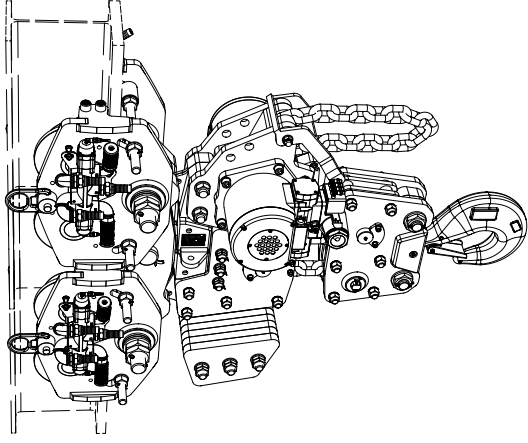
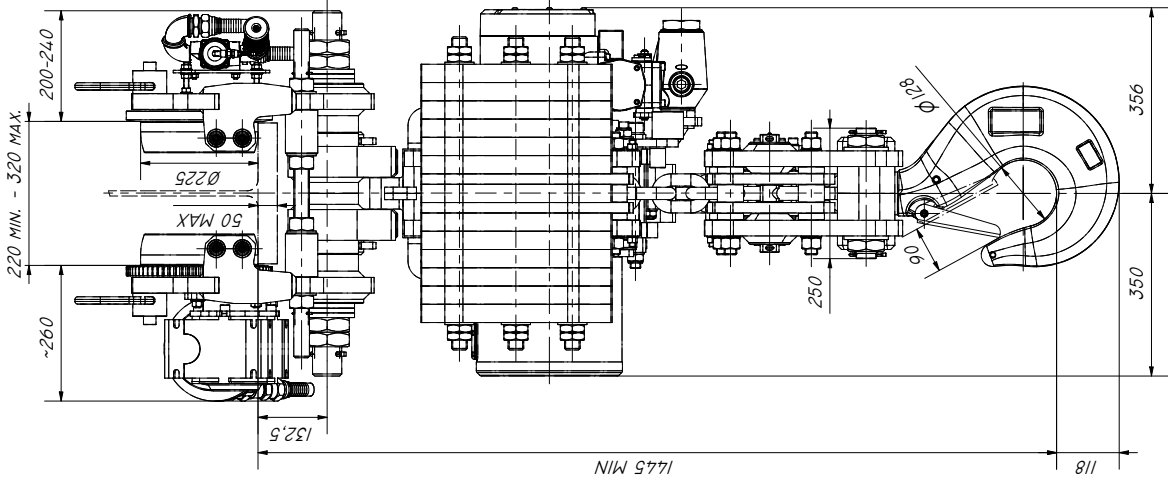
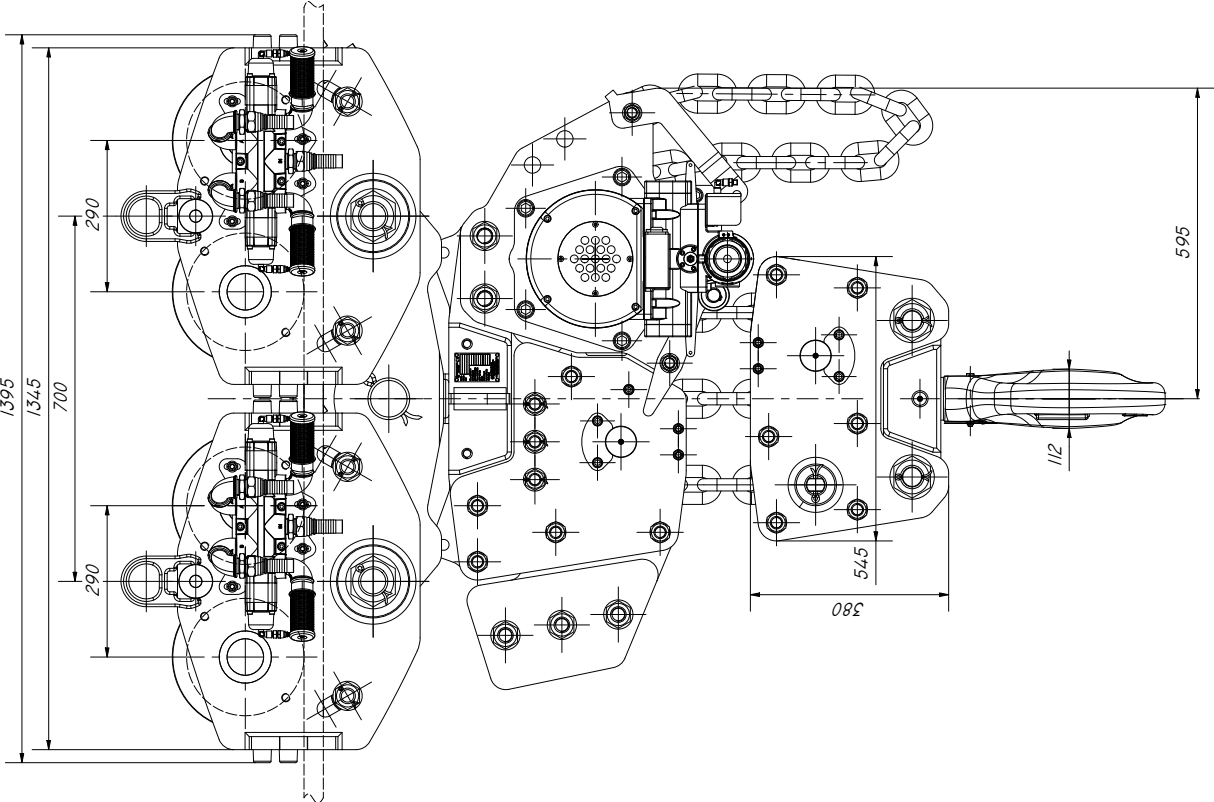
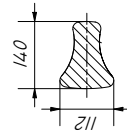
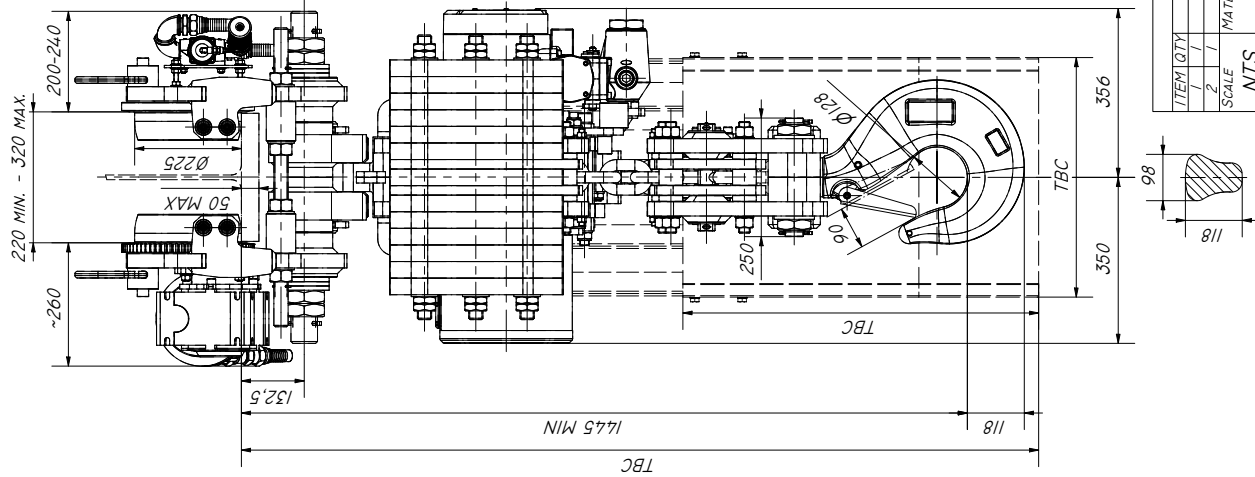


REVISION HISTORY		
REV.	DATE	APPROVED
0	01/07/2024	PAUL SHEWAN

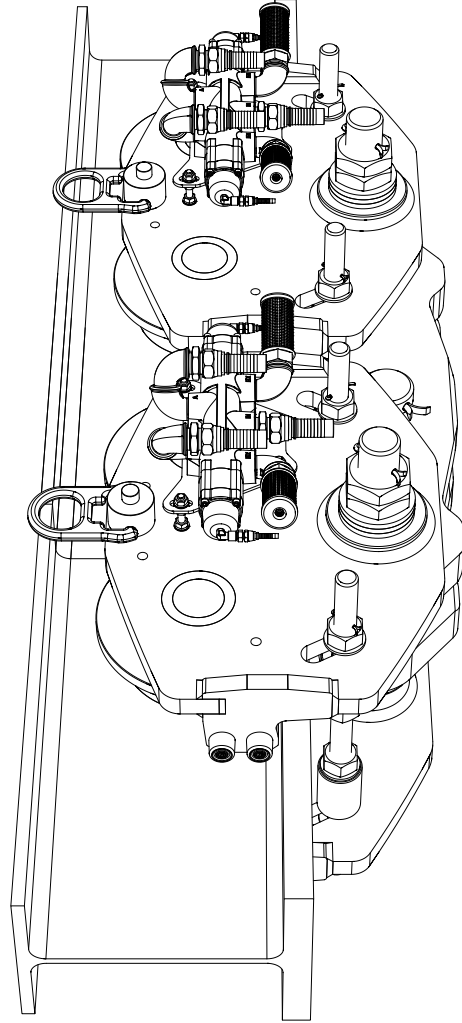
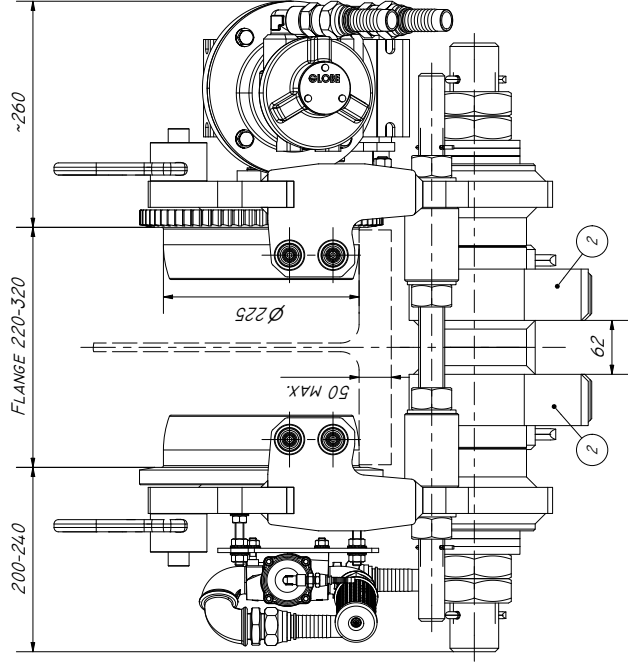
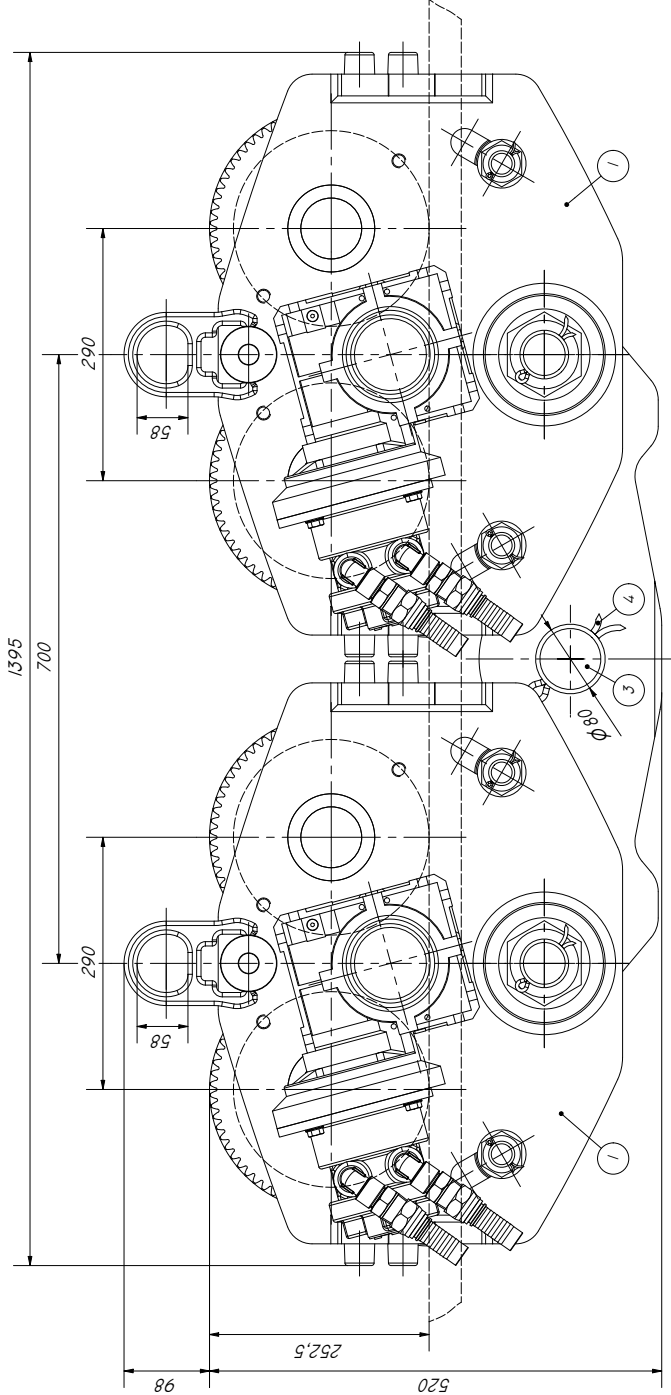


SCALE		MATERIAL		TITLE OF PART		GENERAL ASSEMBLY		PART NUMBER	
NTS		(OR EQUIVALENT)		SURNAME		DATE		RRL 1507-00	
DESIGNED BY		R. TWOREK		10/06/2024		10/06/2024		1 / 2	
DRAWN BY		R. TWOREK		10/06/2024		10/06/2024		UNLESS OTHERWISE SPECIFIED	
CHECKED BY		T. MINOLAJENSKI		11/06/2024		0		ALL DIMENSIONS ARE IN MILLIMETERS	
APPROVED BY		P. SHEWAN		12/06/2024		~2100 KG		TOLERANCES	
SHEET SIZE		A3		TITLE OF PROJECT		REPLACES DRAWING		LINEAR	
						-		UP TO 5 ±0.05	
								OVER 5 TO 10 ±0.1	
								OVER 10 TO 30 ±0.15	
								OVER 30 TO 100 ±0.2	
								OVER 100 TO 300 ±0.3	
								ANGULAR ±0.5°	
								SURFACE FINISHNESS N7	
								IF IN DOUBT ASK	



ITEM QTY		PART NUMBER		PARTS LIST	
1	1	RRL 1507-01	DESCRIPTION	REV.	
1	1	RRL 1507-01	TANDEM TROLLEY	0	
2	1	RRL 1570-00	GENERAL ASSEMBLY	0	
SCALE		MATERIAL		PART NUMBER	
NTS		(OR EQUIVNT)		RRL 1507-00	
DESIGNED BY		SERVICE	DATE	TOLERANCES	
DRAWN BY		R. THOREK	10/06/2024	UNLESS OTHERWISE SPECIFIED	
CHECKED BY		R. THOREK	10/06/2024	ALL DIMENSIONS ARE IN MILLIMETERS	
APPROVED BY		T. MINOLAEVSKI	11/06/2024	LINEAR	
SHEET SIZE		P. SHEWAN	10/06/2024	ANGULAR	
A3		TITLE OF PROJECT		SURFACE ROUGHNESS	
				DATE 10/06/2024 REVISION 0 WEIGHT ~2100 KG REPLACES DRAWING - PROFILE NUMBER - ANGULAR $\pm 0.5^\circ$ SURFACE ROUGHNESS $\sqrt{}$ IF IN DOUBT ASK	
		TMH4.5 - 45T 3F H8 T			

