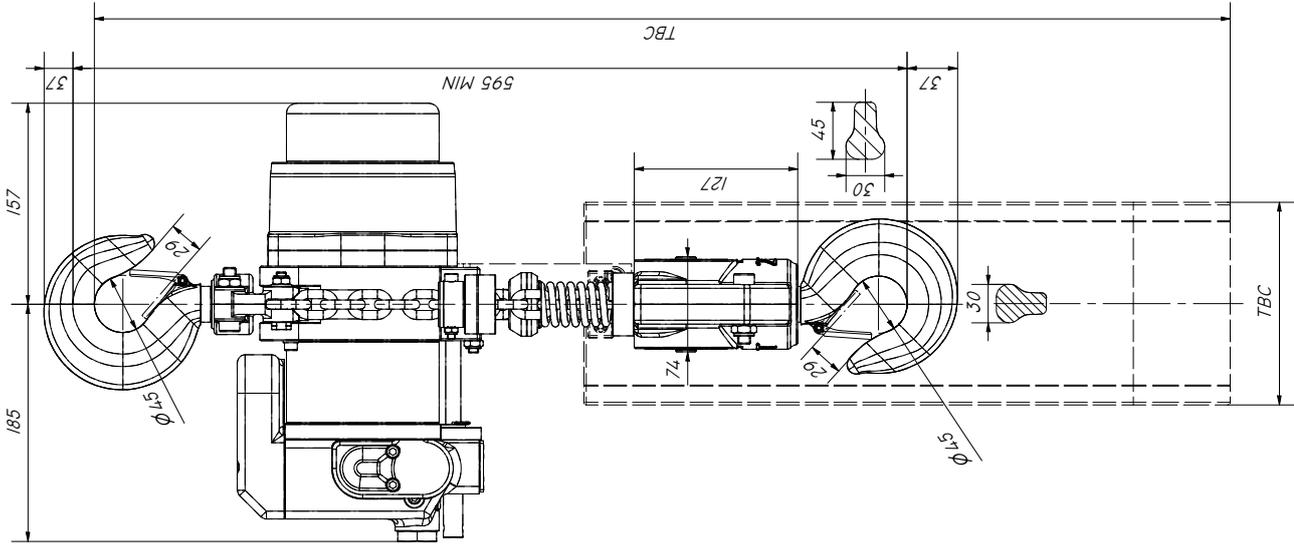
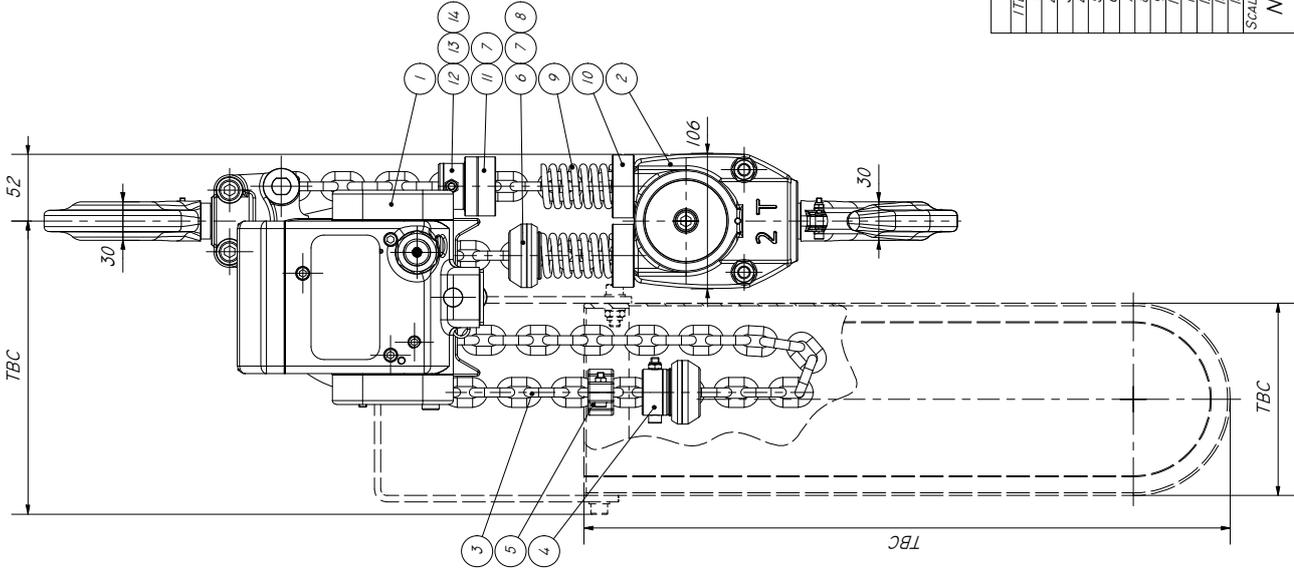
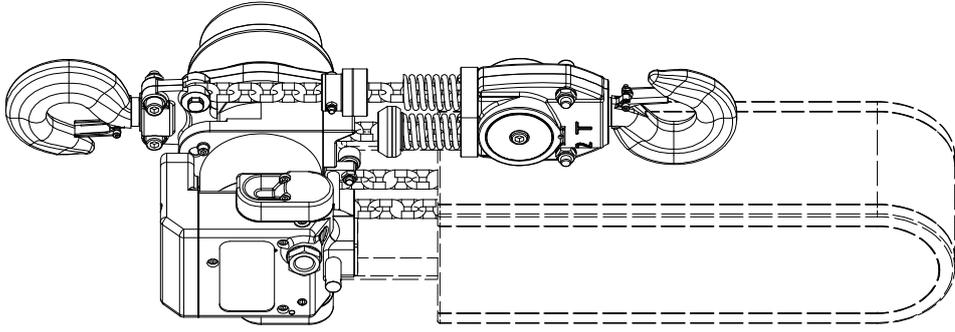


