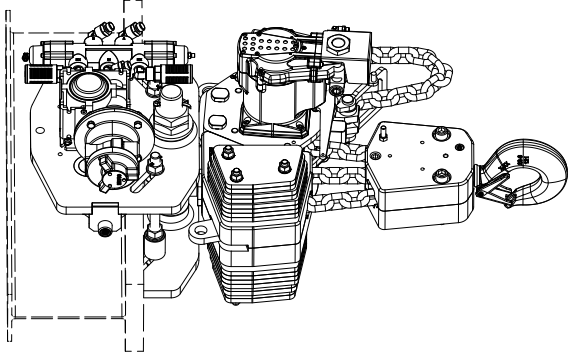
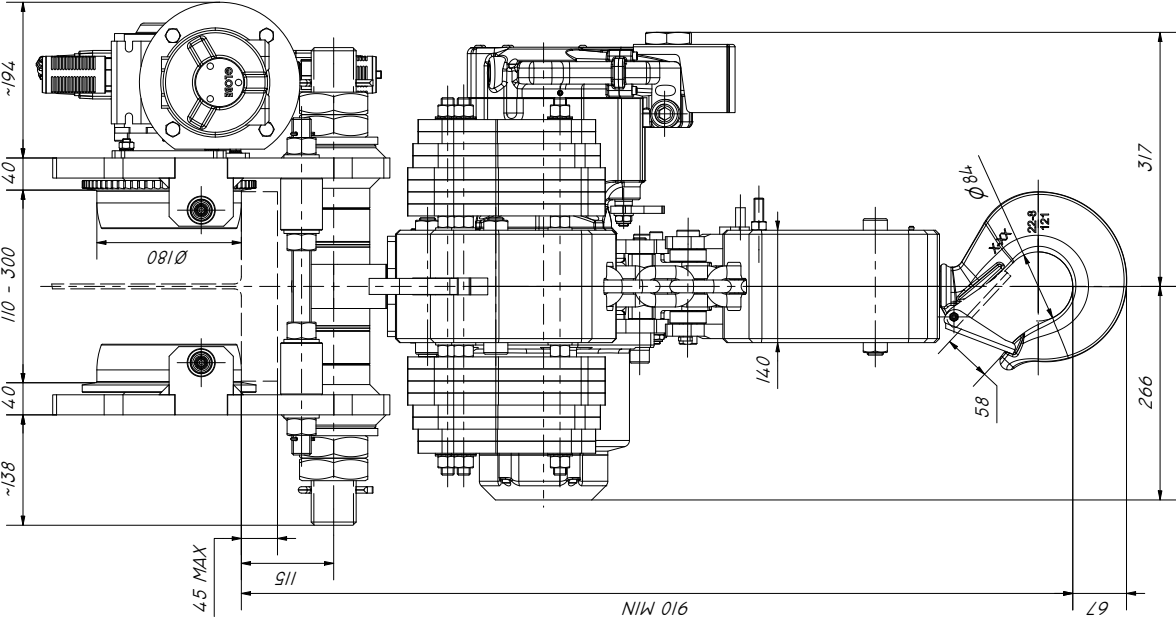
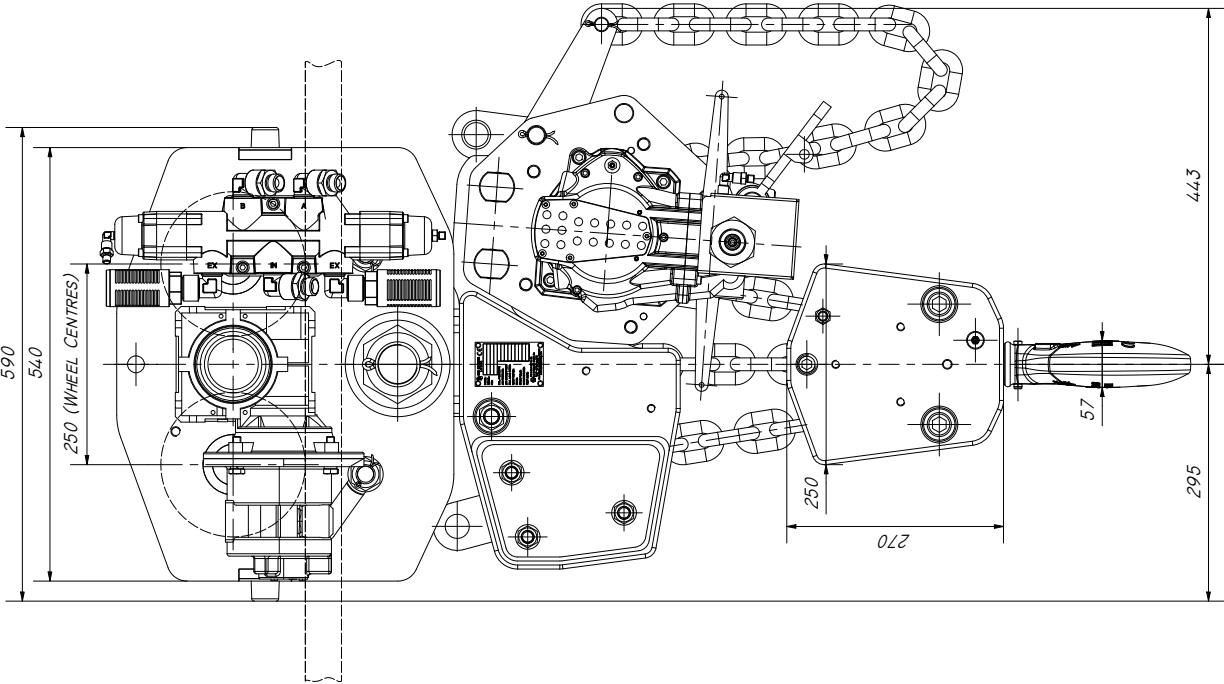
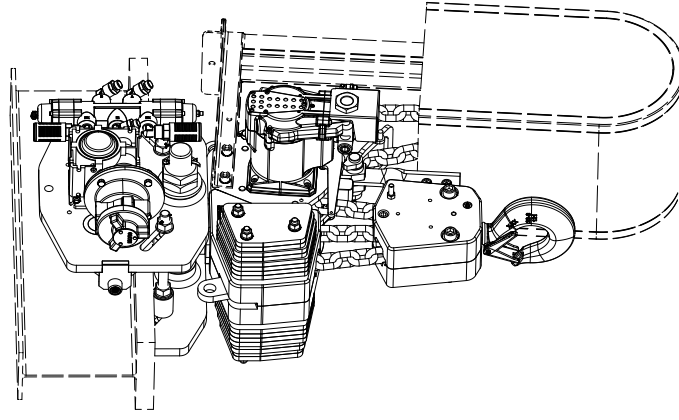
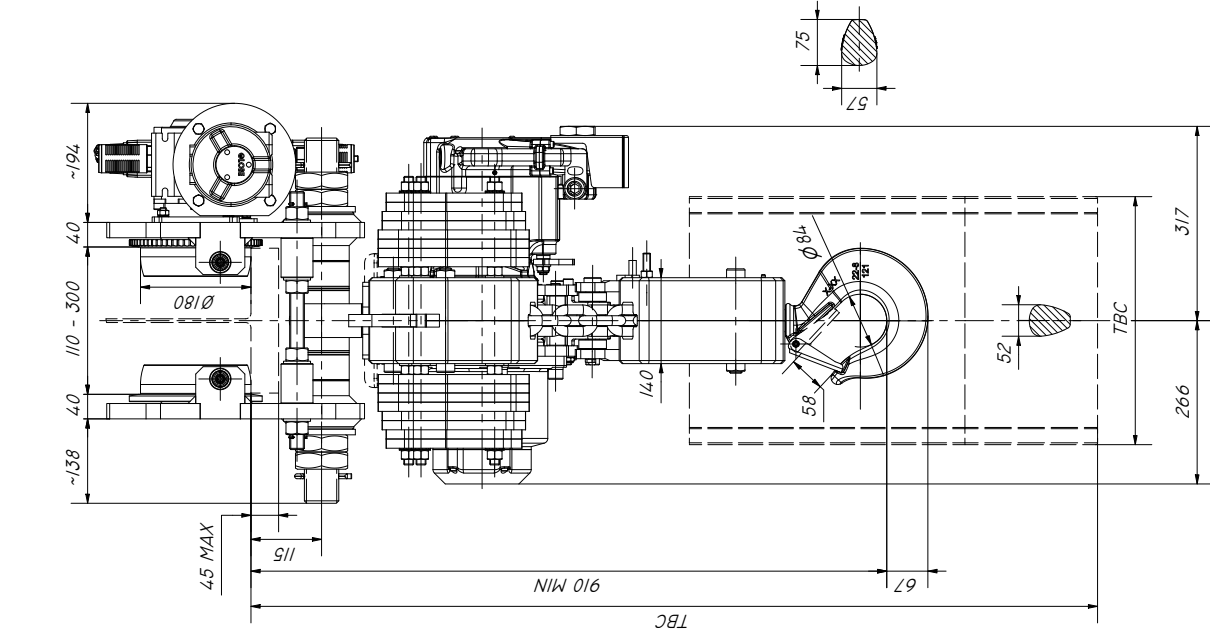


REVISION HISTORY		
REV.	DATE	APPROVED
0	11/07/2023	PAUL SHEWAN



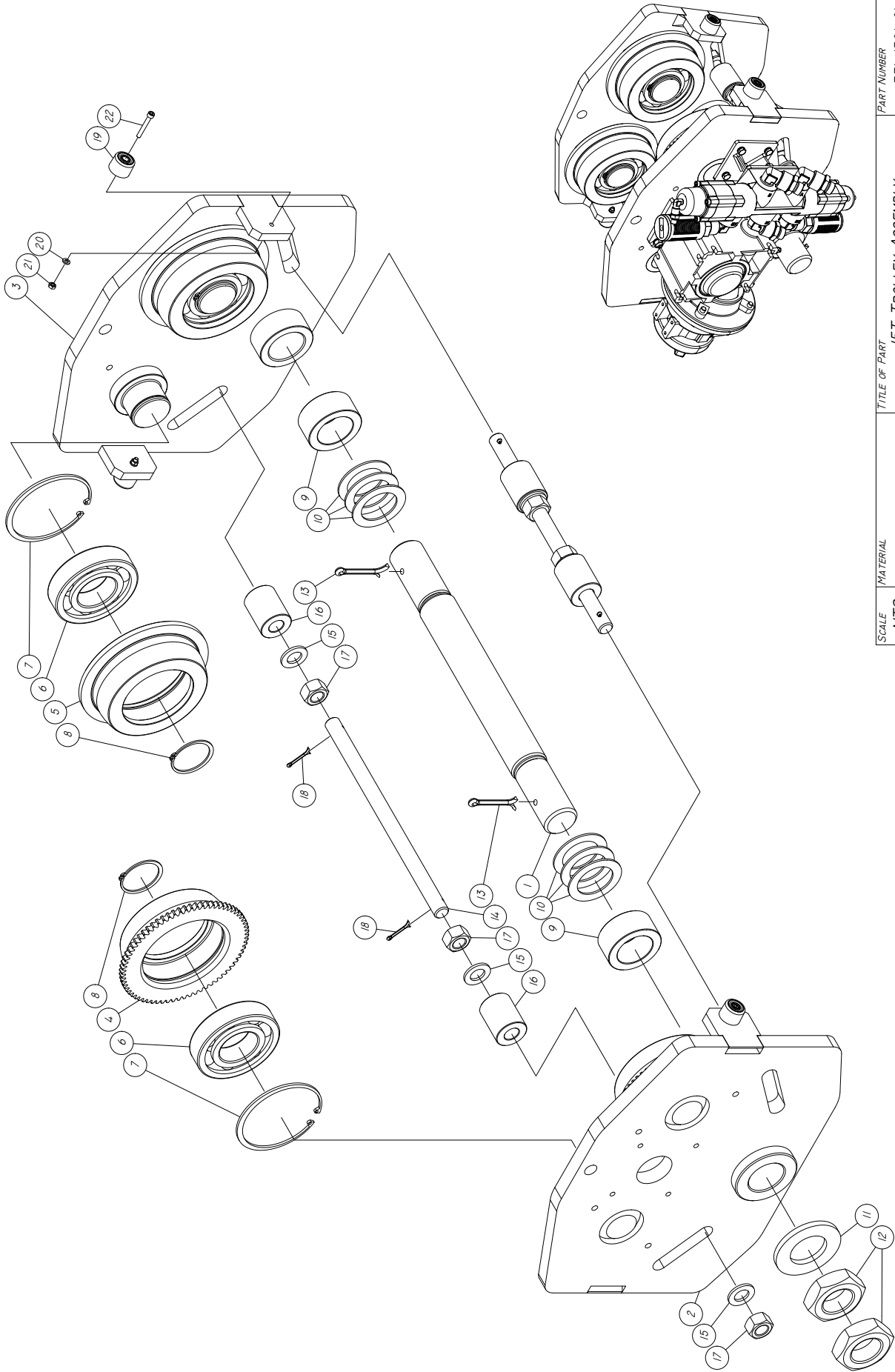
SCALE		MATERIAL		TITLE OF PART		GENERAL ASSEMBLY		PART NUMBER	
NTS								RRL 1504-17	1 / 2
DESIGNED BY	R. TWOREK	SIGNATURE		DATE	05/05/2023	REVISION WEIGHT	0 ~635 KG	UNLESS OTHERWISE SPECIFIED	ALL DIMENSIONS ARE IN MILLIMETERS
DRAWN BY	R. TWOREK	SIGNATURE		DATE	05/05/2023	REPLACES DRAWING		LINEAR	TOLERANCES
CHECKED BY	T. MIKOLAJEWSKI	SIGNATURE		DATE	05/05/2023			OVER 0.5 UP TO 0.1	ANGULAR ±0.5°
APPROVED BY	P. SHEWAN	SIGNATURE		DATE	05/05/2023			OVER 0.1 UP TO 0.05	ANGULAR ±0.5°
SHEET SIZE	A3	TITLE OF PROJECT	TMH15 - 15T 3F H8T					SURFACE ROUGHNESS	IF IN DOUBT ASK



ITEM QTY	PART NUMBER	PARTS LIST		DESCRIPTION	REV.
1	RRL 1504-01			1ST TROLLEY ASSEMBLY	1
2	RRL 1504-00			GENERAL ASSEMBLY	0
SCALE	MATERIAL	TITLE OF PART			
NTS	(OR EQUIVALENT)	GENERAL ASSEMBLY			
SURNAME		DATE	SIGNATURE	PART NUMBER	
DESIGNED BY	R. THORNER	05/05/2023	<i>R. Thorner</i>	RRL 1504-17	
DRAWN BY	R. THORNER	05/05/2023	<i>R. Thorner</i>	2 / 2	
CHECKED BY	T. MIKOLA-KEWSKI	05/05/2023	<i>T. Mikola-Kewski</i>	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETERS TOLERANCES	
APPROVED BY	P. SIEWIAN	09/05/2023	<i>P. Siewian</i>	LINEAR OVER 30 TO 120 ±0.1 OVER 120 TO 250 ±0.2 OVER 250 TO 500 ±0.3 OVER 500 TO 1000 ±0.5 OVER 1000 TO 1500 ±0.75 ANGULAR ±0.5° SURFACE ROUGHNESS IF IN DOUBT ASK	
SHEET SIZE	A3	TITLE OF PROJECT		REPLACES DRAWING	
		TMH15 - 15T 3F H&T		PROFILE NUMBER	

STANDARD I5T AIR TROLLEY

REVISION HISTORY		
REV.	DATE	APPROVED
1	11/07/2023	PAUL SHEWAN



SCALE	MATERIAL	TITLE OF PART		PART NUMBER	
NTS		I5T TROLLEY ASSEMBLY		RRL I504-01	
DESIGNED BY	O. MORGAN	SIGNATURE	DATE	1 / 6	
DRAWN BY	O. MORGAN	SIGNATURE	19/05/2021		
CHECKED BY	W. MORRISON	SIGNATURE	REVISION WEIGHT		
APPROVED BY	B. ALLEN	SIGNATURE	1		
SHEET SIZE	A3	TITLE OF PROJECT		REPLACES DRAWING	
				-	
				PROFILE NUMBER	
				-	

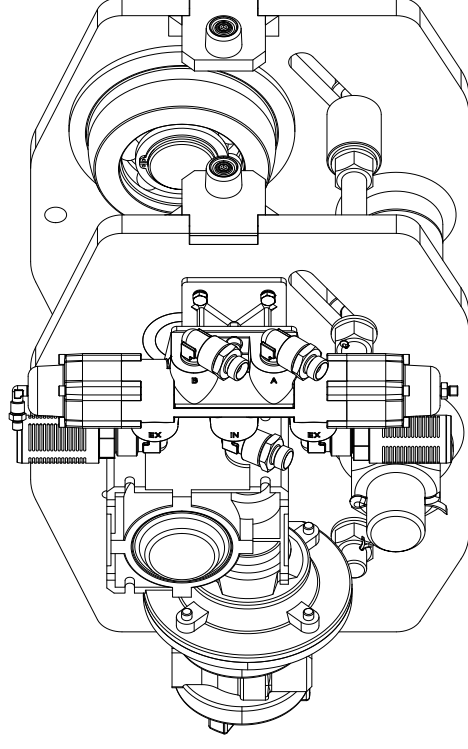
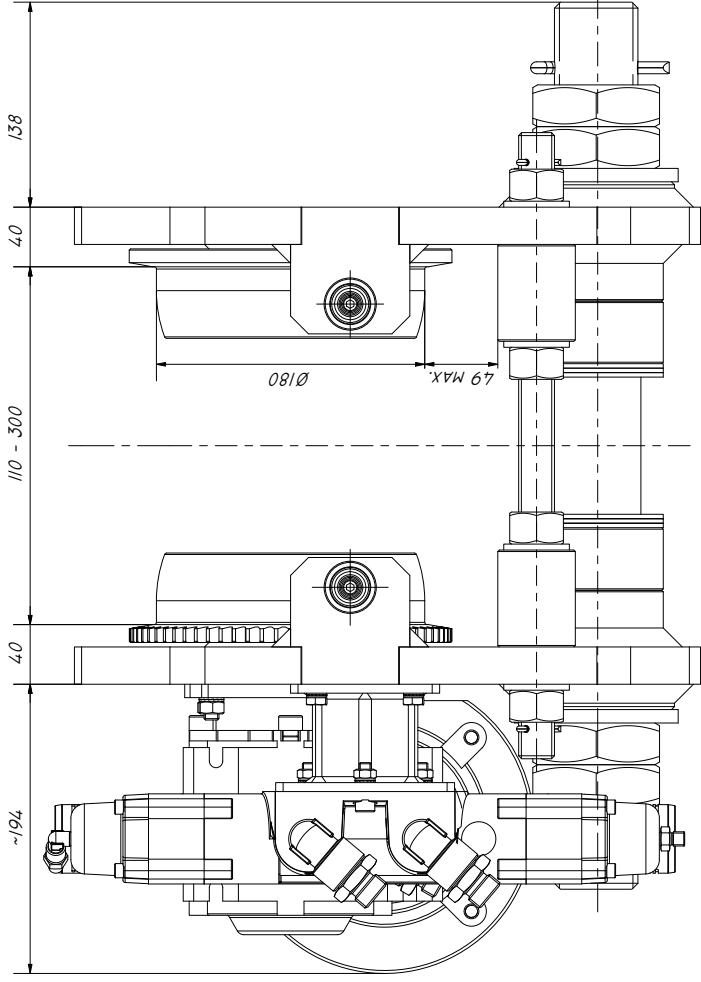
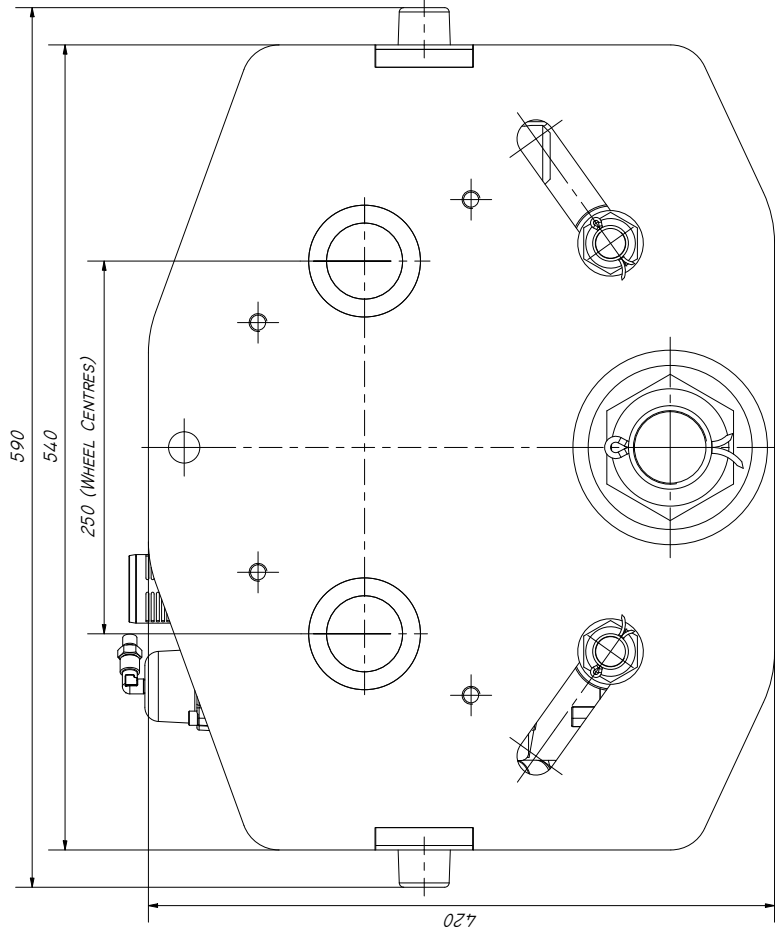
RED ROOSTER LIFTING
LIFTING EQUIPMENT
110, WILLOW ROAD, THE WOODS
GLASGOW, G4 7LJ, SCOTLAND
TEL: 0141 206 1000
WWW.REDROOSTERLIFTING.CO.UK