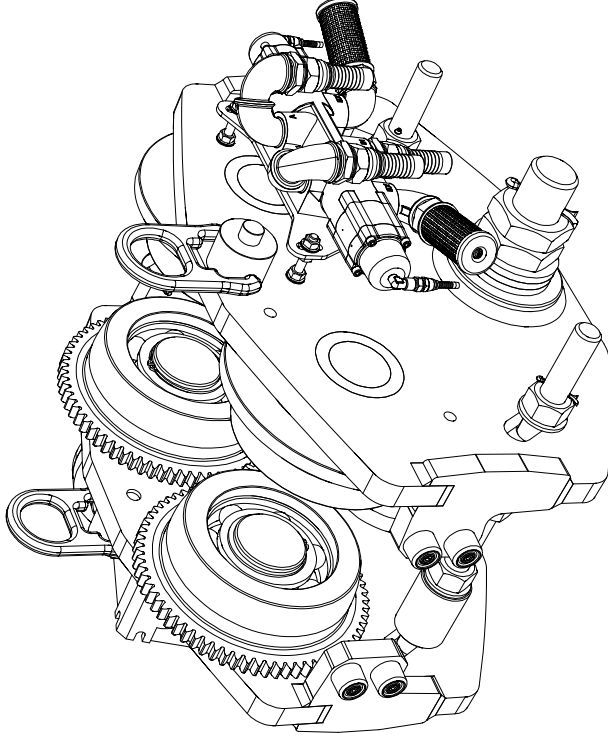
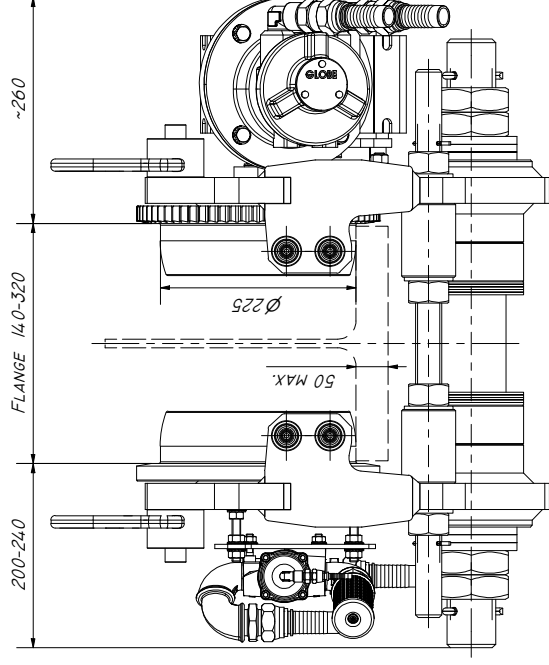
REVISION HISTORY		
REV.	DATE	APPROVED
0	29/04/2024	PAUL SHEWAN



ITEM QTY		PARTS LIST	
1	2	RRL 1505-01	25T AIR TROLLEY
2	2	RRL 1509-02	TANDEM PLATE
3	1	RRL 1507-02	HANGER PIN
4	2	DIN EN ISO 1234 - 13X100	SPLIT PIN
SCALE		TITLE OF PART	
NTS		TANDEM TROLLEY	
DESIGNED BY		DATE	
T. MINGOLLA/ENSWI		26/04/2024	
DRAWN BY		REVISION WEIGHT	
T. MINGOLLA/ENSWI		0 ~800KG	
CHECKED BY		REPLACES DRAWING	
P. SHEWAN		-	
APPROVED BY		PROFILE NUMBER	
P. SHEWAN		-	
SHEET SIZE		TITLE OF PROJECT	
A3		TMH4.5 - 45T 3F H8.T	
		PART NUMBER	
		RRL 1507-01	
		UNLESS OTHERWISE SPECIFIED	
		ALL DIMENSIONS ARE IN MILLIMETERS	
		TOLERANCES	
		LINEAR	
		UP TO 30.0 ±0.3	
		OVER 30.0 UP TO 60.0 ±0.5	
		OVER 60.0 UP TO 100.0 ±0.8	
		OVER 100.0 ±1.0	
		ANGULAR ±0.5°	
		SURFACE ROUGHNESS √	
		IF IN DOUBT ASK	

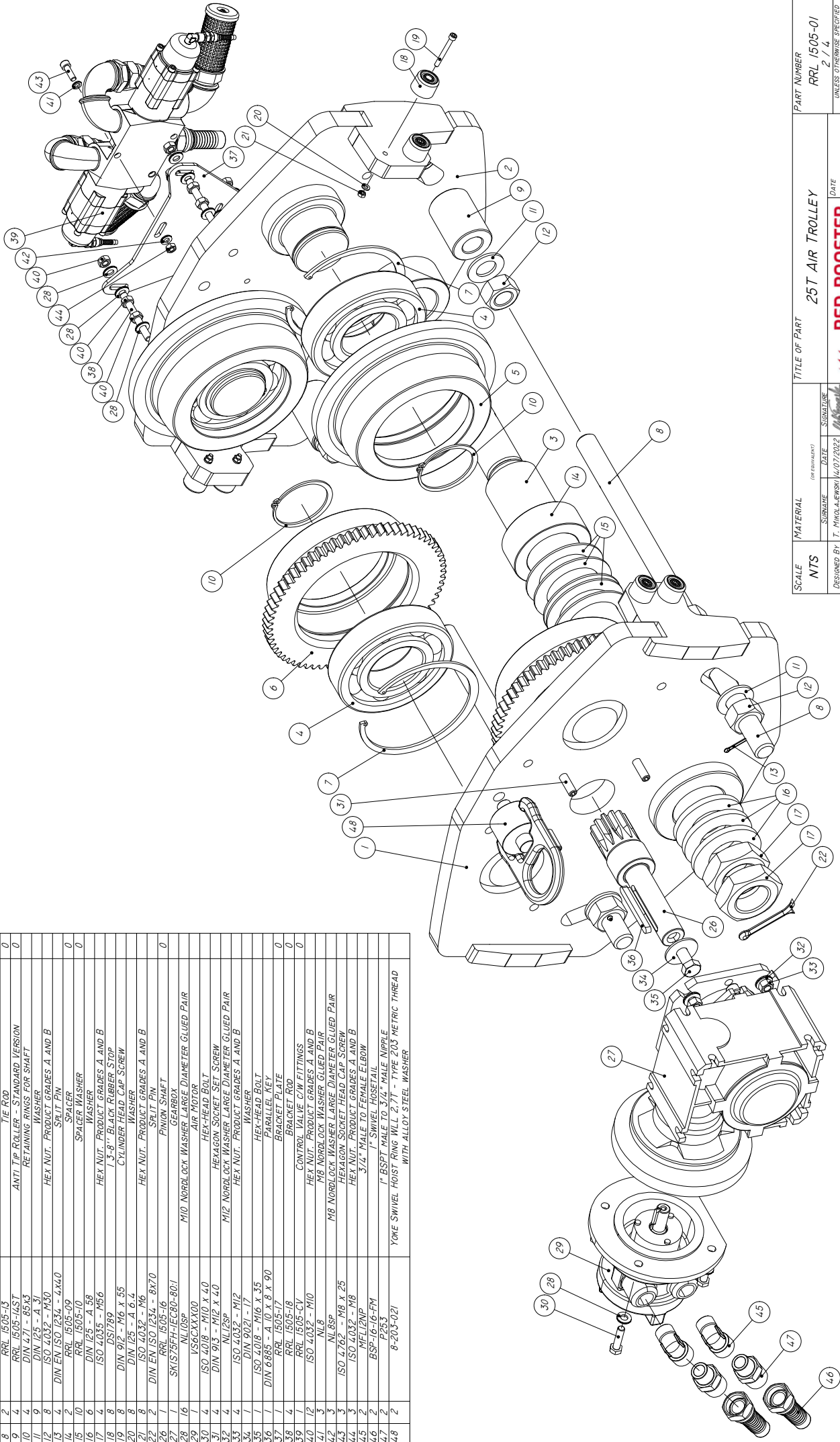
REVISION HISTORY		
REV.	DATE	APPROVED
0	20/07/2022	G. KRUPINSKI

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

[illegible]

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	DIN 125 - A 55	CYLINDER HEAD CAP SCREW	0
19	DIN 912 - M6 x 55	WASHER	0
20	ISO 4032 - M6	HEX NUT. PRODUCT GRADES A AND B	0
21	DIN EN ISO 1234 - 8x70	SPLIT PIN	0
22	RRL 1505-16	PINION SHAFT	0
23	SH/S19TH-16C80-80.1	GEARBOX	0
24	NL108P	M10 NORBLOK WASHER LARGE DIAMETER GLUED PAIR	0
25	V56CXX100	AIR MOTOR	0
26	ISO 4018 - M10 x 4.0	HEX-HEAD BOLT	0
27	DIN 914 M12 x 4.0	HEXAGON SOCKET SET SCREW	0
28	NL125P	M12 NORBLOK WASHER LARGE DIAMETER GLUED PAIR	0
29	ISO 1035 - M12	HEX NUT. PRODUCT GRADES A AND B	0
30	DIN 10291	WASHER	0
31	ISO 4018 - M6 x 35	HEX-HEAD BOLT	0
32	DIN 6885 - A 10 x 8 x 90	PARALLEL KEY	0
33	RRL 1505-17	BRACKET PLATE	0
34	RRL 1505-CV	CONTROL VALVE C/V FITTINGS	0
35	ISO 4032 - M10	HEX NUT. PRODUCT GRADES A AND B	0
36	NL 8P	M8 NORBLOK WASHER LARGE DIAMETER GLUED PAIR	0
37	ISO 4762 - M8 x 25	M8 NORBLOK WASHER LARGE DIAMETER GLUED PAIR	0
38	ISO 4032 - M8	HEXAGON SOCKET HEAD CAP SCREW	0
39	NFL12NP	HEX NUT. PRODUCT GRADES A AND B	0
40	BSP-16-16-FM	3/4" MALE TO FEMALE ELBOW	0
41	P25.3	1" SWIVEL HOSE TAIL	0
42	8-203-021	1" BSPT MALE TO 3/4" MALE NIPPLE	0
43		YOKO SWIVEL HOIST RING WILL 2 TT - TYPE 203 METRIC THREAD	0
44		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	0
DRAWN BY	T. MIKOLAJEWSKI	SIGNATURE		REVISION WEIGHT	0	~\$50KG	
CHECKED BY	G. KRUPINSKI	DATE	19/07/2022	REPLACES DRAWING	-		
APPROVED BY	B. AITKEN	DATE	20/07/2022	PROFILE NUMBER	-		
SHEET SIZE	A3	TITLE OF PROJECT	25T AT				



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CLIPPING THE ROOSTER
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WALWA WOLFE THE ROOSTER
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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

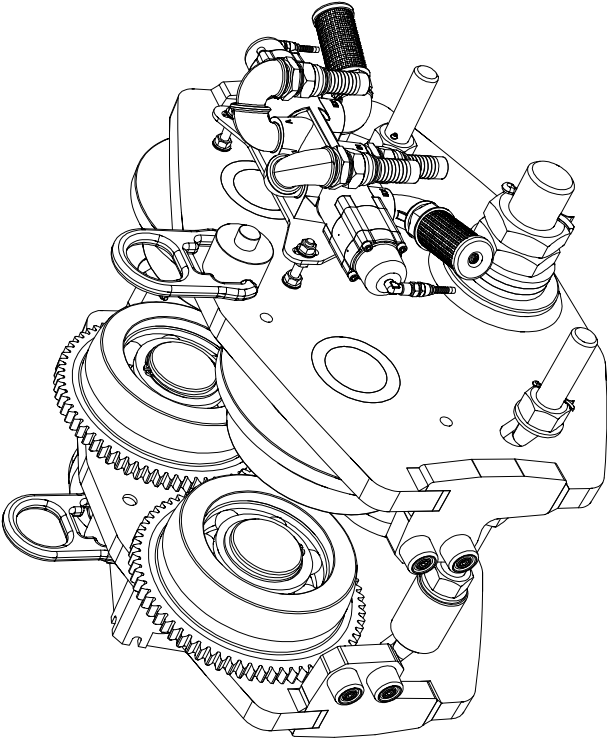
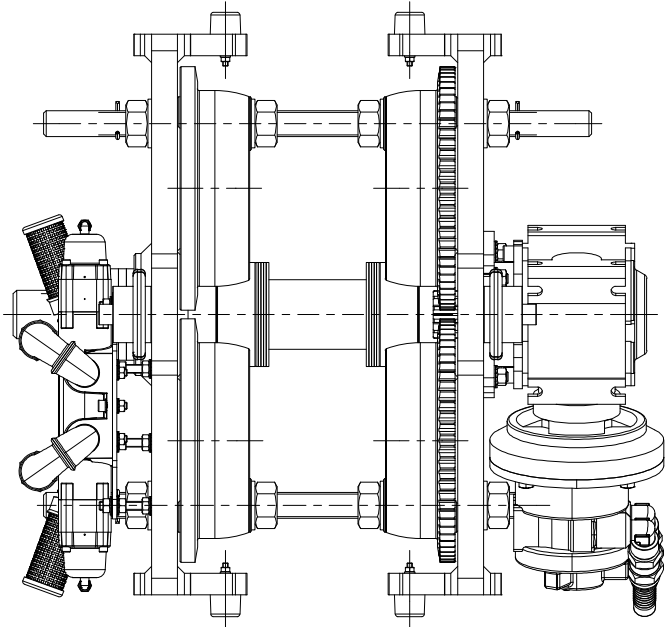
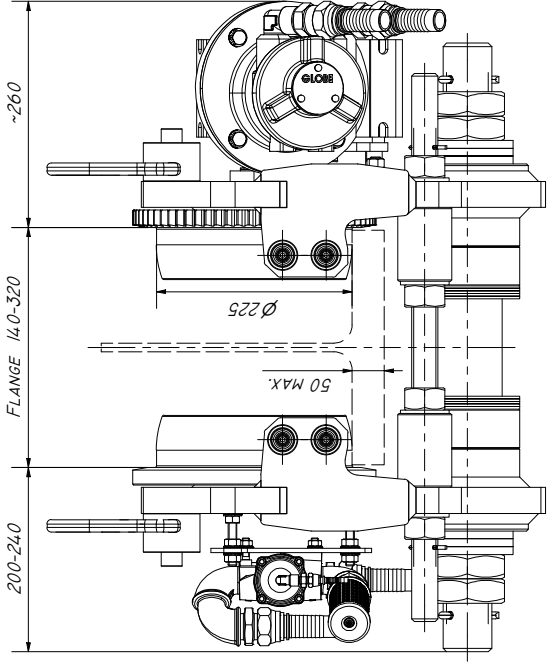
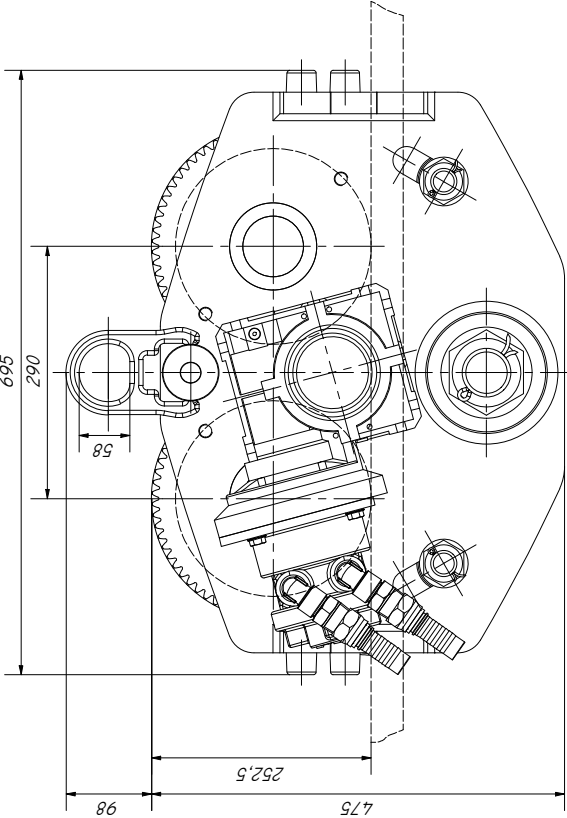
ANGULAR ±0.5°

