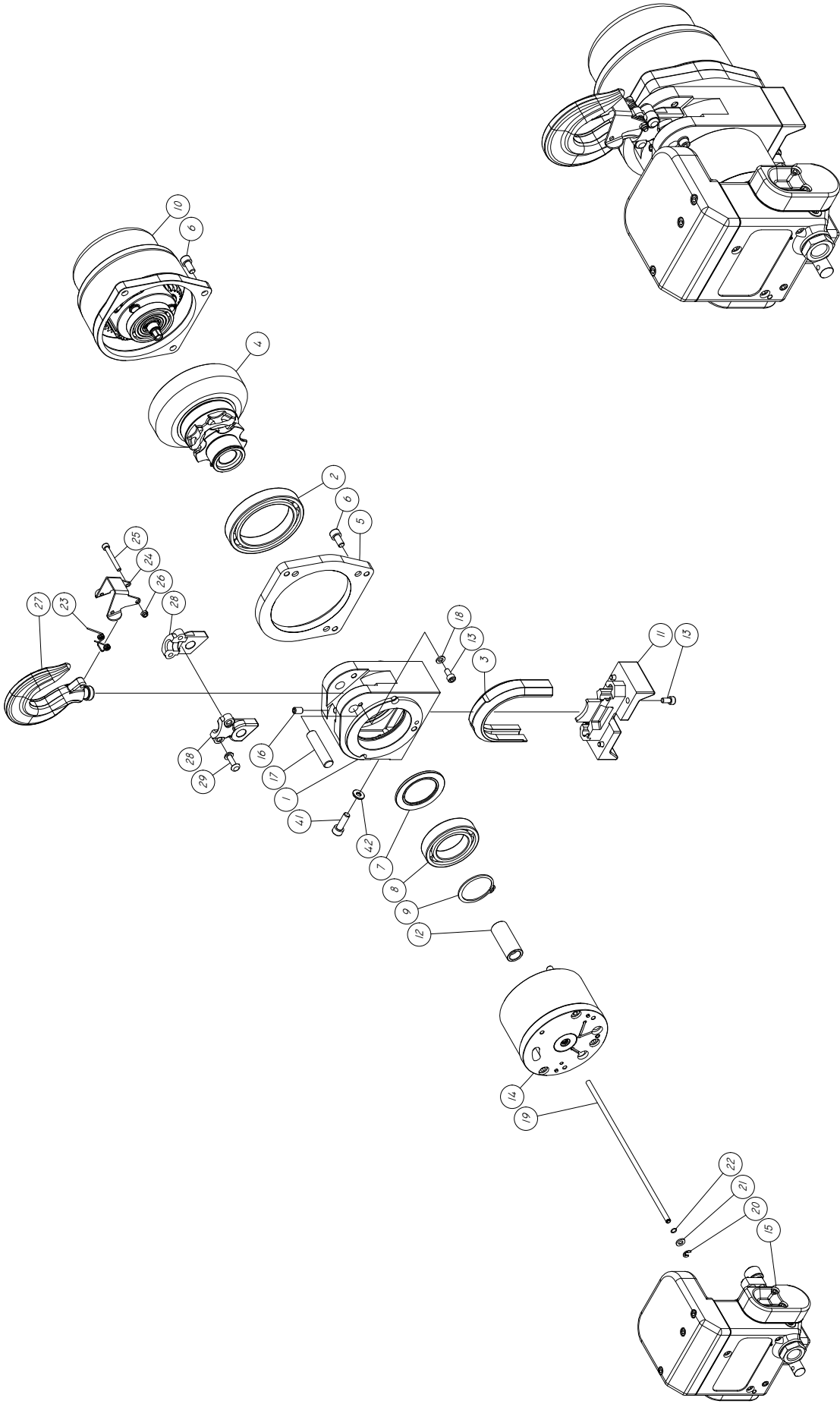
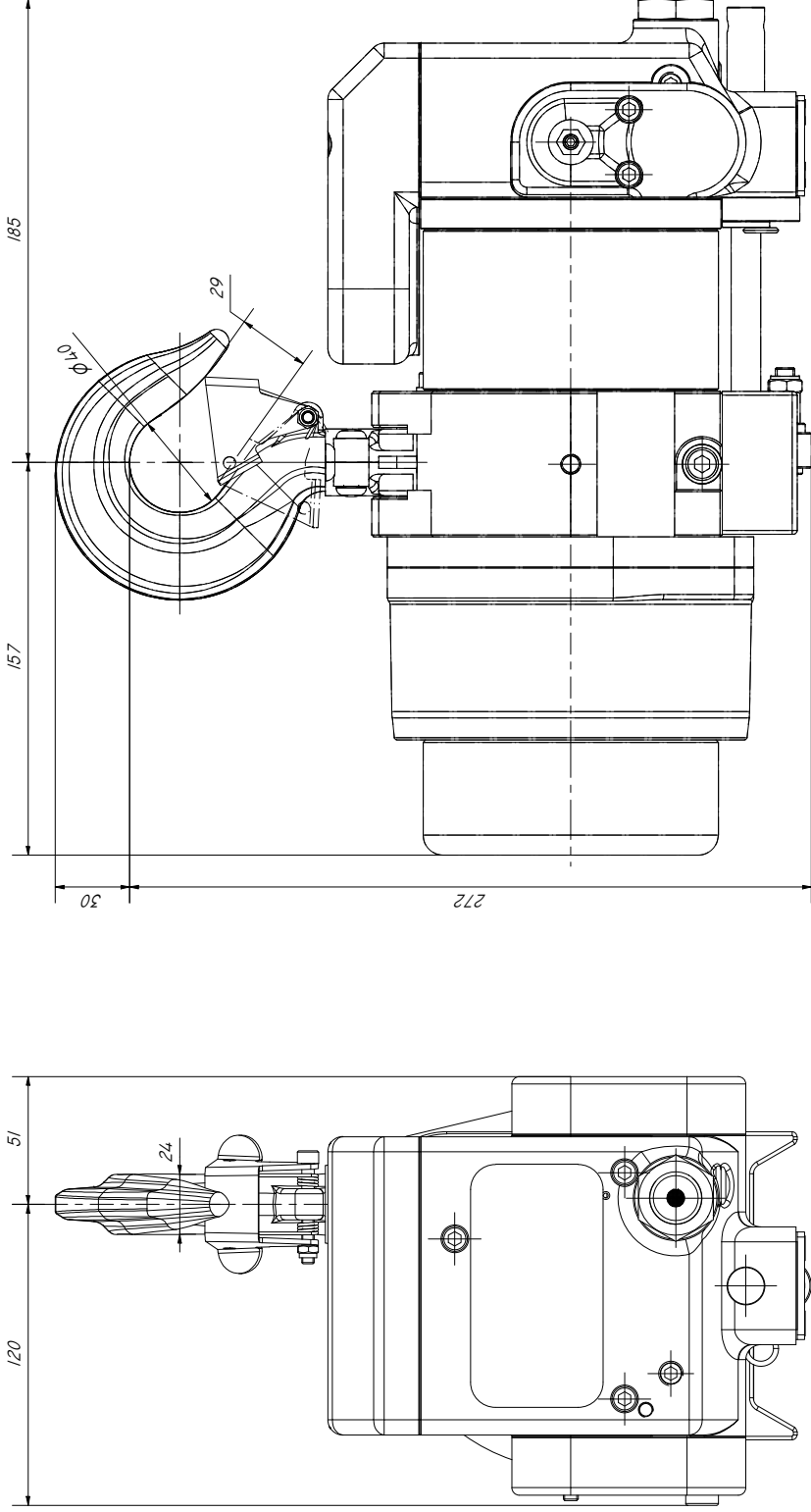