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN MILLIMETERS

LINEAR
UP TO ± 0.15
UP TO ± 0.30
UP TO ± 0.50
OVER 0.50 UP TO 1.000 ± 0.5
OVER 1.000 UP TO 10.000 ± 0.5
ANGULAR $\pm 0.5^\circ$
SURFACE FINISHES $\sqrt{R}$
IF IN DOUBT ASK

This exploded view diagram illustrates the assembly of a mechanical component. The main body features two large circular openings. Key components and their assembly sequence are indicated by numbered callouts: 23 (a pin), 25 (a shaft), 26 (a sleeve), 27 (a pin), 28 (a nut), 29 (a pin), 30 (a pin), 31 (a pin), 32 (a pin), 33 (a pin), 34 (a pin), 38 (a pin), 39 (a pin), 40 (a pin), 41 (a pin), and 42 (a pin). The diagram shows the relative positions and alignment of these parts for assembly.

SCALE	MATERIAL	TITLE OF PART		PART NUMBER	
NTS	(OR EQUIVALENT)	15T TROLLEY ASSEMBLY		RRL 1504-01 2 / 6	
DESIGNED BY	SIGNATURE	DATE	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS		
DRAWN BY	SIGNATURE	DATE	TOLERANCES		
CHECKED BY	SIGNATURE	DATE	LINEARY		
APPROVED BY	SIGNATURE	DATE	OVER 0.5 TO 0.9 0.05		
			OVER 0.9 TO 1.2 0.1		
			OVER 1.2 TO 2.5 0.15		
			OVER 2.5 TO 5.0 0.2		
			OVER 5.0 TO 10.0 0.3		
			OVER 10.0 TO 30.0 0.5		
			OVER 30.0 TO 100.0 1.0		
SHEET SIZE	TITLE OF PROJECT		ANGULAR $\pm 0.5^\circ$		
A3	15T AT		SURFACE ROUGHNESS $\sqrt{R}$ IF IN DOUBT ASK		



STANDARD 15T AIR TROLLEY PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	RRL 1504-16	LOAD BAR	1
2	1	RRL 1504-02	MOTOR PLATE (W)	0
3	1	RRL 1504-03	SIDE PLATE (W)	0
4	2	RRL 1504-11S1	GEAR WHEEL - STANDARD VERSION	0
5	2	RRL 1504-12S1	PLAIN WHEEL - STANDARD VERSION	0
6	4	DIN 625 SKF - SKF 6313-22	DEEP GROOVE BALL BEARINGS SINGLE ROW WITH TWO Z SHIELDS SKF	0
7	4	DIN 472 - 140X4	RETAINING RINGS FOR BORES	0
8	4	DIN 471 - 65X2.5	RETAINING RINGS FOR SHAFT	0
9	2	RRL 1504-09	SPACER	0
10	6	RRL 1504-10	WASHER	0
11	2	DIN 125-2 - A 62	HEX NUT, PRODUCT GRADES A AND B	0
12	4	ISO 4035 - M56	WASHER	0
13	2	RRL 1504-13	SPLIT PIN	0
14	2	RRL 1504-15	TIE ROD	0
15	6	DIN 125 - A 125	WASHER	0
16	4	RRL 1504-14S1	ANTI TIP ROLLER - STANDARD VERSION	0
17	4	ISO 4035 - M24	HEX NUT, PRODUCT GRADES A AND B	0
18	4	DIN EN ISO 1234 - 4X33	SPLIT PIN	0
19	4	DIN 125-2 - A 64	1 3/8" BLACK RUBBER STOP	0
20	4	ISO 1234 - 64	WASHER	0
21	4	ISO 1032 - M6x5	HEX NUT, PRODUCT GRADES A AND B	0
22	4	DIN 913 - M10 X 1.0	CYLINDER HEAD CAP SCREW	0
23	4	SKS163FH-AC80-50-1	HEXAGON SCREW LOCK SET SCREW	0
24	1	RRL 1504-22	GEAR SHAFT	0
25	1	DIN 6885 - A 8 X 7 X 90	PIVOT SHAFT	0
26	1	DIN 9021 - 10.5	PARALLEL KEY	0
27	1	DIN 9021 - 10.5	WASHER	0
28	5	DIN 7980 - 10	SPRING WASHER	0
29	1	DIN 933 - M10 X 30	HEX-HEAD BOLT	0
30	4	ISO 1032 - M10	M10 NORDLOCK WASHER GLUED PAIR	0
31	4	ISO 1032 - M10	HEX NUT, PRODUCT GRADES A AND B	0
32	1	ISO 1032 - M10	AIR MOTOR	0
33	4	DIN 931-1 - M10 X 4.0	HEX-HEAD BOLT	0
34	1	ISO 1032 - M10	VALVE BRACKET ASSEMBLY	0
35	1	ISO 1032 - M10	HEX NUT, PRODUCT GRADES A AND B	0
36	1	ISO 1032 - M10	HEX NUT, PRODUCT GRADES A AND B	0
37	1	ISO 1032 - M10	HEX NUT, PRODUCT GRADES A AND B	0
38	1	ISO 1032 - M10	HEX NUT, PRODUCT GRADES A AND B	0
39	7	ISO 1032 - M8 X 20	HEXAGON HEAD CAP SCREW	0
40	4	ISO 1032 - M8 X 20	CYLINDER HEAD CAP SCREW	0
41	3	DIN 934 - M8	HEX NUT	0
42	3	DIN 934 - M8	HEX NUT	0

SCALE: NTS

MATERIAL: (SEE DRAWING)

TITLE OF PART: 15T TROLLEY ASSEMBLY

PART NUMBER: RRL 1504-01

DATE: 19/05/2021

REVISION WEIGHT: ~185KG

REPLACES DRAWING: -

PROFILE NUMBER: -

IF IN DOUBT ASK

SURFACE ROUGHNESS: 0.05

ANGULAR: 0.05

LINEAR: 0.05

OVER 0.05 TO 0.1

OVER 0.1 TO 0.2

OVER 0.2 TO 0.5

OVER 0.5 TO 1.0

OVER 1.0 TO 2.0

OVER 2.0 TO 5.0

OVER 5.0 TO 10.0

OVER 10.0 TO 20.0

OVER 20.0 TO 50.0

OVER 50.0 TO 100.0

OVER 100.0 TO 200.0

OVER 200.0 TO 500.0

OVER 500.0 TO 1000.0

OVER 1000.0 TO 2000.0

OVER 2000.0 TO 5000.0

OVER 5000.0 TO 10000.0

OVER 10000.0 TO 20000.0

OVER 20000.0 TO 50000.0

OVER 50000.0 TO 100000.0

OVER 100000.0 TO 200000.0

OVER 200000.0 TO 500000.0

OVER 500000.0 TO 1000000.0

OVER 1000000.0 TO 2000000.0

OVER 2000000.0 TO 5000000.0

OVER 5000000.0 TO 10000000.0

OVER 10000000.0 TO 20000000.0

OVER 20000000.0 TO 50000000.0

OVER 50000000.0 TO 100000000.0

OVER 100000000.0 TO 200000000.0

OVER 200000000.0 TO 500000000.0

OVER 500000000.0 TO 1000000000.0

OVER 1000000000.0 TO 2000000000.0

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OVER 5000000000.0 TO 10000000000.0

OVER 10000000000.0 TO 20000000000.0

OVER 20000000000.0 TO 50000000000.0

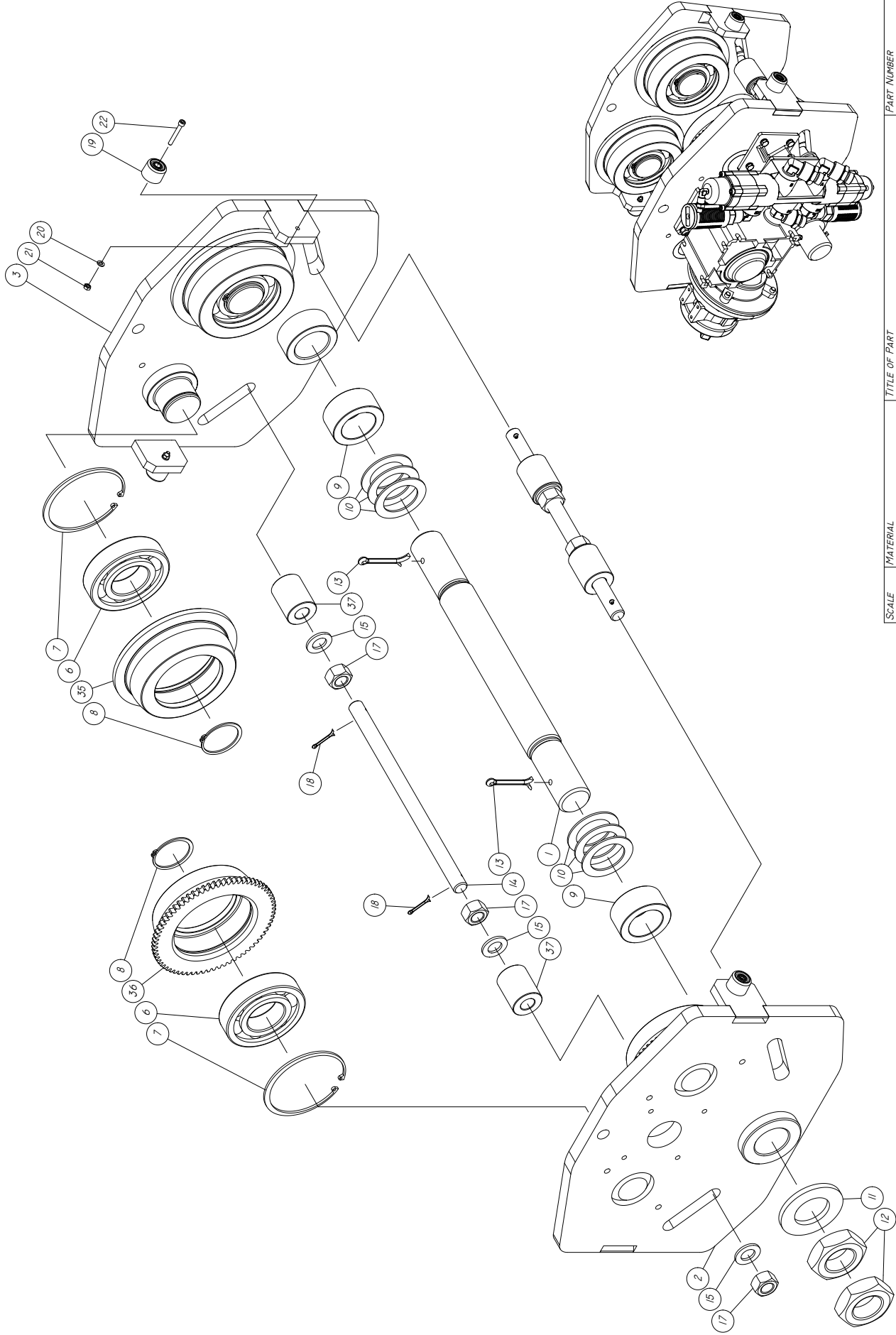
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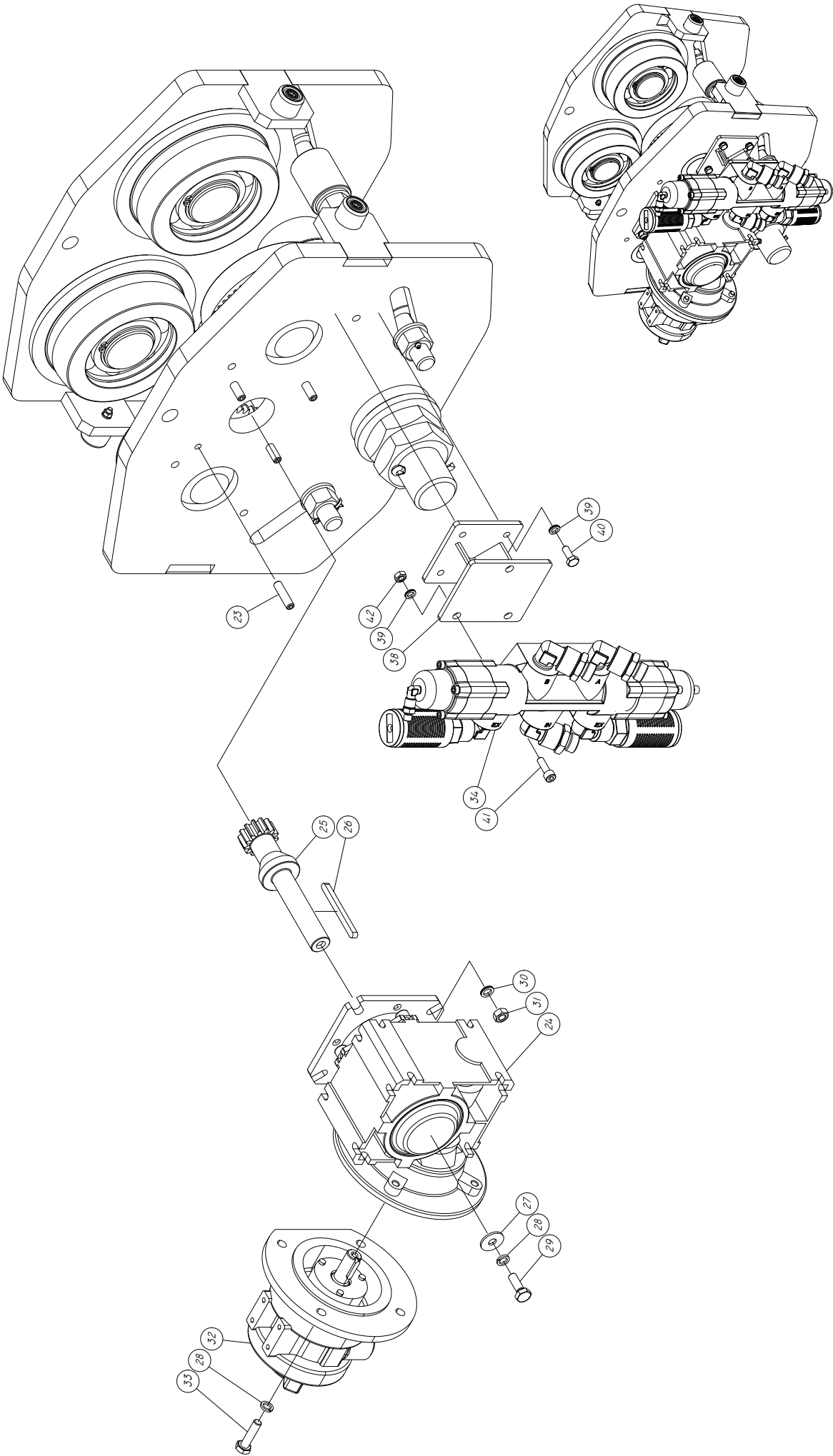
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ATEX 15T AIR TROLLEY

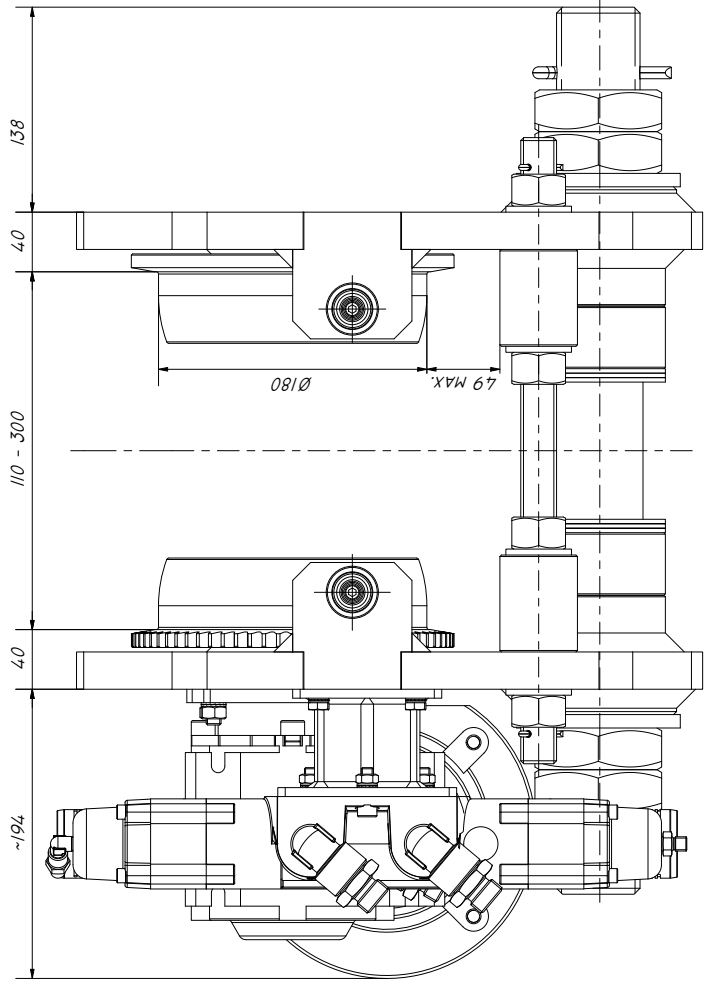
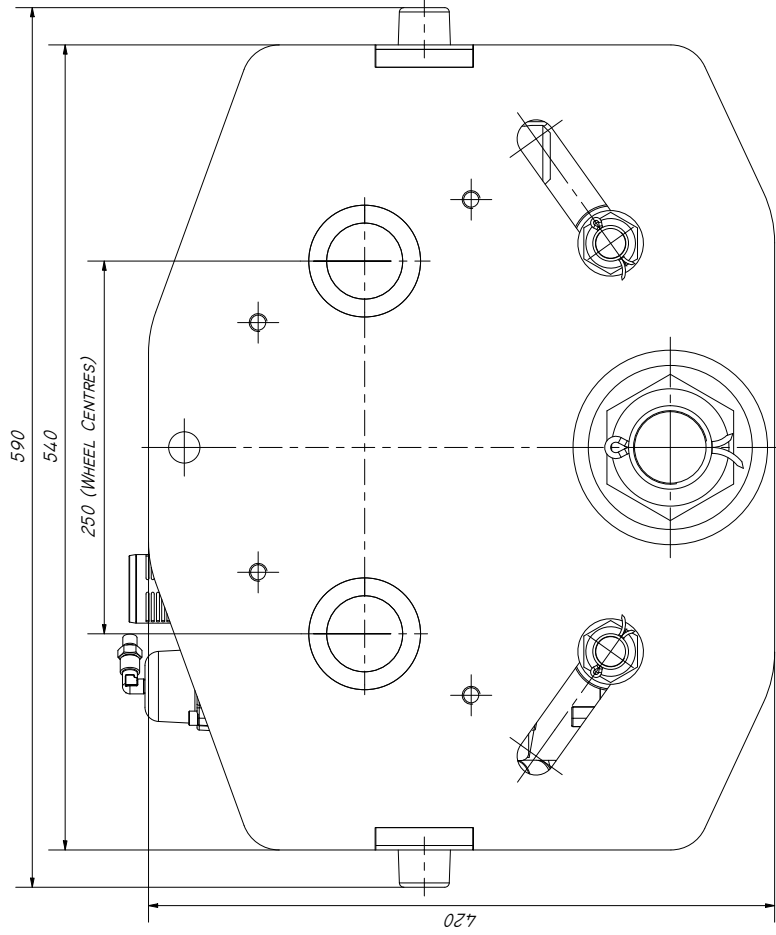