REVISION HISTORY		
REV.	DATE	APPROVED
0	18/01/2022	G. KRUPINSKI



ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	TCR-2000 DU	DRIVE UNIT	
2	1	TCR-2000 BB	BOTTOM BLOCK	
3	1	7.1 X 2.1 CHAIN	HOIST CHAIN	
4	1	TCR-1000 DEA	DEAD END ANCHOR	
5	1	TCR-1000 CDS	CHAIN DOWN STOPPER	
6	1	426266450	LIMIT LOCK	
7	2	136206003	SHOCK ABSORBER	
8	1	426266680	LIMIT WASHER	
9	2	130802219	SPRING 30X55X5	
10	2	426291650	LIMIT WASHER	
11	1	426286620	HOLDER	
12	1	426266390	END STOPPER	
13	1	426224680	END BOLT	
14	1	134510206	U-NUT M16	

MATERIAL		TITLE OF PART		PART NUMBER	
SUBGRADE	DATE	SUBGRADE	DATE	TCR-2000PE	2 / 2
G. MORGAN	09/07/2021	DMG	08/09/2021	GENERAL ASSEMBLY	
G. MORGAN	08/09/2021	DMG	08/09/2021	DATE	
G. KRUPINSKI	09/09/2021	AK	0	REVISION WEIGHT	
B. AITKEN	10/09/2021	AK	-4.0KG	REPLACES DRAWING	
				PROFILE NUMBER	



UNLESS OTHERWISE SPECIFIED  
ALL DIMENSIONS ARE IN MILLIMETERS  
TOLERANCES  
UP TO 5 ±0.05  
OVER 5 UP TO 20 ±0.1  
OVER 20 UP TO 100 ±0.2  
OVER 100 UP TO 1000 ±0.3  
OVER 1000 ±0.5  
ANGLE 18 ±0.5°  
SURFACE FINISHES N/A  
IF IN DOUBT ASK