TCR-1000 DU

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



SCALE	MATERIAL	TITLE OF PART	PART NUMBER
NTS	(BY EQUIVALENT)	DRIVE UNIT	TCR-1000 DU 1 / 8
DESIGNED BY	SURNAME	DATE	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS
DRAWN BY	O. MORGAN	23/07/2021	LINEAR
CHECKED BY	O. MORGAN	REVISION	OVER 1000 ± 0.05 OVER 500 ± 0.1 OVER 100 ± 0.2 OVER 50 ± 0.3 OVER 10 ± 0.5
APPROVED BY	W. MORRISON	WEIGHT	ANGULAR ± 0.5° SURFACE ROUGHNESS $\sqrt{Ra}$ IF IN DOUBT ASK
SHEET SIZE	B. AITKEN	REPLACES DRAWING	
A3	TITLE OF PROJECT	PROFILE NUMBER	



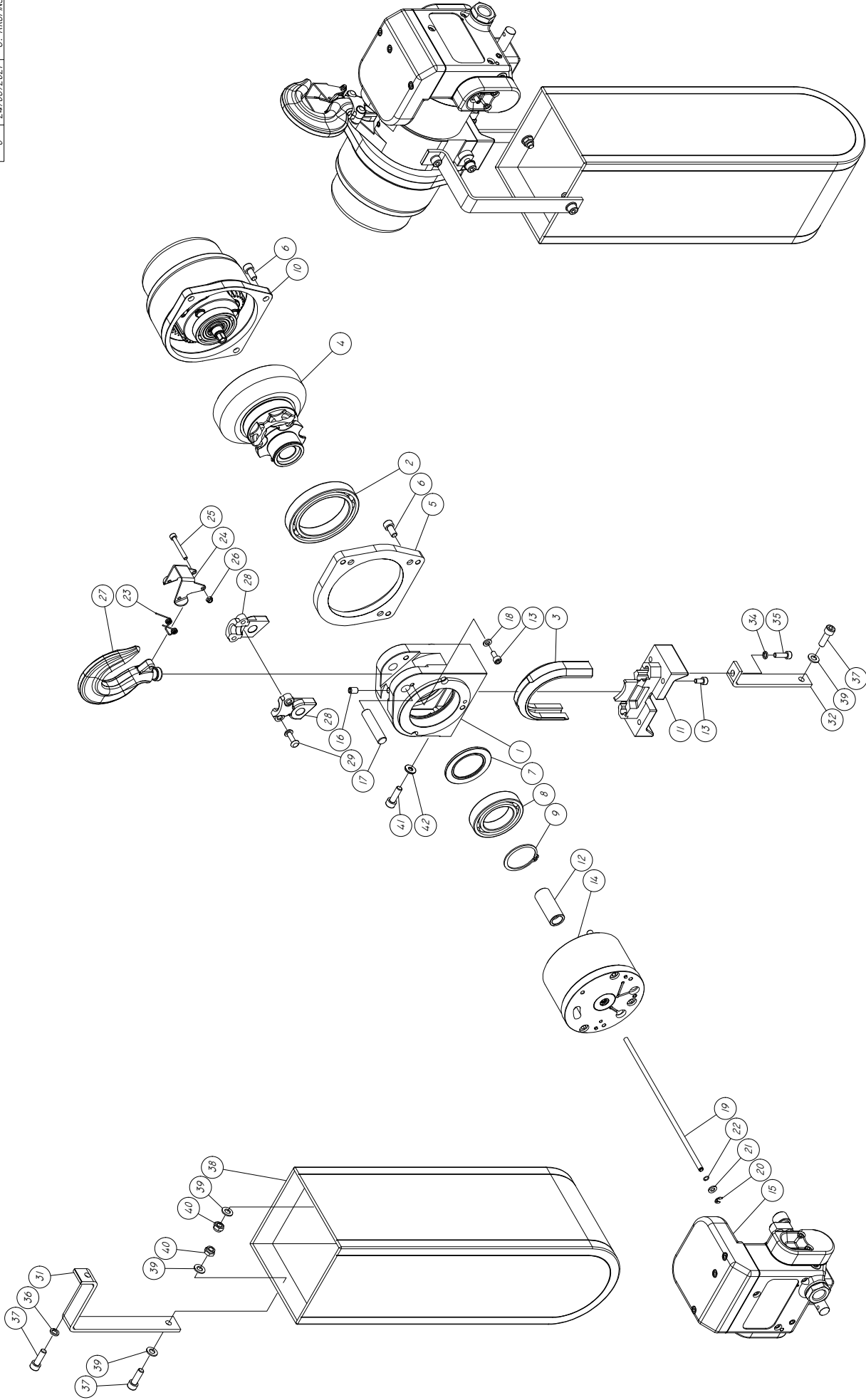
TCR-1000 DU - PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	426224212	WHEEL HOUSING	
2	1	13013015	BEARING 6915	
3	1	4262266351	CHAIN GUIDE	
4	1	4262266300	WHEEL	
5	1	4262266640	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	4262266360	CHAIN SEPARATOR	
12	1	426224220	COUPLING	
13	5	131706012	HEX SOCKET HEAD CAP SCREW M6X12	
14	1	TCR-1000_AM	AIR MOTOR	
15	1	TCR-1000_CV	CONTROL VALVE	
16	1	132108012	HEX SOCKET SET SCREW M8X20	
17	1	426224220	SLEEVE PIN	
18	1	426224150	WASHER	
19	1	426224381	BRANE TUBE	
20	1	130303005	RETAINING RING E-5	
21	1	130307006	WASHER M6	
22	1	131020014	O-RING S-6	
23	1	130602238	HOOK SPRING	
24	1	426224230	HOOK SET PIN	
25	1	130105035	HEX SOCKET HEAD CAP SCREW M5 X 35	
26	1	130105035	CHAIN M5	
27	1	426224150	UPPER HOOK	
28	2	426224150	HOOK END PIECE	
29	2	132206025	RIVET 6125	
41	1	131708025	HEX SOCKET HEAD CAP SCREW M8X25	
42	1	426226150	WASHER	