SCALE		MATERIAL		TITLE OF PART		PART NUMBER			
NTS		(OR EQUIVALENT)		15T TROLLEY ASSEMBLY		RRL 1504-01			
DESIGNED BY		DATE		DATE		4 / 6			
DRAWN BY		SIGNATURE		SIGNATURE		ALL DIMENSIONS ARE IN MILLIMETERS			
CHECKED BY		DATE		DATE		TOLERANCES			
APPROVED BY		DATE		DATE		UP TO 3.0/0.5			
SHEET SIZE		TITLE OF PROJECT		TITLE OF PROJECT		OVER 3.0/0.5 TO 10.0/1.2			
A3						OVER 10.0/1.2 TO 30.0/3.0			
				OVER 30.0/3.0 TO 100.0/6.0					
				OVER 100.0/6.0 TO 300.0/12.0					
				OVER 300.0/12.0 TO 1000.0/40.0					
				OVER 1000.0/40.0 TO 3000.0/100.0					
				OVER 3000.0/100.0 TO 10000.0/300.0					
				OVER 10000.0/300.0 TO 30000.0/1000.0					
				OVER 30000.0/1000.0 TO 100000.0/3000.0					
				OVER 100000.0/3000.0 TO 300000.0/10000.0					
				OVER 300000.0/10000.0 TO 1000000.0/30000.0					
				OVER 1000000.0/30000.0 TO 3000000.0/100000.0					
				OVER 3000000.0/100000.0 TO 10000000.0/300000.0					
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ATEX 15T AIR TROLLEY

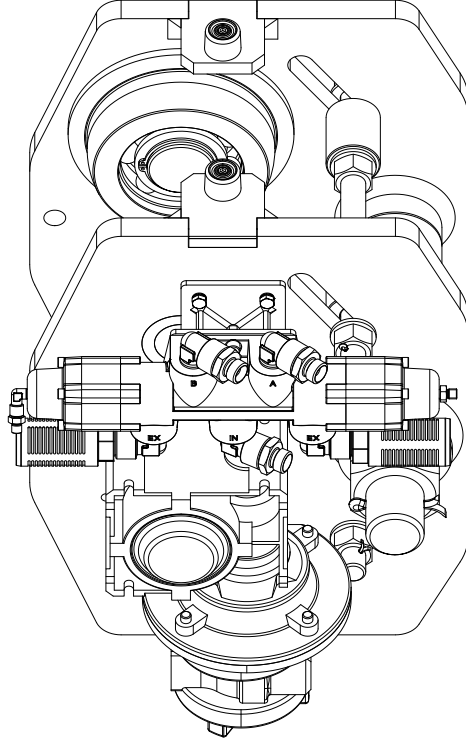


SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
NTS		(or equivalent)		15T TROLLEY ASSEMBLY		RRL 1504-01	
DESIGNED BY		SIGNATURE	DATE	DATE		5 / 6	
DRAWN BY		O. MORGAN	18/05/2021	19/05/2021		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS	
CHECKED BY		O. MORGAN	19/05/2021	REVISION WEIGHT		TOLERANCES	
APPROVED BY		W. MORRISON	20/05/2021	1		LINEAR	
SHEET SIZE		B. AITKEN	21/05/2021	~185KG		OVER 30 UP TO 50	
A3		TITLE OF PROJECT		REPLACES DRAWING		OVER 50 UP TO 100	
						OVER 100 UP TO 150	
						OVER 150 UP TO 200	
						ANGULAR $\pm 0.5^\circ$	
						SURFACE ROUGHNESS $\sqrt{\text{ }}$	
						IF IN DOUBT ASK	



ATEX 15T AIR TROLLEY PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	RRL 1504-16	LOAD BAR	1
2	1	RRL 1504-02	MOTOR PLATE (W)	0
3	1	RRL 1504-03	SIDE PLATE (W)	0
6	4	DIN 625 SKF - SKF 6313-22	DEEP GROOVE BALL BEARINGS SINGLE ROW WITH TWO Z SHIELDS SKF	0
7	4	DIN 472 - 140x4	RETAINING RINGS FOR BORES	0
8	4	DIN 471 - 65x2.5	RETAINING RINGS FOR SHAFT	0
9	2	RRL 1504-09	SPACER	0
10	6	RRL 1504-10	SPACER WASHER	0
11	2	DIN 125-2 - A 62	WASHER	0
12	4	ISO 4035 - M56	HEX NUT: PRODUCT GRADES A AND B	0
13	2	CSN EN ISO 1234 - 8x70	SPLIT PIN	0
14	2	RRL 1504-13	TIE ROD	0
15	8	DIN 125 - A 25	WASHER	0
17	8	ISO 4032 - M24	HEX NUT: PRODUCT GRADES A AND B	0
18	4	DIN EN ISO 1234 - 4x35	SPLIT PIN	0
19	4	DSI789	1 3-8" BLACK RUBBER STOP	0
20	4	DIN 125 - A 6.4	WASHER	0
21	4	ISO 4032 - M6	HEX NUT: PRODUCT GRADES A AND B	0
22	4	DIN 912 - M6 x 4.5	CYLINDER HEAD CAP SCREW	0
23	4	DIN 913 - M10 x 40	HEXAGON SOCKET SET SCREW	0
24	1	SN5163FH-IEC80-50:1	GEARBOX	0
25	1	RRL 1504-22	PISTON SHAFT	0
26	1	DIN 6885 - A 3 x 7 x 90	PARALLEL KEY	0
27	1	DIN 9021 - 10:5	WASHER	0
28	5	DIN 1980 - 10	SPRING WASHER	0
29	1	DIN 935 M10 x 30	HEX-HEAD BOLT	0
30	1	NL2	M10 NORBLOK WASHER GLUED PAIR	0
31	4	ISO 10332 - M10	HEX NUT: PRODUCT GRADES A AND B	0
32	4	ISO 10332 - M10	HEX NUT: PRODUCT GRADES A AND B	0
33	1	DIN 931 M10 x 40	HEX-HEAD BOLT	0
34	1	RRL 1504-01	15T AIR TROLLEY CONTROL VALVE C/W FITTINGS	0
35	2	RRL 1504-12AX	PISTON WHEEL - A1EX VERSION	0
36	2	RRL 1504-11AX	GEAR WHEEL - A1EX VERSION	0
37	1	RRL 1504-14AX	ANTI TIP ROLLER - A1EX VERSION	0
38	1	CVR-03-00	VALVE BRACKET ASSEMBLY	0
39	7	NL8	M8 NORBLOK WASHER GLUED PAIR	0
40	4	ISO 1017 - M8 x 20	HEXAGON HEAD SCREWS	0
41	3	DIN 912 - M8 x 25	CYLINDER HEAD CAP SCREW	0
42	3	DIN 934 - M8	HEX NUT	0



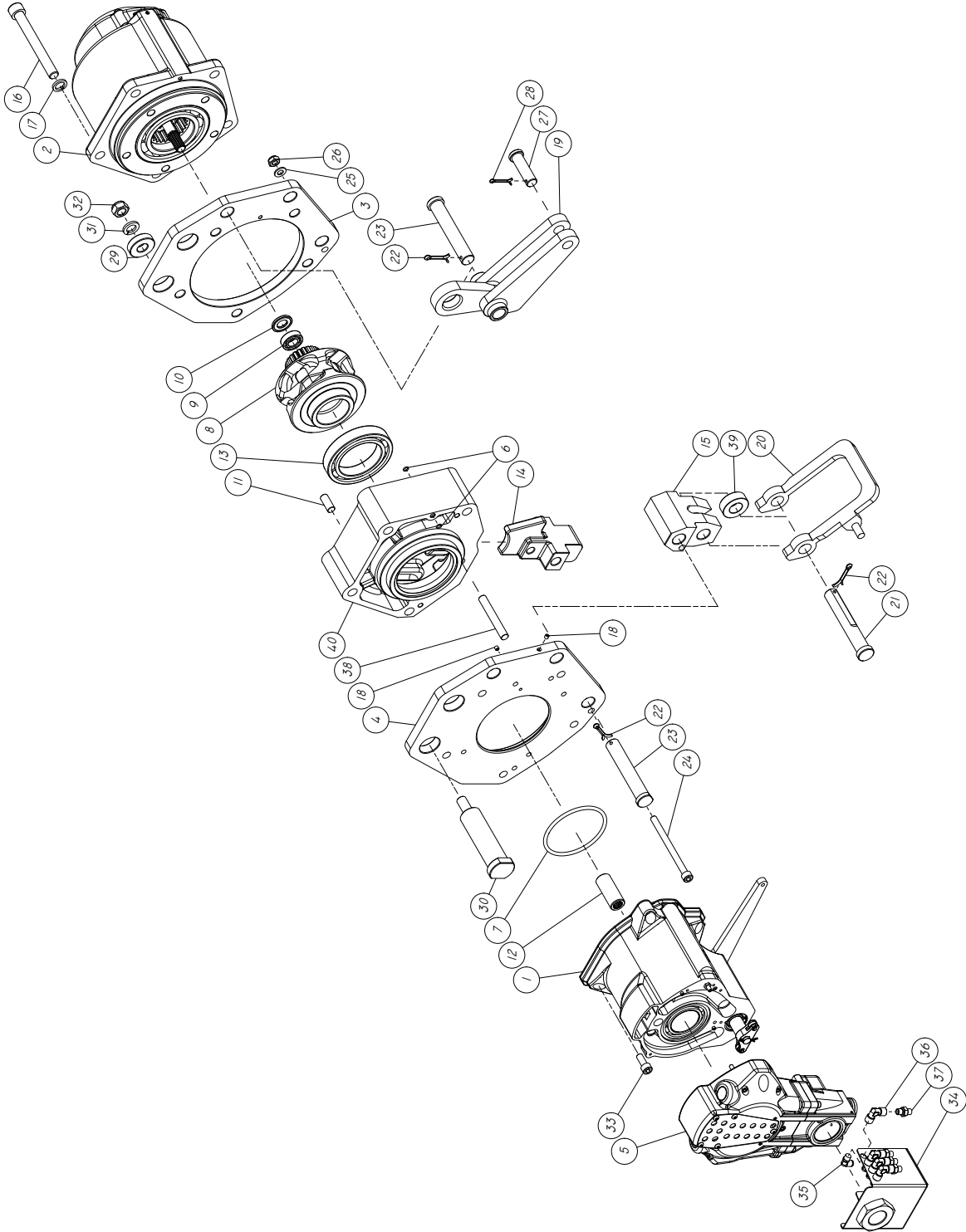
SCALE	MATERIAL	TITLE OF PART	PART NUMBER
NTS		15T TROLLEY ASSEMBLY	RRL 1504-01
DESIGNED BY	O. MORGAN	DATE	19/05/2021
DRAWN BY	O. MORGAN	REVISION WEIGHT	1 ~185KG
CHECKED BY	W. MORRISON	REPLACES DRAWING	-
APPROVED BY	B. AITKEN	PROFILE NUMBER	-
SHEET SIZE	A3	TITLE OF PROJECT	15T AT

RED ROOSTER LIFTING
WITHIN THE RELEVANT
COUNTRIES THE RELEVANT
TELEPHONE NUMBERS ARE
WWW.ROOSTERLIFTING.COM

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN MILLIMETERS
TOLERANCES
LINEAR
UP TO < 300
OVER 300 UP TO 1000
OVER 1000 UP TO 2000
OVER 2000 UP TO 5000
ANGULAR ±0.5°
SURFACE ROUGHNESS
IF IN DOUBT ASK

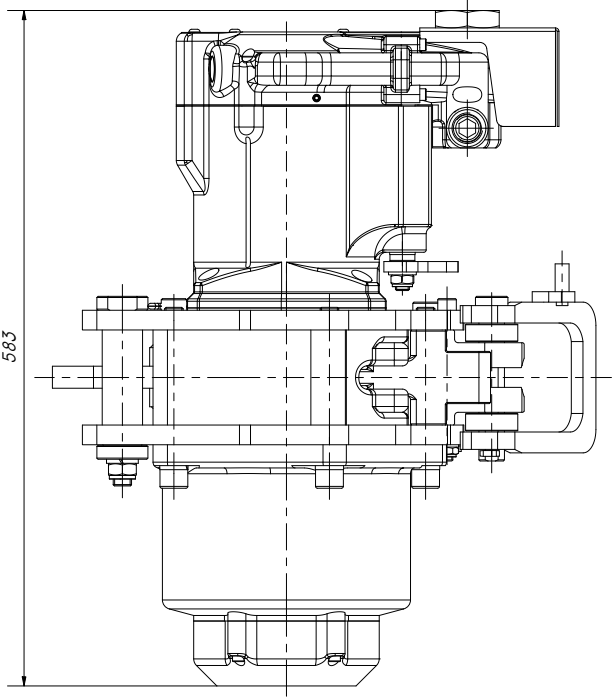
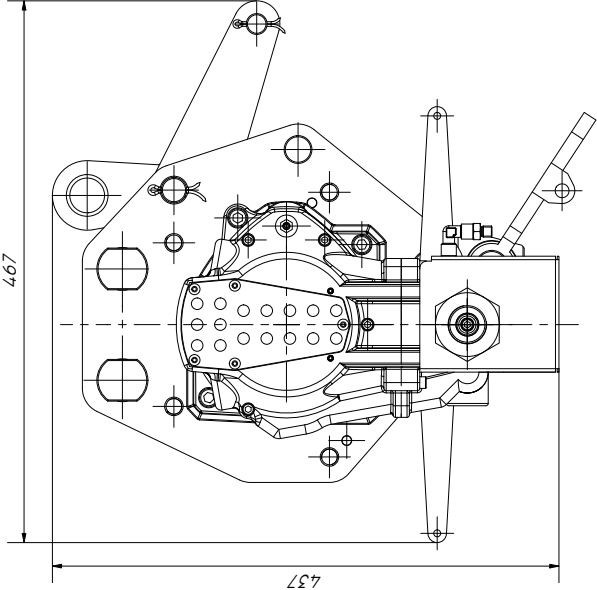
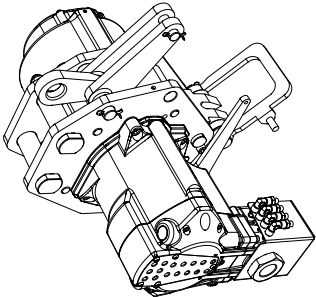
DRIVE UNIT VERSION WITHOUT CHAIN COLLECTOR

REVISION HISTORY		
REV.	DATE	APPROVED
0	11/07/2023	PAUL SHEWMAN



SCALE		MATERIAL		TITLE OF PART		DRIVE UNIT		PART NUMBER	
NTS		(OR EQUIVALENT)						RRL 1588-DU / / 4	
DESIGNED BY		DATE		SIGNATURE		DATE		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS	
DRAWN BY		03/05/2023		R. TYNOREK		03/05/2023		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS	
CHECKED BY		03/05/2023		R. TYNOREK		0		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS	
APPROVED BY		04/05/2023		T. MINOLAJENSKI		258.8 KG		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS	
SHEET SIZE		05/05/2023		P. SHEWMAN		REV. ACES DRAWING		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS	
A3		TITLE OF PROJECT		PROFILE NUMBER		-		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS	
		TMH15 - 15T 3F AH		-				UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS	
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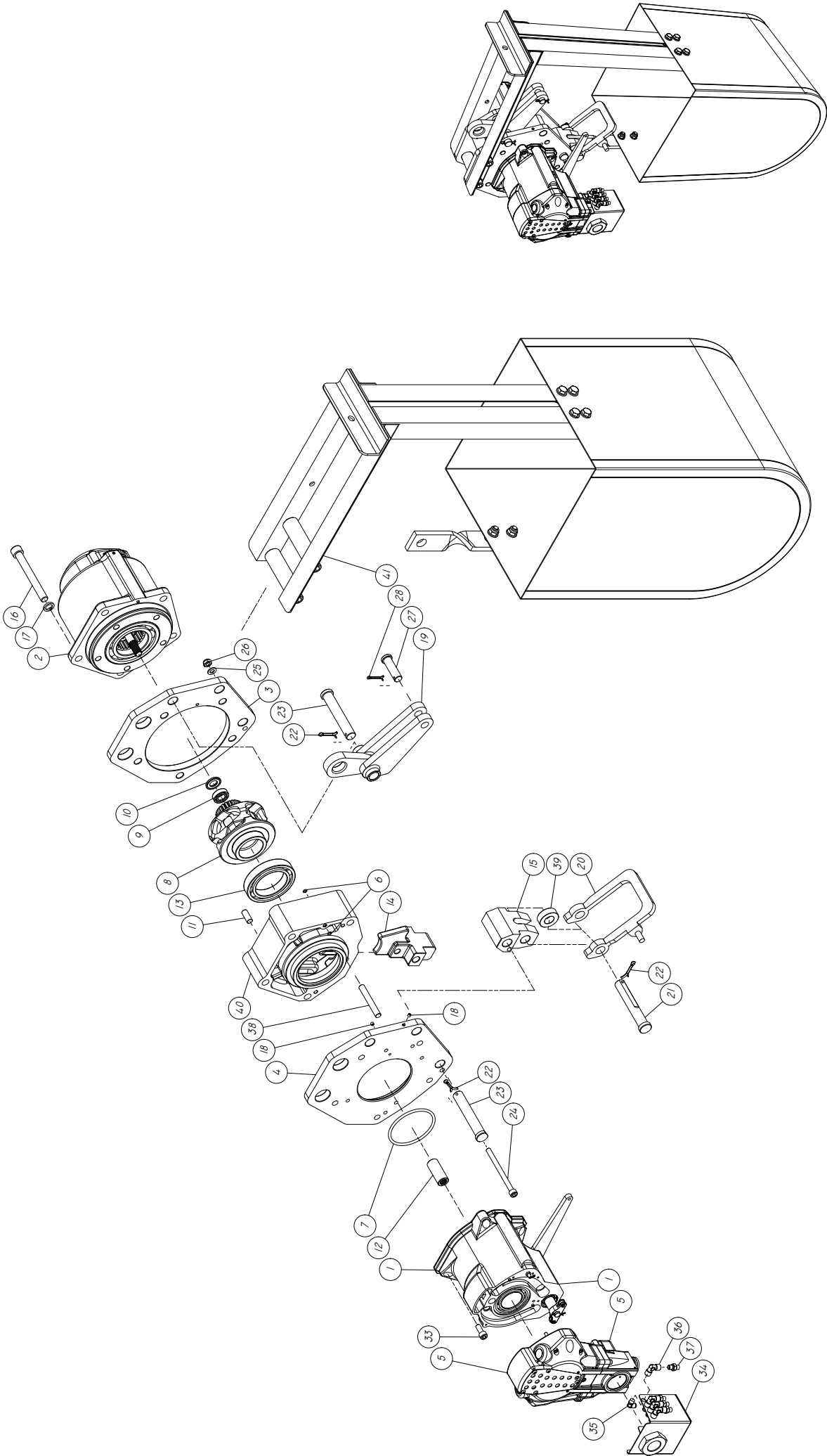
DRIVE UNIT VERSION WITHOUT CHAIN COLLECTOR



