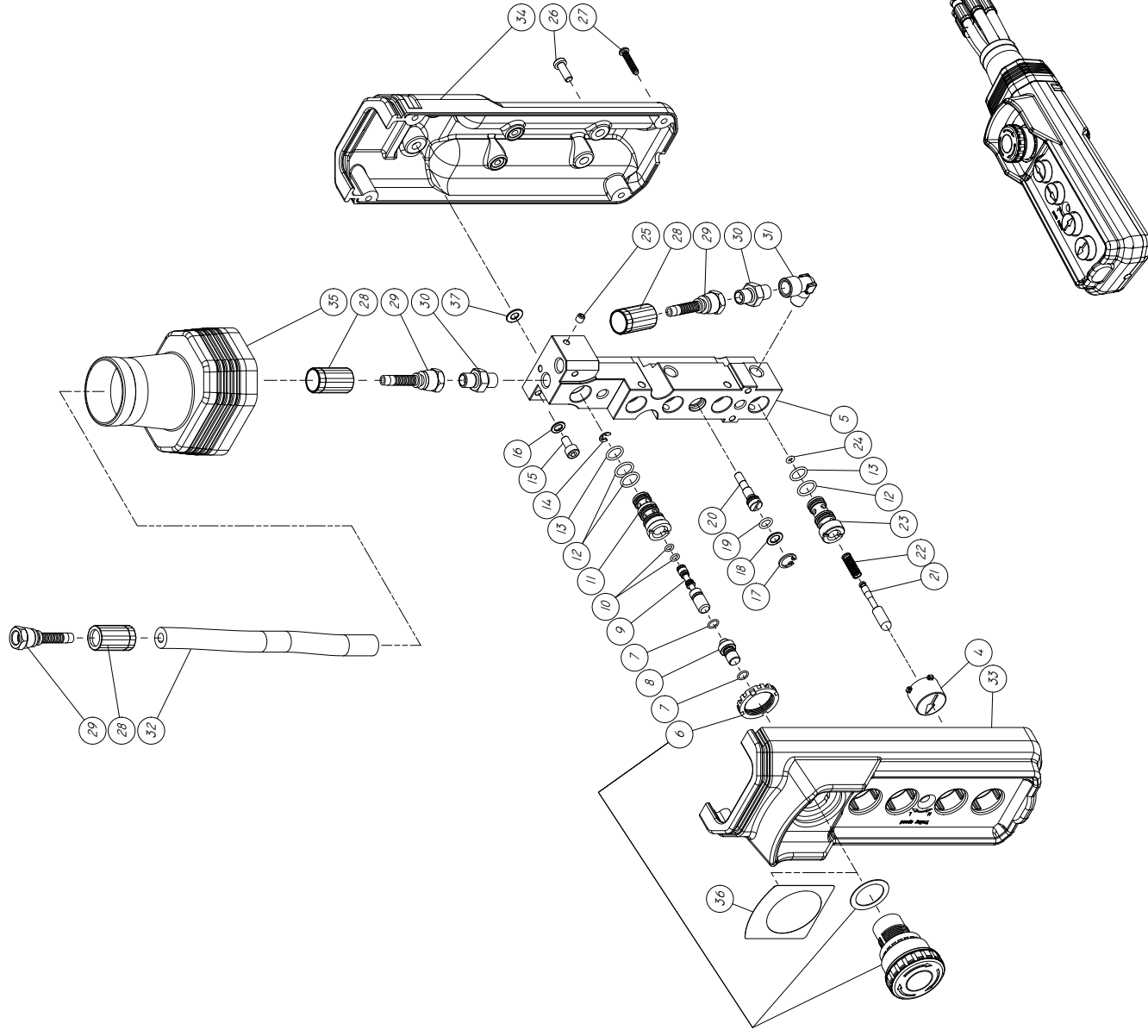
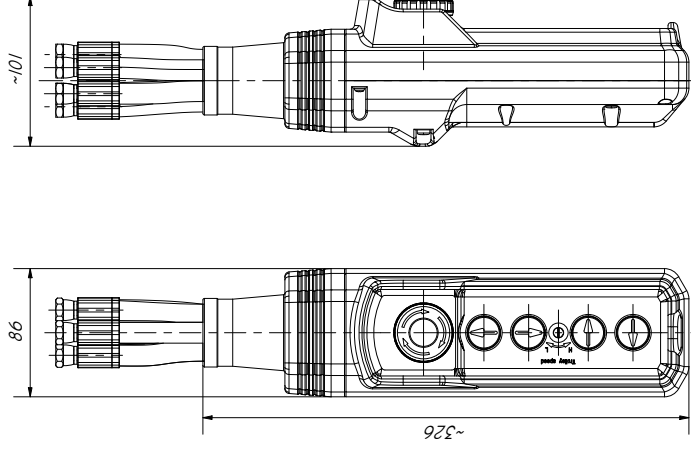
VRD-4R STATION PENDANT - STANDARD VERSION