SCALE	MATERIAL	(IN DIMENSIONS)	TITLE OF PART	DRIVE UNIT	PART NUMBER
NTS					TCR-1000 DU
DESIGNED BY	SURNAME	DATE	SIGNATURE	DATE	2 / 8
O. MORGAN	O. MORGAN	22/12/2020		23/07/2021	UNLESS OTHERWISE SPECIFIED
DRAWN BY				REVISION	ALL DIMENSIONS IN MILLIMETERS
O. MORGAN	O. MORGAN	23/07/2021		0	LINEAR
CHECKED BY	W. MORRISON	26/07/2021		37.7 KG	OVER 10 mm ± 0.05
APPROVED BY	B. AITKEN	27/07/2021		REPLACES DRAWING	OVER 10 mm TO 50 mm ± 0.1
SHEET SIZE			TITLE OF PROJECT	PROFILE NUMBER	OVER 50 mm TO 100 mm ± 0.5
A3				-	OVER 100 mm ± 1
					ANGULAR ± 0.5°
					SURFACE ROUGHNESS
					IF IN DOUBT ASK

TCR-1000 DU c/w CHAIN COLLECTOR

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



SCALE	MATERIAL	TITLE OF PART	PART NUMBER
NTS		DRIVE UNIT	TCR-1000 DU 3 / 8
DESIGNED BY	SURNAME	DATE	DATE
O. MORGAN	O. MORGAN	22/12/2020	23/07/2021
DRAWN BY	SURNAME	DATE	REVISION
W. MORRISON	W. MORRISON	26/07/2021	0
CHECKED BY	SURNAME	DATE	REPLACES DRAWING
B. AITKEN	B. AITKEN	27/07/2021	-
APPROVED BY	SURNAME	DATE	PROFILE NUMBER
			-
SHEET SIZE	TITLE OF PROJECT		
A3			