SURFACE ROUGHNESS

IF IN DOUBT ASK

25T AIR TROLLEY - ATEX VERSION

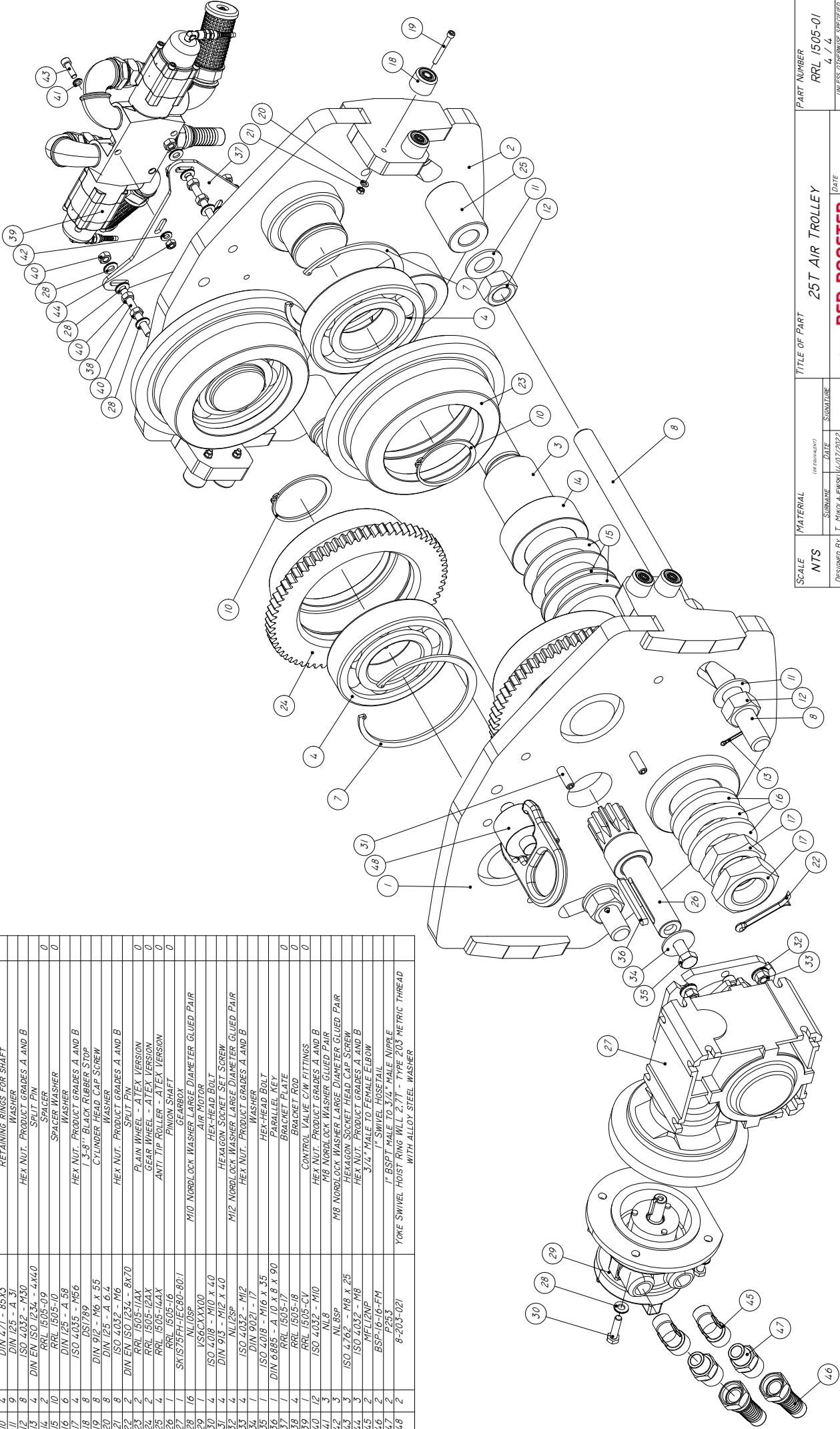
REVISION HISTORY		
REV.	DATE	APPROVED
0	20/07/2022	G. KRUPINSKI



SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
NTS		(OR EQUIVALENT)		25T AIR TROLLEY		RRL 1505-01 3 / 4	
DESIGNED BY		T. MIKOLAJEWSKI		DATE		19/07/2022	
DRAWN BY		T. MIKOLAJEWSKI		REVISION WEIGHT		0 ~350KG	
CHECKED BY		G. KRUPINSKI		REPLACES DRAWING		-	
APPROVED BY		B. AITKEN		PROFILE NUMBER		-	
SHEET SIZE		A3		TITLE OF PROJECT		25T AT	
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							

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 6317-2Z	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	THE ROD	0
10	DIN 471 - 85X3	RETAINING RINGS FOR SHAFT	0
11	DIN 125 - A 31	WASHER	0
12	ISO 4032 - M40	HEX NUT. PRODUCT GRADES A AND B	0
13	DIN EN ISO 1234 - 4x4.0	SPLIT PIN	0
14	RRL 1505-09	SPACER	0
15	RRL 1505-10	SPACER WASHER	0
16	DIN 125 - A 58	WASHER	0
17	ISO 4035 - M6.6	HEX NUT. PRODUCT GRADES A AND B	0
18	DS1789	1 3-8" BLACK RUBBER STOP	0
19	DIN 912 - M6 X 55	CYLINDER HEAD CAP SCREW	0
20	DIN 125 - A 6.4	WASHER	0
21	ISO 4032 - M6	HEX NUT. PRODUCT GRADES A AND B	0
22	DIN EN ISO 1234 - 8x70	SPLIT PIN	0
23	RRL 1505-11AX	PLAIN WHEEL - ATEX VERSION	0
24	RRL 1505-12AX	GEAR WHEEL - ATEX VERSION	0
25	RRL 1505-14AX	ANTI TIP ROLLER - ATEX VERSION	0
26	RRL 1505-16	FINION SHAFT	0
27	SK1575FH-IEC80-80-1	GEARBOX	0
28	NL108P	M10 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR	0
29	156CXXX00	AIR MOTOR	0
30	ISO 408 - M10 X 4.0	HEX-HEAD BOLT	0
31	DIN 913 - M12 X 4.0	HEXAGON SOCKET SET SCREW	0
32	NL128P	M12 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR	0
33	ISO 4032 - M12	HEX NUT. PRODUCT GRADES A AND B	0
34	DIN 9021 - 17	WASHER	0
35	ISO 408 - M16 X 35	HEX-HEAD BOLT	0
36	DIN 6885 - A 10 X 8 X 90	PARALLEL KEY	0
37	RRL 1505-17	BRACKET KEY	0
38	RRL 1505-18	BRACKET ROD	0
39	RRL 1505-CV	CONTROL VALVE C/V FITTINGS	0
40	ISO 4032 - M10	HEX NUT. PRODUCT GRADES A AND B	0
41	NL 8P	M8 NORDLOCK WASHER GLUED PAIR	0
42	ISO 1702 - M8 X 25	M8 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR	0
43	ISO 4032 - M8	HEXAGON SOCKET HEAD CAP SCREW	0
44	ISO 1121NP	HEX NUT. PRODUCT GRADES A AND B	0
45	BSP F1/2"-6-FM	3/4" NPT FEMALE ELBOW	0
46	P25	1" BSPT MALE TO 3/4" FEMALE NIPPLE	0
47	8-203-021	YOKE SWIVEL HOIST RING WILL 2.71" - TYPE 203 METRIC THREAD WITH ALLOY STEEL WASHER	0



SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
NTS		(SEE EQUIPMENT)		25T AIR TROLLEY		RRL 1505-01	4, 7, 4
DESIGNED BY	T. MIKOLAJEWSKI	DATE	19/07/2022	DATE	19/07/2022	REVISION WEIGHT	0 ~350KG
DRAWN BY	T. MIKOLAJEWSKI	19/07/2022		REPLACES DRAWING	-	PROFILE NUMBER	-
CHECKED BY	G. KRUPINSKI	19/07/2022		REPLACES DRAWING	-	PROFILE NUMBER	-
APPROVED BY	B. AITKEN	20/07/2022		REPLACES DRAWING	-	PROFILE NUMBER	-
SHEET SIZE	A3	TITLE OF PROJECT	25T A7	REPLACES DRAWING	-	PROFILE NUMBER	-



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ELEVATION, THE RED ROOSTER
THE RED ROOSTER
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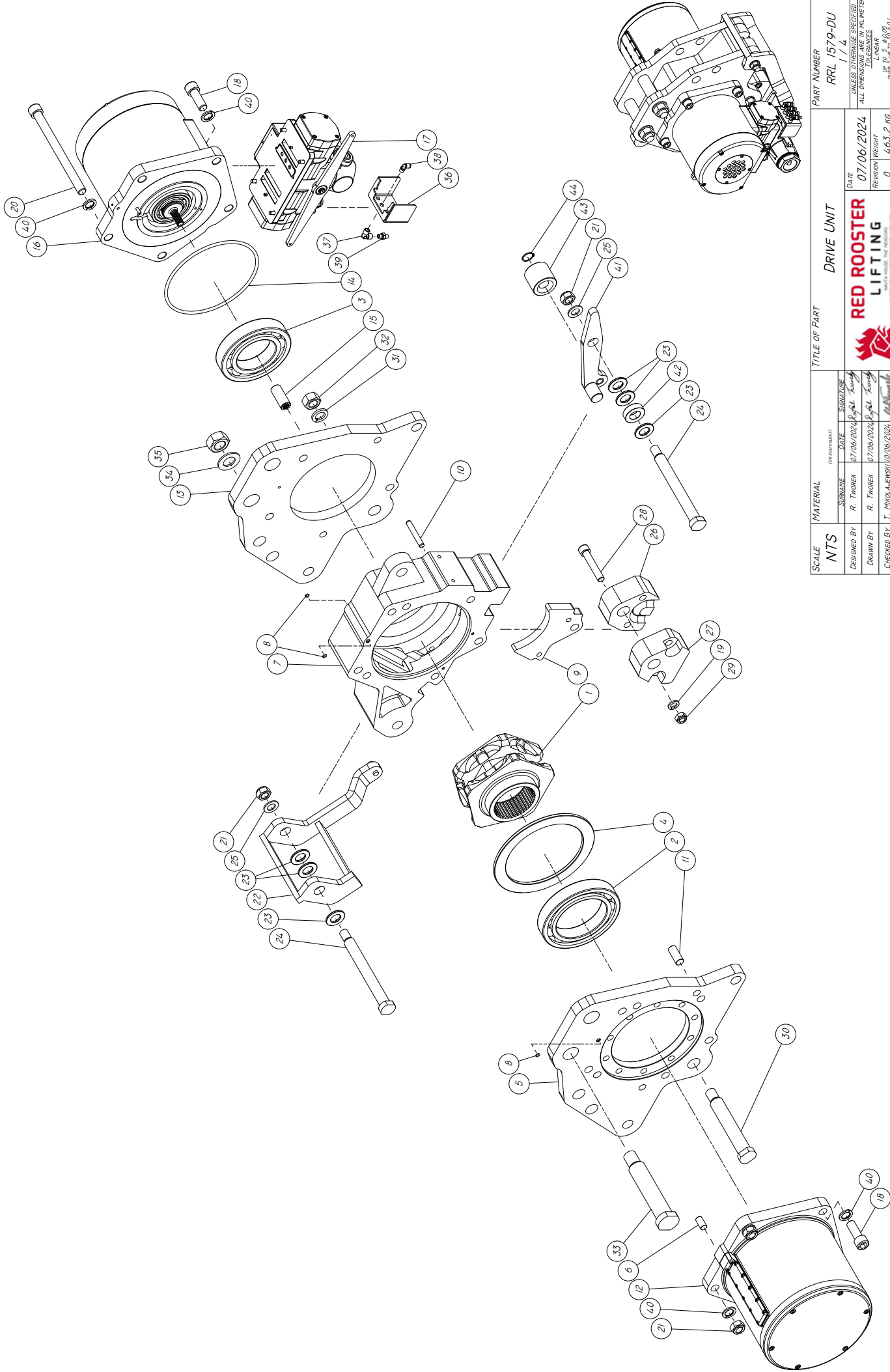
UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN MILLIMETERS

LINEAR:
UP TO 30.00 ±0.08
30.00 TO 100.00 ±0.1
100.00 TO 300.00 ±0.15
300.00 TO 500.00 ±0.2
OVER 500.00 ±0.3

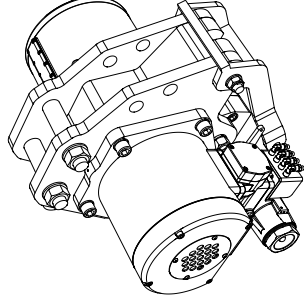
ANGULAR ±0.5°
SURFACE ROUGHNESS
IF IN DOUBT ASK

TMH-45T DU - VERSION FOR SPECIAL LINK PLATE

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



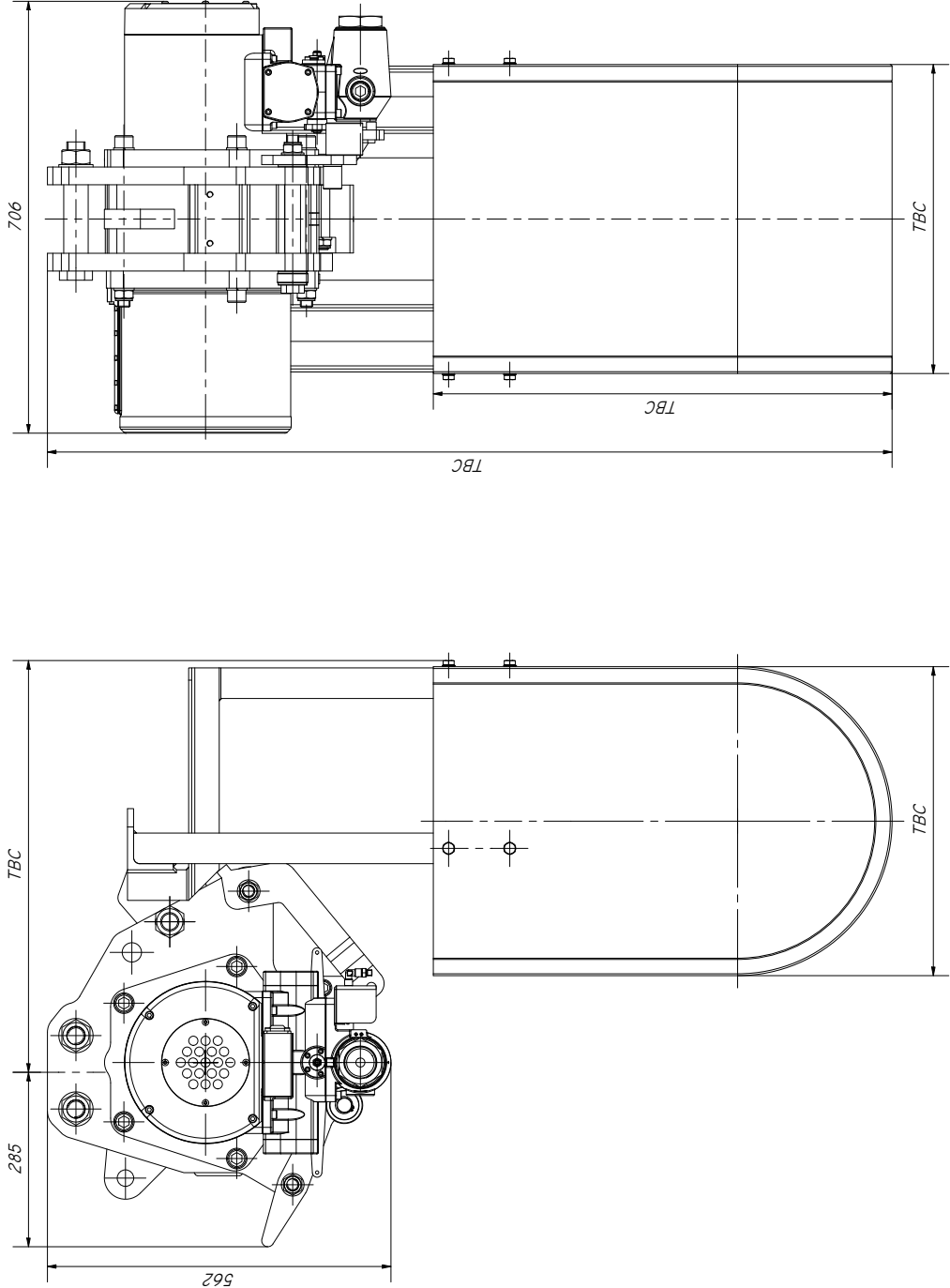
MATERIAL		TITLE OF PART		DRIVE UNIT		PART NUMBER	
(OR EQUIVALENT)		SURNAME	SIGNATURE	DATE		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS TOLERANCES	
SCALE	NTS	R. TWOREK	07/06/2024	 RED ROOSTER LIFTING CLUSELLE, 100000, 100000, 100000 CLUSELLE, 100000, 100000, 10			

[illegible]

SCALE		MATERIAL		TITLE OF PART		DRIVE UNIT		PART NUMBER	
NTS		(OR EQUIVALENT)						RRL 1579-DU	
DESIGNED BY		SURNAME		DATE		SIGNATURE		3 / 4	
DRAWN BY		R. THOREK		07/06/2024		[Signature]		ALL DIMENSIONS ARE IN MILLIMETER	
CHECKED BY		T. MYKOLAJEWSKI		07/06/2024		[Signature]		REVISION WEIGHT	
								0	
								463.2 KG	
								up to 2 x 400 kg	
								L. NIEKŁOŚ	
								RED ROOSTER LIFTING	
								MADE IN POLAND	

SCALE	MATERIAL	TITLE OF PART		DRIVE UNIT	PART NUMBER
		(SEE EQUIPMENT)			
NTS	SURIMAGE DATE SIGNATURE				
	DESIGNED BY	R. THORNER	07/06/2024		RRL 1579-DU 3 / 4
	DRAWN BY	R. THORNER	07/06/2024		
	CHECKED BY	T. MIKHALJEVSKI	10/06/2024		
	APPROVED BY	P. SHERMAN	11/06/2024		
SHEET SIZE	A3	TITLE OF PROJECT			
		TMH45 - 45T 35 AH			
		DATE		07/06/2024	
		REVISION WEIGHT		0 463.2 KG	
		REPLACES DRAWING		-	
		PROFILE NUMBER		-	
					ALL DIMENSIONS ARE IN MILLIMETERS TOLERANCES LINEAR OVER 0 TO 10.0 ±0.1 OVER 10 TO 30 ±0.2 OVER 30 TO 100 ±0.3 OVER 100 TO 300 ±0.5 OVER 300 TO 1000 ±1.0 ANGULAR 4.0/5 SURFACE ROUGHNESS $\sqrt{R}$ IF IN DOUBT ASK