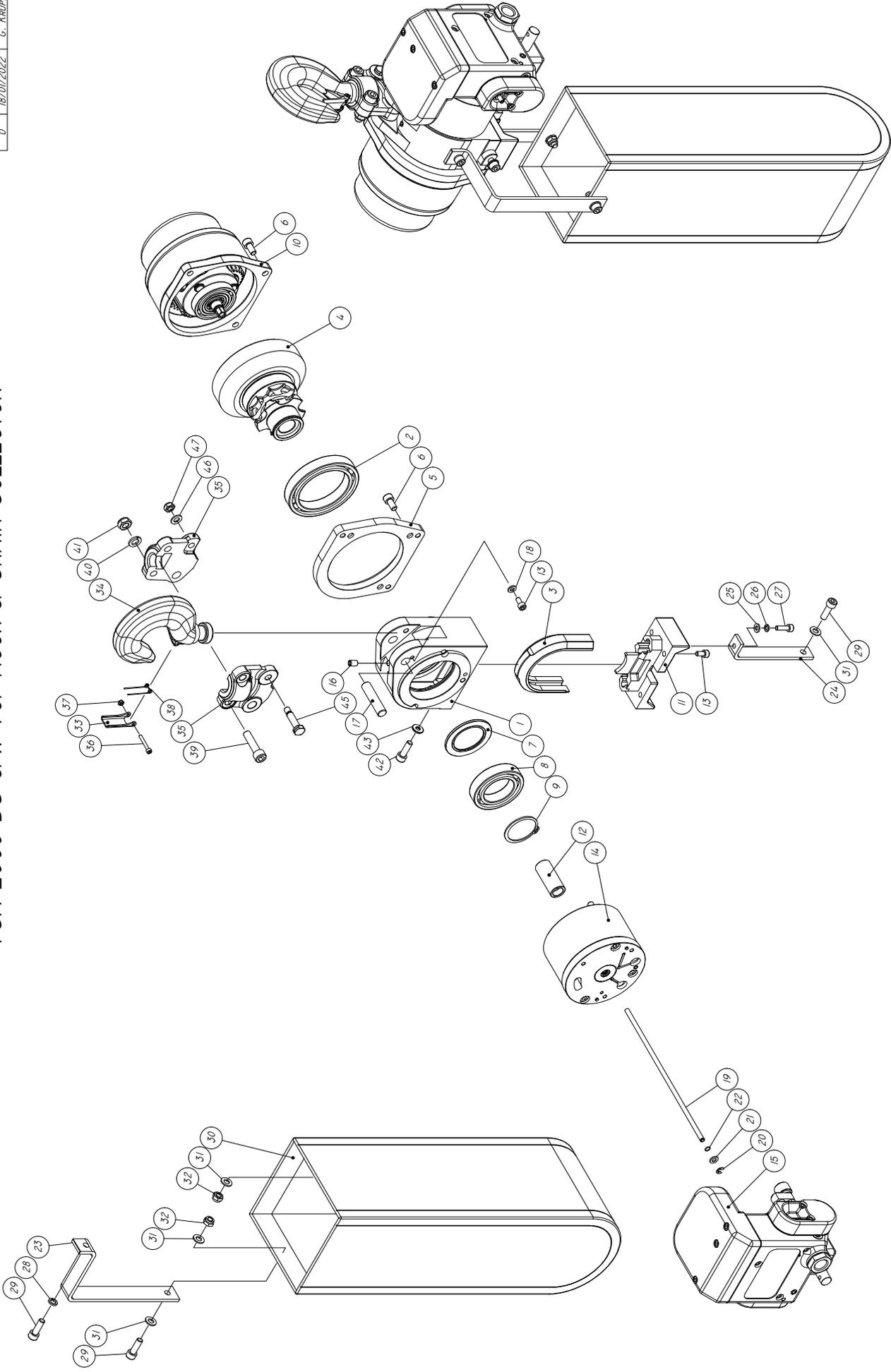
TCR2000 - 2T 2F AH

SHEET SIZE A3

# TCR-2000 DU c/w TOP HOOK & CHAIN COLLECTOR

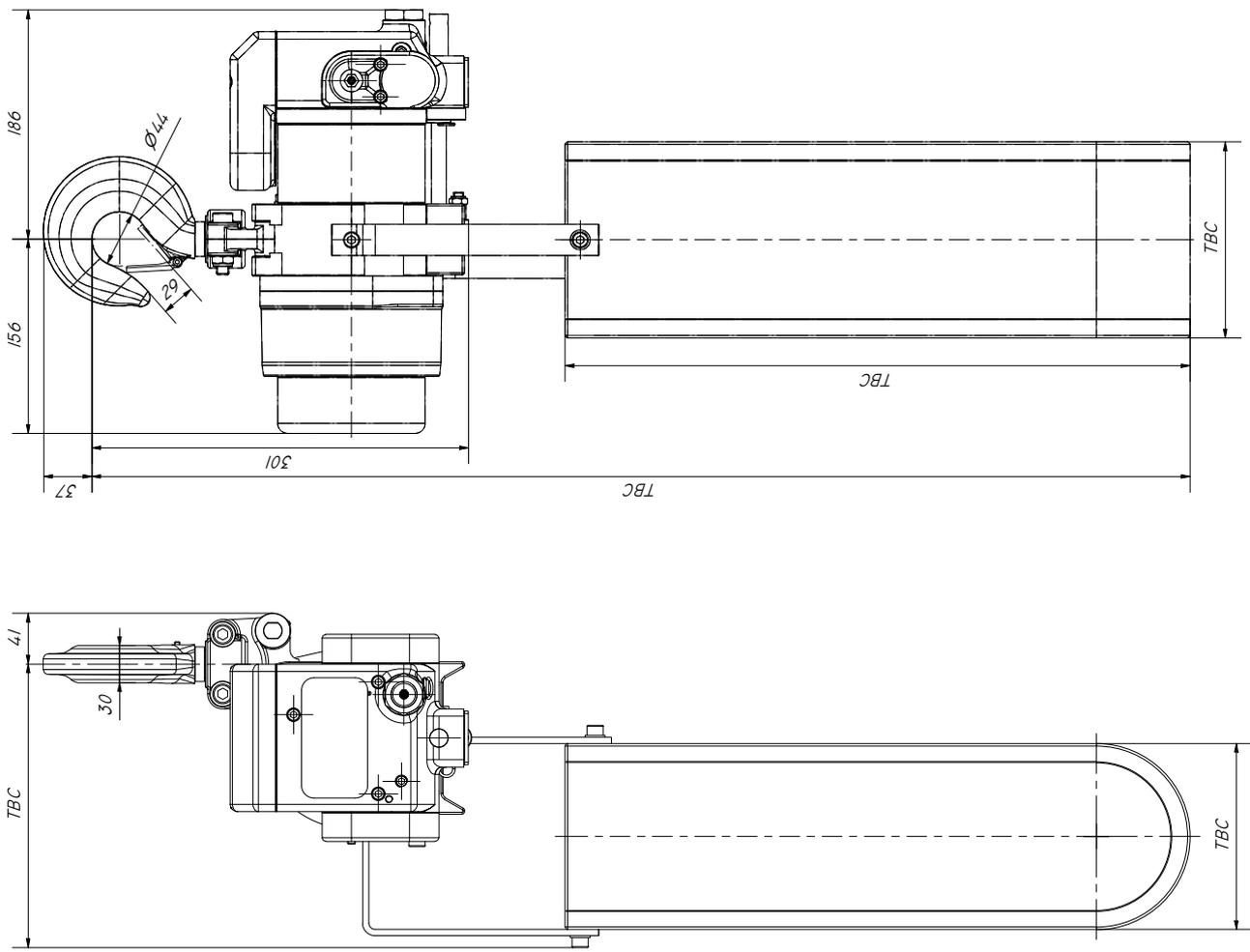
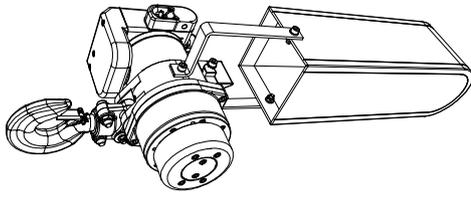
REV.	DATE	APPROVED
0	18/07/2022	G. KRUPINSKI

REVISION HISTORY	
REV.	DATE
0	18/07/2022
G. KRUPINSKI	



SCALE	MATERIAL	TITLE OF PART	PART NUMBER
NTS		DRIVE UNIT	TCR-2000 DU
			3 / 12
DESIGNED BY	SUBMITTER <td>DATE</td> <td>UNLESS OTHERWISE SPECIFIED</td>	DATE	UNLESS OTHERWISE SPECIFIED
O. MORGAN	O. MORGAN	23/07/2021	ALL DIMENSIONS ARE IN MILLIMETERS
DRAWN BY	DATE	REVISION	TOLERANCES
O. MORGAN	23/07/2021	0	UP TO 5 ±0.05
CHECKED BY	SUBMITTER	REPLACES DRAWING	OVER 5 TO 30 ±0.1
W. MORRISON	26/07/2021	-	OVER 30 TO 100 ±0.2
APPROVED BY	DATE	PROFILE NUMBER	OVER 100 TO 300 ±0.3
B. ATYEN	27/07/2021	-	OVER 300 TO 1000 ±0.5
SHEET SIZE	TITLE OF PROJECT		ANGLES ARE 0.5°
A3	TCR2000 - 2T 2F AH		SURFACE FINISHES N/A
			IF IN DOUBT ASK

# TCR-2000 DU c/w TOP HOOK & CHAIN COLLECTOR



ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	426224212	WHEEL HOUSING	
2	1	13013015	BEARING 6915	
3	1	426266351	CHAIN GUIDE	
4	1	426266300	WHEEL	
5	1	426266640	ADAPTER	
6	6	131708016	HEX SOCKET HEAD CAP SCREW M8x16	
7	1	426224230	SPACER	
8	1	130104010	BEARING 6009	
9	1	130302045	RETAINING RING S-45	
10	1	TCR-1000 GB	GEARBOX	
11	1	426266360	CHAIN SEPARATOR	
12	1	426224200	COUPLING	
13	5	131708016	HEX SOCKET HEAD CAP SCREW M8x16	
14	1	TCR-1000 AH	AIR MOTOR	
15	1	TCR-1000 CV	CONTROL VALVE	
16	1	131708015	HEX SOCKET SET SCREW M8x20	
17	1	426224230	SPACER	
18	1	426221650	WASHER	
19	1	426221331	BRAKE RING	
20	1	150303005	RETAINING RING E-5	
21	1	151507006	WASHER M6	
22	1	131033004	O-RING S-6	
23	1	TCR1000-BB-01	CHAIN COLLECTOR BRACKET	0
24	1	TCR1000-BB-02	CHAIN COLLECTOR BRACKET	0
25	1	DIN 125 - A 6.4	WASHER	
26	1	DIN 7980 - 6	WASHER	
27	1	DIN 912 - M6 x 20	CYLINDER HEAD CAP SCREW	
28	1	DIN 7980 - 8	WASHER	
29	3	DIN 912 - M8 x 25	CYLINDER HEAD CAP SCREW	
30	1	CHAIN COLLECTOR	CHAIN COLLECTOR	
31	4	DIN 125 - A 8.4	WASHER	
32	2	DIN 985 - M8	WASHER	
33	1	420645F11	HOOK SAFETY CLAW	
34	1	426286570	HOOK	
35	2	426286570	UPPER HOOK METAL	
36	1	131704028	HEX SOCKET HEAD CAP SCREW M8x28	
37	1	134501004	U NUT M8	
38	1	130802046	HOOK SPRING	
39	2	131700440	HEX SOCKET HEAD CAP SCREW M10x40	
40	2	131501010	SPRING WASHER M10	
41	1	134501010	U NUT M10	
42	1	131708025	HEX SOCKET HEAD CAP SCREW M8x25	
43	1	426286550	WASHER	
44	1	131507008	HOOK JOIN PIN	
45	1	426286550	WASHER M8	
46	1	131507008	HOOK JOIN PIN	
47	1	134501008	U-NUT M8	