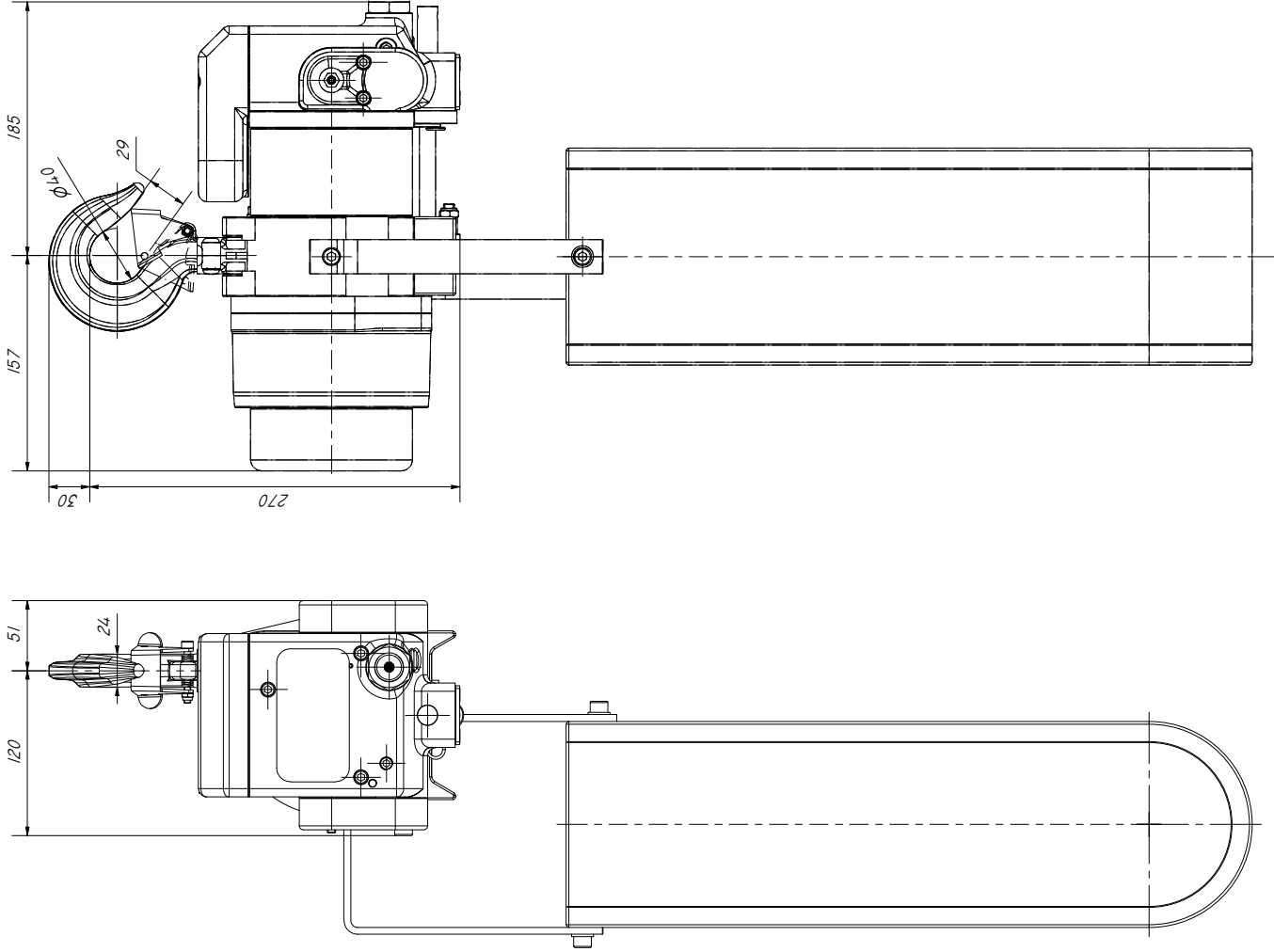


RED ROOSTER LIFTING
MADE IN AUSTRIA, THE RED ROOSTER LIFTING GROUP IS THE LEADING MANUFACTURER OF LIFTING EQUIPMENT IN AUSTRIA.
WWW.REDOOSTERLIFTING.COM

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN MILLIMETERS

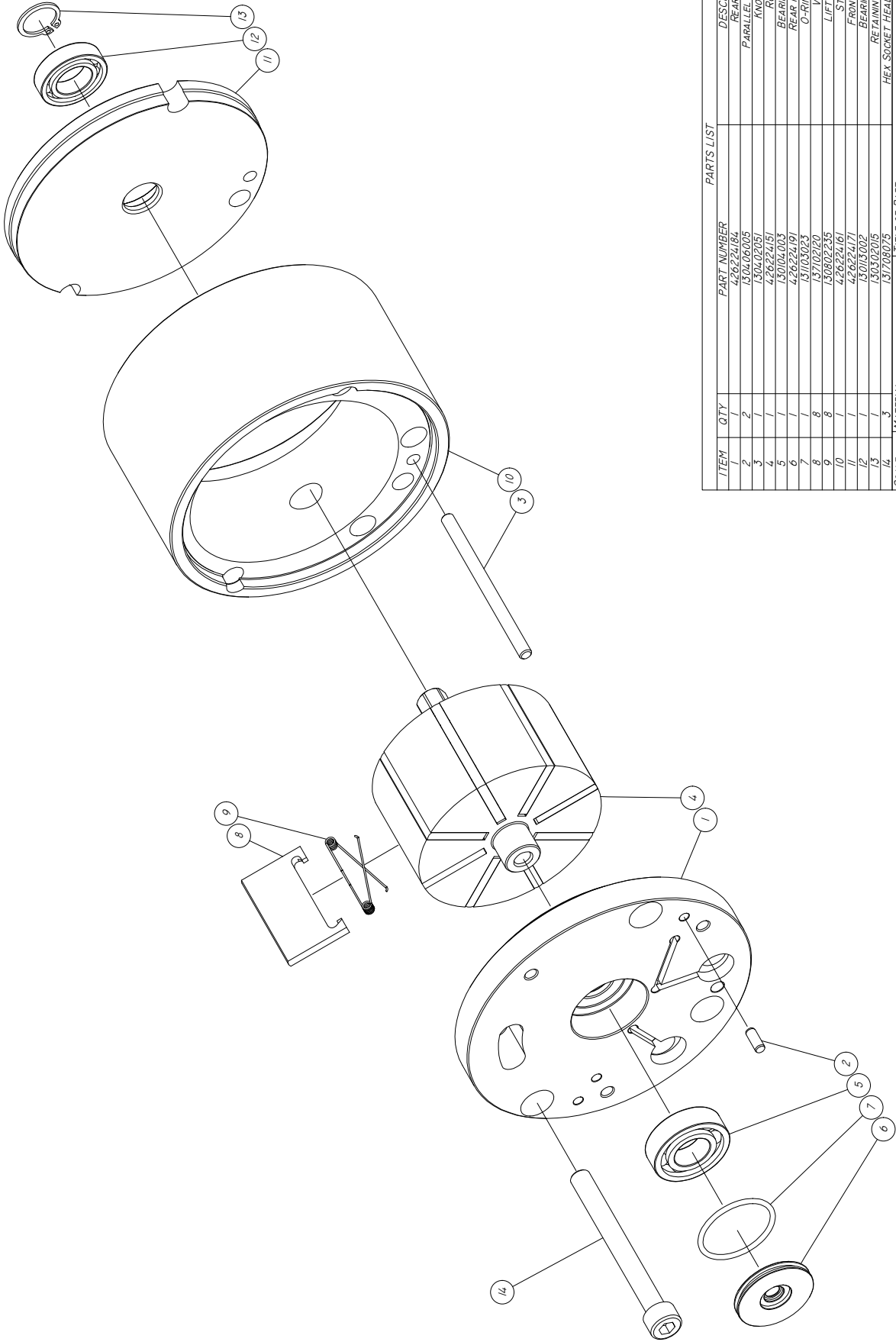
LINEAR
OVER 10 mm ± 0.05
OVER 10 mm TO 100 mm ± 0.1
OVER 100 mm TO 1000 mm ± 0.2
OVER 1000 mm TO 10000 mm ± 0.5