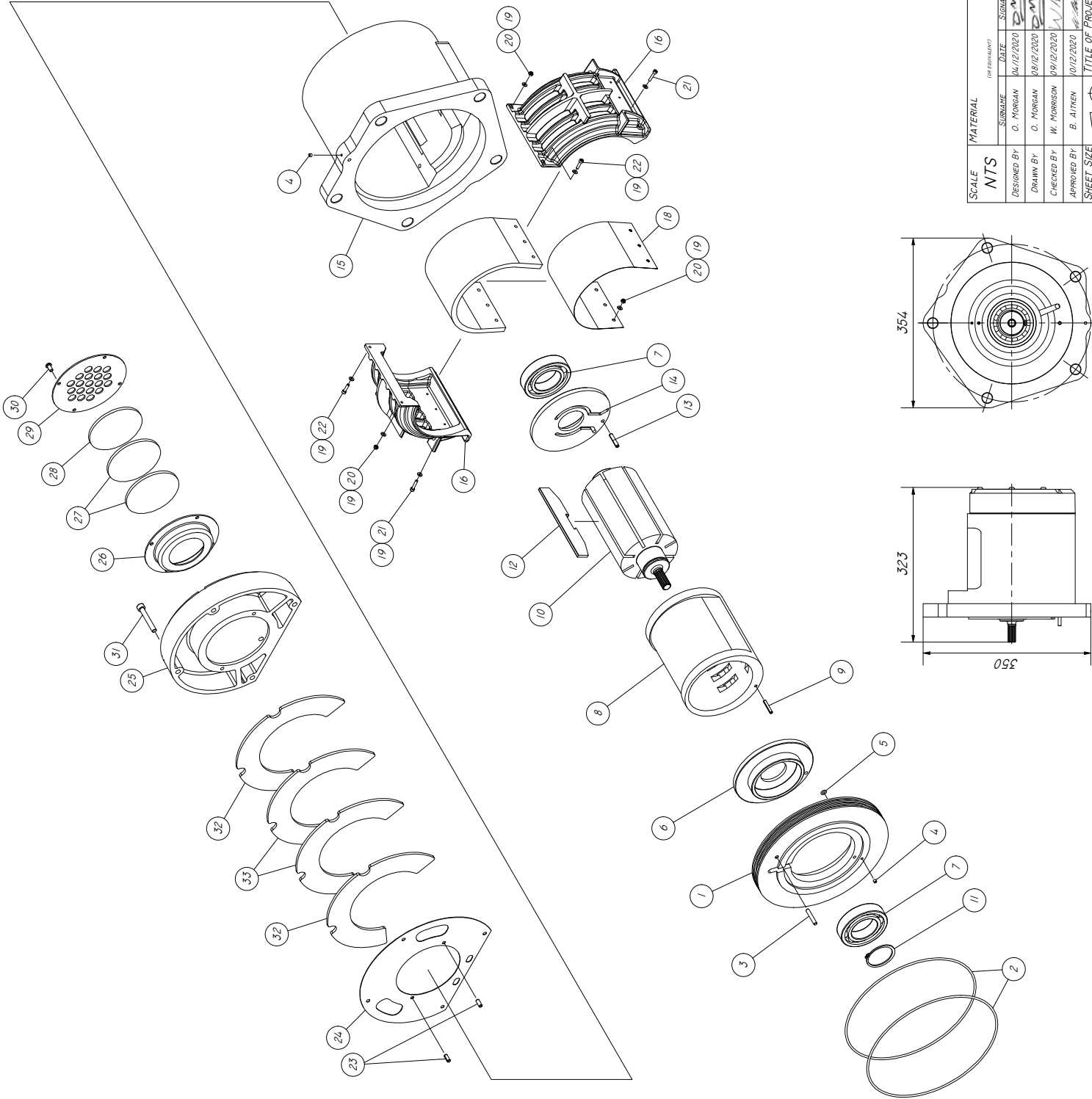
TMH-45T DU - VERSION FOR SPECIAL LINK PLATE & CHAIN COLLECTOR



TMH-45T DU - VERSION FOR SPECIAL LINK PLATE & CHAIN COLLECTOR - PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	42581A650	LOAD SHEAVE
2	1	13026026	BEARING 60260DU
3	1	13026020	BEARING 60260DU
4	1	42581A650	CHAIN GUIDE COVER
5	1	42581A650	MIDDLE PLATE G
6	10	42581A660	KNOCK PIN (16)
7	1	42581A350	CHAIN GUIDE
8	4	13103006	O-RING S-8
9	1	42581A360	CHAIN SEPARATOR
10	2	130406080	PARALLEL PIN A12X80 H7
11	4	426303161	KNOCK PIN
12	1	TMH-50 G8	GEAR BOX
13	1	42581A650	MIDDLE PLATE M
14	1	13117447	O-RING ASS68-44.7
15	1	425806200	COUPLING
16	1	TMH-25 AH	AIR MOTOR
17	1	TMH-50 CV	CONTROL VALVE
18	4	13103006	HEX SOCKET HEAD CAP SCREW M20x55
19	2	13103006	SPRING WASHER M16
20	3	13103006	HEX SOCKET HEAD CAP SCREW M20x260
21	5	13103006	HEX SOCKET HEAD CAP SCREW M20x260
22	1	42581A650	LINKER M20
23	6	13103006	WASHER M24
24	2	13103006	WASHER M20
25	2	13103006	WASHER M20
26	1	42581A650	CHAIN SET PLATE L
27	1	42581A650	CHAIN SET PLATE R
28	2	13103006	HEX SOCKET HEAD CAP SCREW M16x90
29	2	13103006	HEX SOCKET HEAD CAP SCREW M16x90
30	1	42581A650	CHAIN SET PIN
31	1	13103006	HEX NUT M24
32	1	13103006	HEX NUT M24
33	2	42581A650	SPRING WASHER M24
34	2	13103006	HANGER PIN
35	2	13103006	WASHER M30
36	1	FEF-02-00	LI-NUT M30
37	4	FEF-02-00	PENDANT BRACKET
38	4	KQ21 06-01NS	1/8" FEMALE ELBOW
39	4	100-0202	1/8" BSP MALE TO 6MM FLUSH FIT ELBOW
40	10	13103006	1/8" MALE TO 1/8" MALE NIPPLE
41	1	RRR 1578-07	SPRING WASHER M20
42	1	RRR 1578-37	LIMIT LEVER (W)
43	1	RRR 1578-38	LIMIT LEVER - SPACER
44	1	DIN 471 - 25x1.2	LIMIT LEVER - ROLLER
45	1	RRR 1578-CC	RETAINING RINGS FOR SHAFT
46	1	RRR 1578-CC	CHAIN COLLECTOR

SCALE		MATERIAL		TITLE OF PART	
NTS				DRIVE UNIT	
DESIGNED BY	R. TYNOR	SIGNATURE		DATE	07/06/2024
DRAWN BY	R. TYNOR			REVISION	0
CHECKED BY	T. MIKOLAJEWSKI			REPLACES DRAWING	463.2 KG
APPROVED BY	P. SIEMAN			PROFILE NUMBER	-
SHEET SIZE	A3				
TMH45 - 45T 3F AH					
RED ROOSTER LIFTING					
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS. TOLERANCES: LINEAR: 0.05, 0.1, 0.2, 0.3, 0.5, 0.8, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0, 12.5, 16.0, 20.0, 25.0, 32.0, 40.0, 50.0, 63.0, 80.0, 100.0, 125.0, 160.0, 200.0, 250.0, 320.0, 400.0, 500.0, 630.0, 800.0, 1000.0. ANGULAR: ±0.5° IF IN DOUBT ASK.					

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

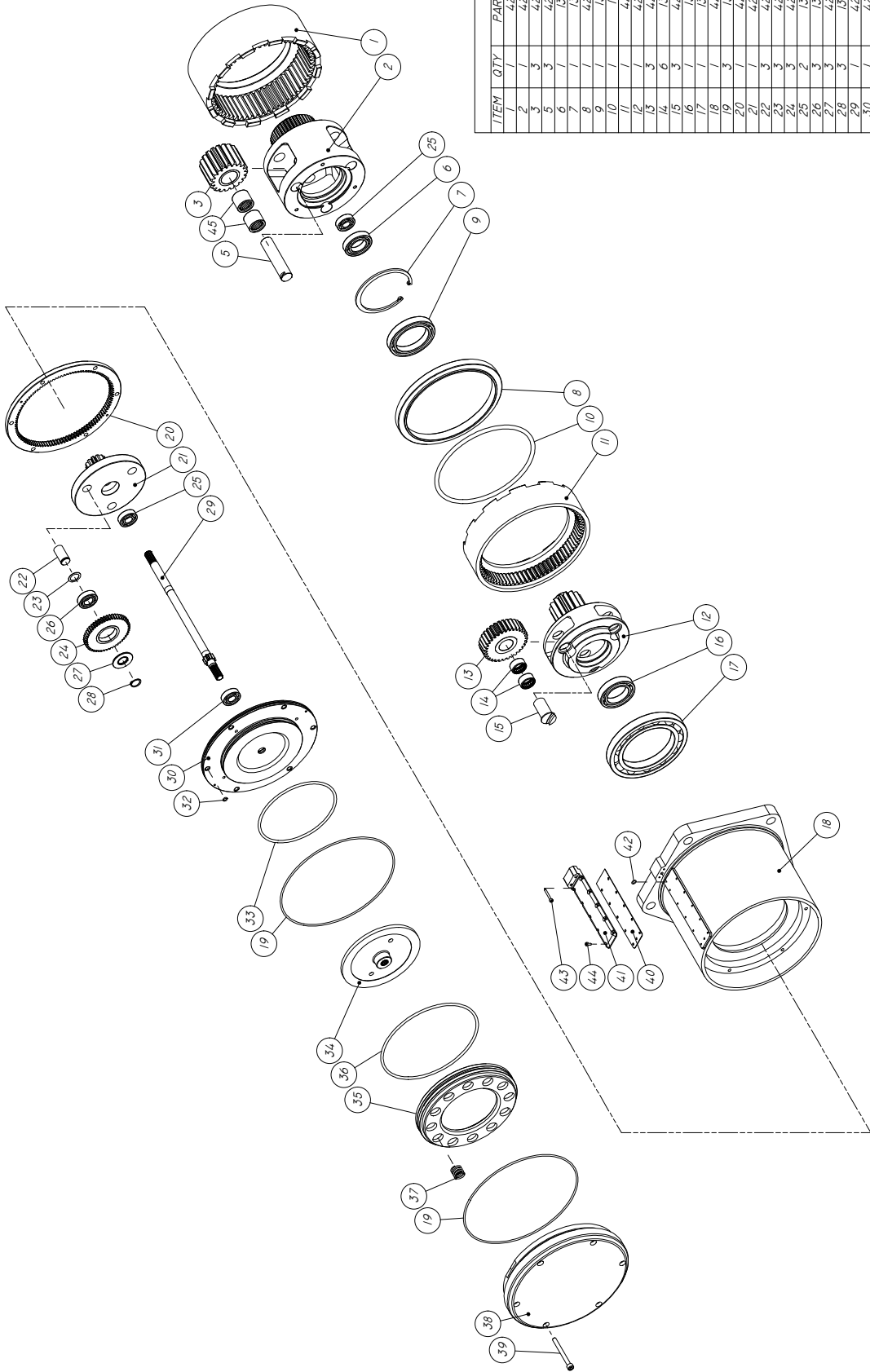


PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	425814M40
2	2	13117273
3	1	130406079
4	2	13205005
5	1	13101005
6	1	425814170
7	2	13007011
8	1	425814160
9	1	130605030
10	1	425814150
11	1	130302050
12	8	13702034
13	1	130606030
14	1	425814180
15	1	425814190
16	2	425814150
17	1	137402061
18	1	137402062
19	16	13507004
20	8	134501004
21	2	137402020
22	2	137402016
23	2	13060106
24	2	13502078
25	1	425814M60
26	1	425814M20
27	2	137402065
28	1	137402066
29	1	425814190
30	4	13906012
31	4	13708055
32	3	137402063
33	1	137402064

TITLE OF PART		
TMH-25 AM		
PART NUMBER		
TMH-25 AM		
1 / 1		
UNLESS OTHERWISE SPECIFIED		
ALL DIMENSIONS ARE IN MILLIMETERS		
TOLERANCES		
LINEAR		
UP TO 30 ±0.08		
OVER 30 TO 50 ±0.1		
OVER 50 TO 100 ±0.15		
OVER 100 TO 150 ±0.2		
OVER 150 TO 200 ±0.3		
OVER 200 TO 300 ±0.5		
ANGULAR ±0.5°		
SURFACE ROUGHNESS Ra		
IF IN DOUBT ASK		

TITLE OF PROJECT		
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 50 ±0.1		
OVER 50 TO 100 ±0.15		
OVER 100 TO 150 ±0.2		
OVER 150 TO 200 ±0.3		
OVER 200 TO 300 ±0.5		
ANGULAR ±0.5°		
SURFACE ROUGHNESS Ra		
IF IN DOUBT ASK		

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



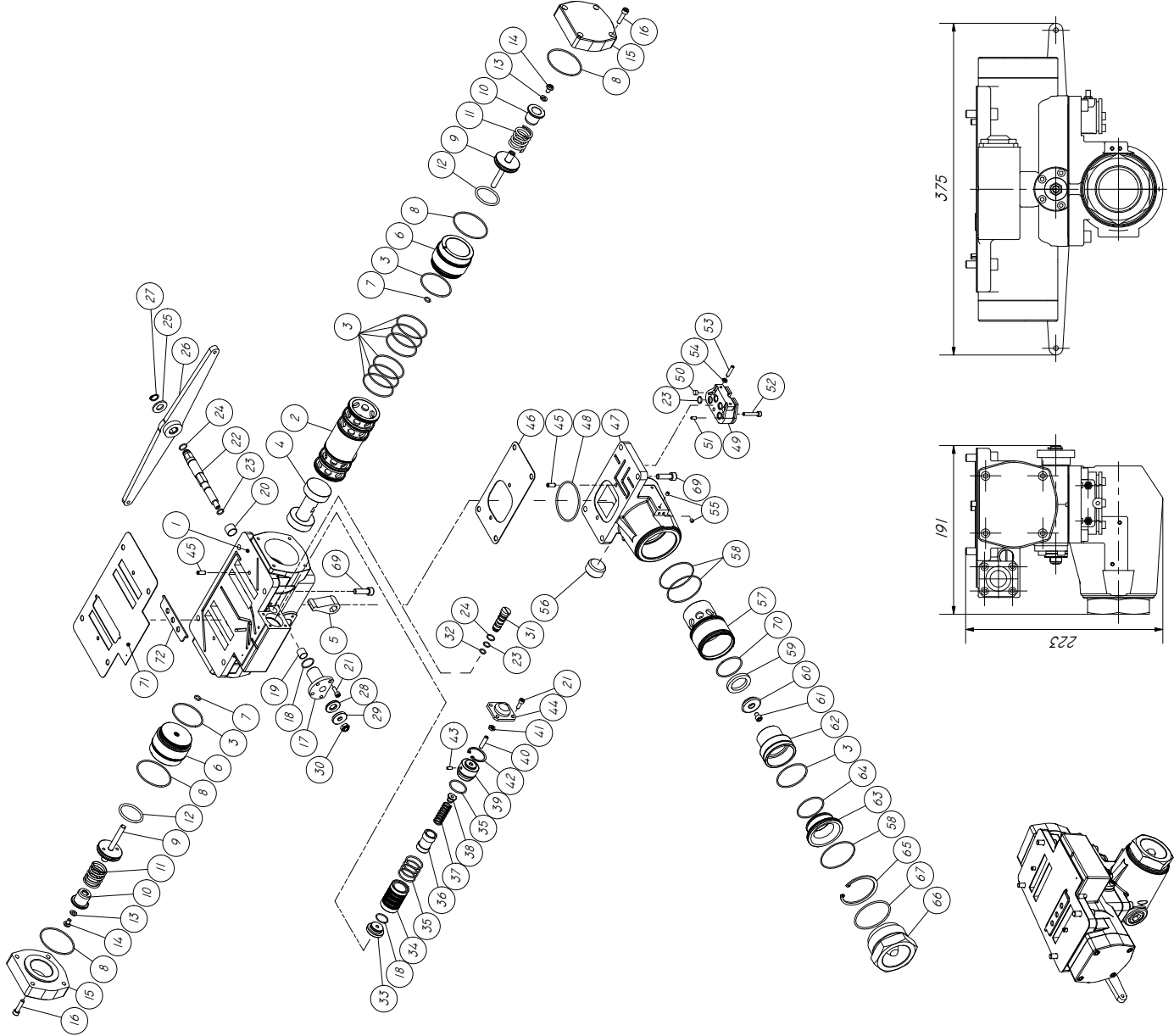
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	425814K50	THIRD RING GEAR
2	1	425814Z10	CAGE
3	3	425814K30	THIRD STAR GEAR
5	3	425814K20	THIRD PIN
6	1	130104008	BEARING 6007
7	1	130301125	RETAINING RING H/25
8	1	425814Z30	SPACER
9	1	13013015	BEARING 6915
10	1	13013015	O-RING P-215
11	1	425814E51	SECOND RING GEAR
12	1	425814E20	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	425814E50	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 PINION
29	1	425814E02	BRAKE BLADE
30	1	425814E04	BEARING 6203Z2
31	1	130109104	O-RING P-9
32	6	131107007	O-RING ASS68-364
33	1	131173564	BRAKE DISC
34	1	425814E30	BRAKE PISTON
35	1	425814E01	O-RING ASS68-371
36	1	13117371	SPRING 20.5X21.9X2.9
37	12	130802229	BRAKE COVER
38	1	425814E10	HEX SOCKET HEAD CAP SCREW M8x80
39	6	131708080	GASKET C
40	1	13102176	AIR CONNECTOR
41	1	425814E10	O-RING S-8
42	1	13103006	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	
NTS				TMH-30 GB	TMH-30 GB
DESIGNED BY		DATE		DATE	
R. THOREK		08/09/2022		08/09/2022	
DRAWN BY		DATE		REVISION WEIGHT	
R. THOREK		08/09/2022		0 106.7 AG	
CHECKED BY		DATE		REPLACES DRAWING	
G. KRUPINSKI		09/09/2022		-	
APPROVED BY		DATE		PROFILE NUMBER	
B. AITKEN		12/09/2022		-	
SHEET SIZE		TITLE OF PROJECT		SURFACE ROUGHNESS	
A3		TMH30 - 30T 2F 4H		IF IN DOUBT ASK	
				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°	