REV.	DATE	APPROVED
0	2/03/2024	PAUL SHEWAN



VRD-4R STATION PENDANT - STANDARD VERSION - PARTS LIST			
ITEM QTY	PART NUMBER	DESCRIPTION	REV
1	420235W50	FRONT CASE	
2	420235W50	REAR CASE	
3	136608256	BOOT	
4	420235X40	BUTTON	
5	420235V40	VALVE BODY	
6	420235V40	EMERGENCY STOP BUTTON	
7	136602003	O-RING S-6	
8	137035002	PUSH ROD	
9	420228W00	EMERGENCY STOP VALVE	
10	420224V01	O-RING S-4	
11	420228V50	EMERGENCY STOP BUSHING	
12	137035009	O-RING S-11.2	
13	137035008	O-RING S-1/2	
14	137035010	RETAINING RING E-4	
15	137035012	HEX SOCKET HEAD CAP SCREW M5X10	
16	137035014	WASHER M5	
17	137035016	RETAINING RING H-12	
18	137035018	WASHER M6	
19	137035016	O-RING S-7	
20	420235V40	ADJUST SCREW	
21	420235V40	THROTTLE VALVE	
22	136802036	SPRING DA1820.32	
23	420218V07	BUSHING	
24	137024001	O-RING S-5 (HS90)	
25	137035005	HEX SOCKET SET SCREW M5X5	
26	137024014	PHILLIPS PAN HEAD MACHINE SCREW M5X16	
27	137024021	PHILLIPS PAN HEAD SELF-TAPPING SCREW 4X20	
28	P002-1	1/4" HOSE FERRULE (GALVANISED)	
29	P016-1	1/8" BSP 10 1/4" SWIVEL HOSE TAIL	
30	P011-1	1/8" BSP HEX NIPPLE C/W 60° CONE	
31	P128	1/8" BSP COMPACT ELBOW C/W 60° CONE	
32	1/4" HOSE	1/4" ANTI-STATIC 20BAR BLACK AIR HOSE (BS EN ISO 2398-2016)	
SCALE	1:1		
NTS		GENERAL ASSEMBLY	
DESIGNED BY	R. THOREK	DATE 11/09/2023	
DRAWN BY	T. THOREK	REVISION WEIGHT 0 2.8 KG	
CHECKED BY	T. MICHALAKWISZ	REPLACES NUMBER -	
APPROVED BY	P. SHERMAN	PROFILE NUMBER -	
SHEET SIZE A3	TITLE OF PROJECT VRD-4R STATION PENDANT		
SIGNATURE		SIGNATURE	
DATE 05/09/2023		DATE 05/09/2023	
DRAWN BY T. MICHALAKWISZ		DRAWN BY T. MICHALAKWISZ	
CHECKED BY P. SHERMAN		CHECKED BY P. SHERMAN	
APPROVED BY P. SHERMAN		APPROVED BY P. SHERMAN	
SHEET SIZE A3		SHEET SIZE A3	

VRD-4R STATION PENDANT - ATEX VERSION



ITEM QTY		PART NUMBER	DESCRIPTION	REV.
4	4	420235X10	BUTTON	
5	1	420235V10	VALVE BODY	
9	1	136090503	EMERGENCY STOP BUTTON	
9	2	131030014	O-RING S-6	
8	1	420235W10	PUSH ROD	
9	1	420235W10	EMERGENCY STOP VALVE	
10	2	420235W10	EMERGENCY STOP VALVE	
11	1	420238U50	O-RING S-11/2	
12	6	131030009	O-RING S-10	
13	5	130303008	RETAINING RING E-4	
14	1	130303004	HEX SOCKET HEAD CAP SCREW M5X10	
15	1	1310705310	WASHER M5	
16	1	131092005	RETAINING RING H-1/2	
17	1	130301912	WASHER M6	
18	1	131092006	O-RING S-7	
19	1	131030005	ADJUST SCREW	
20	1	420235VM0	THROTTLE VALVE	
21	4	420218V80	SPRING 6X18X0.32	
22	4	130802036	BUSHING	
23	4	420218V00	O-RING S-3 (HS90)	
24	4	1310709001	HEX SOCKET SET SCREW M5X5	
25	4	1320705305	PHILLIPS PAN HEAD MACHINE SCREW M5X14	
26	4	132040114	PHILLIPS PAN HEAD SELF-TAPPING SCREW 4X20	
27	6	1329004221	1/4" HOSE FERRULE (GALVANISED)	
28	12	P002-1	1/4" HOSE FERRULE (GALVANISED)	
29	12	P002-1	1/8" BSP TO 1/4" SWIVEL HOSETAIL	
30	6	P071-1	1/8" BSP HEX NIPPLE C/W 60° CONE	
31	4	P128	1/8" BSP COMPACT ELBOW C/W 60° CONE	
32	6	14-4 HOSE	1/4" ANTI-STATIC ZUBAR BLACK AIR HOSE (BS EN ISO 2398:2016)	
33	1	420235W50	FRONT CASE	
34	1	420235W60	REAR CASE	
35	1	1360108237	BOOT S	
36	1	131010016	YELLOW STICKER	
37	4	131010016	WASHER M5	
SCALE	MATERIAL		TITLE OF PART	PART NUMBER
N7S	(NO EQUIVALENTS)		GENERAL ASSEMBLY	VRD-4R-00 2 / 2
DESIGNED BY	SURNAME	DATE	SIGNATURE	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS
DRAWN BY	R. TWORER	05/09/2023	<i>R. Tworer</i>	LINEAR UP TO 5 ±0.05 OVER 5 TO 30 ±0.1 OVER 30 TO 100 ±0.15 OVER 100 TO 300 ±0.2 OVER 300 TO 1000 ±0.3 ANGULAR 4.0 ±0.5° IF IN DOUBT ASK
CHECKED BY	T. MICHALAKUSKI	11/09/2023	<i>T. Michalakuski</i>	REVISION WEIGHT
APPROVED BY	P. SIEMAN	12/10/2023	<i>P. Sieman</i>	0 2.8 KG
SHEET SIZE	TITLE OF PROJECT		REPLACES DRAWING	PROFILE NUMBER
A3	VRD-4R STATION PENDANT		-	-