Drive Unit Version Without Chain Collector - Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	TMH-10 AM	AIR MOTOR	
2	1	TMH-10 GB	GEAR BOX	
3	1	425828M80	MIDDLE PLATE G	
4	1	425828M90	MIDDLE PLATE M	
5	1	TMH-10 CV	CONTROL VALVE	
6	2	131103005	O-RING S-7	
7	1	131101068	O-RING P-100	
8	1	425828A50	LOAD SHEAVE	
9	1	131014004	BEARING 6003	
10	1	425828Q20	BEARING COVER	
11	3	426301L60	KNOCK PIN	
12	1	425806200	COUPLING	
13	1	130150105	BEARING 6015 DDU	
14	1	426303R40	CHAIN SEPARATOR	
15	1	426303X10	CHAIN SET PLATE	
16	5	131716400	HEXAGON SOCKET HEAD CAP SCREW M16X140	
17	5	131300106	SPRING WASHER M16	
18	2	132106006	HEX SOCKET SET SCREW M6X6	
19	1	426301X70	CHAIN END CONNECTOR	
20	1	425828N20	LIMIT LEVER D	
21	1	426303X160	CHAIN SET SPINDLE	
22	3	130105035	SPLIT PIN 5X35	
23	2	426301X50	CHAIN SET PLATE SHAFT	
24	1	131710130	HEXAGON SOCKET HEAD CAP SCREW M10X150	
25	1	131301010	WASHER M10	
26	1	134301010	U NUT M10	
27	1	426301X82	CHAIN END PIN	
28	1	136301R50	SPLIT PIN 4X32	
29	2	426301R60	WASHER	
30	2	426301A10	HANGER PIN	
31	2	134301010	SPRING WASHER	
32	2	131701035	HEXAGON SOCKET HEAD CAP SCREW M10X25	
33	4	PEB-01	FRAMANT PINNET (TMH-5000 & TMH-10)	0
34	4	KQ210A-01NS	7/8" BSP MALE TO GMT PUSH FIT ELBOW	
35	4	FEI 02NP	1/8" FEMALE ELBOW	
36	4	100-0202	1/8" MALE TO 1/8" MALE NIPPLE	
37	4	100-0202	CHAIN SEPARATOR PIN	
38	1	426301L10	SPACER	
39	2	RRL 1588-08	CHAIN GUIDE	0
40	1	RRL 1588-19		

SCALE		MATERIAL		TITLE OF PART		DRIVE UNIT		PART NUMBER	
NTS		(SEE EXPLANATION)		SIGNATURE		DATE		03/05/2023	
DESIGNED BY		R. TYNOREK		03/05/2023		03/05/2023		03/05/2023	
DRAWN BY		R. TYNOREK		03/05/2023		03/05/2023		03/05/2023	
CHECKED BY		T. MIKOLAJEWSKI		04/05/2023		04/05/2023		04/05/2023	
APPROVED BY		P. SIEMAN		05/05/2023		05/05/2023		05/05/2023	
SHEET SIZE		A3		TITLE OF PROJECT		TMH15 - 15T 3F AH		REPLACES DRAWING	
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DRIVE UNIT VERSION WITH CHAIN COLLECTOR



SCALE		MATERIAL		TITLE OF PART		DRIVE UNIT		PART NUMBER	
NTS		(see comments)						RRL 1588-DU	
DESIGNED BY		SIGNATURE		DATE		DATE		3 / 4	
DRAWN BY		R. TYMOREK		03/05/2023		03/05/2023			
CHECKED BY		T. MIKOLAJEWSKI		03/05/2023		0		258.8 KG	
APPROVED BY		P. SIEMAN		05/05/2023		REPLACES DRAWING			
SHEET SIZE		A3		TITLE OF PROJECT		TMH15 - 15T 3F AH		PROFILE NUMBER	

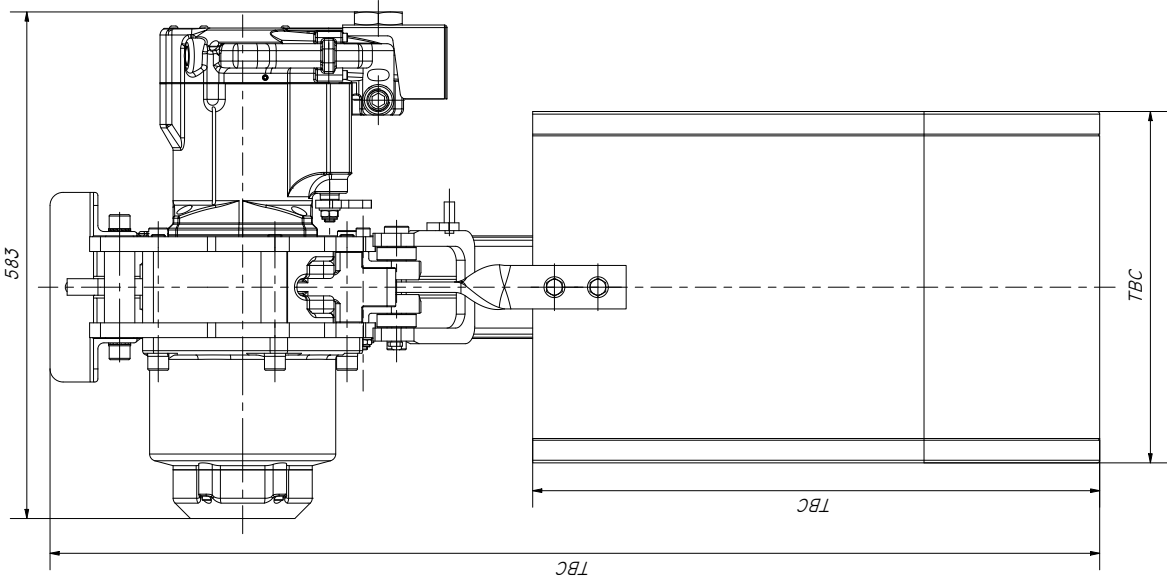
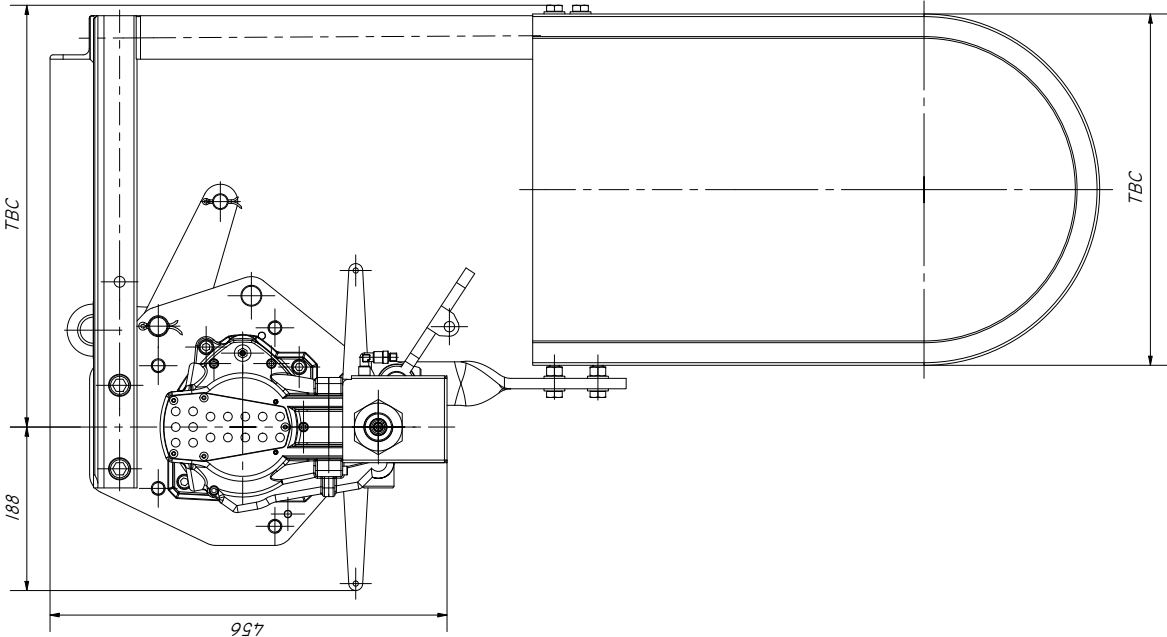
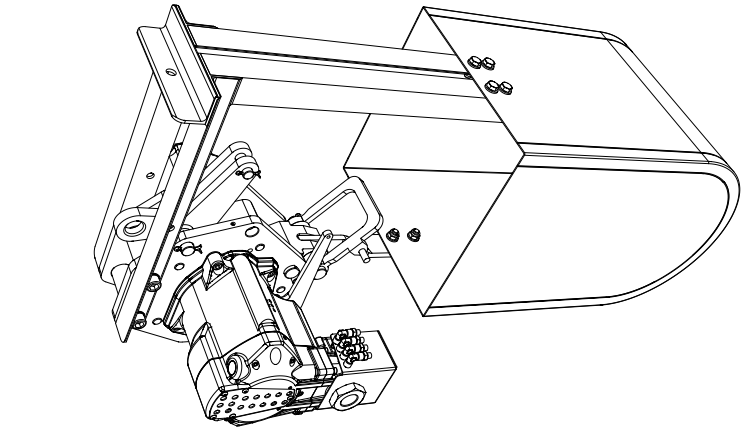


RED ROOSTER
LIFTING

WARTA WOLFE THE RED ROOSTER
CLIMBING SYSTEMS
THE STANDARD IN STYLISH
HANDICRAFTED LIFTING
WWW.REDDOOSTERLIFTING.COM

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN MILLIMETERS
TOLERANCES
LINEAR
OTHER THAN 10:0.05
OTHER THAN 10:0.05
OTHER THAN 10:0.05
OTHER THAN 10:0.05
OTHER THAN 10:0.05
ANGULAR $\pm 0.5^\circ$
SURFACE ROUGHNESS $\sqrt{R}$
IF IN DOUBT ASK

DRIVE UNIT VERSION WITH CHAIN COLLECTOR



DRIVE UNIT VERSION WITH CHAIN COLLECTOR - PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	TMH-10 AM	AIR MOTOR	
2	1	TMH-10 GB	GEAR BOX	
3	1	425828M80	MIDDLE PLATE G	
4	1	425828M90	MIDDLE PLATE M	
5	1	TMH-10 CV	CONTROL VALVE	
6	2	13103005	O-RING S-7	
7	1	13101068	O-RING P-100	
8	1	425828A50	LOAD SHEAVE	
9	1	150104004	BEARING 6003	
10	1	425828G20	BEARING COVER	
11	3	426501L60	KNOCK PIN	
12	1	425806G200	COUPLING PIN	
13	1	13015003	BEARING 6005 DDU	
14	1	426503R40	CHAIN SEPARATOR	
15	1	426503A40	CHAIN SET PLATE	
16	5	13101040	HEXAGON SOCKET HEAD CAP SCREW M16X140	
17	1	13103006	SPRING WASHER M16	
18	2	13100025	HEX SOCKET SET SCREW M6X6	
19	1	426501X70	CHAIN END COUPLER	
20	1	425828A20	CHAIN SET SPINDLE	
21	1	426503A50	CHAIN SET PLATE	
22	3	130705035	SPLIT PIN 51X35	
23	2	426501A50	CHAIN SET PLATE SHAFT	
24	1	13101030	HEXAGON SOCKET HEAD CAP SCREW M10X130	
25	1	13107010	WASHER M10	
26	1	13107010	U NUT M10	
27	1	426501X80	CHAIN END PIN	
28	1	130704032	SPLIT PIN 41X32	
29	4	13170025	HEXAGON SOCKET HEAD CAP SCREW M10X25	
30	1	PEB-01	PENDANT BRACKET (TMH-3000 & TMH-10)	0
31	4	KQ2L06-01NS	1/8" BSP MALE TO 6MM PUSH FIT ELBOW	
32	4	FEL02NP	1/8" FEMALE ELBOW	
33	4	100-0202	1/8" MALE TO 1/8" MALE NIPPLE	
34	1	426501U40	CHAIN SEPARATOR PIN	
35	2	RRL 1588-08	SPACER	0
36	1	RRL 1588-19	CHAIN GUIDE	0
37	1	RRL 1588-CC	CHAIN COLLECTOR	0

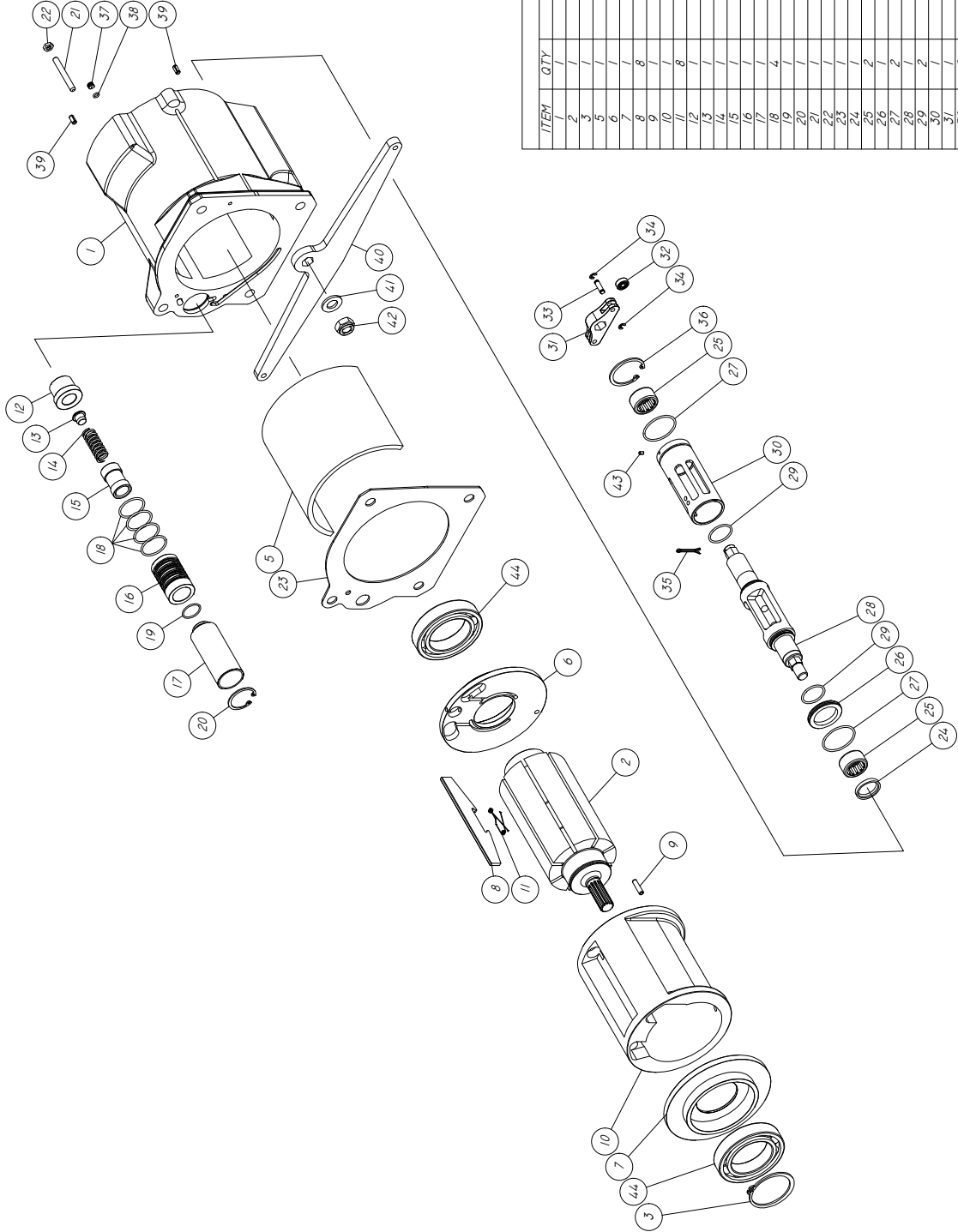
SCALE		MATERIAL		TITLE OF PART		DRIVE UNIT		PART NUMBER	
NTS		(SEE REGULATION)		DATE		03/05/2023		RRL 1588-DU	
DESIGNED BY		R. TWOREK		SIGNATURE		03/05/2023		4 / 4	
DRAWN BY		R. TWOREK		DATE		03/05/2023		REVISION WEIGHT	
CHECKED BY		T. MIKOLAJENSKI		SIGNATURE		03/05/2023		0 258.8 KG	
APPROVED BY		P. SIEMIA		DATE		03/05/2023		REPLACES DRAWING	
SHEET SIZE		A3		TITLE OF PROJECT		TMH15 - 15T 3F AH		PROFILE NUMBER	