ANGULAR $\pm 0.5^\circ$
SURFACE ROUGHNESS $\sqrt{R}$
IF IN DOUBT ASK



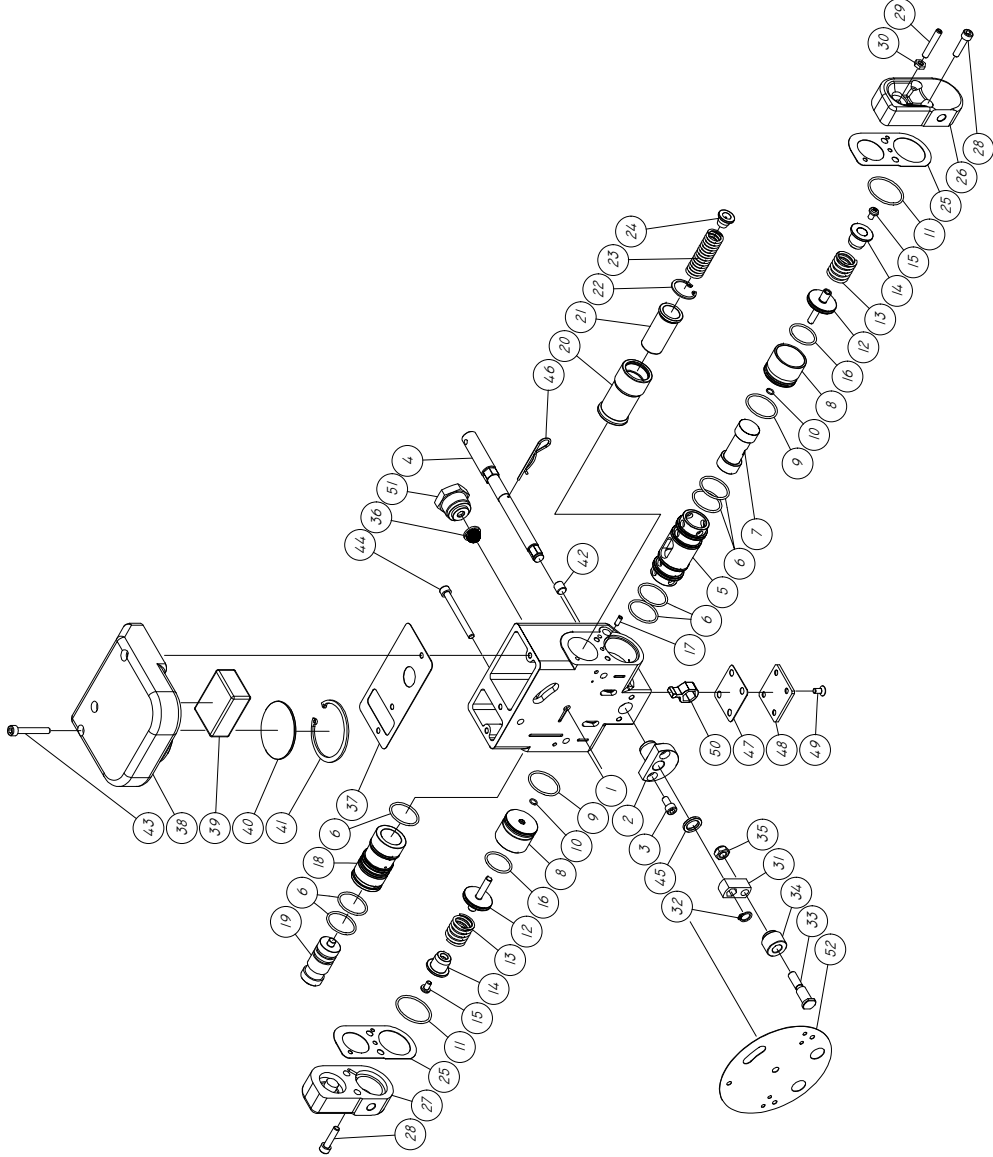
TCR-1000 DU C/W CHAIN COLLECTOR - PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	1	426224212	WHEEL HOUSING	
2	1	13013005	BEARING 6915	
3	1	426266351	CHAIN GUIDE	
4	1	426266300	WHEEL	
5	1	426266640	ADAPTER	
6	6	131708016	HEX SOCKET HEAD CAP SCREW M8x16	
7	1	426224230	SPACER	
8	1	130104010	BEARING 6009	
9	1	130302045	RETAINING RING S-4.5	
10	1	TCR-1000 GB	GEARBOX	
11	1	426266360	CHAIN SEPARATOR	
12	1	426224200	COUPLING	
13	5	131706012	AIR MOTOR	
14	1	TCR-1000 AM	HEX SOCKET HEAD CAP SCREW M6x12	
15	1	132108012	CONTROL VALVE	
16	1	426224250	SLEEVE PIN	
17	1	426224250	HEX SOCKET SET SCREW M8x20	
18	1	426224250	WASHER	
19	1	426224250	BRACKET	
20	1	130303005	RETAINING RING E-5	
21	1	131307006	WASHER M6	
22	1	13103004	O-RING S-6	
23	1	130802258	HOOK SPRING	
24	1	426224530	HOOK SAFETY CLAW	
25	1	1317055035	HEX SOCKET HEAD CAP SCREW M5 X 35	
26	1	134501005	U-NUT M5	
27	1	426261520	UPPER HOOK	
28	2	426224570	HOOK END PIECE	
29	2	133206025	RIVET 6x25	
30	1	TCR1000-BB-01	CHAIN COLLECTOR BRACKET	0
31	1	TCR1000-BB-02	CHAIN COLLECTOR BRACKET	0
32	1	DIN 912 - M6 X 20	SPRING WASHER	
33	1	DIN 912 - M8 X 25	SPRING WASHER	
34	1	DIN 980 - 6	CYLINDER HEAD CAP SCREW	
35	1	DIN 912 - M6 X 20	SPRING WASHER	
36	1	DIN 980 - 8	CYLINDER HEAD CAP SCREW	
37	3	DIN 912 - M8 X 25	CHAIN COLLECTOR 150X150X1500	0
38	1	DIN 912 - M6 X 20	SPRING WASHER	
39	4	DIN 912 - M6 X 20	CHAIN COLLECTOR 150X150X1500	
40	2	DIN 985 - 4	WASHER	
41	1	DIN 985 - 4	HEX NUT	
42	1	131708025	HEX SOCKET HEAD CAP SCREW M8x25	
43	1	426261550	WASHER	
SCALE		TITLE OF PART		PART NUMBER
4/2	1	426261550	DRIVE UNIT	TCR-1000 DU 4 / 8
NTS		DATE		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS
DESIGNED BY	SURNAME	DATE	SIGNATURE	LINEAR
DRAWN BY	O. MORGAN	22/12/2020		OVER 10 TO 1000 OVER 10 TO 1000 OVER 10 TO 1000 OVER 10 TO 1000 OVER 10 TO 1000
CHECKED BY	O. MORGAN	23/07/2021		ANGULAR 4:0.5 IF IN DOUBT ASK
APPROVED BY	W. MORRISON	26/07/2021		
SHEET SIZE	B. AITKEN	27/07/2021		
TITLE OF PROJECT		TITLE OF PROJECT		
A3		A3		