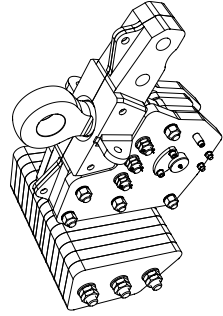
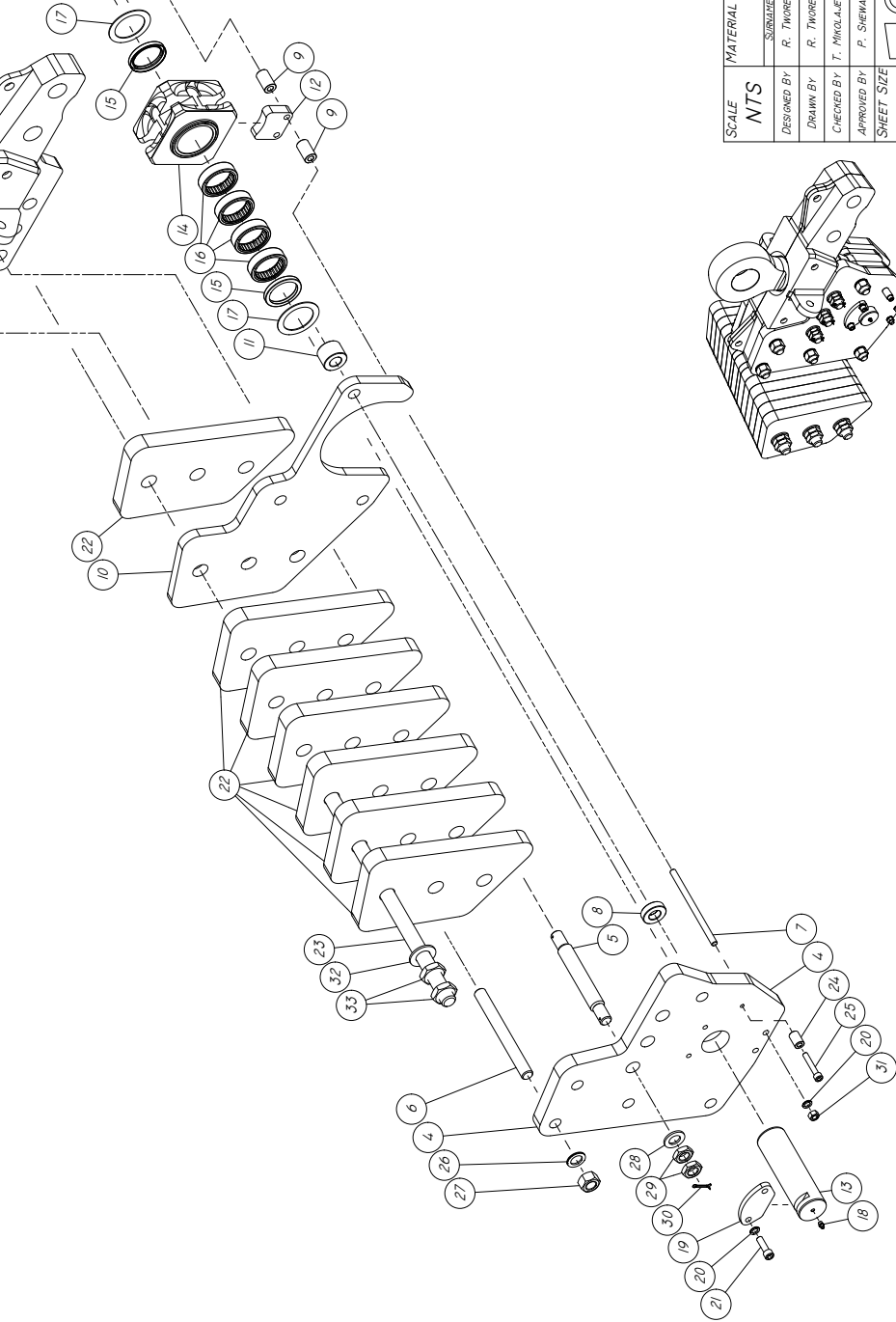
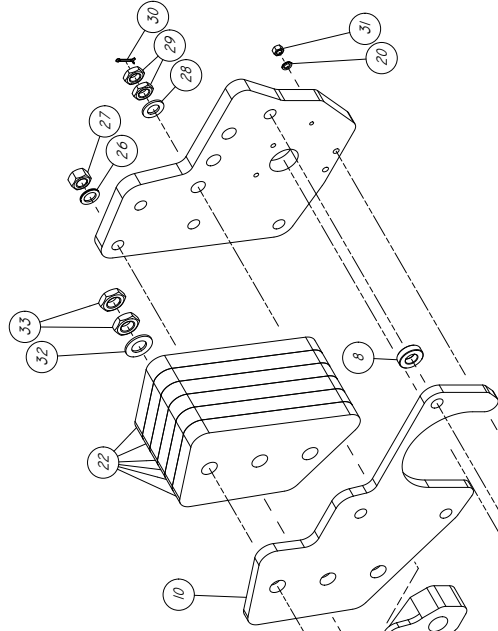
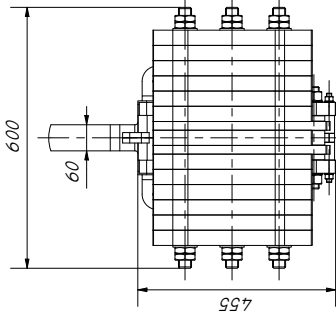
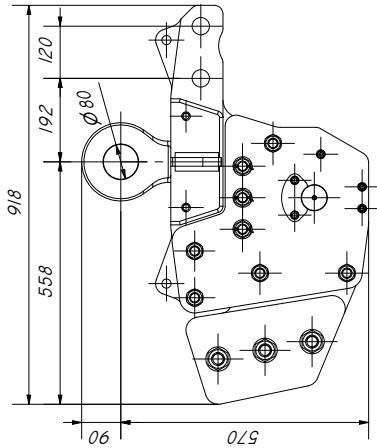
REVISION HISTORY		
REV.	DATE	APPROVED
0	11/10/2022	P. SHEWAN

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	130606019	SPRING PIN OXIS	
46	1	130621719	UNDER CASNET	
47	1	425814170	UNDER COVER	
48	1	130717140	O-RING AS568-144	
49	1	425814140	RETAINER	
50	2	131111111	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 NUT M5	
55	4	132105005	HEX SOCKET SET SCREW M5X5	
56	1	134902012	HEX SOCKET PLUG 1	
57	1	425814G70	MAIN CUT BUSH	
58	3	131105036	O-RING AS568-036	
59	1	136102178	MAIN CUT SEAT	
60	1	425814H00	MAIN CUT HOLDER	
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	131117453	HEX SOCKET HEAD CAP SCREW M8X28	
69	8	131708028	O-RING S-44	
70	1	131103035	VALVE GASKET	
71	1	136102179	CHOKE VALVE	
72	1	425818P30	CONTROL VALVE	

TITLE OF PART		CONTROL VALVE		PART NUMBER	
TMH30 - 30T 2F AH				TMH-30 CV 1 / 1	
TITLE OF PROJECT		DATE		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 OTHER AS NOTED ANGULAR ±0.5° SURFACE ROUGHNESS Ra IF IN DOUBT ASK	
SHEET SIZE		REVISIONS			
A3		0		26.8 KG	
APPROVED BY		REPLACES DRAWING			
B. AITKEN		-			
CREATED BY		PROFILE NUMBER			
G. KRUPINSKI		-			
DRAWN BY					
R. THOREK					
DESIGNED BY					
R. THOREK					
SIGNATURE		DATE			
		09/09/2022			
		08/09/2022			
		09/09/2022			
		2/09/2021			
RED ROOSTER LIFTING					
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 OTHER AS NOTED ANGULAR ±0.5° SURFACE ROUGHNESS Ra IF IN DOUBT ASK					



VERSION WITH TOP EYE



VERSION WITH TOP EYE - PARTS LIST			
ITEM QTY	PART NUMBER	DESCRIPTION	REV.
1	RRL 1578-03	TOP HOOK HOLDER - LEFT (W)	0
2	RRL 1578-04	TOP HOOK HOLDER - RIGHT (W)	0
3	ISO 2338 - 20 A8 x 65	PARALLEL PIN	0
4	RRL 1578-08	TOP SIDE PLATE	0
5	RRL 1578-33	HANGER PIN	0
6	RRL 1578-35	TIE ROD	0
7	RRL 1578-31	CHAIN GUIDE - SPACER	0
8	RRL 1578-45	CHAIN GUIDE - SPACER	0
9	RRL 1578-50	TOP CHAIN GUIDE	0
10	RRL 1578-10	CHAIN GUIDE - SPACER	0
11	RRL 1578-50	CHAIN SEPARATOR	0
12	RRL 1578-30	WHEEL (23 SX66 CHAIN) -	0
13	RRL 1578-37	BOTTOM BLOCK	0
14	RRL FW23.566-02	OIL SEAL	0
15	2 DIN 3760 - A - 60 x 78 x 9 -	NEEDLE ROLLER BEARING	0
16	4 RN40 60x78x20	SPACER RING	0
17	RRL SR23.566-02	LUBRICATING NIPPLE, CONED TYPE A	0
18	DIN 71412 - AM8 X1 CONED SHORT	THRUST PLATE	0
19	RRL 1578-28	M12 NUT. LOCK WASHER GLUED PAIR	0
20	6 ISO 4762 - M12 x 4.0	HEXAGON SOCKET HEAD CAP SCREW	0
21	2 ISO 4762 - M12 x 4.0	COUNTERWEIGHT PLATE	0
22	13 RRL 1578-35	TIE ROD	0
23	3 RRL 1578-30	LIMIT LEVER - STOP END	0
24	1 RRL 1578-34	HEXAGON SOCKET HEAD CAP SCREW	0
25	1 ISO 4762 - M10 x 60	M24 NUT. LOCK WASHER GLUED PAIR	0
26	10 ISO 4032 - M24	HEX NUT. PRODUCT GRADES A AND B	0
27	10 DIN 125 - A.25	WASHER	0
28	6 ISO 4035 - M24	HEX NUT. PRODUCT GRADES A AND B	0
29	12 DIN EN ISO 1234 - 4x33	SPLIT PIN	0
30	6 ISO 4032 - M12	HEX NUT. PRODUCT GRADES A AND B	0
31	4 DIN 125 - A.31	WASHER	0
32	6 ISO 4035 - M30	HEX NUT. PRODUCT GRADES A AND B	0
33	12 RRL 1579-02	TOP EYE	0
34	1 RRL 1579-02	PART NUMBER	0
35	1 RRL 1578-01	TOP BLOCK	0



DATE
04/06/2024
REVISION WEIGHT
0 516.6 KG
REPLACES DRAWING
-

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN MILLIMETERS
TOLERANCES
LINEAR
HOLE Ø UP TO 10: ±0.1
HOLE Ø 10 TO 30: ±0.05
HOLE Ø 30 TO 50: ±0.08
HOLE Ø 50 TO 100: ±0.1
HOLE Ø 100 TO 150: ±0.15
HOLE Ø 150 TO 200: ±0.2
ANGULAR ±0.5°
SURFACE ROUGHNESS Ra
IF IN DOUBT ASK

TMH37.5 - 37.5T 3F AH



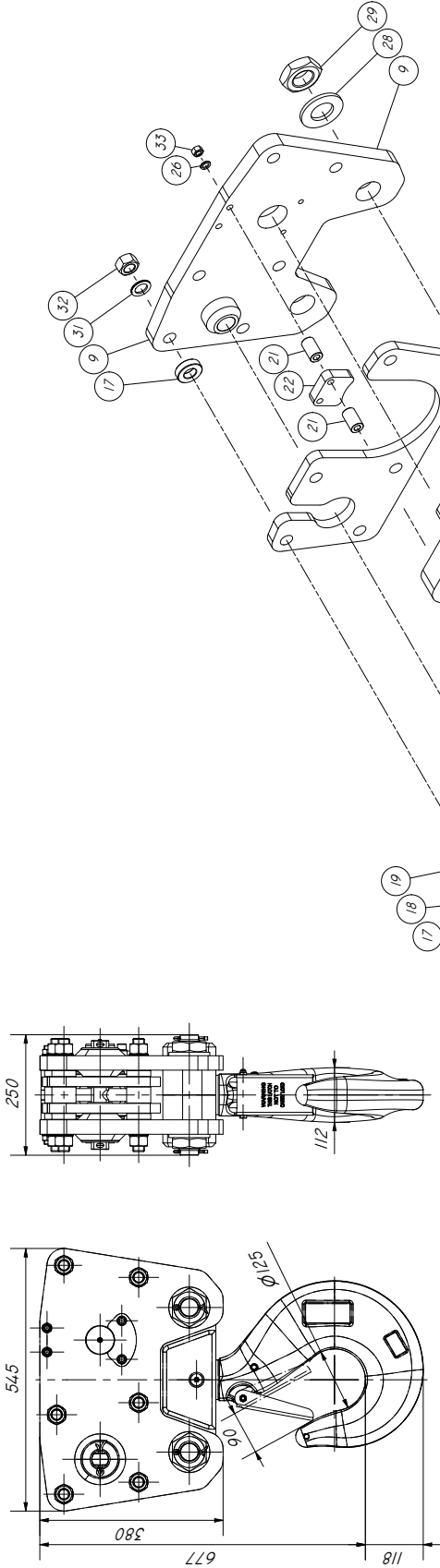
TITLE OF PROJECT
06/06/2024
P. SIEMAN
APPROVED BY
T. MIKOLAJEWSKI
DRAWN BY
R. THOREK
DESIGNED BY
R. THOREK
DATE
22/05/2024
SIGNATURE
04/06/2024

SHEET SIZE
A3

SCALE
NTS

MATERIAL
NTS

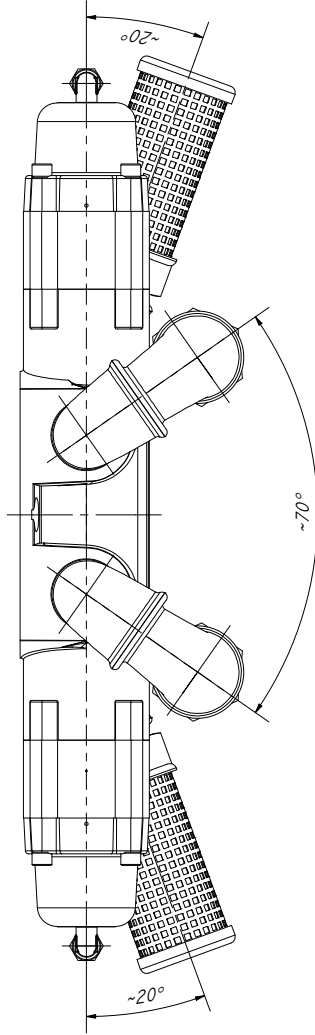
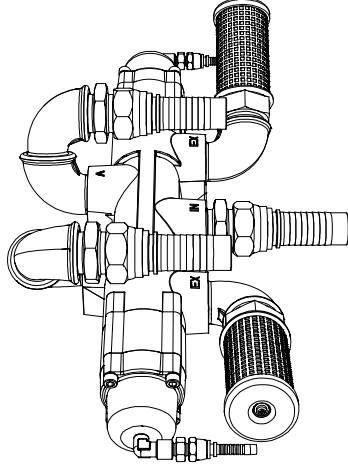
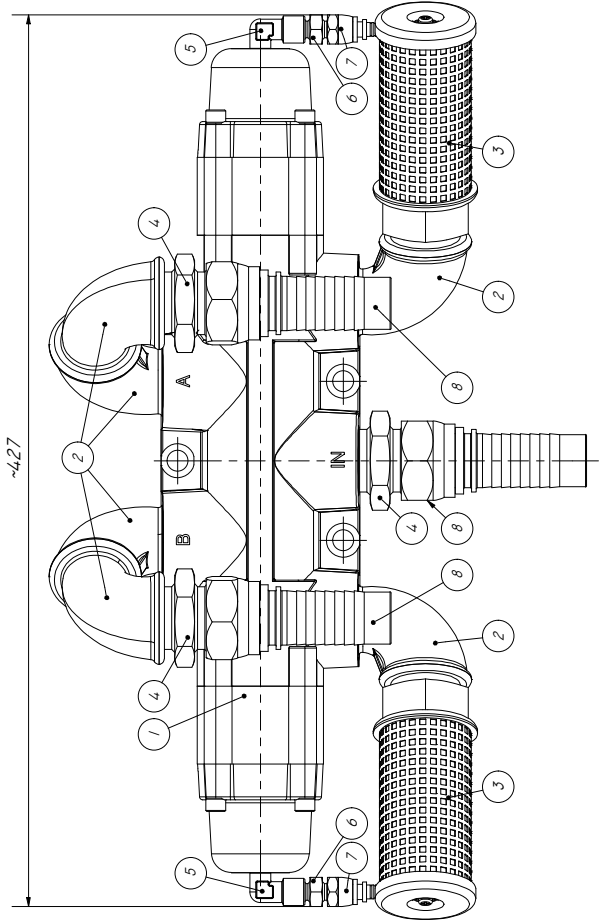
REVISION HISTORY		
REV.	DATE	APPROVED
0	01/07/2024	PAUL SHEWMAN