RED ROOSTER
LIFTING
WINDEN, WINDEN, DIE WINDEN
GEBRÜDER
TECHNISCHE ZEICHNUNG
WWW.ROOSTERLIFTING.COM

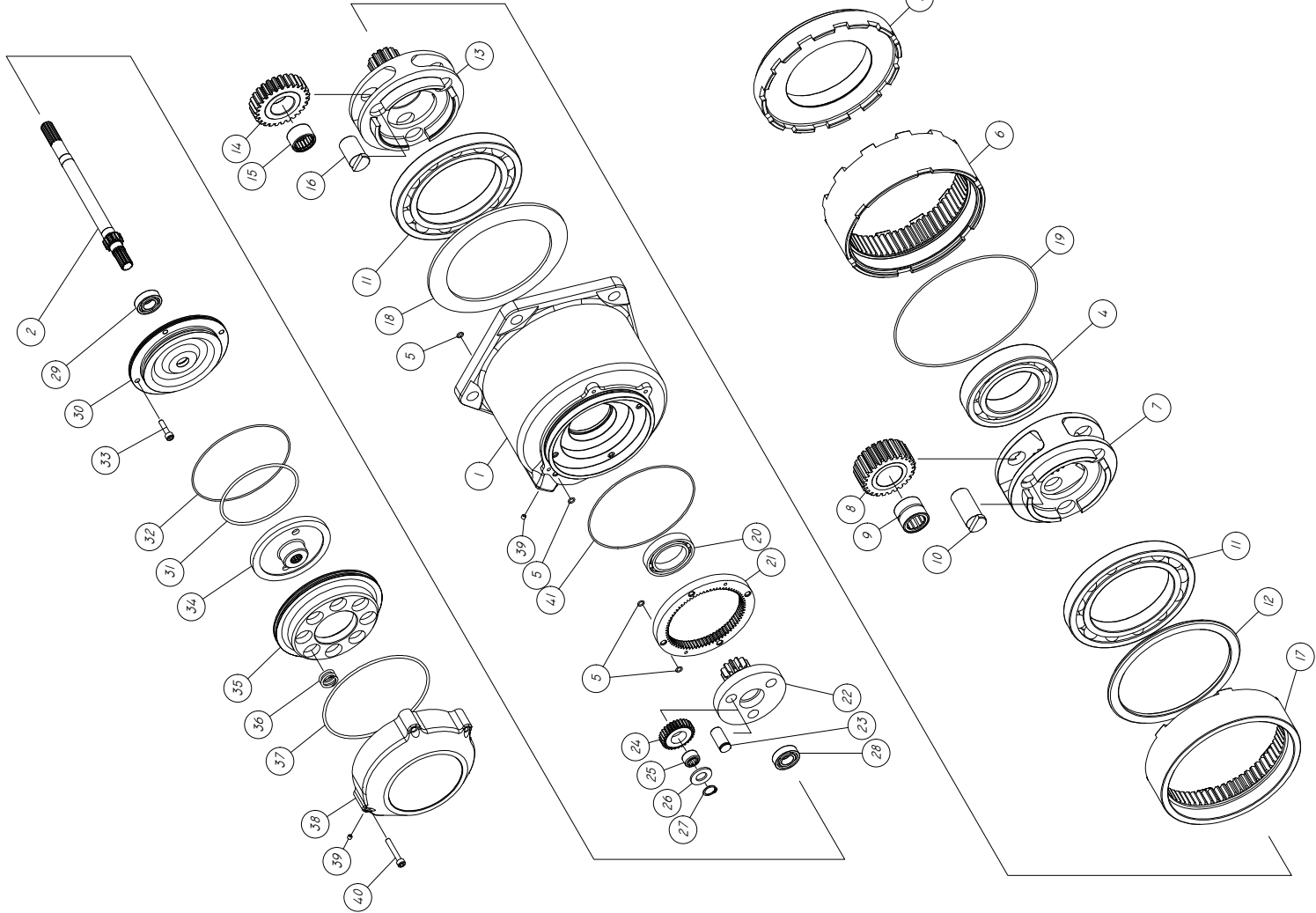
UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN MILLIMETERS
TOLERANCES
LINEAR
OVER 30 UP TO 300 ±0.1
OVER 300 UP TO 600 ±0.2
OVER 600 UP TO 1000 ±0.3
OVER 1000 ±0.5
ANGULAR ±0.5°
SURFACE ROUGHNESS √
IF IN DOUBT ASK

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



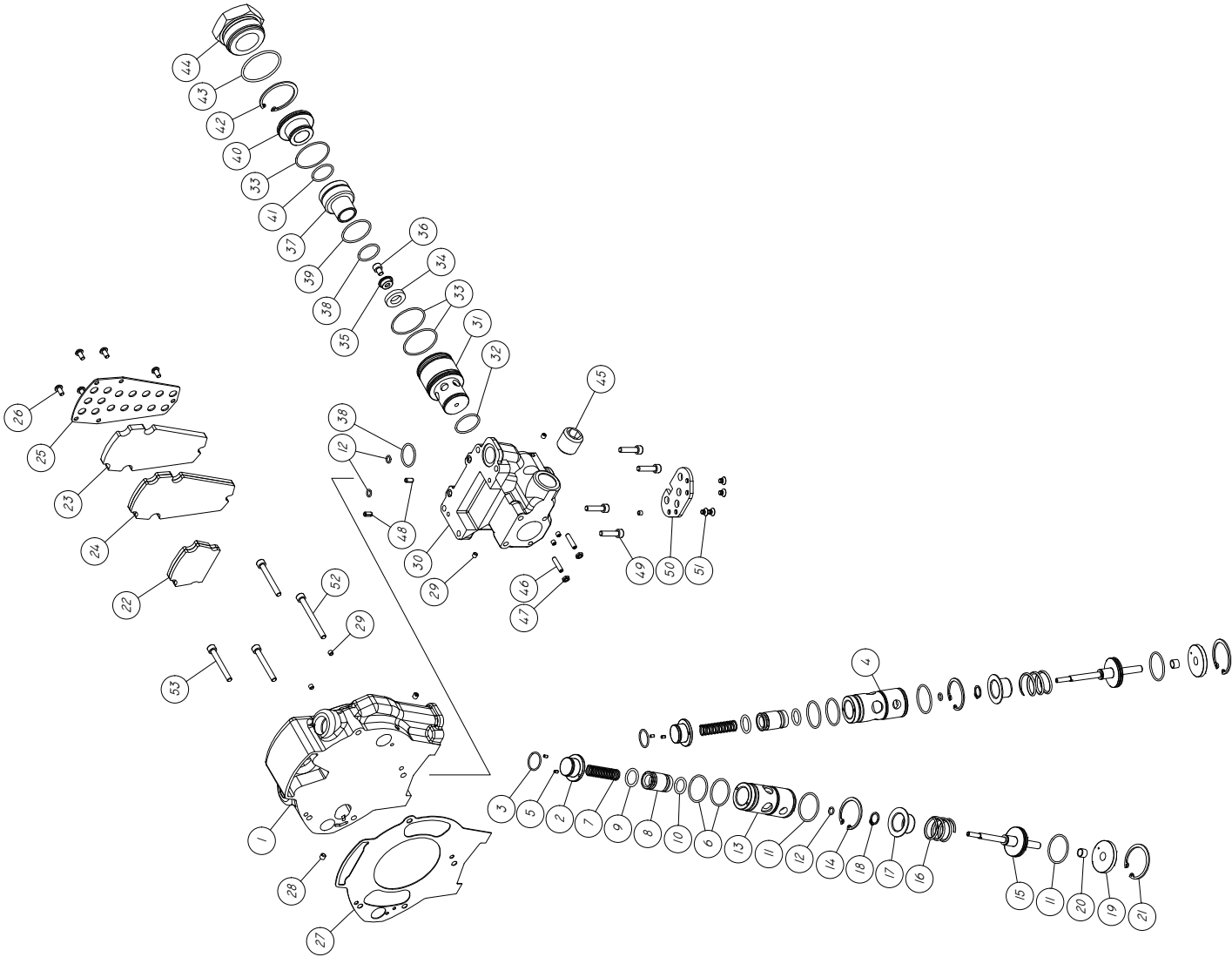
PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	425806790	MOTOR CASE	
2	1	425806150	ROTOR	
3	1	130302050	RETAINING RING S-50	
5	1	425806008	SILENCER M C/P	
6	1	425806080	REAR PLATE	
7	1	425806070	FRONT PLATE	
8	8	137020333	VANE	
9	1	130605020	SPRING PIN 5x20	
10	1	425806160	CYLINDER	
11	8	130802235	LIFT SPRING	
12	1	425806060	LIMIT RETAINER B	
13	1	426307250	SPRING SEAT	
14	1	130802226	SPRING 13x67x2	
15	1	425806040	LIMIT SPOOL	
16	1	425806050	LIMIT SPOOL BUSHING	
17	1	425806050	LIMIT RETAINER F	
18	4	13103022	O-RING S-28	
19	1	131030216	O-RING S-20	
20	1	130301032	RETAINING RING H-32	
21	1	132306050	HEX SOCKET HEAD CAP SCREW M6x50	
22	1	1344030106	HEX NUT M6	
23	1	136020172	MOTOR GASNET	
24	1	132460003	DUST SEAL OS22294	
25	2	130132016	NEEDLE BEARING TA2215Z	
26	1	425806090	LIMIT WASHER	
27	2	131030229	O-RING S-36	
28	1	425828460	LIMIT SHAFT	
29	2	131030221	O-RING S-26	
30	1	425806040	LIMIT SHAFT BUSHING	
31	1	425806140	LIMIT LEVER	
32	2	130103005	BEARING 605ZZ	
33	2	425806020	ROLLER SHAFT	
34	4	130303004	RETAINING RING E-4	
35	1	130702025	SPLIT PIN 2.5x25	
36	1	130300204	RETAINING RING H-40	
37	1	425806070	LIMIT PLUG	
38	1	131030003	O-RING S-5	
39	2	130605000	SPRING PIN 5x10	
40	1	425828540	CORD LEVER	
41	1	135070012	WASHER M12	
42	1	134500012	U NUT M12	
43	1	130603005	SPRING PIN 3x5	
44	2	130102001	BEARING 6010	
SCALE MATERIAL TITLE OF PART				PART NUMBER
NTS				TMH-10 AM
DESIGNED BY O. MORGAN				1 / 1
DRAWN BY O. MORGAN				1 / 1
CHECKED BY W. MORRISON				UNLESS OTHERWISE SPECIFIED
APPROVED BY B. AITKEN				ALL DIMENSIONS ARE IN MILLIMETERS
SHEET SIZE A3				TOLERANCES
				LINEAR
				OVER 30 UP TO 60 ±0.1
				OVER 60 UP TO 100 ±0.15
				OVER 100 UP TO 150 ±0.2
				OVER 150 UP TO 200 ±0.25
				OVER 200 UP TO 300 ±0.3
				ANGULAR ±0.5°
				SURFACE ROUGHNESS Ra
				IF IN DOUBT ASK

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



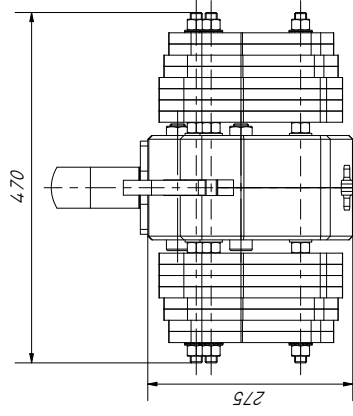
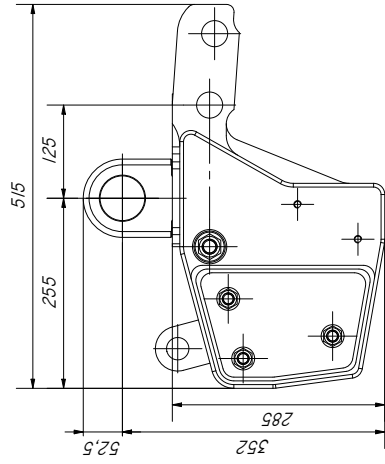
PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	425628310	GEAR CASE	
2	1	425628460	FIRST PINION	
3	1	426301080	CHAIN GUIDE COVER	
4	1	13015275	BEARING 6215 DDU	
5	10	13103005	O-RING S-7	
6	1	426501060	THIRD INTERNAL GEAR	
7	1	4265028240	CAGE	
8	3	426528350	THIRD STAR GEAR	
9	3	130180904	NEEDLE BEARING RN16004	
10	3	426501050	THIRD IDLE GEAR SHAFT	
11	2	13016024	BEARING 16024	
12	1	426501060	INTERNAL GEAR SPACER	
13	1	426501060	THIRD PINION	
14	3	426528350	SECOND STAR GEAR	
15	3	130180904	NEEDLE BEARING T42320	
16	3	426501050	SECOND IDLE GEAR SHAFT	
17	3	426501060	SECOND INTERNAL GEAR	
18	1	426501050	CONED DISC SPRING	
19	1	426501050	O-RING ASSY 60-70	
20	1	130150109	FIRST RING GEAR	
21	1	426501050	SECOND PINION	
22	1	426528350	FIRST STAR GEAR	
23	3	426501060	NEEDLE BEARING T41512Z	
24	3	426501060	WASHER M16	
25	3	130151513	RETAINING RING S-15	
26	3	13017016	BEARING 6003	
27	3	130102015	BEARING 6003Z	
28	1	130106004	BRAKE PLATE	
29	1	426501060	O-RING S-155	
30	1	13117242	HEX SOCKET HEAD CAP SCREW M6X25	
31	1	13103063	BRAKE DISC	
32	1	131706025	SPRING 20.5X21.9X2.9	
33	4	426501060	O-RING ASSY 68-255	
34	1	130802229	BRAKE COVER	
35	8	13117255	HEX SOCKET SFT SCREW M5X5	
36	1	426501060	HEX SOCKET HEAD CAP SCREW M6X10	
37	1	132105005	O-RING S-145	
38	2	131706040	HEX SOCKET HEAD CAP SCREW M6X10	
39	4	131706040	O-RING S-145	
40	4	13103065		
41	1	13103065		
TITLE OF PART				
GEAR BOX				
PART NUMBER				
TMH-10 GB				
1 / 1				
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				
ANGULAR ±0.5°				
SURFACE ROUGHNESS				
IF IN DOUBT ASK				
DESIGNED BY				
O. MORGAN				
DRAWN BY				
O. MORGAN				
CHECKED BY				
W. MORRISON				
APPROVED BY				
B. AITKEN				
SHEET SIZE				
A3				
TITLE OF PROJECT				
GEAR BOX				
DATE				
19/11/2020				
REVISION WEIGHT				
0 41.7 KG				
REPLACES DRAWING				
-				
PROFILE NUMBER				
-				

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



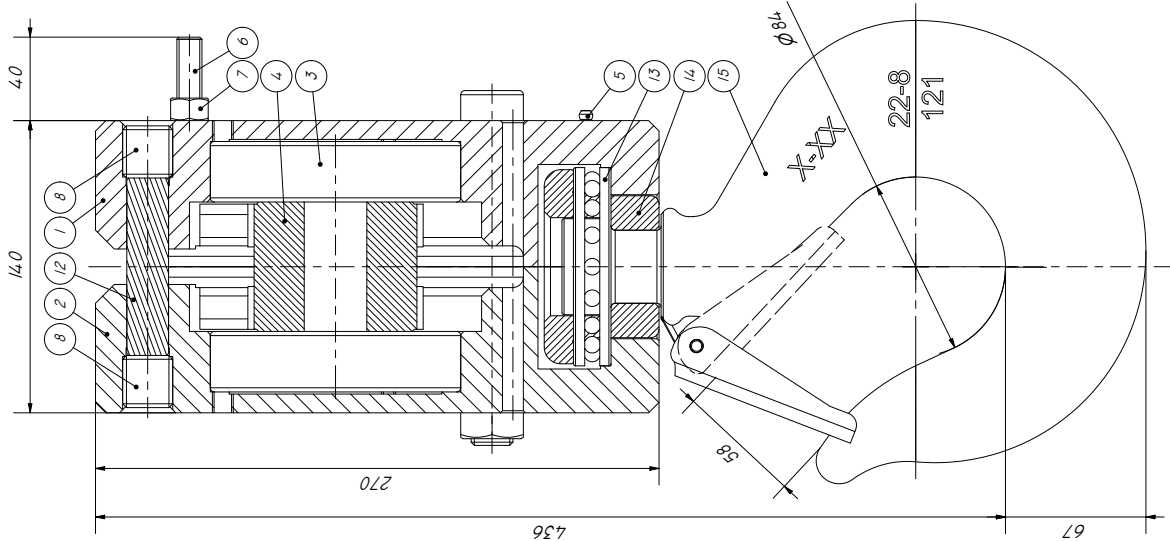
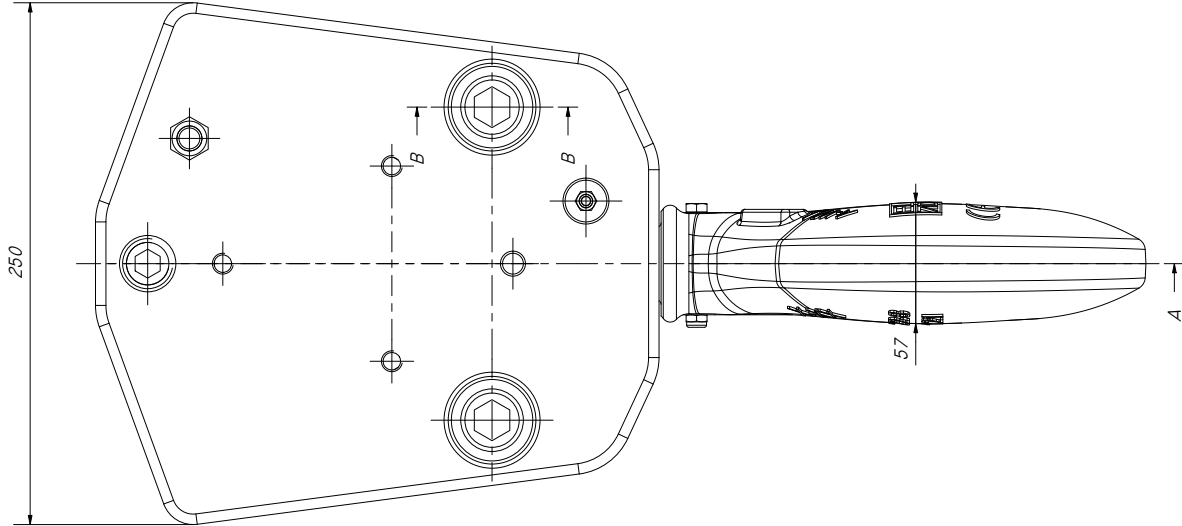
PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	425806060	VALVE BODY	
2	2	425806030	BUSH CAP	
3	2	13103016	O-RING S-20	
4	1	425806070	VALVE BUSHING (D)	
5	4	130603005	SPRING PIN 3x5	
6	4	13103024	O-RING S-30	
7	2	130802227	SPRING 11.4x16x1.4	
8	2	425806080	THROTTLE VALVE	
9	2	13107115	O-RING ASS68-115	
10	2	13118113	O-RING S-32	
11	4	13103026	O-RING S-7	
12	4	13103005	VALVE BUSHING (U)	
13	1	425806090	RETAINING RING H-36	
14	2	13030136	PISTON	
15	2	425806060	SPRING SEAT	
16	2	130802228	SPRING 26x32x2.6	
17	2	425806070	RETAINING RING S-12	
18	2	13030202	VALVE CAP	
19	2	425806040	BEARING 10B0807	
20	2	130216001	RETAINING RING H-40	
21	2	130301040	SILENCER (SS)	
22	2	137402055	SILENCER (F)	
23	1	137402057	SILENCER (SL)	
24	2	425806080	EXHAUST FLATE	
25	5	131905010	HEX SOCKET BUTTON HEAD SCREW M5x10	
26	1	136102111	VALVE GASKET	
27	2	130305016	HEX SOCKET SET SCREW M6x6	
28	2	130305016	HEX SOCKET SET SCREW M5x5	
29	8	425806070	UNDER COVER	
30	1	425806070	MAIN CUT VALVE	
31	1	13103023	O-RING ASS68-030	
32	3	13107030	MAIN CUT SEAT	
33	1	136102123	MAIN CUT HOLDER	
34	1	425806040	HEX SOCKET HEAD CAP SCREW M6x8	
35	1	13103018	MAIN CUT VALVE	
36	1	425806080	O-RING S-25	
37	2	13103020	O-RING S-35	
38	2	13103028	MAIN CUT CAP	
39	1	425806090	O-RING S-26	
40	1	13103021	RETAINING RING H-47	
41	1	130301047	O-RING ASS68-134	
42	1	13107134	INLET BUSHING CP	
43	1	425806060	HEX SOCKET HEAD PLUG PT3/4	
44	1	134902011	HEX SOCKET SET SCREW M5x22	
45	2	132105022	HEX NUT M5	
46	2	134403205	SPRING PIN 5x10	
47	2	130605010	HEX SOCKET HEAD CAP SCREW M6x25	
48	4	13106025	PILOT SILENCER	
49	4	137402060	CROSS-RECESSED HEAD SCREW M5x6	
50	1	137402060	HEX SOCKET HEAD CAP SCREW M6x65	
51	4	13706065	HEX SOCKET HEAD CAP SCREW M6x50	
52	1	13706065	HEX SOCKET HEAD CAP SCREW M6x50	
53	3	13706050	HEX SOCKET HEAD CAP SCREW M6x50	
SCALE MATERIAL TITLE OF PART				
NTS			CONTROL VALVE	
PART NUMBER				
TMH-10 CV				
1 / 1				
UNLESS OTHERWISE SPECIFIED				
ALL DIMENSIONS ARE IN MILLIMETERS				
TOLERANCES				
LINEAR				
OVER 10 UP TO 30 ±0.1				
OVER 30 UP TO 100 ±0.15				
OVER 100 UP TO 300 ±0.2				
OVER 300 ±0.5				
ANGULAR ±0.5°				
SURFACE ROUGHNESS Ra				
IF IN DOUBT ASK				
DATE 19/11/2020				
REVISION WEIGHT 0 13.1 KG				
REPLACES DRAWING -				
PROFILE NUMBER -				
SHEET SIZE A3				
DESIGNED BY O. MORGAN				
DRAWN BY O. MORGAN				
CHECKED BY W. MORRISON				
APPROVED BY B. AITKEN				
TITLE OF PROJECT				