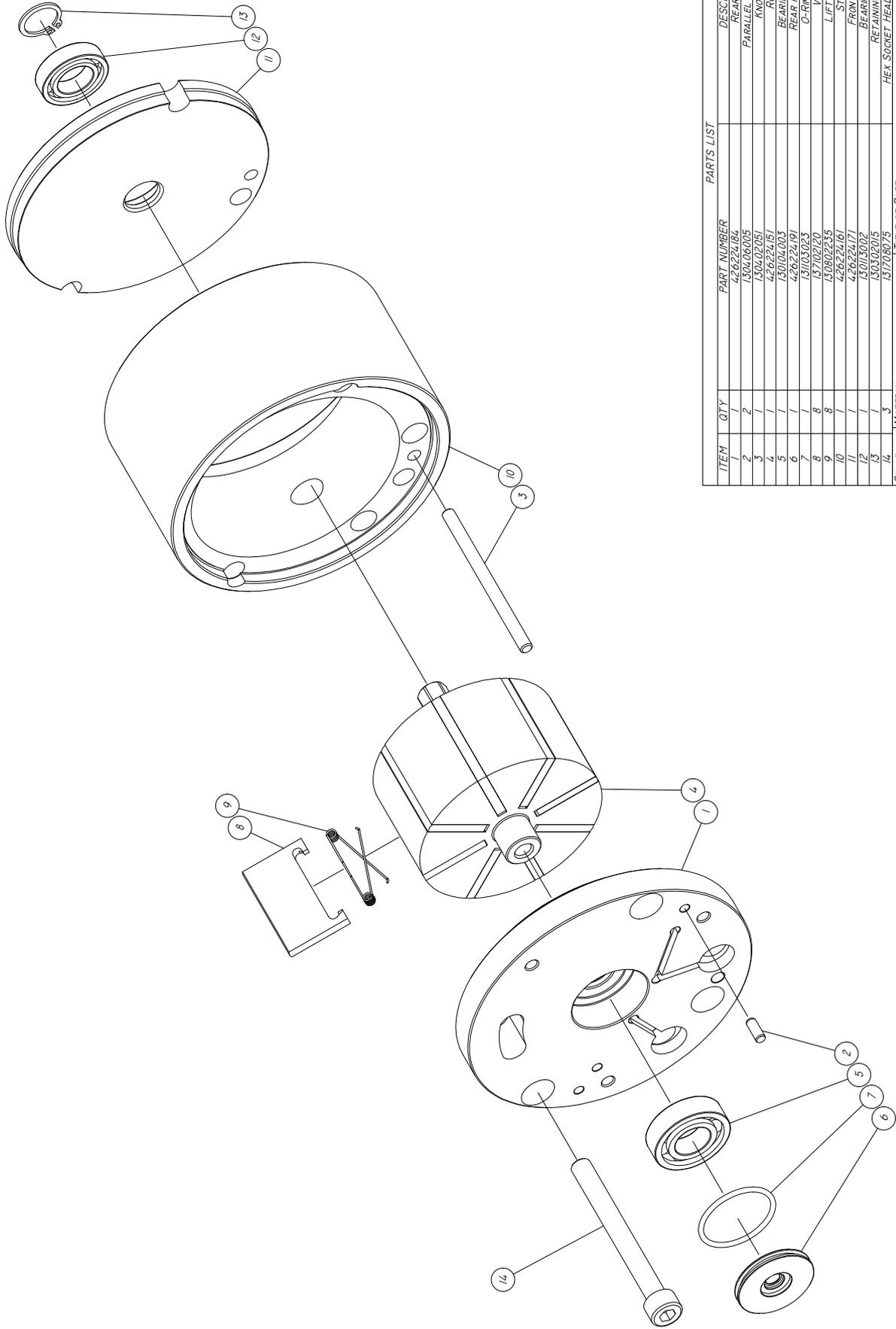
SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
NTS				DRIVE UNIT		TCR-2000 DU	
DESIGNED BY	SUBNAME	DATE	SIGNATURE	UNLESS OTHERWISE SPECIFIED			
O. MORGAN	O. MORGAN	22/12/2020	<i>[Signature]</i>	ALL DIMENSIONS ARE IN MILLIMETERS			
DRAWN BY		23/07/2021	<i>[Signature]</i>	DATE		23/07/2021	
W. MORRISON		26/07/2021	<i>[Signature]</i>	REVISION		0	
B. ALTHEN		27/07/2021	<i>[Signature]</i>	WEIGHT		35 KG	
				REPLACES DRAWING			
				PROFILE NUMBER			
TITLE OF PROJECT				TCR2000 - 2T 2F AH			
SHEET SIZE				A3			
SURFACE FINISHES				IF IN DOUBT ASK			



RED ROOSTER LIFTING  
DESIGNED, MANUFACTURED AND ASSEMBLED IN THE UK  
 100% FULLY COMPLIANT WITH ALL RELEVANT EUROPEAN AND UK REGULATIONS