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



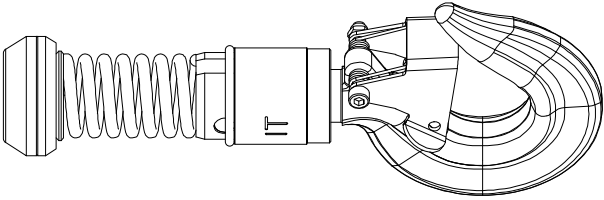
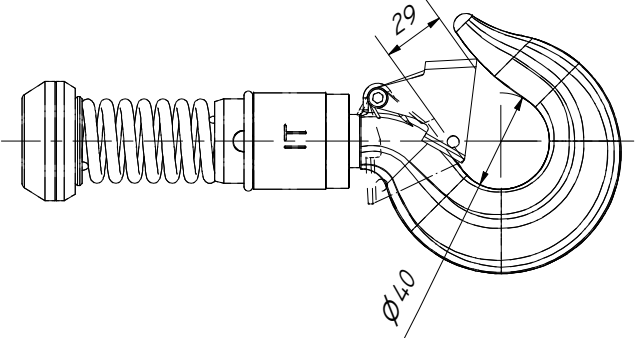
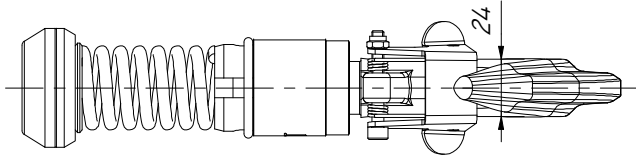
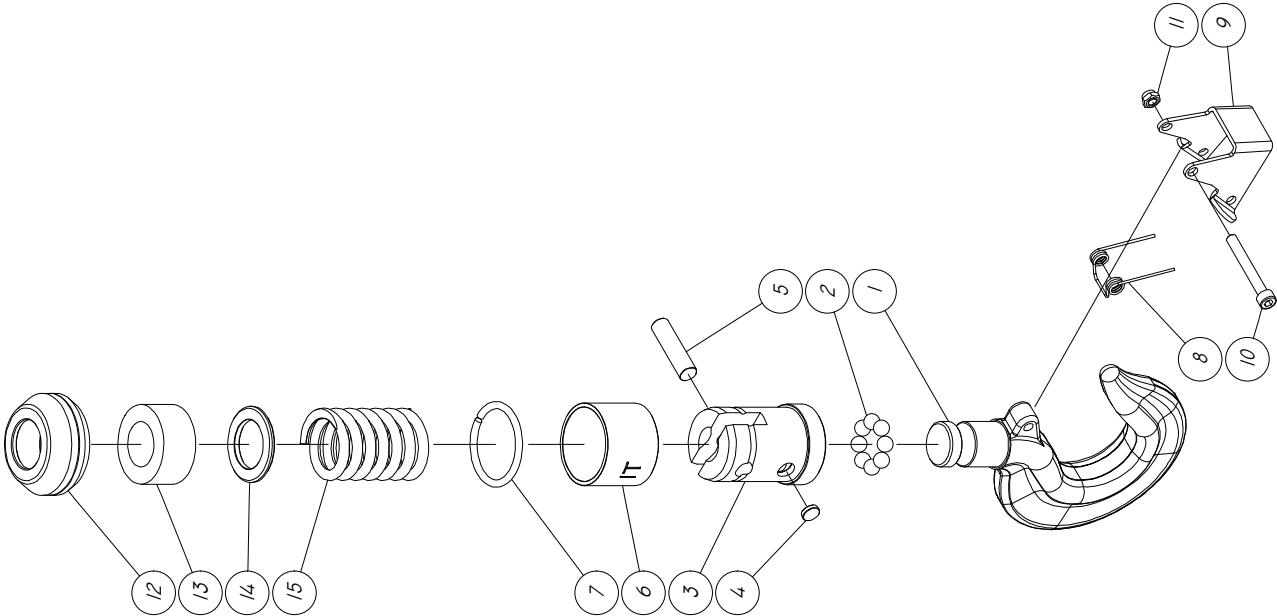
PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	426224184	REAR PLATE	
2	2	130406005	PARALLEL PIN 4X10 H7	
3	1	130402051	KNOCK PIN	
4	1	426224151	ROTOR	
5	1	130024003	BEARING 6002	
6	1	426224191	REAR RETAINER	
7	1	131030253	O-RING S-29	
8	8	137102120	VANE	
9	8	130802235	LIFT SPRING	
10	1	426224161	FRONT PLATE	
11	1	426224171	STATOR	
12	1	130130020	BEARING RING S-15	
13	1	130130015	RETAINING RING S-15	
14	3	131080735	HEX SOCKET HEAD CAP SCREW M8X75	
SCALE		TITLE OF PART		
NTS		AIR MOTOR		
DESIGNED BY		DATE		
O. MORGAN		21/12/2020		
DRAWN BY		16/03/2021		
CHECKED BY		17/03/2021		
APPROVED BY		18/03/2021		
SHEET SIZE		TITLE OF PROJECT		
A3		 RED ROOSTER LIFTING WE HAVE MADE THE RED ROOSTER LIFTING SYSTEM THE STANDARD FOR THE INDUSTRY AND ARE PROUD TO BE THE LEADER		
DATE				16/03/2021
REVISION				WEIGHT
0				5.2 KG
REPLACES DRAWING				-
PRIVATE NUMBER				-
SURFACE ROUGHNESS				ANGULAR 4.05°
IF IN DOUBT ASK				SURFACE FINISH
UNLESS OTHERWISE SPECIFIED				ALL DIMENSIONS ARE IN MILLIMETERS
TOLERANCES		LINEAR		
FRACTIONS		DECIMALS		
ANGLES		OTHER ANGLES TO BE SPECIFIED		
SURFACE FINISH		OTHER SURFACES TO BE SPECIFIED		
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REVISION HISTORY		
REV.	DATE	APPROVED
0	24/08/2021	G. KRUPINSKI