VIEW "A"

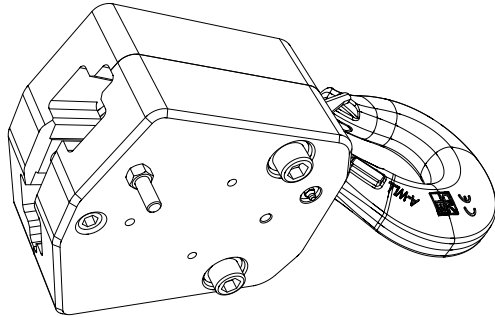
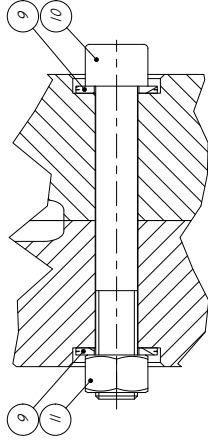
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REVISION HISTORY		
REV.	DATE	APPROVED
0	11/07/2023	PAUL SHEWAN

A-A

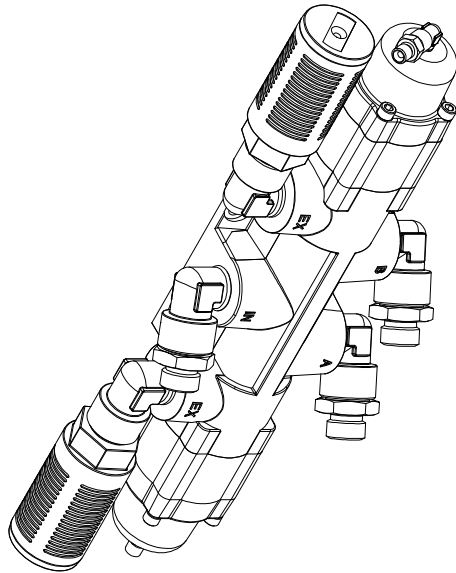
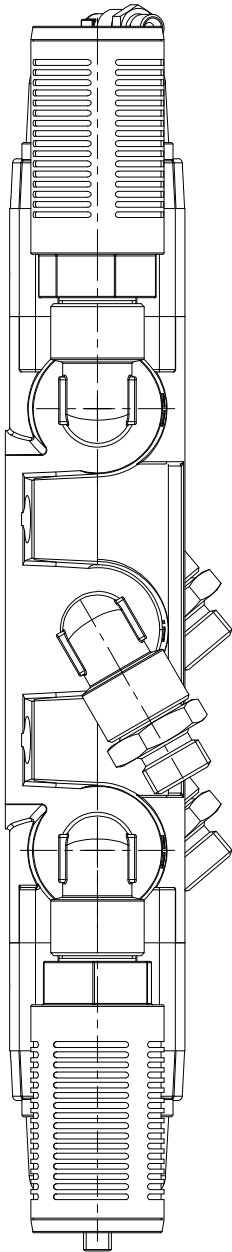
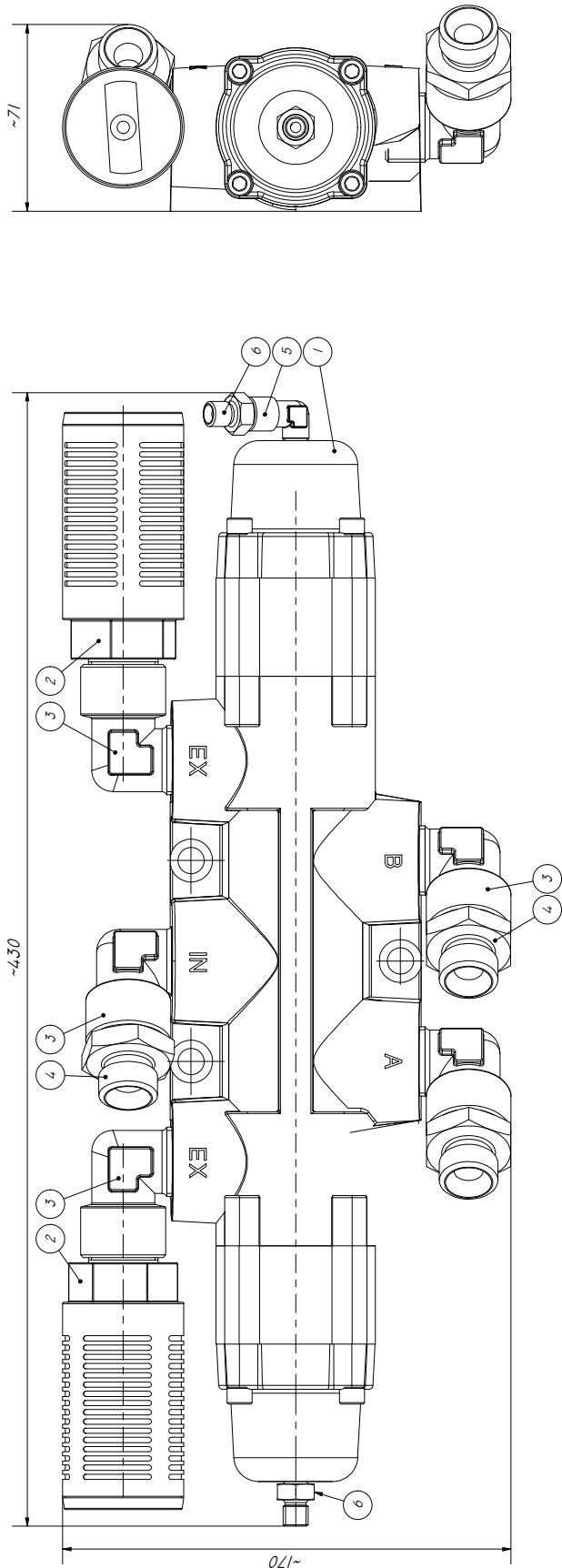


B-B



PARTS LIST		
ITEM QTY	PART NUMBER	DESCRIPTION
1	RRL 1588-05	BOTTOM BLOCK - HALF I
2	RRL 1588-06	BOTTOM BLOCK - HALF II
2	DIN 625 SKF - SKF 6311-2RS1	DEEP GROOVE BALL BEARINGS SINGLE ROW WITH TWO RSI SEALS SKF
4	RRL PM1645-02	ISO X25 CHAIN WHEEL
5	DIN 71412 - AMB X I CONED SHORT	LUBRICATING NIPPLE CONED TYPE A
6	RRL 1588-09	LIMIT BAR
7	ISO 4032 - M12	HEX NUT
8	DIN 913 - M24 x 25	HEXAGON SOCKET SET SCREW
9	NL 20SP	M20 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR
10	ISO 4762 - M20 x 150	HEXAGON SOCKET HEAD CAP SCREW
11	ISO 4032 - M20	HEX NUT
12	RRL 1588-14	ANCHOR PIN
13	DIN 711 - 511 14 - 70 x 95 x 18	THRUST BALL BEARING
14	RRL 1588-17	HOOK THRUST RING
15	RRL 1588-15	HOOK
SCALE		
MATERIAL (SEE EXPLANATION)		
DESIGNED BY	SIGNATURE	DATE
R. TWOREK		21/03/2023
DRAWN BY	SIGNATURE	DATE
R. TWOREK		21/03/2023
CHECKED BY	SIGNATURE	DATE
T. MIKOLAJEWSKI		22/03/2023
APPROVED BY	SIGNATURE	DATE
P. SHERMAN		23/03/2023
SHEET SIZE	TITLE OF PROJECT	
A3	TMH15 - 15T 3F AH	
TITLE OF PART		
BOTTOM BLOCK		
PART NUMBER		
RRL 1588-02		
DATE		
21/03/2023		
REVISION WEIGHT		
0 58.3 KG		
REPLACES DRAWING		
-		
PROFILE NUMBER		
-		
UNLESS OTHERWISE SPECIFIED		
ALL DIMENSIONS ARE IN MILLIMETERS		
LINEAR		
HOLE Ø ± 0.05		
HOLE Ø UP TO 10 ± 0.1		
HOLE Ø 10 TO 30 ± 0.15		
HOLE Ø 30 TO 50 ± 0.2		
HOLE Ø 50 TO 100 ± 0.3		
HOLE Ø 100 TO 150 ± 0.4		
HOLE Ø 150 TO 200 ± 0.5		
HOLE Ø 200 TO 300 ± 0.6		
HOLE Ø 300 TO 500 ± 0.8		
HOLE Ø 500 TO 1000 ± 1.0		
HOLE Ø 1000 TO 1500 ± 1.2		
HOLE Ø 1500 TO 2000 ± 1.5		
HOLE Ø 2000 TO 3000 ± 2.0		
HOLE Ø 3000 TO 5000 ± 2.5		
HOLE Ø 5000 TO 10000 ± 3.0		
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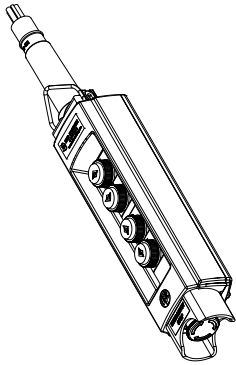
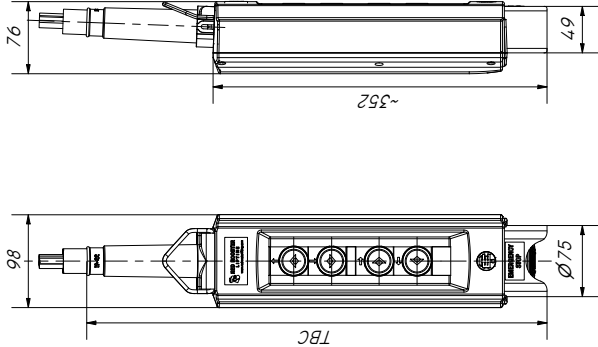
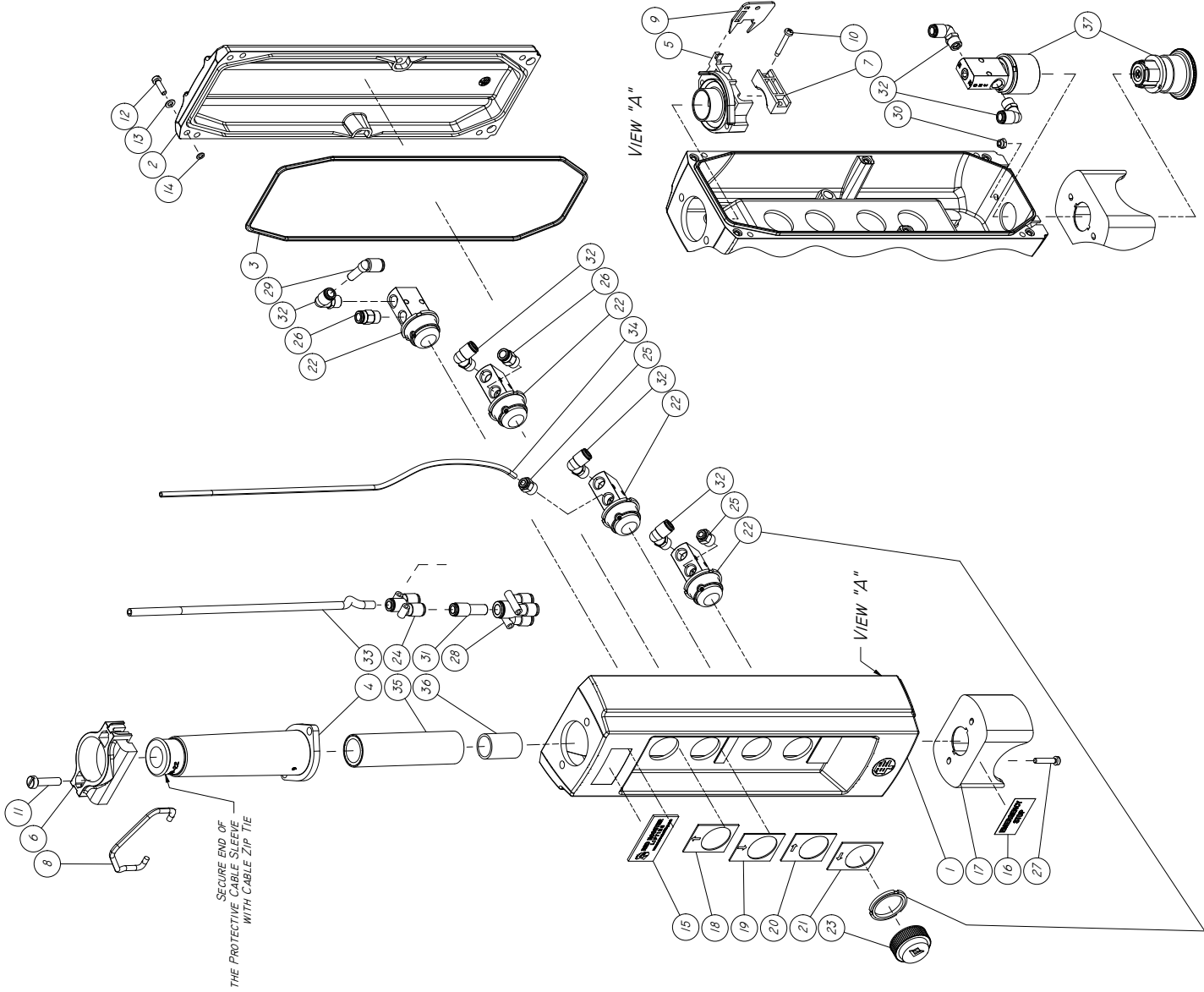
REVISION HISTORY		
REV.	DATE	APPROVED
0	24/05/2022	G. KRUPINSKI



PARTS LIST			REV.	
ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	VLL-4603-2B	VERSAPNEUMATIC DIRECTIONAL VALVE	
2	2	ANAL-06	3/4" SILENCER	
3	5	MFLPNP	3/4" MALE TO FEMALE ELBOW	
4	3	BUH-00023	1/2" MALE TO 3/4" MALE NIPPLE	
5	1	MFL02NP	1/8" MALE TO FEMALE ELBOW	
6	2	100-0202	1/8" MALE TO 1/8" MALE NIPPLE	
SCALE			PART NUMBER	
NTS			159 AIR TROLLEY CONTROL VALVE C/W FITTINGS	RRL 1504-CV
DESIGNED BY			SIGNATURE	1 / 1
DRAWN BY			DATE	20/05/2021
CHECKED BY			REVISION WEIGHT	0 8.5 KG
APPROVED BY			REPLACES DRAWING	-
SHEET SIZE			PROFILE NUMBER	-
A3			IF IN DOUBT ASK	
			UNLESS OTHERWISE SPECIFIED	
			ALL DIMENSIONS IN MILLIMETERS	
			LINEAR	
			UP TO 30 ±0.05	
			OVER 30 UP TO 100 ±0.1	
			OVER 100 UP TO 300 ±0.15	
			OVER 300 UP TO 500 ±0.2	
			ANGULAR ±0.5°	
			SURFACE ROUGHNESS	
			15T AT	

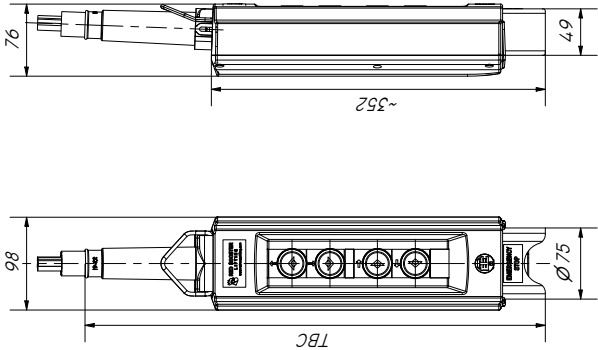
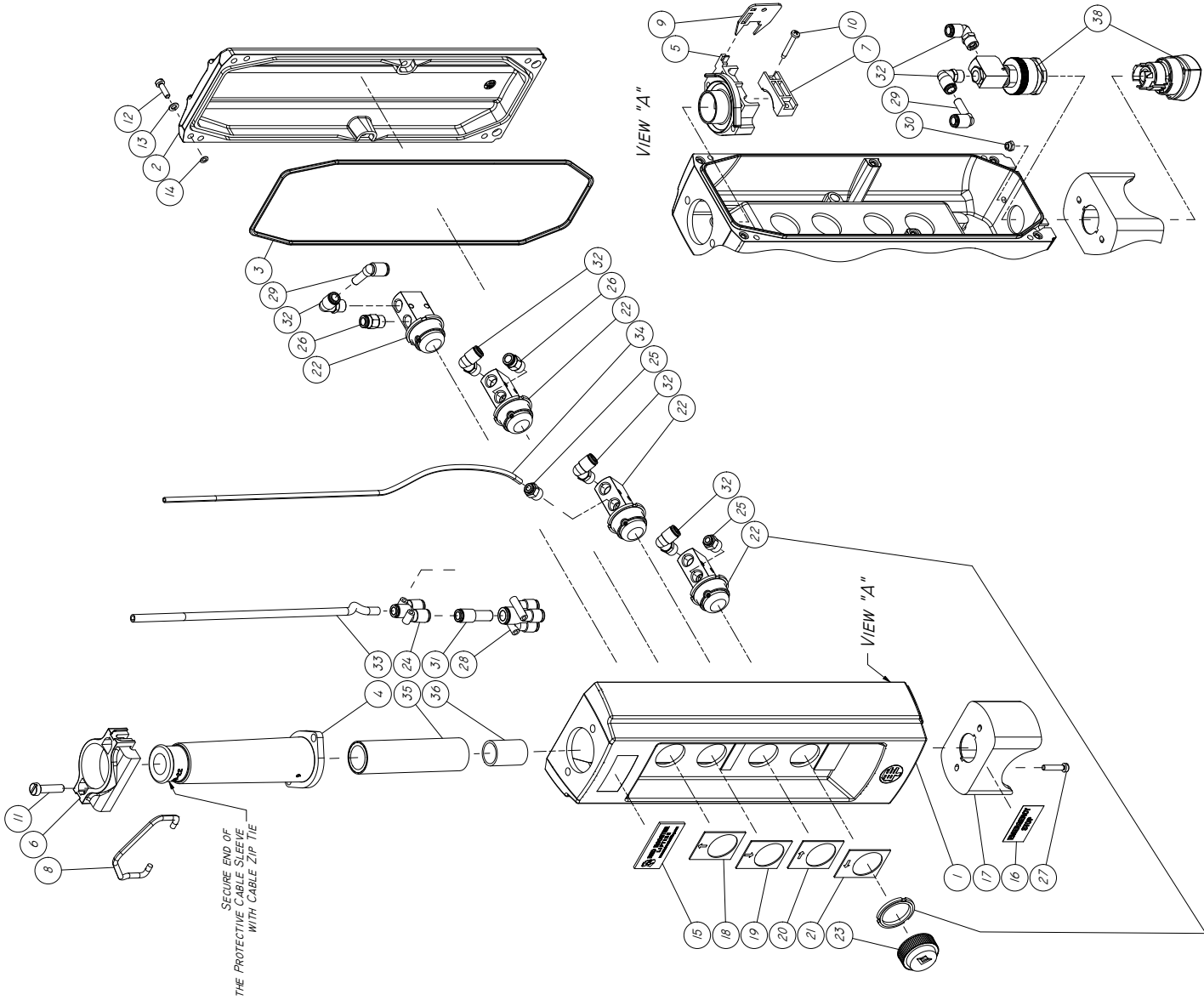
RRI-VTP4 - 4 STATION PENDANT C/W EMERGENCY STOP VALVE (BIK3206P-BS54)