PARTS LIST		
ITEM QTY	PART NUMBER	DESCRIPTION
1	RRL 1578-23	HOOK
2	RRL 1578-22	THRUST RING
3	DIN 711 - 5/16 - 130 x 170 x 30	THRUST BALL BEARING
4	RRL 1578-14	BOTTOM HOOK HOLDER I
5	RRL 1578-15	BOTTOM HOOK HOLDER II
6	DIN 714/2 - A0/B x 1 CONED SHORT	LUBRICATING NIPPLE, CONED TYPE A
7	ISO 2351 - 20 x 8 x 4.5	PARALLEL PIN
8	RRL 1578-16	LOAD BAR
9	RRL 1578-17	BOTTOM SIDE PLATE - RIGHT
10	RRL 1578-18	BOTTOM SIDE PLATE - LEFT (W)
11	RRL 1578-19	POCKET WHEEL (23.5x50 CHAIN) - BOTTOM BLOCK
12	DIN 3760 - A 40 x 78 x 9 -	OIL SEAL
13	RNALO 60728x20	NEEDLE ROLLER BEARING
14	RRL 1578-20	SPACER RING
15	RRL 1578-21	CHAIN ANCHOR BOLT
16	RRL 1578-22	THE ROD
17	RRL 1578-23	CHAIN GUIDE - SPACER
18	RRL 1578-24	BOTTOM CHAIN GUIDE
19	RRL 1578-25	CHAIN GUIDE - SPACER
20	RRL 1578-26	THE ROD
21	RRL 1578-27	CHAIN GUIDE - SPACER
22	RRL 1578-28	CHAIN SEPARATOR
23	RRL 1578-29	BOTTOM SIDE PLATE - LEFT (W)
24	DIN EN ISO 1234 - 8x50	THRUST PLATE
25	RRL 1578-28	MI2 NORDLOCK WASHER GLUED PAIR
26	ISO 4762 - M12 x 4.0	HEXAGON SOCKET HEAD CAP SCREW
27	DIN 25 - A 46	WASHER
28	ISO 4035 - M1.5	HEX NUT - PRODUCT GRADES A AND B
29	DIN EN ISO 1234 - 6.3x52	MI2 NORDLOCK WASHER GLUED PAIR
30	ISO 4032 - M1.4	HEX NUT - PRODUCT GRADES A AND B
31	ISO 4032 - M1.2	HEX NUT - PRODUCT GRADES A AND B
32	ISO 4032 - M1.2	HEX NUT - PRODUCT GRADES A AND B
33	ISO 4032 - M1.2	HEX NUT - PRODUCT GRADES A AND B

SCALE		TITLE OF PART		PART NUMBER	
NTS		BOTTOM BLOCK		RRL 1578-02 / /	
				UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS	
DESIGNED BY		DATE		TOLERANCES	
R. THOREK		03/06/2024		LINEAR	
DRAWN BY		REVISION		UP TO 5.005 OVER 5.005 TO 10.005 OVER 10.005 TO 20.005 OVER 20.005 TO 40.005 OVER 40.005 TO 100.005 OVER 100.005 +	
CHECKED BY		0		WEIGHT 23.9 KG	
T. MIKOLAJEWSKI		REPLACES DRAWING		-	
APPROVED BY		PROFILE NUMBER		-	
P. SHEWMAN		TMH37,5 - 37,5T 3F AH		SURFACE ROUGHNESS $\sqrt{R}$ IF IN DOUBT ASK	
SHEET SIZE		TITLE OF PROJECT			
A3					

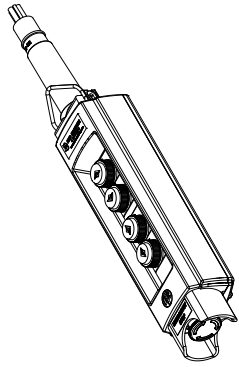
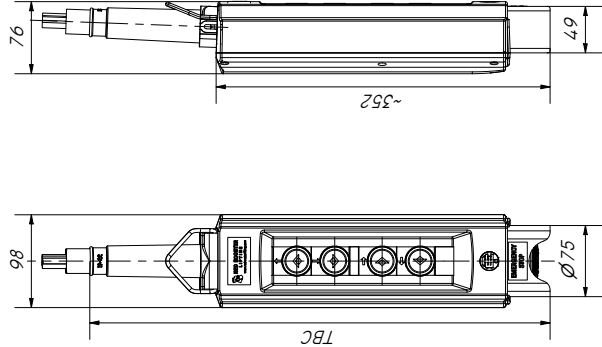
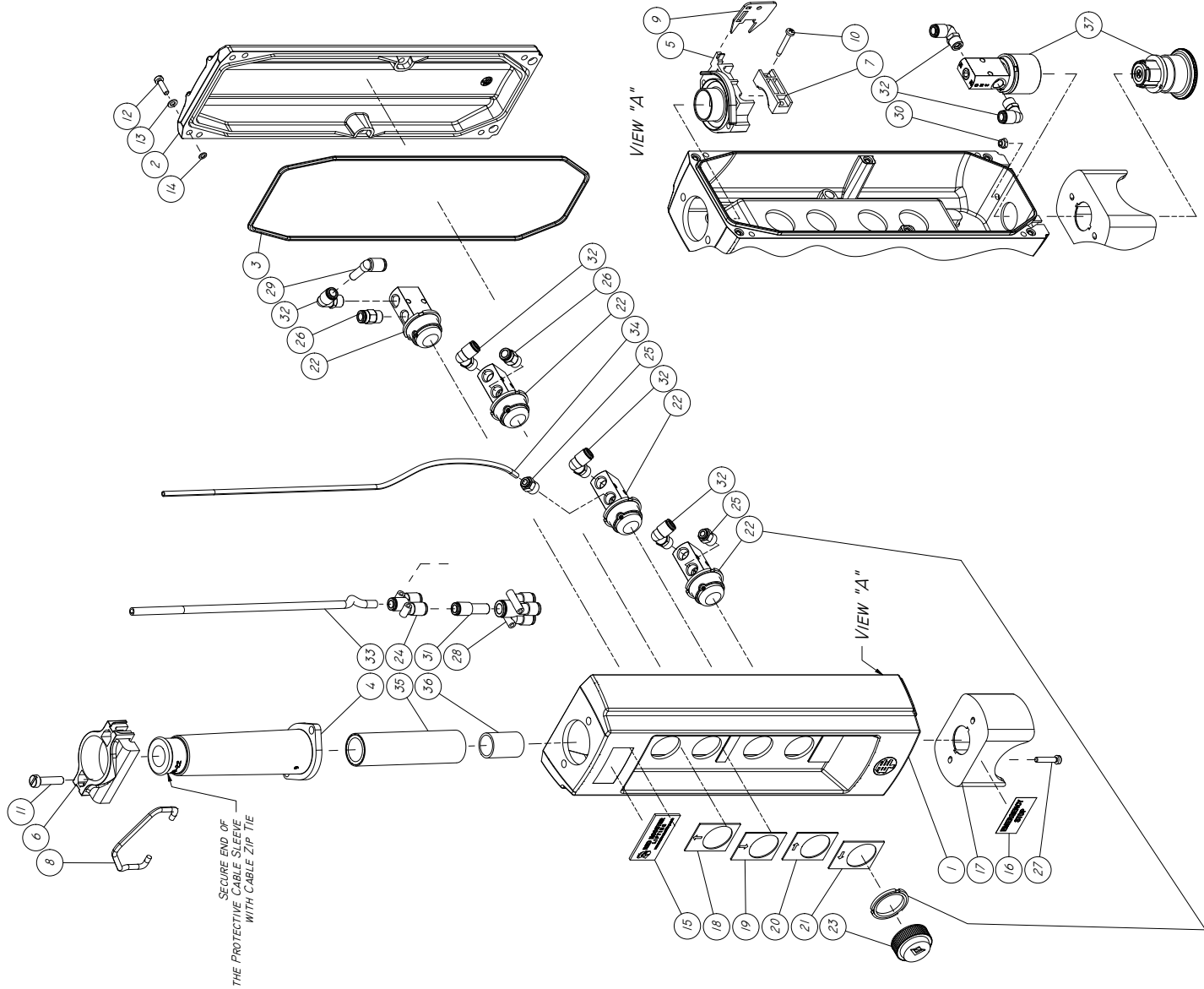
REVISION HISTORY		
REV.	DATE	APPROVED
0	20/07/2022	G. KRUPINSKI



PARTS LIST			REV.	
ITEM QTY	PART NUMBER	DESCRIPTION		
1	VCL-120-32B	VERSA PNEUMATIC DIRECTIONAL VALVE		
2	1" M/F	1" MALE TO FEMALE ELBOW		
3	1" SILENCER	1" SILENCER		
4	1" M/F	1" MALE TO FEMALE ELBOW		
5	1" M/F	1" MALE TO FEMALE ELBOW		
6	1" M/F	1" MALE TO FEMALE ELBOW		
7	1" M/F	1" MALE TO FEMALE ELBOW		
8	1" M/F	1" MALE TO FEMALE ELBOW		
TITLE OF PART			PART NUMBER	
BSP-16-16-FM			RRL 1505-CV	
SCALE			1:2.5	
DESIGNED BY			T. MINGLAJENSKI	
DRAWN BY			T. MINGLAJENSKI	
CHECKED BY			G. KRUPINSKI	
APPROVED BY			B. AITKEN	
SHEET SIZE			A3	
TITLE OF PROJECT			25 T AT	
DATE			18/07/2022	
REVISION WEIGHT			0	
REPLACES DRAWING			-	
PROFILE NUMBER			-	
SURFACE ROUGHNESS			IF IN DOUBT ASK	
UNLESS OTHERWISE SPECIFIED			ALL DIMENSIONS ARE IN MILLIMETERS	
			LINEAR	
			UP TO 30.00 ±0.08	
			OVER 30.00 TO 120.00 ±0.13	
			OVER 120.00 TO 300.00 ±0.25	
			OVER 300.00 TO 1000.00 ±0.5	
			ANGULAR ±0.5°	

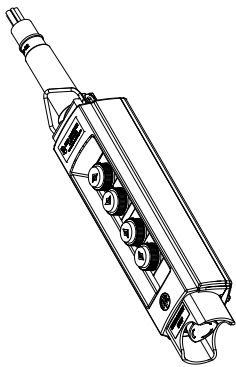
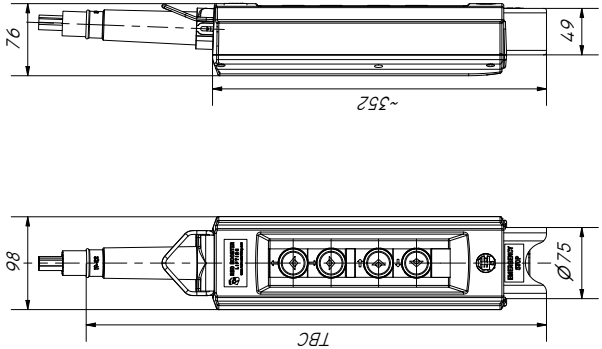
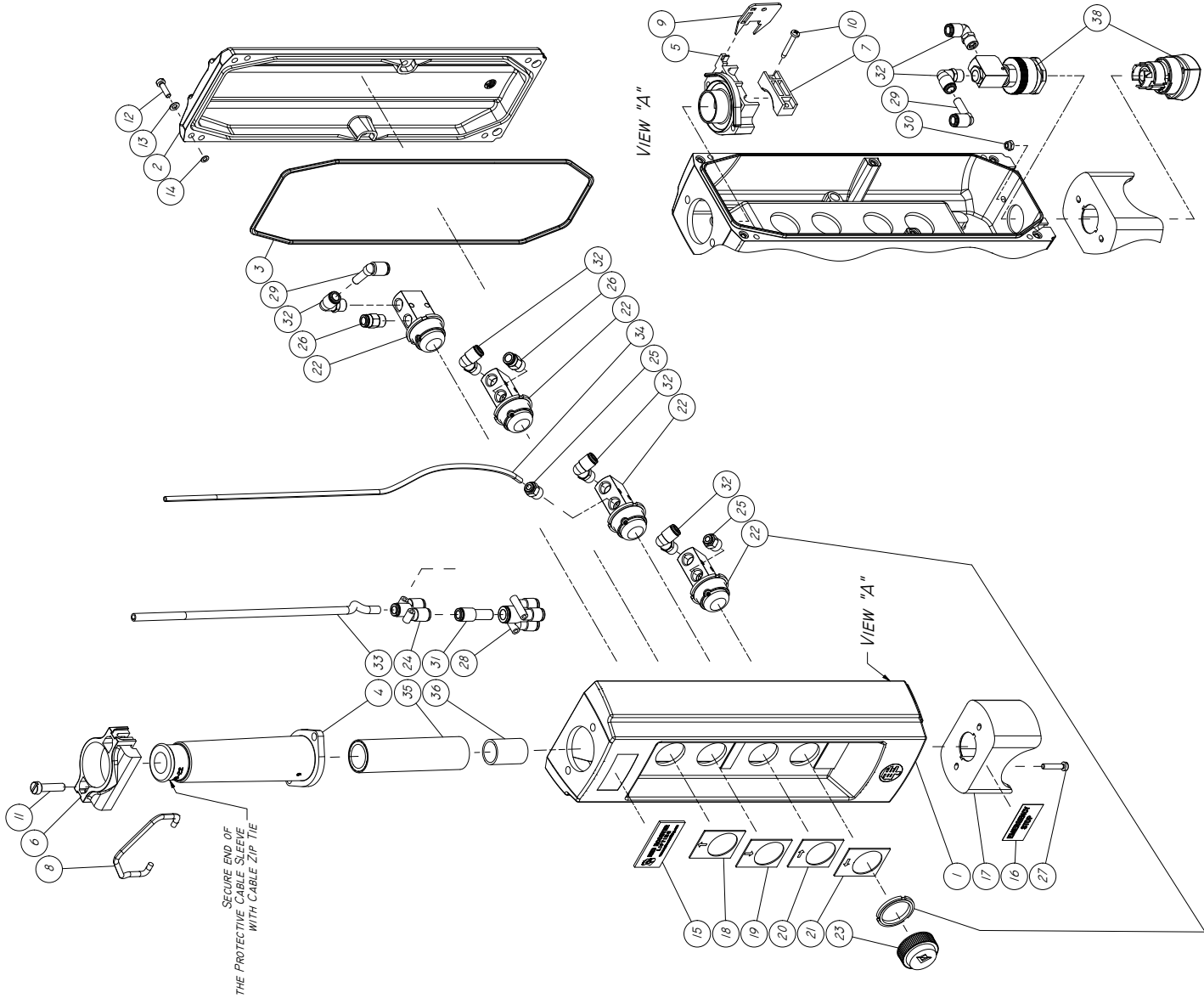
RRI-VTP4 - 4 STATION PENDANT C/W EMERGENCY STOP VALVE (BIK3206P-BS54)