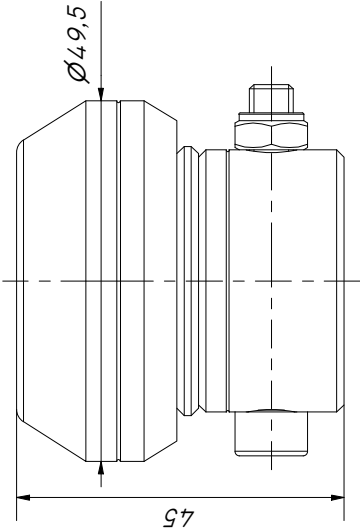
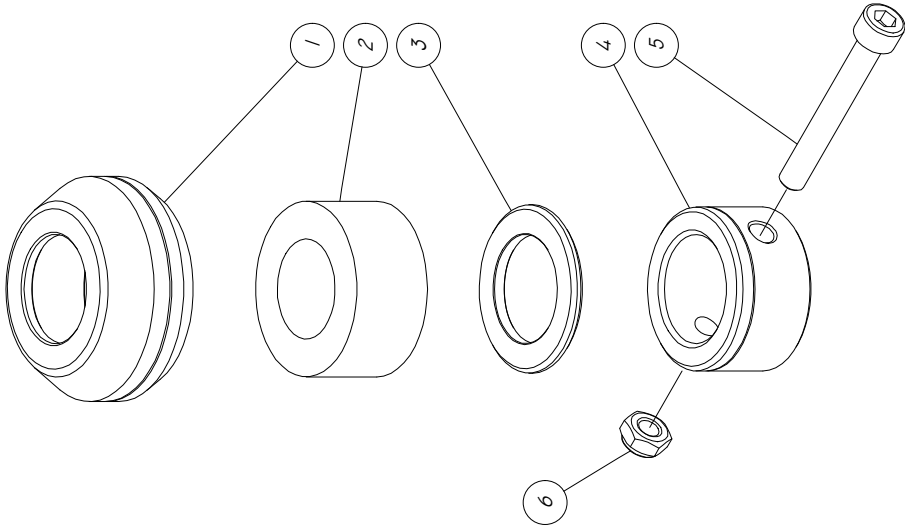
PARTS LIST					REV.
ITEM	QTY	PART NUMBER	DESCRIPTION		
1	1	426224063	VALVE BODY		
2	1	426224101	LIMIT GUIDE		
3	2	131706012	HEX SOCKET HEAD CAP SCREW M6X12		
4	1	426224460	LIMIT SHAFT		
5	1	426224460	MAIN BUSHING		
6	7	131703022	O-RING S-28		
7	1	426224013	MAIN SPOOL		
8	2	426224020	SPOOL CYLINDER		
9	2	131703024	O-RING S-30		
10	2	131703004	O-RING S-6		
11	2	131703027	O-RING S-34		
12	2	426224060	SPOOL PISTON		
13	2	130802217	SPRING 19.5X25X2.6		
14	2	426224070	SPRING SEAT		
15	2	132405008	PHILLIPS HEAD MACHINE SCREW M5X8		
16	2	131703021	O-RING S-26		
17	2	130604010	SPRING PIN 4X10		
18	1	426224040	BRATE BUSHING		
19	1	426224021	BRATE SPOOL		
20	1	426224010	LIMIT BUSHING		
21	1	426224010	BRATE PISTON		
22	1	130301025	RETAINING RING 25		
23	1	130802216	SPRING 16X19X2.4		
24	1	426224051	BRATE NUT		
25	2	136102164	SIDE PACKING (N)		
26	1	426224083	SIDE COVER (L)		
27	1	426224093	SIDE COVER (R)		
28	4	131706025	HEX SOCKET HEAD CAP SCREW M6X25		
29	1	132306035	HEX SOCKET HEAD SET SCREW M6X35		
30	1	134403006	HEX NUT M6		
31	1	426224110	CHAIN LEVER		
32	1	130302010	RETAINING RING S-10		
33	1	426224120	ROLLER SHAFT		
34	1	426224130	LIMIT ROLLER		
35	1	134501008	L-NUT M8		
36	1	136803032	1/2 NET SCREEN		
37	1	136102162	TOP PACKING		
38	1	426224070	TOP COVER		
39	1	137402031	NYLON SILENCER		
40	1	137402030	EXHAUST SILENCER		
41	1	130301058	RETAINING RING H-58		
42	4	134902003	HEX SOCKET PIPE PLUG 1/8		
43	3	137060440	HEX SOCKET HEAD CAP SCREW M6X40		
44	3	137060440	HEX SOCKET HEAD CAP SCREW M6X40		
45	1	426224060	WASHER		
46	1	130704016	SNAP PIN 1/2		
47	1	130101013	UNDER COVER		
48	1	426224070	UNDER COVER		
49	4	132803010	HEX FAT HEAD SCREW M5X10		
50	1	426224110	INLET BUSHING		
51	1	132703060	VALVE PACKING		
SCHEMATIC					
(IN DIMENSIONS)					
NTS	MATERIAL	TITLE OF PART	TITLE OF PROJECT	PART NUMBER	
CONTROL VALVE					TCR-1000 CV
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					LINEAR
					OVER 10 mm ± 0.051
					OVER 10 mm TO 100 mm ± 0.1
					OVER 100 mm TO 1000 mm ± 0.5
					OVER 1000 mm TO 10000 mm ± 1.0
					ANGULAR ± 0.5°
					SURFACE ROUGHNESS
					IF IN DOUBT ASK