REVISION HISTORY		
REV.	DATE	APPROVED
0	27/03/2024	PAUL SHEWAN

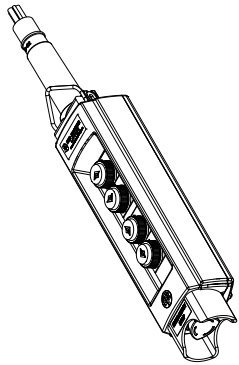


RRI-VTP4 - 4 STATION PENDANT C/W EMERGENCY STOP VALVE (BIK3206P-BS54) - PARTS LIST		
ITEM	QTY	DESCRIPTION
1	1	RRI-VTP4-01
2	1	XAC002-02
3	1	XAC002-03
4	1	XAC002-04
5	1	XAC002-05
6	1	XAC002-06
7	1	XAC002-07
8	1	XAC002-08
9	1	XAC002-09
10	1	XAC002-10
11	2	XAC002-11
12	6	XAC002-12
13	6	XAC002-13
14	6	XAC002-14
15	1	RRI-LABEL-REDROOSTER
16	1	RED LABEL STOP
17	1	STOP GUARD
18	1	XAC-B-L-LEGEND-UP
19	1	XAC-B-L-LEGEND-DOWN
20	1	XAC-B-L-LEGEND-RIGHT
21	1	XAC-B-L-LEGEND-LEFT
22	4	BIK-3209-F-VALVE
23	4	BIK-3209-29L-B-COVER
24	1	F080
25	2	F086
26	2	F087
27	2	105P
28	1	PI12
29	1	PI18
30	2	135-IP
31	1	304P
32	6	304P
33	10	HP7
34	2	HP8
35	1	HP4
36	1	RRI-VTP2-02
37	1	BIK3206P-BS54
SCALE		
NTS		
DESIGNED BY		
DRAWN BY		
CHECKED BY		
APPROVED BY		
SHEET SIZE		
A3		
TITLE OF PART		
GENERAL ASSEMBLY		
PART NUMBER		
RRI-VTP4-00		
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 0 UP TO 30.5		
OVER 30.5 UP TO 101.6		
OVER 101.6 UP TO 304.8		
OVER 304.8 UP TO 914.4		
ANGULAR ±0.5°		
SURFACE ROUGHNESS		
IF IN DOUBT ASK		

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



TBC

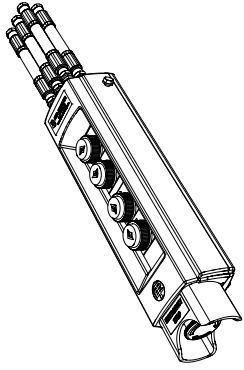
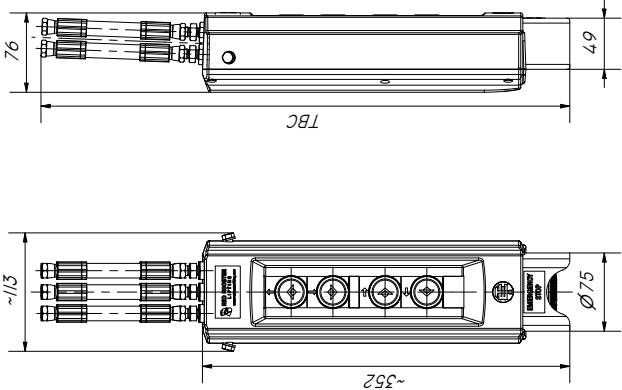
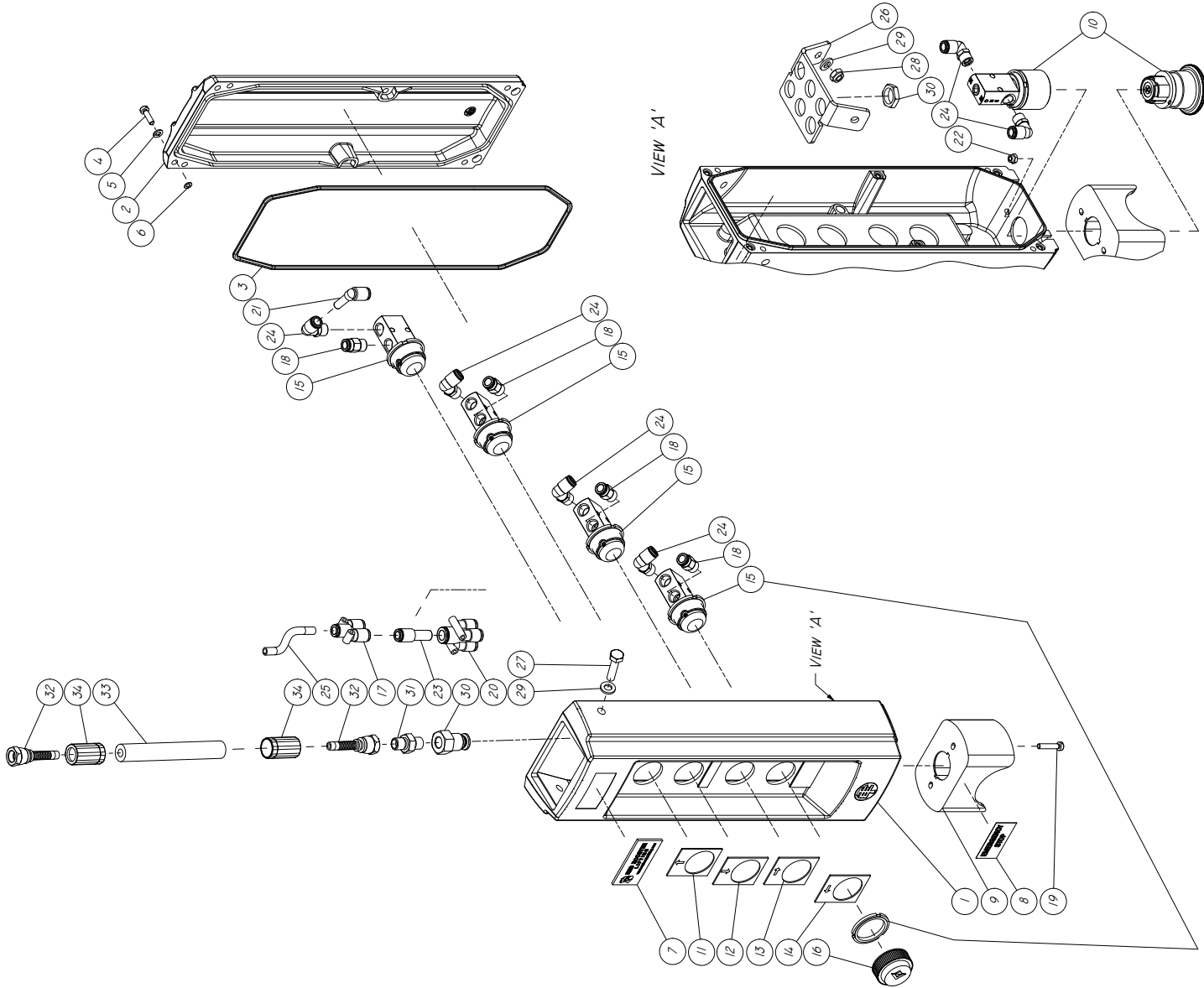


RRI-VTP4 - 4 STATION PENDANT C/W EMERGENCY STOP VALVE (S406-MJV03-ASSY) - PARTS LIST										REV.
ITEM QTY	PART NUMBER		DESCRIPTION							REV.
1	1	RRI-VTP4-01	FRONT CASE							0
2	1	XALC04-02	RUBBER SEAL							
3	1	XALC04-03	PROTECTIVE CABLE SLEEVE							
4	1	XALC04-04	PROTECTIVE CABLE SLEEVE MOUNTING I							
5	1	XALC04-05	PROTECTIVE CABLE SLEEVE MOUNTING II							
6	1	XALC04-06	PROTECTIVE CABLE SLEEVE MOUNTING I - BRACKET							
7	1	XALC04-07	PROTECTIVE CABLE SLEEVE MOUNTING II - HANGER							
8	1	XALC04-08	CASE ENCLOSURE KEY							
9	1	XALC04-09	CROSS RECESSED PAN HEAD TAPPING SCREW 3.5x25							
10	2	XALC04-10	SLOTTED CHEESE HEAD SCREW M4x25							
11	2	XALC04-11	SLOTTED CHEESE HEAD SCREW M4x25							
12	6	XALC04-12	WASHER M4							
13	6	XALC04-13	WASHER M4							
14	6	XALC04-14	PLASTIC WASHER M4							0
15	1	RRI-LABEL-REDROOSTER	RED ROOSTER LABEL							0
16	1	RRI-LABEL-E-STOP	EMERGENCY STOP LABEL							
17	1	E-STOP-GUARD/UP	YELLOW E-STOP GUARD UP LEGEND							
18	1	XAC-B-L-LEGEND-UP	DOWN LEGEND							
19	1	XAC-B-L-LEGEND-DOWN	RIGHT LEGEND							
20	1	XAC-B-L-LEGEND-RIGHT	LEFT LEGEND							
21	1	XAC-B-L-LEGEND-LEFT	BUTTON VALVE							
22	4	BIK-3209-F-VALVE	BUTTON COVER							
23	4	BIK-3209-294-B-COVER	Y BRANCH							
24	1	P080	1/8" BSP TO 4MM PUSH FIT							
25	2	P086	1/8" BSP TO 6MM PUSH FIT							
26	2	P087	1/8" BSP TO 6MM PUSH FIT							
27	2	I05P	SLOTTED CHEESE HEAD SCREW M4x20							
28	1	PI12	6MM DOUBLE Y BRANCH							
29	2	PI18	6MM PLUG IN ELBOW							
30	2	I33-IP	HEX NYLOC NUT M4							
31	1	30LP	8MM-6MM REDUCER							
32	6	30LP	1/8" BSP TO 6MM PUSH FIT ELBOW							
33	10	HP7	6MM POLYURETHANE TUBES							
34	2	HP8	4MM POLYURETHANE TUBES							
35	1	HP4	3/4" BRAIDED PVC AIR HOSE							
36	1	RRI-VTP2-02	STIFFENER							0
SCALE		MATERIAL		TITLE OF PART		PART NUMBER		RRI-VTP4-00		
NTS		RE INQUIRY		GENERAL ASSEMBLY		2 / 2				
DESIGNED BY		SIGNATURE		DATE		DATE		07/11/2023		
DRAWN BY		SIGNATURE		DATE		REVISION		WEIGHT		
CHECKED BY		SIGNATURE		DATE		0		3.0 KG		
APPROVED BY		SIGNATURE		DATE		RPLACES DRAWING				
SHEET SIZE		TITLE OF PROJECT		RRI-VTP4 - 4 STATION PENDANT		PROFILE NUMBER				
A3		TITLE OF PROJECT		RRI-VTP4 - 4 STATION PENDANT		SURFACE ROUGHNESS		NO		
		TITLE OF PROJECT		RRI-VTP4 - 4 STATION PENDANT		IF IN DOUBT ASK				
		TITLE OF PROJECT		RRI-VTP4 - 4 STATION PENDANT						
		TITLE OF PROJECT		RRI-VTP4 - 4 STATION PENDANT						
		TITLE OF PROJECT		RRI-VTP4 - 4 STATION PENDANT						
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		TITLE OF PROJECT		RRI-VTP4 - 4 STATION PENDANT						
		TITLE OF PROJECT		RRI-VTP4 - 4 STATION PENDANT						

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

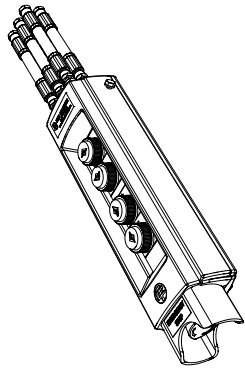
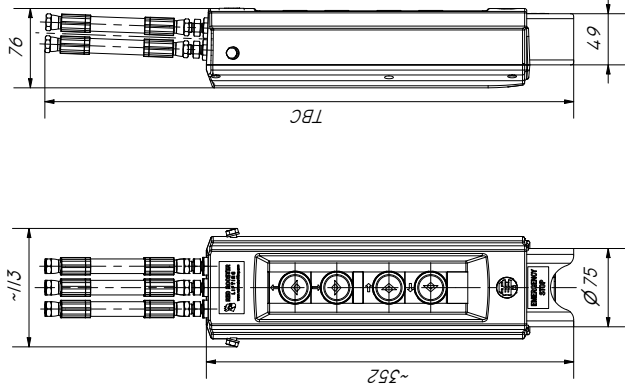
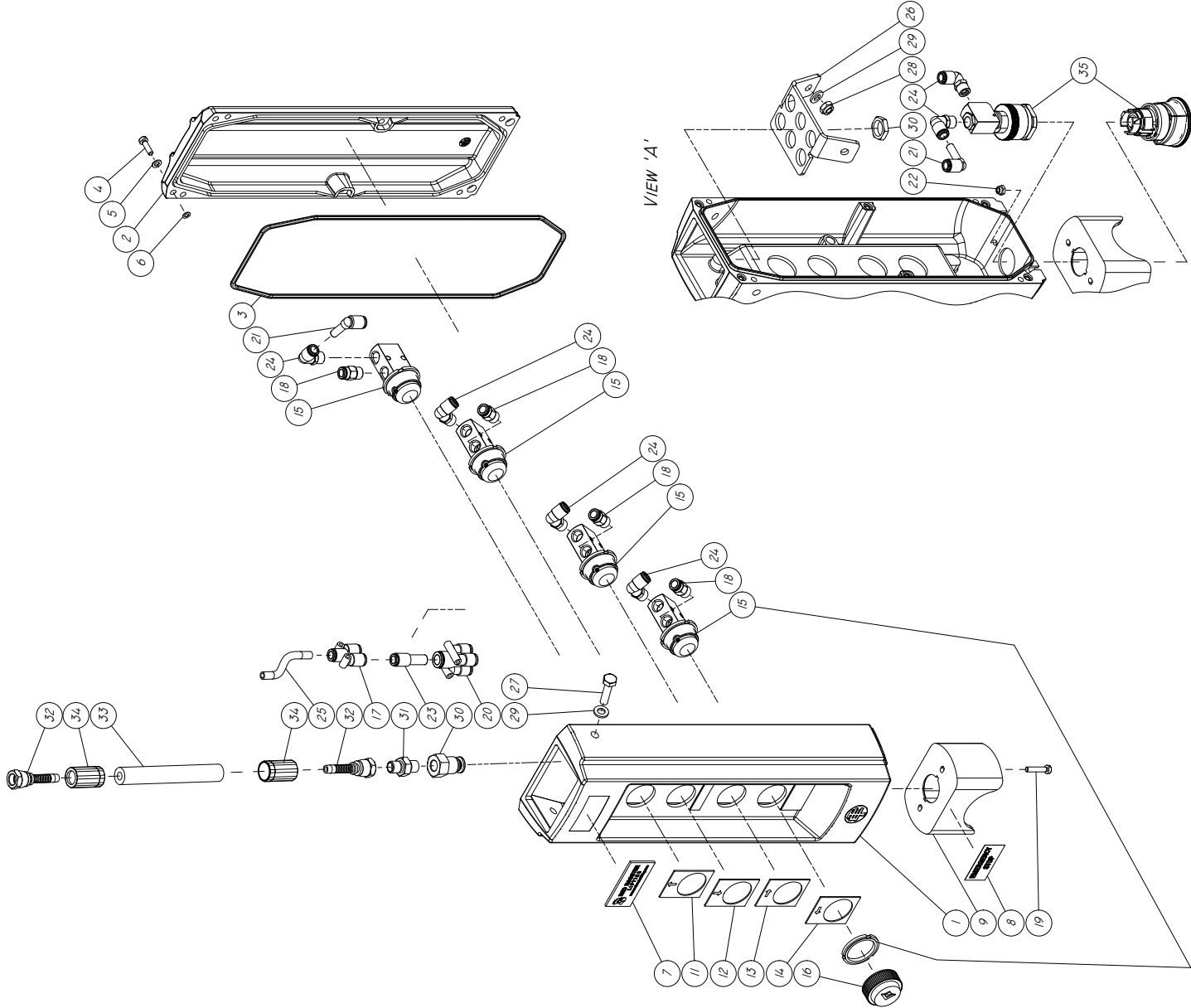
REV.	DATE	APPROVED
0	21/03/2024	PAUL SHEWAN

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



ITEM	QTY	PART NUMBER	DESCRIPTION	REVISION
1	1	RRI-VTP4-M-01	FRONT CASE	0
2	1	XAC204-02	RUBBER SEAL	
3	1	XAC204-03	WASHER M6	
4	6	XAC204-12	SLOTTED CHEESE HEAD SCREW M4x14	
5	6	XAC204-13	WASHER M4	
6	1	XAC204-14	PLASTIC WASHER M4	
7	1	RRI-LABEL-RED-ROOSTER	RED ROOSTER LABEL	0
8	1	RRI-LABEL-E-STOP	EMERGENCY STOP LABEL	0
9	1	E-STOP-GUARD	YELLOW E-STOP GUARD	
10	1	BIK3206P-BS54	EMERGENCY STOP VALVE AND BUTTON	
11	1	XAC-B-LEGEND-DOWN	DOWN LEGEND	
12	1	XAC-B-LEGEND-UP	UP LEGEND	
13	1	XAC-B-LEGEND-LEFT	LEFT LEGEND	
14	1	XAC-B-LEGEND-RIGHT	RIGHT LEGEND	
15	4	BIK3206P-VALVE	EMERGENCY STOP VALVE	
16	4	BIK3206P-VALVE	EMERGENCY STOP VALVE	
17	1	P08-0	E-STOP COVER	
18	4	P08-0	E-STOP COVER	
19	2	105P	1/8" BSP TO 6MM PUSH FIT	
20	1	P12	SLOTTED CHEESE HEAD SCREW M4x20	
21	1	P18	6MM DOUBLE 'Y' BRANCH	
22	2	133-P	6MM PLUG IN ELBOW	
23	1	301P	HEX NYLOC NUT M4	
24	6	304P	8MM 6MM REDUCER	
25	12	HP7	1/8" BSP TO 6MM PUSH FIT ELBOW	
26	1	RRI-VTP4-M-02	6MM P20 KUBETHANE TUBES	
27	2	ISO 4008 - M6 X 25	PENDANT BRACKET	0
28	2	139P	HEX HEAD BOLT	
29	4	145P	HEX NYLOC NUT M6	
30	6	P24-5	FLAT WASHER M6	
31	6	P071-1	6MM TO 1/8" BSP BULKHEAD ADAPTOR	
32	12	P016-1	1/8" BSP HEX NIPPLE C/W 60° CONE	
33	6	I-4 HOSE	1/8" BSP TO 1/2" SWIVEL HOSE TAIL	
34	12	P002-1	1/4" ANTI-STATIC 20BAR BLACK AIR HOSE (BS EN ISO 2398:2016)	
35	1		1/4" HOSE FERRULE (GALVANISED)	
TITLE OF PART				PART NUMBER
GENERAL ASSEMBLY				RRI-VTP4-M-00
DATE				1 / 2
DESIGNED BY				09/11/2023
DRAWN BY				REVISION
CHECKED BY				WEIGHT
APPROVED BY				0
SHEET SIZE				3.6 KG
TITLE OF PROJECT				REPLACES DRAWING
A3				-
RRI-VTP4-M - 4 STATION PENDANT				PROFILE NUMBER
				-
				UNLESS OTHERWISE SPECIFIED
				ALL DIMENSIONS ARE IN MILLIMETERS
				TOLERANCES
				LINEAR
				UP TO 300mm ±0.1
				OVER 300mm UP TO 1000mm ±0.2
				OVER 1000mm UP TO 3000mm ±0.3
				ANGULAR ±0.5°
				SURFACE ROUGHNESS RZ
				IF IN DOUBT ASK