REVISION HISTORY		
REV.	DATE	APPROVED
0	23/09/2021	G. KRUPINSKI



PARTS LIST		TITLE OF PART	
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	426224184	REAR PLATE
2	2	130406005	PARALLEL PIN 4X10 H7
3	1	130402051	KNOCK PIN
4	1	426224051	ROTOR
5	1	130104003	BEARING 6.002
6	1	426224091	REAR RETAINER
7	1	131033023	O-RING S-29
8	8	137102120	VANE
9	8	130802235	LIFT SPRING
10	1	426224161	FRONT PLATE
11	1	130130002	RETAINING RING S-15
12	1	130330205	HEX SOCKET HEAD CAP SCREW M8X7.5
13	1	131708075	
14	3		

MATERIAL		(IF DIFFERENT)	
SUBGRADE	DATE	SUBGRADE	DATE
O. MORGAN	21/12/2020	D.M.B.	16/03/2021
O. MORGAN	16/03/2021	D.M.B.	17/03/2021
W. MORRISON	17/03/2021	B. ALLEN	18/03/2021

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
O. MORGAN	O. MORGAN	W. MORRISON	B. ALLEN

DATE	REVISION	WEIGHT	REPLACES DRAWING	PROFILE NUMBER
16/03/2021	0	5.2 NG	-	-

AIR MOTOR	
PART NUMBER	TITLE OF PART
TCR-1000 AM	

UNLESS OTHERWISE SPECIFIED	
ALL DIMENSIONS ARE IN MILLIMETERS	
TOLERANCES	
UP TO 5 ± 0.05	
OVER 5 UP TO 10 ± 0.1	
OVER 10 UP TO 20 ± 0.15	
OVER 20 UP TO 50 ± 0.2	
OVER 50 UP TO 100 ± 0.3	
OVER 100 ± 0.5	
ANGLE 10 ± 0.5°	
SURFACE FINISHES $\sqrt{R}$	
IF IN DOUBT ASK	

RED ROOSTER LIFTING	
QUALITY ASSURED THROUGH EXCELLENCE	
<small>RED ROOSTER LIFTING LTD          1000 WINDMILL LANE          WINDMILL LANE          WINDMILL LANE          WINDMILL LANE</small>	