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



RRI-VTP4 - 4 STATION PENDANT C/W EMERGENCY STOP VALVE (BIK3206P-BS54) - PARTS LIST		
ITEM QTY	DESCRIPTION	REV.
1	RRI-VTP4-01	0
2	FRONT CASE	
3	REAR CASE	
4	RUBBER SEAL	
5	PROTECTIVE CABLE SLEEVE	
6	PROTECTIVE CABLE SLEEVE MOUNTING I	
7	PROTECTIVE CABLE SLEEVE MOUNTING II	
8	PROTECTIVE CABLE SLEEVE MOUNTING I - BRACKET	
9	PROTECTIVE CABLE SLEEVE MOUNTING II - HANGER	
10	CASE ENCLOSURE KEY	
11	CROSS RECESSED PAN HEAD TAPPING SCREW 3.5X25	
12	SLOTTED CHEESE HEAD SCREW M6X25	
13	SLOTTED CHEESE HEAD SCREW M4X14	
14	WASHER W/ER M4	
15	RRI-4 LABEL RED/ROOSTER	0
16	RED PUSHER LABEL	0
17	EMERGENCY STOP LABEL	
18	YELLOW STOP LABEL	
19	UP LEGEND	
20	DOWN LEGEND	
21	RIGHT LEGEND	
22	LEFT LEGEND	
23	BUTTON VALVE	
24	Y1 BRANCH	
25	1/8" BSP TO 4MM PUSH FIT	
26	1/8" BSP TO 6MM PUSH FIT	
27	SLOTTED CHEESE HEAD SCREW M4X20	
28	6MM DOUBLE Y1 BRANCH	
29	6MM PLUG IN ELBOW	
30	HEX NYLOC NUT M4	
31	8MM-6MM REDUCER	
32	1/8" BSP TO 6MM PUSH FIT ELBOW	
33	6MM POLYURETHANE TUBES	
34	4MM POLYURETHANE TUBES	
35	3/4" BRAIDED PVC AIR HOSE	
36	STIFFENER	
37	RRI-VTP2-02	0
SCALE	MATERIAL	
NTS	BIK3206P-BS54	
TITLE OF PART		
GENERAL ASSEMBLY		
PART NUMBER		
RRI-VTP4-00		
TITLE OF PROJECT		
RRI-VTP4 - 4 STATION PENDANT		
DESIGNED BY		
R. THORP		
DRAWN BY		
R. THORP		
CHECKED BY		
T. MCKALEWSKI		
APPROVED BY		
P. SHEWAN		
SHEET SIZE		
A3		
DATE		
07/11/2023		
REVISION WEIGHT		
0 3.0 KG		
REPLACES DRAWING		
-		
PROFILE NUMBER		
-		
UNLESS OTHERWISE SPECIFIED		
ALL DIMENSIONS ARE IN MILLIMETERS		
TOLERANCES		
LINEAR		
OVER 300 UP TO 500 ±0.5		
OVER 500 UP TO 1000 ±0.5		
OVER 1000 UP TO 2000 ±0.5		
OVER 2000 UP TO 3000 ±0.5		
OVER 3000 UP TO 5000 ±0.5		
ANGULAR ±0.5°		
SURFACE ROUGHNESS Ra		
IF IN DOUBT ASK		

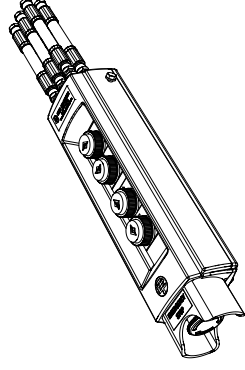
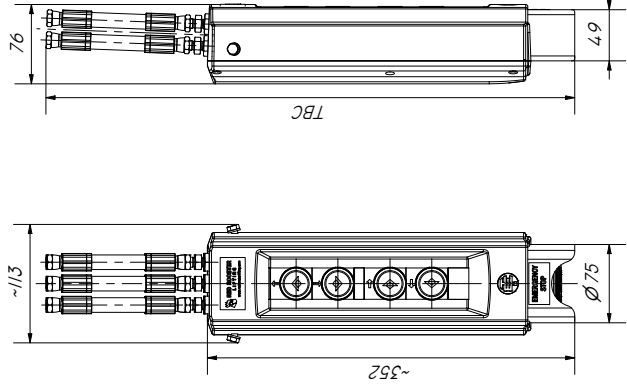
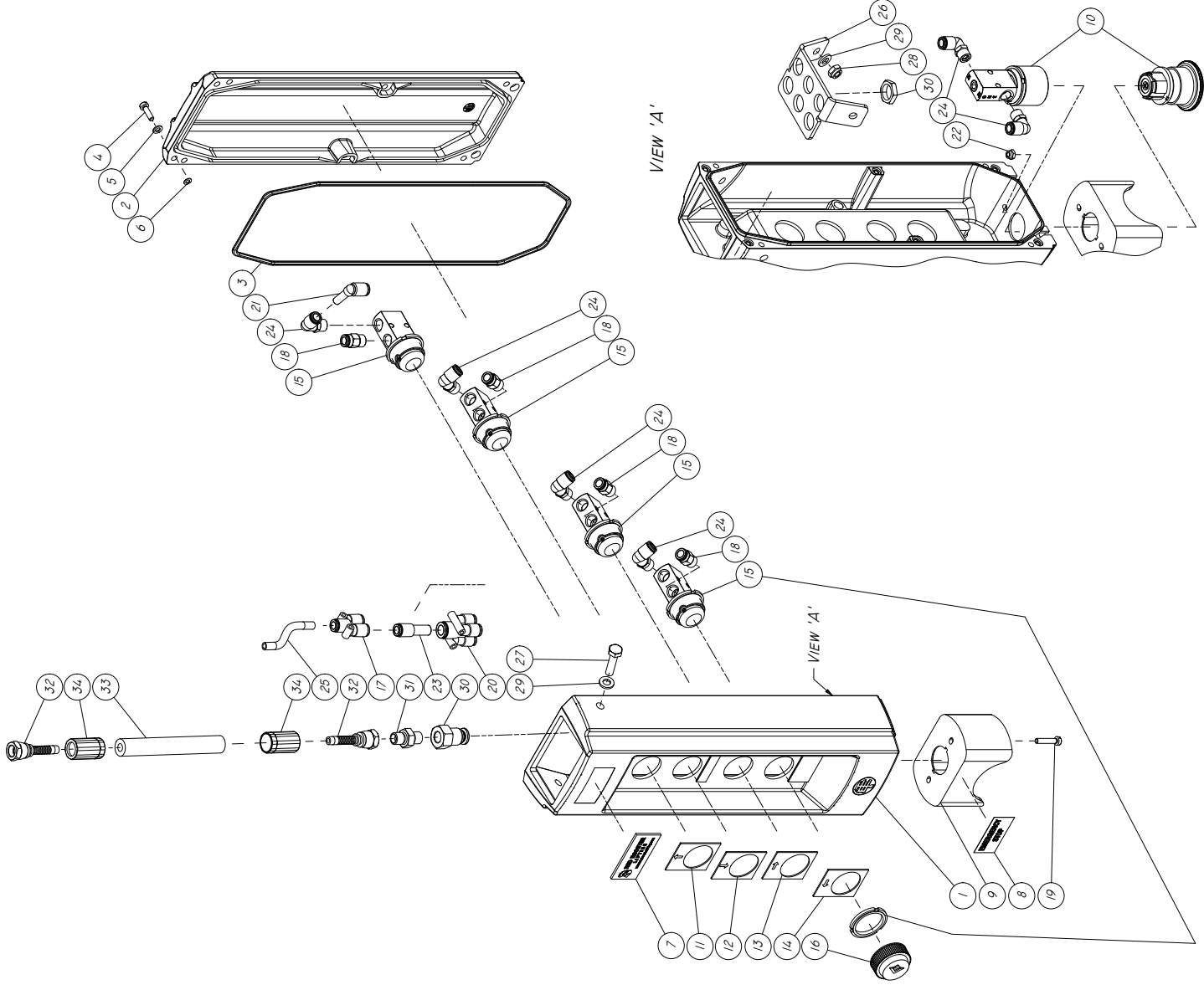
RRI-VTP4 - 4 STATION PENDANT C/W EMERGENCY STOP VALVE (S406-MJV03-ASSY)



RRI-VTP4 - 4 STATION PENDANT C/W EMERGENCY STOP VALVE (S406-MJV03-ASSY) - PARTS LIST			REV.
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	RRI-VTP4-01	FRONT CASE
2	1	XACAD01-02	REAR CASE
3	1	XACAD01-03	RUBBER SEAL
4	1	XACB02-04	PROTECTIVE CABLE SLEEVE
5	1	XACB02-05	PROTECTIVE CABLE SLEEVE MOUNTING I
6	1	XACB02-06	PROTECTIVE CABLE SLEEVE MOUNTING II
7	1	XACB02-07	PROTECTIVE CABLE SLEEVE MOUNTING I - BRACKET
8	1	XACB02-08	PROTECTIVE CABLE SLEEVE MOUNTING II - HANGER
9	1	XACB02-09	CASE ENCLOSURE KEY
10	2	XACB02-10	CROSS RECESSED PAN HEAD TAPPING SCREW 3.5X25
11	2	XACB02-11	SLOTTED CHEESE HEAD SCREW M6X25
12	6	XACB02-12	SLOTTED CHEESE HEAD SCREW M4X14
13	6	XACB02-13	WASHER M4
14	6	XACB02-14	PLASTIC WASHER M4
15	1	RRI-LABEL-REDROOSTER	RED ROOSTER LABEL
16	1	RRI-LABEL-E-STOP	EMERGENCY STOP LABEL
17	1	RRI-LABEL-E-STOP	YELLOW E-STOP GUARD
18	1	XAC-B-LEGEND-UP	UP LEGEND
19	1	XAC-B-LEGEND-DOWN	DOWN LEGEND
20	1	XAC-B-LEGEND-RIGHT	RIGHT LEGEND
21	1	XAC-B-LEGEND-LEFT	LEFT LEGEND
22	4	BIA-320941-VALVE	BUTTON VALVE
23	4	BIA-320942-B-COVER	BUTTON COVER
24	1	P080	BRANCH
25	2	P089	1/8" BSP TO 4MM PUSH FIT
26	2	P089	1/8" BSP TO 6MM PUSH FIT
27	2	P089	SLOTTED CHEESE HEAD SCREW M4X20
28	1	P102	ORANGEABLE IN BRANCH
29	2	P102	RED NYLON NUT
30	2	P102	RED NYLON NUT
31	1	P102	8MM-5MM REDUCER
32	6	P102	1/8" BSP TO 6MM PUSH FIT ELBOW
33	10	HP7	6MM POLYURETHANE TUBES
34	2	HP7	4MM POLYURETHANE TUBES
35	1	HP7	3/4" BRAIDED PU/C AIR HOSE
36	1	HP7	STIFFENER
37	1	RRI-VTP2-03	EMERGENCY STOP VALVE AND BUTTON
38	1	S406-MJV03-ASSY	GENERAL ASSEMBLY
SCALE			PART NUMBER
NTS			RRI-VTP4-00
DESIGNED BY			2 / 2
DRAWN BY			DATE 07/11/2023
CHECKED BY			REVISION WEIGHT
APPROVED BY			0 3.0 KG
SHEET SIZE			REPLACES DRAWING
A3			PROFILE NUMBER
			IF IN DOUBT ASK
			UNLESS OTHERWISE SPECIFIED
			ALL DIMENSIONS ARE IN MILLIMETERS
			LINEAR
			UP TO ±0.05
			OVER 0.05 UP TO 0.1
			OVER 0.1 UP TO 0.2
			OVER 0.2 UP TO 0.5
			OVER 0.5 UP TO 1.0
			ANGULAR ±0.5°
			SURFACE ROUGHNESS

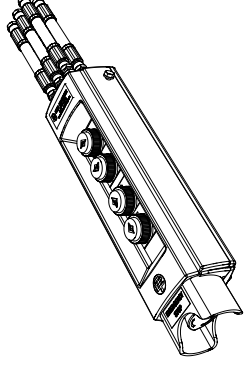
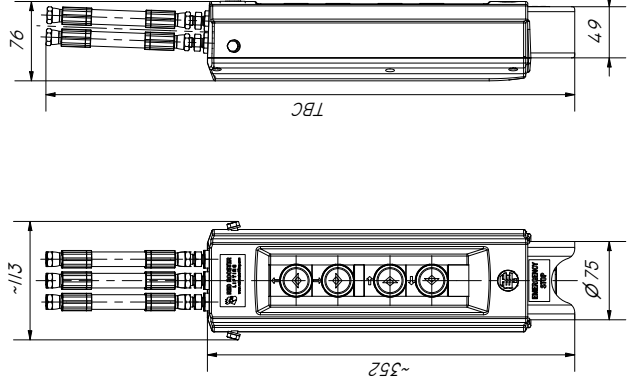
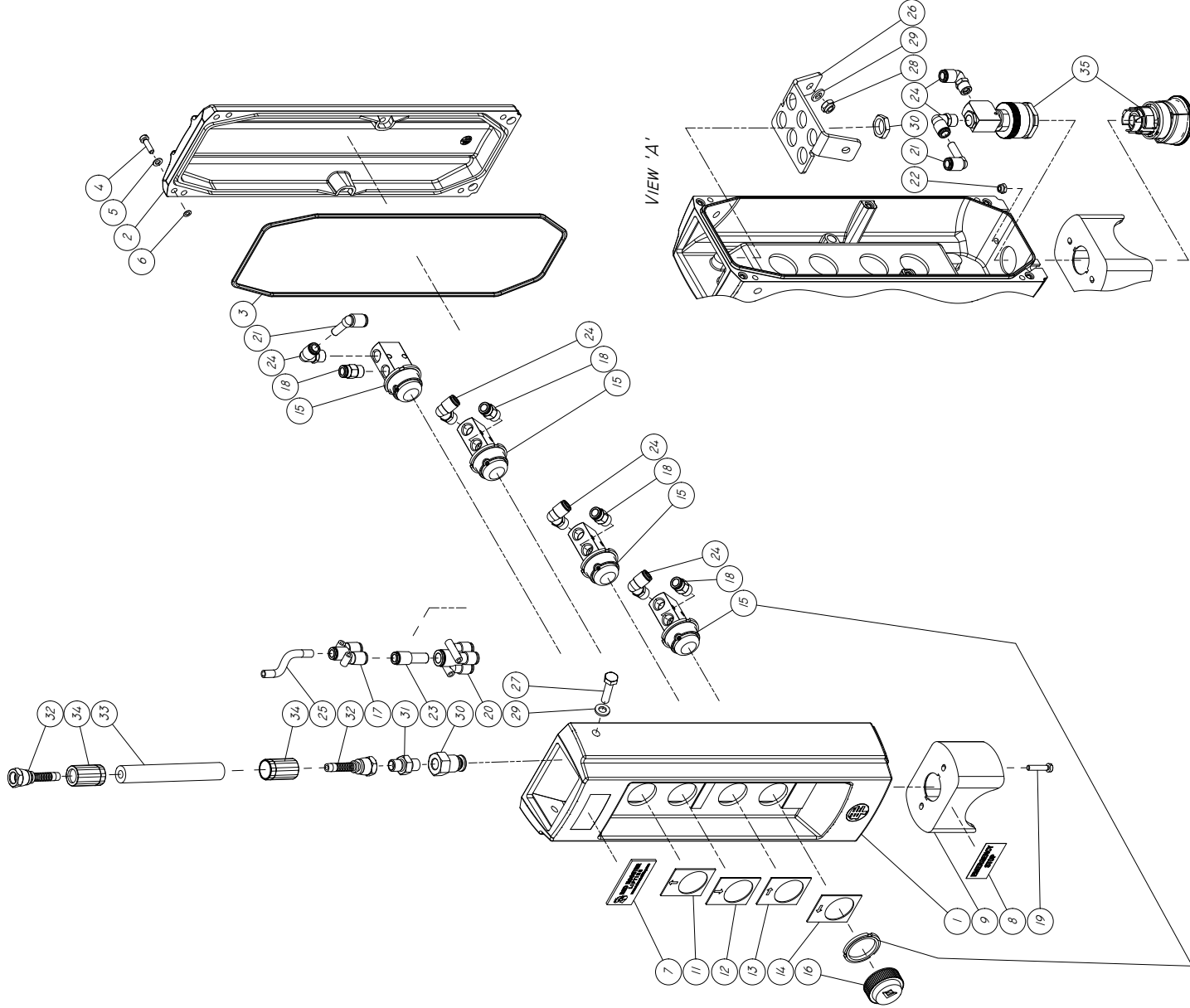
RR1-VTP4-M - 4 STATION PENDANT C/W EMERGENCY STOP VALVE (BIK3206P-BS54)