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



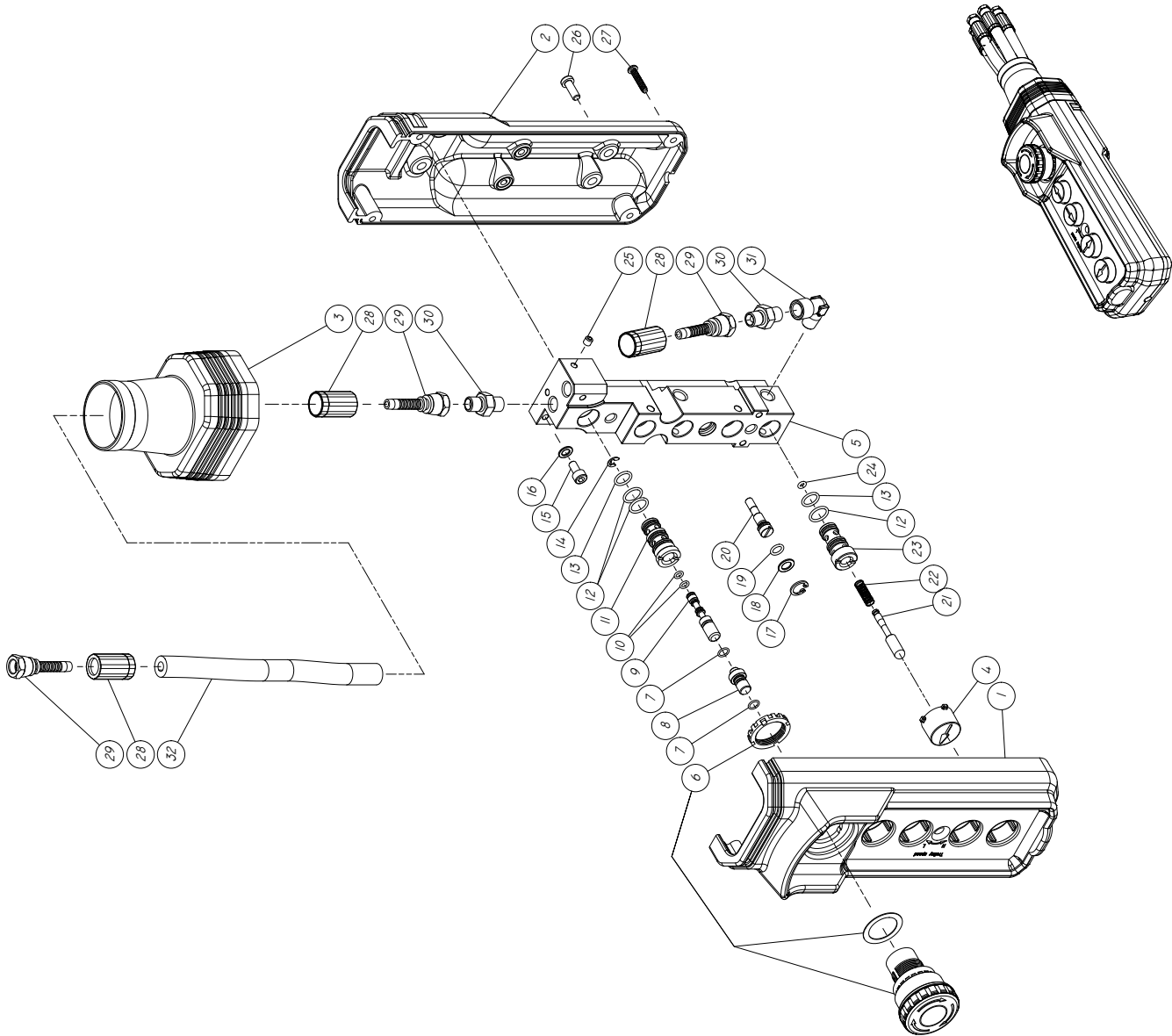
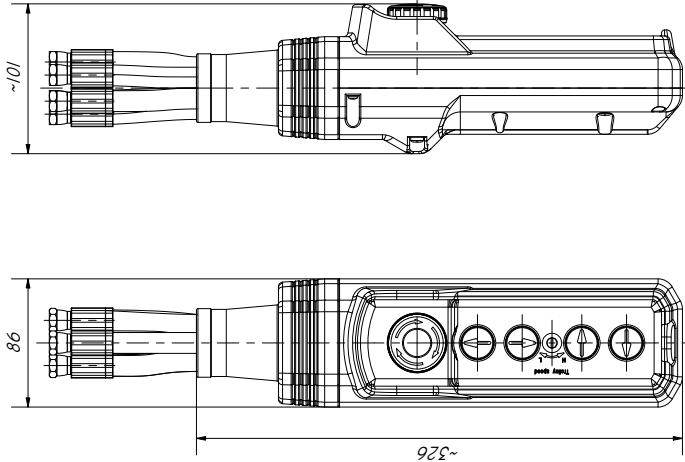
RRI-VTP4-M - 4 STATION PENDANT C/W EMERGENCY STOP VALVE (S406-MJV03-ASSY) - PARTS LIST			REV. LIST	
ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	RRI-VTP4-M-01	FRONT CASE	0
2	1	XAC40L-02	RUBBER SEAL	
3	1	XAC40L-03	SLOTTED CHEESE HEAD SCREW M4x14	
4	6	XACB03-15	WASHER M4	
5	6	XACB03-16	FLAT WASHER M4	
6	0	RRI-VTP4-M-02	RED PUSH BUTTON	0
7	1	RRI-VTP4-M-03	RED PUSH BUTTON LABEL	0
8	1	RRI-VTP4-M-04	YELLOW STOP GUARD	
9	1	RRI-VTP4-M-05	DOWN LEGEND	
10	1	XAC-B-L-LEGEND-UP	UP LEGEND	
11	1	XAC-B-L-LEGEND-DOWN	DOWN LEGEND	
12	1	XAC-B-L-LEGEND-UP	UP LEGEND	
13	1	XAC-B-L-LEGEND-DOWN	DOWN LEGEND	
14	1	XAC-B-L-LEGEND-UP	UP LEGEND	
15	4	BIK-3209-F-VALVE	BUTTON VALVE	
16	4	BIK-3209-F-VALVE	BUTTON COVER	
17	1	F080	Y- BRANCH	
18	4	F087	1/8" BSP TO 6MM PUSH FIT	
19	2	I05P	SLOTTED CHEESE HEAD SCREW M4x20	
20	1	P112	6MM DOUBLE Y- BRANCH	
21	2	P118	6MM PLUG IN ELBOW	
22	2	I35-IP	HEX NYLOC NUT M4	
23	1	301P	8MM-6MM REDUCER	
24	6	301P	1/8" BSP TO 6MM PUSH FIT ELBOW	
25	12	HP7	6MM POLYURETHANE TUBES	
26	1	RRI-VTP4-M-02	PENDANT BRACKET	0
27	2	ISO 4018 - M6 x 25	HEX HEAD BOLT	
28	2	I39P	HEX NYLOC NUT M6	
29	4	I45P	FLAT WASHER M6	
30	6	P245	6MM TO 1/8" BSP BULKHEAD ADAPTOR	
31	6	P071-I	1/8" BSP HEX NIPPLE C/W 60° CONE	
32	12	P016-I	1/8" BSP TO 1/4" SWIVEL HOSE TAIL	
33	6	I-4 HOSE	1/4" ANTI-STATIC 20BAR BLACK AIR HOSE (BS EN ISO 2398:2016)	
34	12	P002-I	1/4" HOSE FERRULE (GALVANISED)	
35	1	S406-MJV03-ASSY	EMERGENCY STOP VALVE AND BUTTON	
SCALE			TITLE OF PART	
NTS			GENERAL ASSEMBLY	
DESIGNED BY			RRI-VTP4-M-00	
DRAWN BY			2 / 2	
CHECKED BY			DATE	
APPROVED BY			09/11/2023	
SHEET SIZE			REVISION WEIGHT	
A3			0 3.6 KG	
			REPLACES DRAWING	
			PROFILE NUMBER	
			-	
			UNLESS OTHERWISE SPECIFIED	
			ALL DIMENSIONS ARE IN MILLIMETERS	
			TOLERANCES	
			LINEAR	
			OVER 30 UP TO 50 ±0.1	
			OVER 50 UP TO 100 ±0.2	
			OVER 100 UP TO 200 ±0.3	
			OVER 200 ±0.5	
			ANGULAR ±0.5°	
			SURFACE ROUGHNESS	
			IF IN DOUBT ASK	



RRI-VTP4-M - 4 STATION PENDANT

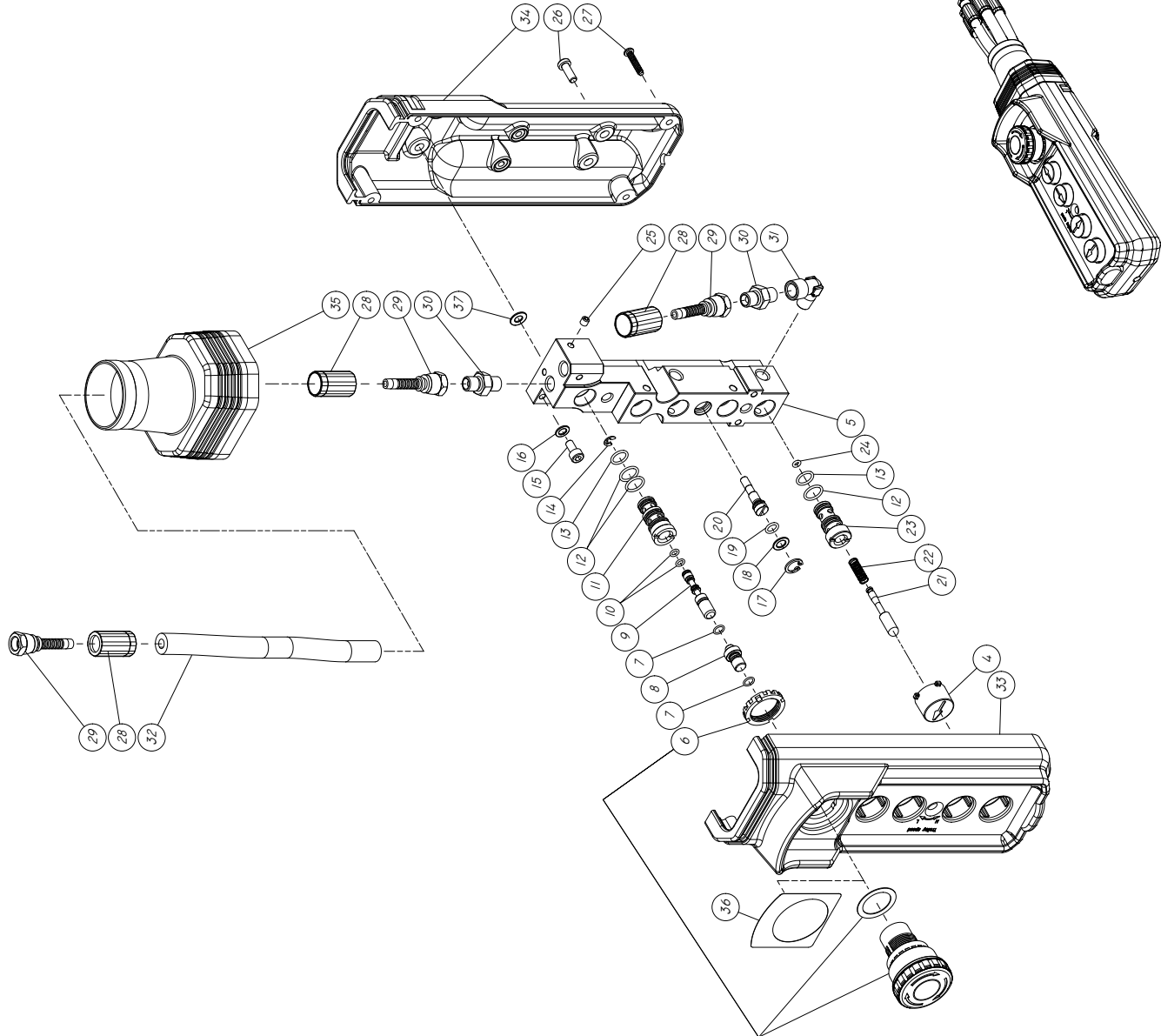
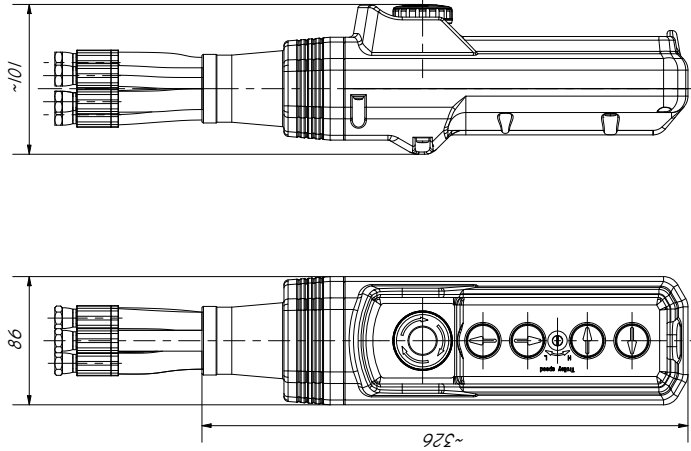
VRD-4R Station Pendant - Standard Version

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



VRD-4R Station Pendant - Standard Version - Parts List			
ITEM QTY	PART NUMBER	DESCRIPTION	REV.
1	420235M50	FRONT CASE	
2	420235M60	REAR CASE	
3	156008256	BOOT	
4	156008256	BOOT	
5	420235M40	VALVE BODY	
6	156008256	EMERGENCY STOP BUTTON	
7	151030024	O-RING S-6	
8	420235M60	FLUSH ROD	
9	420235M60	EMERGENCY STOP VALVE	
10	420235M60	O-RING S-6	
11	151030024	EMERGENCY STOP VALVE	
12	151030024	O-RING S-6	
13	151030024	O-RING S-6	
14	151030024	O-RING S-6	
15	151030024	O-RING S-6	
16	151030024	O-RING S-6	
17	151030024	O-RING S-6	
18	151030024	O-RING S-6	
19	151030024	O-RING S-6	
20	151030024	O-RING S-6	
21	151030024	O-RING S-6	
22	151030024	O-RING S-6	
23	151030024	O-RING S-6	
24	151030024	O-RING S-6	
25	151030024	O-RING S-6	
26	151030024	O-RING S-6	
27	151030024	O-RING S-6	
28	151030024	O-RING S-6	
29	151030024	O-RING S-6	
30	151030024	O-RING S-6	
31	151030024	O-RING S-6	
32	151030024	O-RING S-6	
GENERAL ASSEMBLY			
VRD-4R-00			
1 / 2			
UNLESS OTHERWISE SPECIFIED			
ALL DIMENSIONS ARE IN MILLIMETERS			
TOLERANCES			
LINEAR			
UP TO < 30.0			
30.0 TO < 63.0			
63.0 TO < 125.0			
125.0 TO < 250.0			
250.0 TO < 500.0			
500.0 TO < 1000.0			
OVER 1000.0			
ANGULAR ±0.5°			
SURFACE ROUGHNESS			
IF IN DOUBT ASK			

VRD-4R STATION PENDANT - ATEX VERSION



VRD-4R STATION PENDANT - ATEX VERSION - PARTS LIST				REV.
ITEM QTY	PART NUMBER	DESCRIPTION		
4	420235X40	BUTTON		
5	420235M40	VALVE BODY		
6	150603003	EMERGENCY STOP BUTTON		
7	150603003	O-RING S-6		
8	420234M40	PLATE ROD		
9	420234M40	EMERGENCY STOP VALVE		
10	15105002	EMERGENCY STOP VALVE		
11	420234M50	EMERGENCY STOP BUSHING		
12	15105009	O-RING S-12		
13	15105008	O-RING S-10		
14	150303204	RETAINING RING F-4		
15	151050310	HEX SOCKET HEAD CAP SCREW M5X10		
16	151092015	WASHER M5		
17	150301912	RETAINING RING H-12		
18	151309206	WASHER M6		
19	151030008	O-RING S-7		
20	4202351M40	ADJUST SCREW		
21	420218M60	THROTTLE VALVE		
22	150802036	SPRING 6X18X10.32		
23	420218M40	BUSHING		
24	151090001	O-RING S-3 (HS90)		
25	152105305	HEX SOCKET SET SCREW M5X5		
26	152104114	PHILLIPS PAN HEAD MACHINE SCREW M5X14		
27	152904121	PHILLIPS PAN HEAD SELF-TAPPING SCREW 4X20		
28	P002-1	1/4" HOSE FERRULE (GALVANISED)		
29	P016-1	1/8" BSP TO 1/4" SWIVEL HOSE TAIL		
30	P071-1	1/8" BSP HEX NIPPLE C/W 60° CONE		
31	P128	1/4" ANTI-STATIC 20BAR BLACK AIR HOSE (BS EN ISO 2398:2016)		
32	420252M50	FRONT CASE		
33	420252M60	REAR CASE		
34	136608257	BOOT S		
35	137316006	YELLOW STICKER		
36	131307105	WASHER M5		
37				
MATERIAL				
SCALE				
NTS				
DESIGNED BY				
DRAWN BY				
CHECKED BY				
APPROVED BY				
SHEET SIZE				
A3				
TITLE OF PART				
GENERAL ASSEMBLY				
DATE				
11/09/2023				
REVISION				
0				
WEIGHT				
2.8 KG				
REPLACES DRAWING				
-				
PROFILE NUMBER				
-				
PART NUMBER				
VRD-4R-00				
2 / 2				
UNLESS OTHERWISE SPECIFIED				
ALL DIMENSIONS ARE IN MILLIMETERS				
TOLERANCES				
LINEAR				
OVER 30 UP TO 50				
OVER 50 UP TO 100				
OVER 100 UP TO 150				
OVER 150 UP TO 200				
OVER 200 UP TO 300				
OVER 300 UP TO 500				
OVER 500 UP TO 1000				
ANGULAR ±0.5°				
SURFACE ROUGHNESS				
IF IN DOUBT ASK				