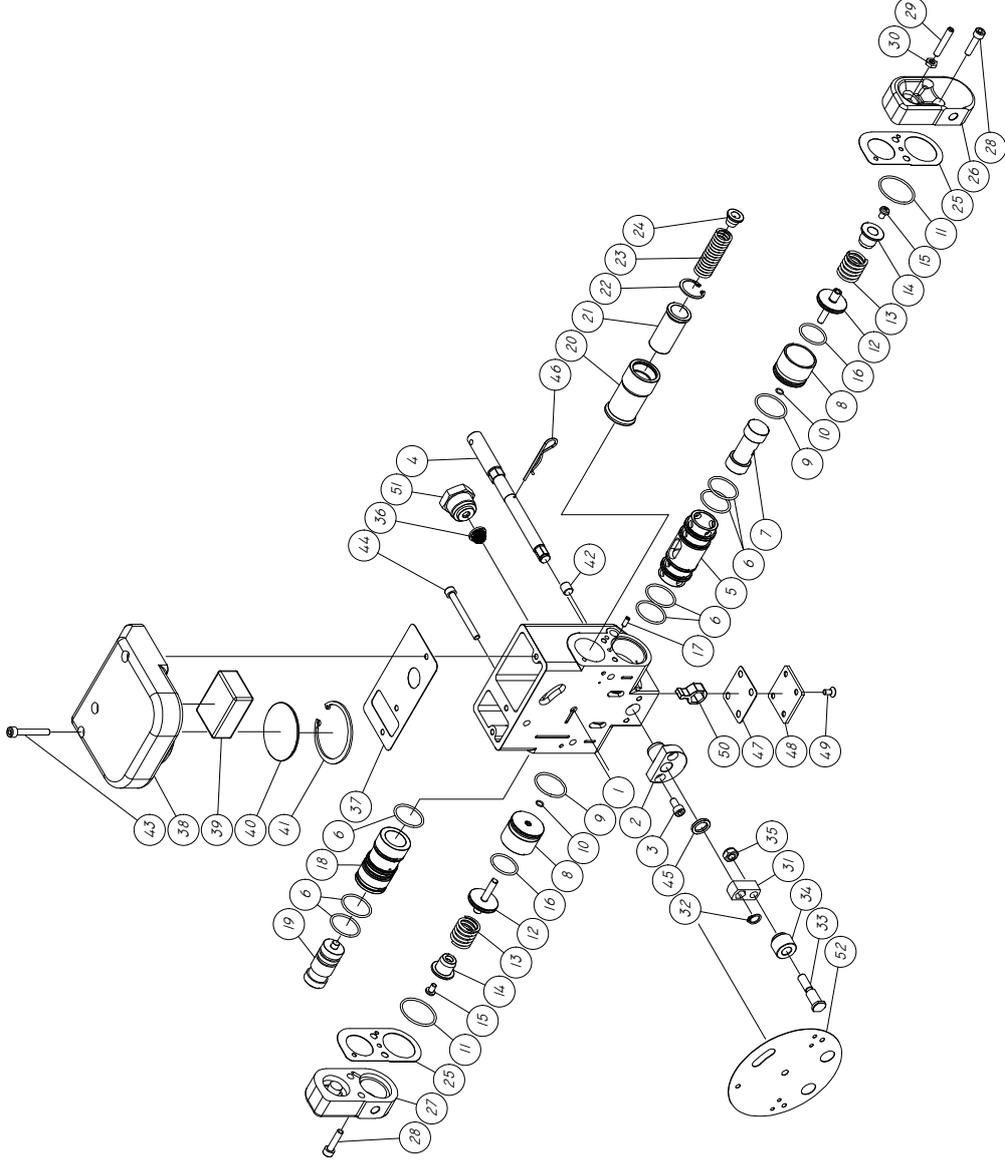
  

TITLE OF PROJECT	

SCALE	SHEET SIZE
NTS	A3

REVISION HISTORY		
REV.	DATE	APPROVED
0	24/08/2021	G. KRUPINSKI



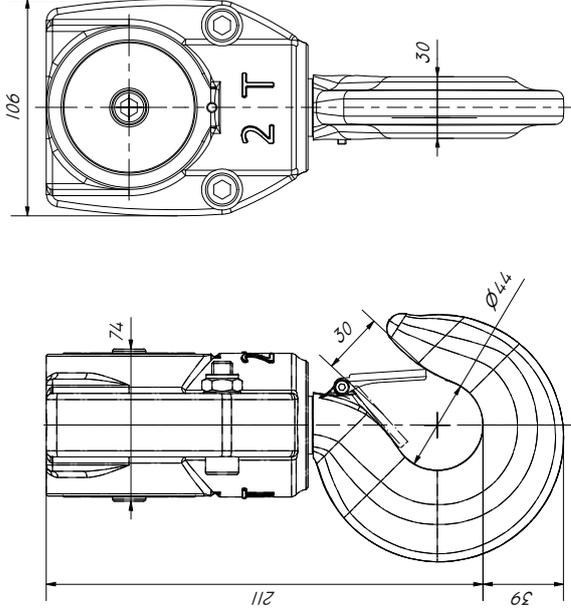
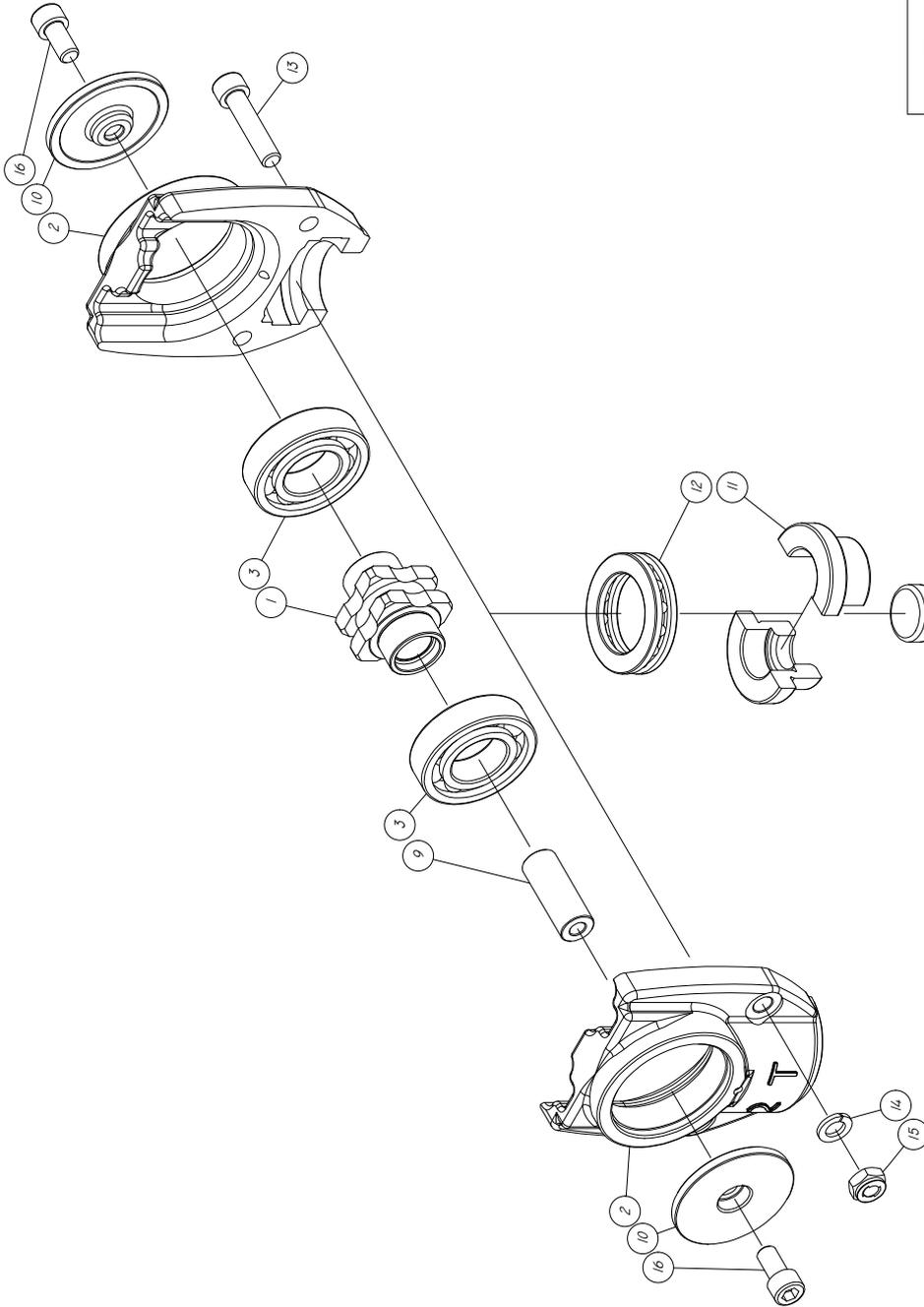
PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	426224063	VALVE BODY	
2	1	426224101	LIMIT GUIDE	
3	2	131706012	HEX SOCKET HEAD CAP SCREW M6X12	
4	1	426224460	LIMIT SHAFT	
5	1	426224C30	MAIN BUSHING	
6	7	131103022	O-RING S-28	
7	1	426224013	MAIN SPOOL	
8	2	426224C20	SPOOL CYLINDER	
9	2	131103024	O-RING S-30	
10	2	131103024	O-RING S-34	
11	2	131103027	O-RING S-6	
12	2	426224C60	SPOOL PISTON	
13	2	130802217	SPRING 19.5X25X2.6	
14	2	426224C70	SPRING SEAT	
15	2	132405008	PHILLIPS HEAD MACHINE SCREW M5X8	
16	2	131103021	O-RING S-26	
17	2	130602400	SPRING PIN 4X10	
18	1	426224C40	BRAKE BUSHING	
19	1	426224021	BRAKE SPOOL	
20	1	426224C30	LIMIT BUSHING	
21	1	426224041	BRAKE RETAINER	
22	1	130901970	RETAINING RING S-25	
23	1	130901970	SPRING 18X18X2.4	
24	1	2522105	SPRING HELMS (N)	
25	2	156101962	SIDE COVER (L)	
26	1	426224093	SIDE COVER (R)	
27	1	131706025	HEX SOCKET HEAD CAP SCREW M6X25	
28	4	132306035	HEX SOCKET HEAD SET SCREW M6X35	
29	1	1344031006	HEX NUT M6	
30	1	426224110	CHAIN LEVER	
31	1	130302010	RETAINING RING S-10	
32	1	426224120	ROLLER SHAFT	
33	1	426224130	LIMIT ROLLER	
34	1	134501008	L-NUT M8	
35	1	136803032	1/2 NET SCREEN	
36	1	136102162	TOP PACKING	
37	1	426224070	TOP COVER	
38	1	137402031	NYLON SILENCER	
39	1	137402030	EXHAUST SILENCER	
40	1	130301058	RETAINING RING H-58	
41	1	134902023	HEX SOCKET PIPE PLUG 1/8	
42	4	131706040	HEX SOCKET HEAD CAP SCREW M6X40	
43	3	131706060	HEX SOCKET HEAD CAP SCREW M6X60	
44	3	426325750	WASHER	
45	1	130790012	SNAP PIN 12	
46	1	130790012	UNDER PACKING	
47	1	136102163	UNDER COVER	
48	1	426224170	HEX FAT HEAD MACHINE SCREW M5X10	
49	4	132805010	LIMIT LEVER	
50	1	426224140	INLET BUSHING	
51	1	134703060	VALVE PACKING	
52	1	136102161		