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



RRL-VTPL-M - 4 STATION PENDANT C/W EMERGENCY STOP VALVE (BK3206P-BSSL) - PARTS LIST									
ITEM QTY	PART NUMBER	DESCRIPTION	REV.						
1	RRL-VTPL-M-01	FRONT CASE	0						
2	XAC040-02	RUBBER SEAL	0						
3	XAC002-12	SLOTTED CHEESE HEAD SCREW M4x14	0						
4	XAC002-14	WASHER M4	0						
5	XAC002-14	PLASTIC WASHER M4	0						
6	RRL-LABEL-REDROOSTER	RED ROOSTER LABEL	0						
7	RRL-LABEL-E-STOP	EMERGENCY STOP LABEL	0						
8	E-STOP-GUARD01	YELLOW E-STOP GUARD	0						
9	BK3206P-BSSL	EMERGENCY STOP VALVE AND BUTTON	0						
10	XAC-B-LEGEND-DOWN	UP LEGEND	0						
11	XAC-B-LEGEND-UP	DOWN LEGEND	0						
12	XAC-B-LEGEND-RIGHT	RIGHT LEGEND	0						
13	XAC-B-LEGEND-LEFT	LEFT LEGEND	0						
14	BIK-3209-P-VALVE	BUTTON VALVE	0						
15	BIK-3209-P-VALVE	BUTTON COVER	0						
16	BIK-3209-294-B-COVER	Y" BRANCH	0						
17	P080	1/8" BSP TO 6MM PUSH FIT	0						
18	P087	SLOTTED CHEESE HEAD SCREW M4x20	0						
19	I05P	6MM DOUBLE Y" BRANCH	0						
20	P112	6MM PLUG IN ELBOW	0						
21	P118	HEX NYLOC NUT M4	0						
22	I33-1P	8MM NYLOC REDUCER	0						
23	301P	6MM POLYURETHANE TUBES	0						
24	304P	1/8" BSP TO 6MM PUSH FIT ELBOW	0						
25	HP7	6MM PENDANT BRACKET	0						
26	RRL-VTPL-M-02	HEX NYLOC NUT M6	0						
27	ISO 4018 - M6 x 25	HEX NYLOC ELBOW	0						
28	I39P	FLAT WASHER M6	0						
29	I43P	6MM TO 1/8" BSP BULBHEAD ADAPTOR	0						
30	P07-1	1/8" BSP HEX NIPPLE C/W GORE CONE	0						
31	P08-1	1/8" BSP TO 1/4" SWIVEL ROSE LINE	0						
32	P08-1	1/4" ANTI-STATIC BLACK AIR FUSE (BS EN ISO 2398:2016)	0						
33	P08-1	1/4" ROSE FEMALE (GALVANISED)	0						
34	P08-1	1/4" ROSE FEMALE (GALVANISED)	0						
35	P08-1	1/4" ROSE FEMALE (GALVANISED)	0						
TITLE OF PART			PART NUMBER						
GENERAL ASSEMBLY			RRL-VTPL-M-00						
DATE			09/11/2023						
REVISION			0 3.6 MG						
REPLACES DRAWING			-						
PROFILE NUMBER			-						
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS			LINEAR UP TO 30.0 MG OVER 30.0 MG TO 100.0 MG OVER 100.0 MG TO 300.0 MG OVER 300.0 MG TO 500.0 MG ANGULAR $\pm 0.5^\circ$ SURFACE ROUGHNESS $\sqrt{R}$ IF IN DOUBT ASK						

RR1-VTP4-M - 4 STATION PENDANT C/W EMERGENCY STOP VALVE (S406-MJV03-ASSY)



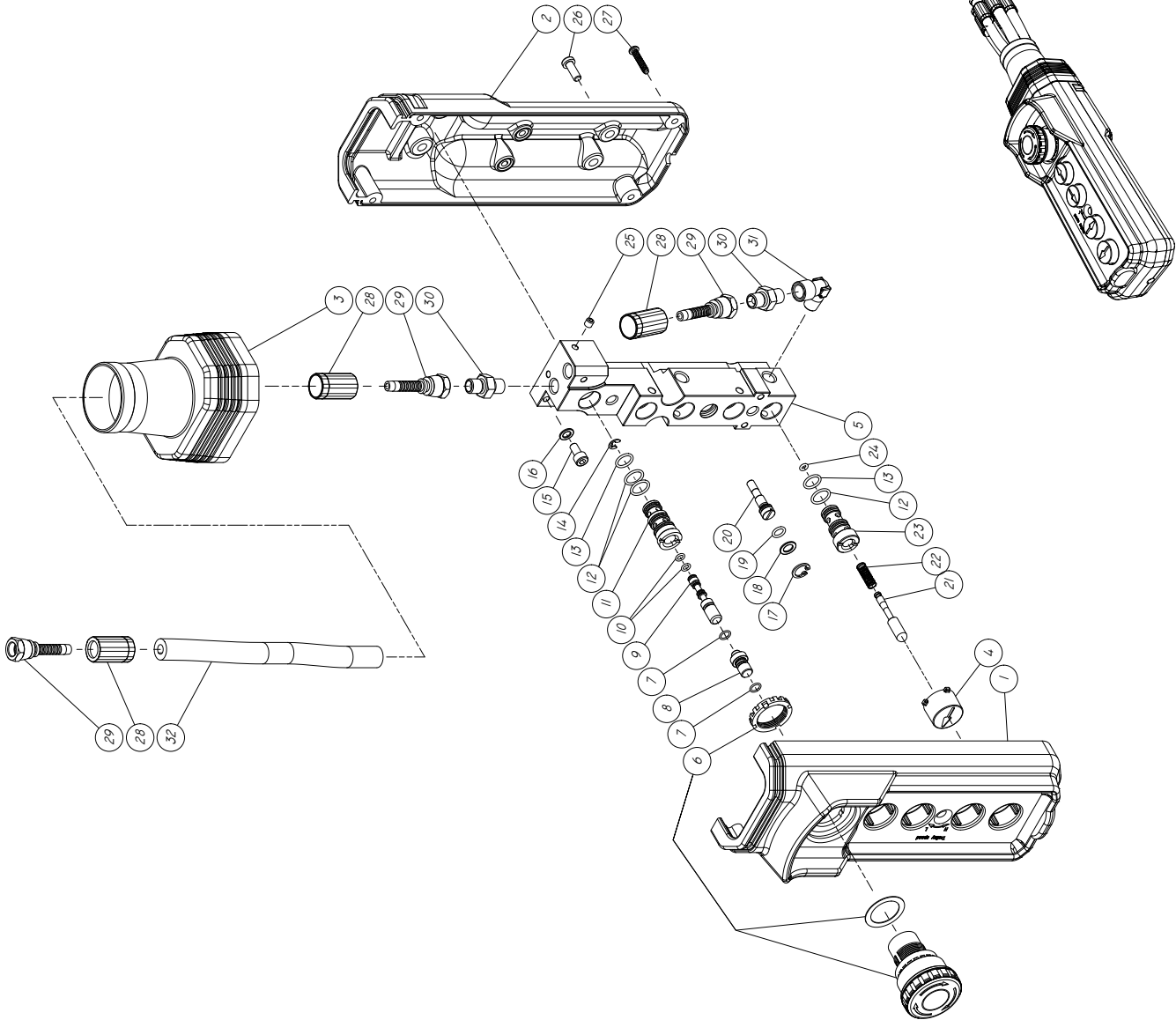
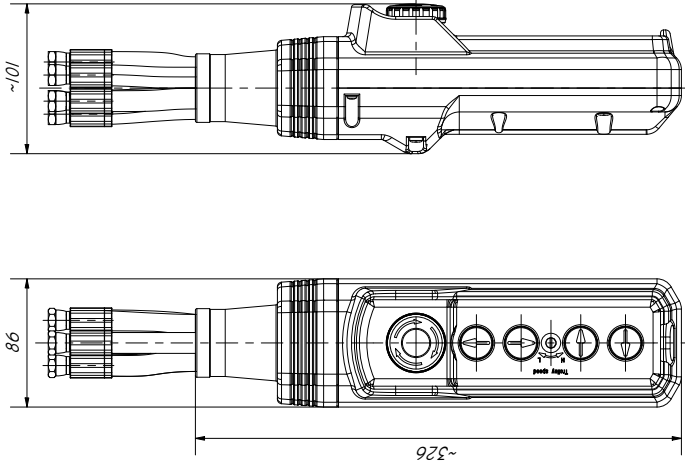
RRI-VTP4-M - 4. STATION PENDANT C/W EMERGENCY STOP VALVE (SL06-MVU03-ASSY) - PARTS LIST			REV.
ITEM	QTY	DESCRIPTION	
1	1	FRONT CASE	0
2	1	RRI-VTP4-M-00	0
3	1	XAC00-03	
4	6	XAC02-12	
5	6	XAC02-13	
6	6	XAC02-14	
7	1	RRI-LABEL-REDROOSTER	0
8	1	RRI-LABEL-E-STOP	0
9	1	E-STOP-GUARD	
10	1	XAC-B-LEGEND-UP	
11	1	XAC-B-LEGEND-DOWN	
12	1	XAC-B-LEGEND-RIGHT	
13	1	XAC-B-LEGEND-LEFT	
14	1	BIK-3209-P-VALVE	
15	4	BIK-3209-B-COVER	
16	4	P080	
17	1	1/8" BSP TO 6MM PUSH FIT	
18	4	P087	
19	2	ISO 4018 - M6 x 25	
20	1	P112	
21	2	P118	
22	2	1/32-IP	
23	1	30LP	
24	6	30LP	
25	12	HPT	
26	1	RRI-VTP4-M-02	
27	2	ISO 4018 - M6 x 25	
28	2	139P	
29	4	139P	
30	6	P145	
31	1	P011	
32	12	P011	
33	12	P012	
34	12	1/4" BSP	
35	1	SL06-MVU03-ASSY	

SCALE		MATERIAL	TITLE OF PART	GENERAL ASSEMBLY		PART NUMBER	
NTS		(RE EVALUATE)				RRI-VTP4-M-00	
DESIGNED BY	R. THORNE	DATE	08/11/2023	DATE		09/11/2023	
DRAWN BY	R. THORNE		09/11/2023	REVISION		WEIGHT	
CHECKED BY	T. MCKINLEY		13/11/2023	0		3.6 KG	
APPROVED BY	P. SHEWAN		14/11/2023	REPLACES DRAWING		-	
SHEET SIZE	A3	TITLE OF PROJECT		PROFILE NUMBER		-	
		RRI-VTP4-M - 4 STATION PENDANT					

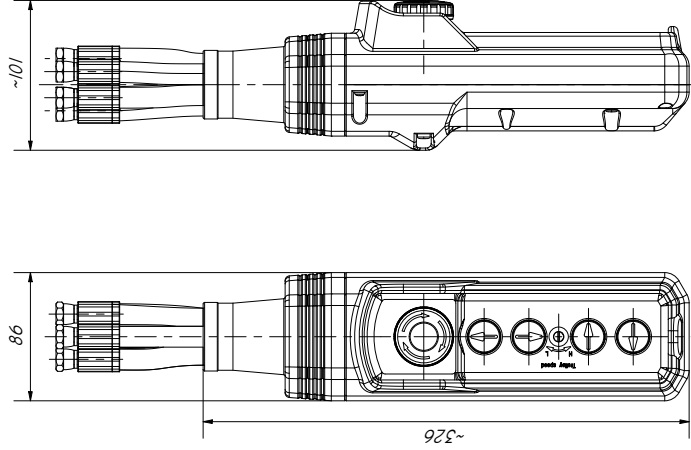
UNLESS OTHERWISE SPECIFIED	
ALL DIMENSIONS IN MILLIMETERS	
LINEAR	
UP TO 25.4	
OVER 25.4 TO 101.6	
OVER 101.6 TO 254	
OVER 254 TO 508	
OVER 508 TO 1016	
ANGULAR 4.0:5	
SURFACE ROUGHNESS	
IF IN DOUBT ASK	

VRD-4R STATION PENDANT - STANDARD VERSION

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



VRD-4R STATION PENDANT - STANDARD VERSION - PARTS LIST									
ITEM	QTY	PART NUMBER	DESCRIPTION	REV.					
2	1	4202351W60	FRONT CASE						
3	1	1360028256	REAR CASE						
4	1	4202351W40	BOOT						
5	1	4202351W40	VALVE BODY						
6	1	4202351W40	EMERGENCY STOP BUTTON						
7	2	1360028256	O-RING S-6						
8	0	4202351W40	EMERGENCY STOP VALVE						
9	1	4202351W40	EMERGENCY STOP VALVE						
10	2	4202351W40	EMERGENCY STOP VALVE						
11	1	4202351W40	EMERGENCY STOP VALVE						
12	6	4202351W40	EMERGENCY STOP VALVE						
13	5	131033003	O-RING S-10						
14	1	131033008	O-RING S-11.2						
15	1	131033014	RETAINING RING E-4						
16	1	131033010	HEX SOCKET HEAD CAP SCREW M5X10						
17	1	131033005	WASHER H5						
18	1	131033012	RETAINING RING H-12						
19	1	131033006	WASHER H6						
20	1	131033005	O-RING S-7						
21	4	4202351W40	ADJUST SCREW						
22	4	130802036	THROTTLE VALVE						
23	4	4202351W40	SPRING 0.81X0.32						
24	4	131090001	BUSHING						
25	4	132105305	O-RING S-5 (HS90)						
26	4	132404114	HEX SOCKET SET SCREW M5X5						
27	6	135904221	PHILLIPS PAN HEAD MACHINE SCREW M5X14						
28	12	P002-1	PHILLIPS PAN HEAD SELF-TAPPING SCREW 4X20						
29	12	P002-1	1/4" HOSE FEMALE (GALVANISED)						
30	6	P071-1	1/8" BSP TO 1/4" SWIVEL HOSE TAIL						
31	6	P128	1/8" BSP HEX NIPPLE C/W 60° CONE						
32	6		1/4" ANTI-STATIC 2BAR BLACK AIR HOSE (BS EN ISO 2398:2016)						
SCALE		MATERIAL		TITLE OF PART					
NTS		(OR EQUIVALENT)		GENERAL ASSEMBLY					
DESIGNED BY	SUBNAME	DATE	SIGNATURE	DATE					
DRAWN BY	R. THORKE	05/09/2023	<i>R. Thorke</i>	11/09/2023					
CHECKED BY	R. THORKE	11/09/2023	<i>R. Thorke</i>	REVISION HEIGHT					
APPROVED BY	T. MCKELWAIN	12/10/2023	<i>T. McKelwain</i>	0	2.8 HG				
SHEET SIZE		P. SHEWAN		REPLACES DRAWING					
A3		PROJECT		PROFILE NUMBER					
				-					
				-					
				ANGULAR ±0.5°					
				SURFACE ROUGHNESS √					
				IF IN DOUBT ASK					



VRD-4R STATION PENDANT - A-TEX VERSION - PARTS LIST				REV
ITEM	QTY	PART NUMBER	DESCRIPTION	
4	4	420235X14.0	BUTTON	
5	1	420235V1RD	VALVE BODY	
6	1	136699503	EMERGENCY STOP BUTTON	
8	2	131033004	O-RING S-6	
9	1	420235W100	PUSH ROD	
10	2	420235V191	EMERGENCY STOP VALVE	
11	2	1310331091	O-RING S-10	
12	2	420228V100	EMERGENCY STOP BUSHING	
13	6	131033009	O-RING S-12	
15	3	131033008	O-RING S-10	
16	1	130303204	RETAINING RING E-4	
17	1	131035310	HEX SOCKET HEAD CAP SCREW M5X10	
18	1	1310309205	WASHER M5	
19	1	130303012	RETAINING RING H-12	
20	1	1310309206	WASHER M6	
21	1	131033005	O-RING S-7	
22	1	420235V1M0	ADJUST SCREW	
23	4	4202018V80	THROTTLE VALVE	
24	4	130802036	SPRING 6X18X0.32	
25	4	4202018V1-0	BUSHING	
26	4	131090001	O-RING S-3 (HS90)	
27	4	132050305	HEX SOCKET SET SCREW M5X5	
28	6	132040414	PHILLIPS PAN HEAD MACHINE SCREW M5X14	
29	12	1320604221	PHILLIPS PAN HEAD SELF-TAPPING SCREW 4X20	
30	1	P002-1	1/4" HOSE FERRULE (GALVANISED)	
31	6	P016-1	1/8" BSP TO 1/4" SWIVEL HOSE TAIL	
32	4	P128	1/8" BSP HEX NIPPLE C/W 60° CONE	
33	1	14- HOSE	1/4" ANTI-STATIC ZUBAR BLACK AIR HOSE (BS EN ISO 2398:2016)	
34	1	420235V1M50	FRONT CASE	
35	1	420235V1M60	REAR CASE	
36	1	136003202	BOD S	
37	4	130303202	YELLOW STICKER	
38	4	131020705	WASHER T5	

SCALE		MATERIAL	TITLE OF PART	PART NUMBER	
NTS		(SEE EXHAUST)	GENERAL ASSEMBLY	VRD-4R-00 2 / 2	
DESIGNED BY	R. THORNER	DATE	11/09/2023	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS	
DRAWN BY	R. THORNER	REVISION	0	LINEAR UP TO 5.005 OVER 5.005 TO 10.005 OVER 10.005 TO 15.005 OVER 15.005 TO 20.005 OVER 20.005 TO 30.005	
CHECKED BY	T. MIKOLAJEWSKI	WEIGHT	2.8 KG	ANGULAR 4.05° IF IN DOUBT ASK	
APPROVED BY	P. SIEWIAN	REPLACES DRAWING	-	PROFILE NUMBER	
TITLE OF PROJECT			VRD-4R STATION PENDANT		
SHEET SIZE			A3		