SCALE	MATERIAL	TITLE OF PART	PART NUMBER
NTS		CONTROL VALVE	TCR-1000 CV
DESIGNED BY	SUBMITTER	DATE	UNLESS OTHERWISE SPECIFIED
O. MORGAN	O. MORGAN	17/03/2021	ALL DIMENSIONS ARE IN MILLIMETERS
DRAWN BY	DATE	REVISION WEIGHT	TOLERANCES
W. MORGAN	18/03/2021	0	UP TO 5 ±0.05
CHECKED BY	DATE	REPLACES DRAWING	OVER 5 TO 20 ±0.1
B. AITKEN	19/03/2021	-	OVER 20 TO 50 ±0.2
APPROVED BY	TITLE OF PROJECT	PROFILE NUMBER	OVER 50 TO 100 ±0.3
		-	OVER 100 TO 200 ±0.5
SHEET SIZE			ANGLES 10 & 0.5°
A3			SURFACE FINISHES N/A
			IF IN DOUBT ASK



RED ROOSTER LIFTING  
DESIGN, MANUFACTURE, SERVICE AND REPAIR  
 OF ALL TYPES OF LIFTING EQUIPMENT  
 AND ACCESSORIES

REVISION HISTORY	
REV.	DATE
0	18/01/2022
APPROVED	
G. KRUPINSKI	



ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	426001R80	FREE CHAIN WHEEL	
2	2	426286590	UNDER HOOK METAL	
3	2	130109007	BEARING 6206ZZ	
4	1	131704028	HEX SOCKET HEAD CAP SCREW M4x28	
5	1	420645F11	HOOK SAFETY CLAW	
6	1	420645F11	HOOK	
7	1	134501004	U NUT M4	
8	1	130802046	HOOK SPRING	
9	1	420866G10	UNDER HOOK METAL SHAFT	
10	2	420866G10	UNDER HOOK METAL COVER	
11	2	426286770	THRUST RING	
12	1	13021018	THRUST BEARING 51708	
13	2	131700445	HEX SOCKET HEAD CAP SCREW M10x45	
14	2	131301010	SPRING WASHER M10	
15	2	134501010	U NUT M10	
16	2	131770020	HEX SOCKET HEAD CAP SCREW M10x20	

SCALE	MATERIAL	TITLE OF PART	PART NUMBER
NTS		BOTTOM BLOCK	TCR-2000 BB

DESIGNED BY	DATE	SIGNATURE
O. MORGAN	07/07/2021	<i>[Signature]</i>
O. MORGAN	03/09/2021	<i>[Signature]</i>
G. KRUPINSKI	15/09/2021	<i>[Signature]</i>
B. AITKEN	14/09/2021	<i>[Signature]</i>

DATE	REVISION	REVISION WEIGHT	REPLACES DRAWING	PROFILE NUMBER
03/09/2021	0	5.4 AG		

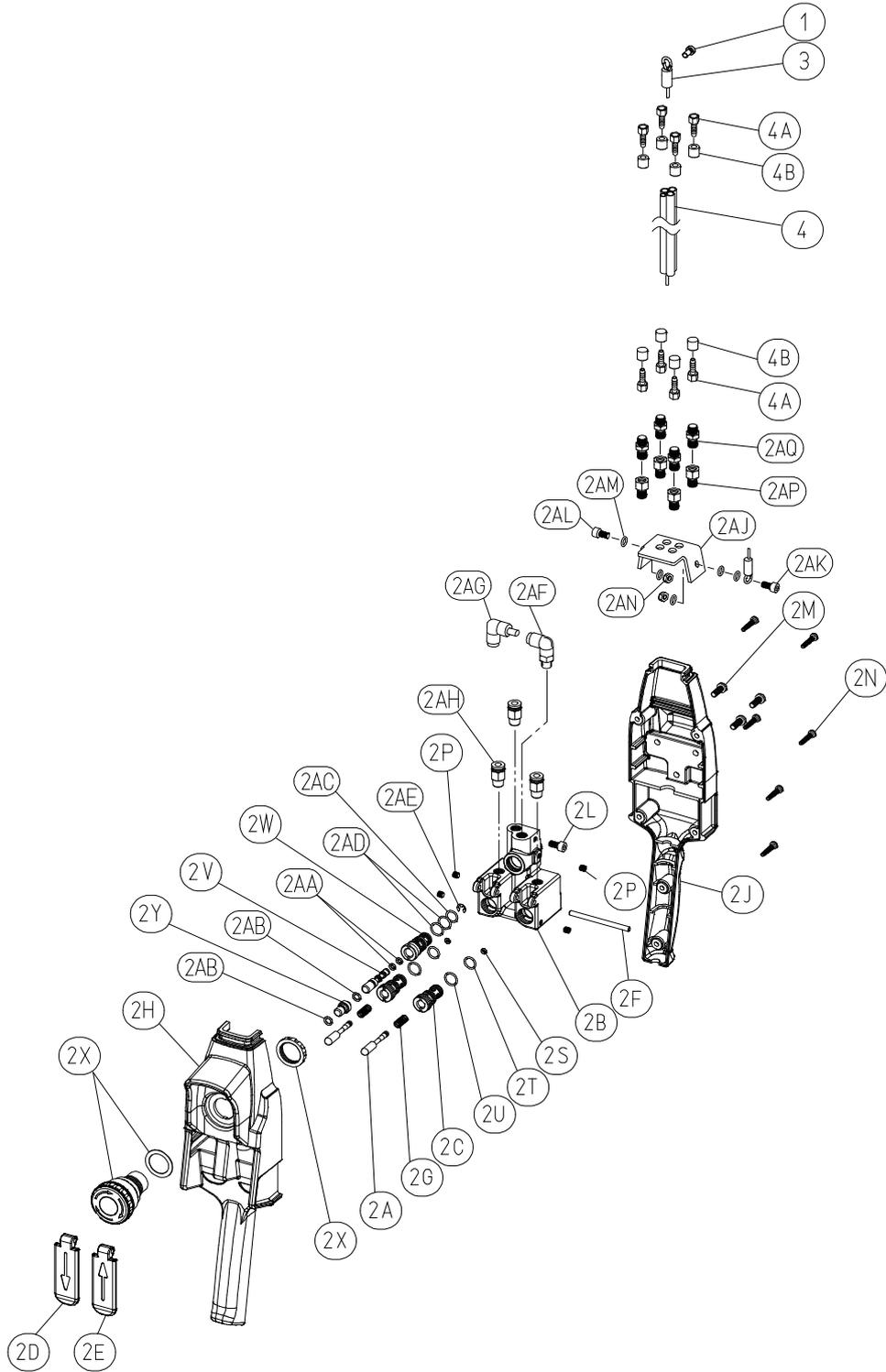
TOLERANCES	
UP TO 5 ± 0.05	UNLESS OTHERWISE SPECIFIED
5 TO 10 ± 0.1	ALL DIMENSIONS ARE IN MILLIMETERS
10 TO 20 ± 0.15	
20 TO 30 ± 0.2	
30 TO 40 ± 0.25	
40 TO 50 ± 0.3	
OVER 50 ± 0.4	
ANGLE 10 ± 0.5°	
ANGLE 15 ± 0.5°	
ANGLE 30 ± 0.5°	
ANGLE 45 ± 0.5°	
ANGLE 60 ± 0.5°	
ANGLE 75 ± 0.5°	
ANGLE 90 ± 0.5°	
ANGLE 105 ± 0.5°	
ANGLE 120 ± 0.5°	
ANGLE 135 ± 0.5°	
ANGLE 150 ± 0.5°	
ANGLE 165 ± 0.5°	
ANGLE 180 ± 0.5°	

TITLE OF PROJECT	
RED ROOSTER LIFTING	

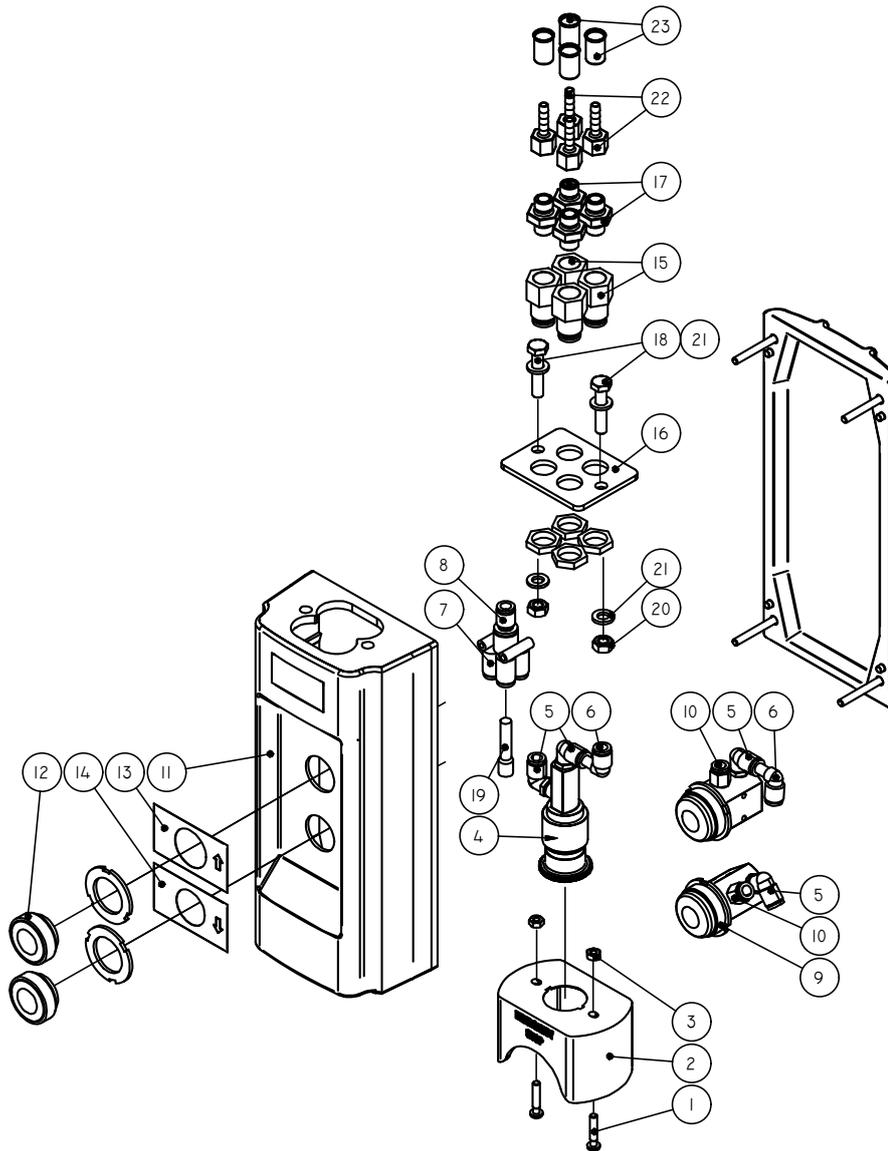
  

TITLE OF PROJECT	
A3	



## Pendant - VRD-2R

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



## Pendant - VTP2M

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