REVISION HISTORY		
REV.	DATE	APPROVED
0	20/08/2021	G. KRUPINSKI

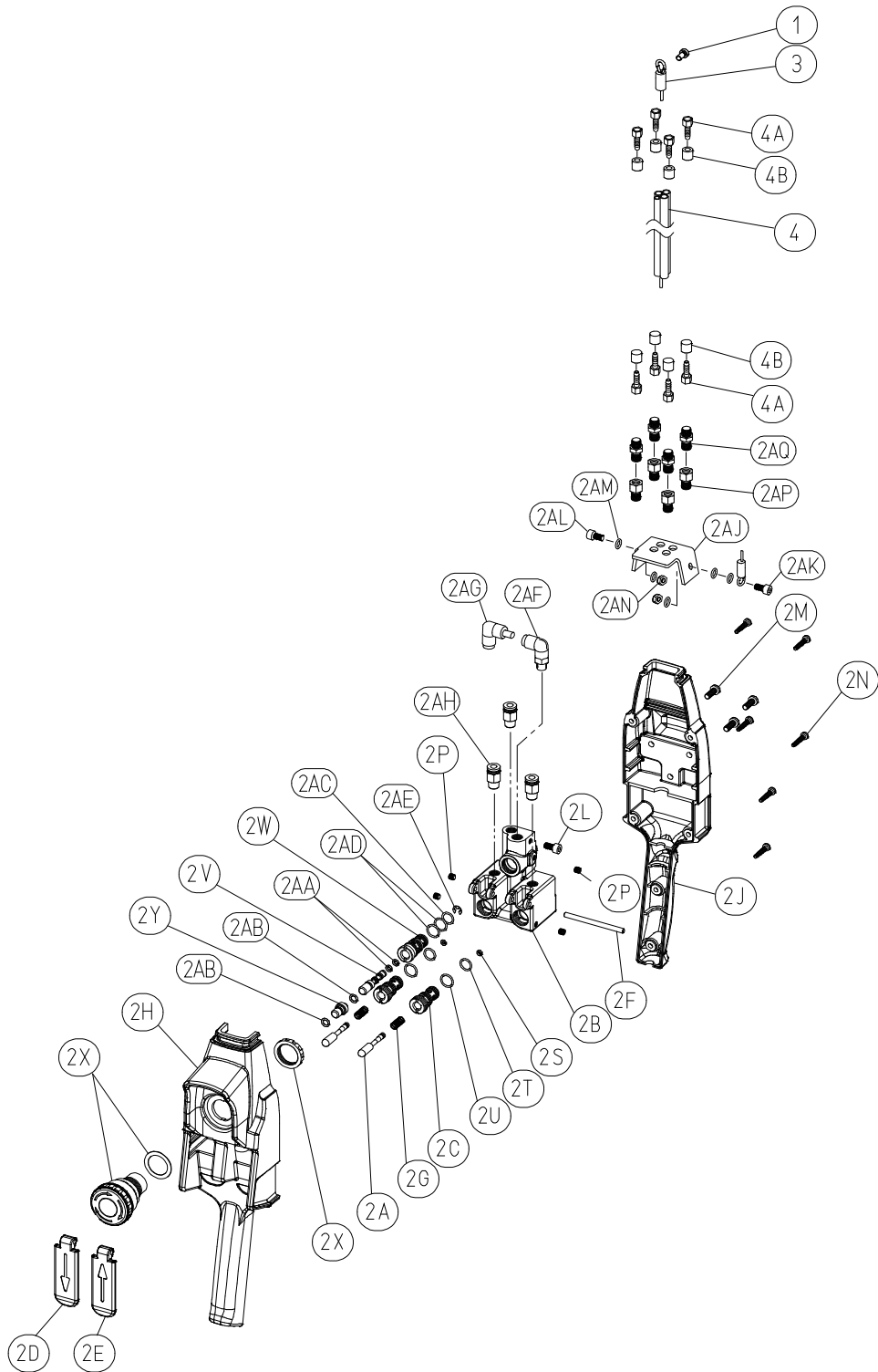


PARTS LIST					
ITEM	QTY	PART NUMBER	DESCRIPTION	REV.	
1	1	42622IS20	SWIVEL HOOK		
2	8	130502020	STEEL BALL 5/16		
3	1	42626IS80	UNDER HOOK HOLDER		
4	1	420846PY0	SWIVEL HOOK PLUG		
5	1	42626IT20	SLEEVE PIN		
6	1	426266760	SLEEVE		
7	1	130802259	LOCK RING		
8	1	130802258	HOOK SPRING		
9	1	42622IS30	HOOK SAFETY CLAW		
10	1	1317055035	HEX SOCKET HEAD CAP SCREW M5 x 35		
11	1	134501005	U-NUT M5		
12	1	426266450	LIMIT LOCK		
13	1	136206003	SHOCK ABSORBER		
14	1	426266C80	LIMIT WASHER		
15	1	130802219	SPRING 30X55X5		
SCALE	MATERIAL	TITLE OF PART		PART NUMBER	
NTS		BOTTOM BLOCK		TCR-1000 BB	
DESIGNED BY	SURNAME	DATE	DATE	1 / 1	
DRAWN BY	O. MORGAN	18/06/2021	23/07/2021		
CHECKED BY	O. MORGAN	23/07/2021	26/07/2021		
APPROVED BY	W. MORRISON	26/07/2021	27/07/2021		
SHEET SIZE	B. AITKEN	27/07/2021			
A4		TITLE OF PROJECT			
					
		RED ROOSTER LIFTING NAILITA HOUSE, THE HEADQUARTERS OLD GLENN, ABERDEENSHIRE, AB11 6ZZ MAIN FAX: +44(0)1463 822948 WWW.REDOOSTERLIFTING.CO.UK			
		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS			
		TOLERANCES			
		LINEAR			
		UP TO 5 ±0.05			
		OVER 5 UP TO 30 ±0.1			
		OVER 30 UP TO 50 ±0.25			
		OVER 50 UP TO 100 ±0.5			
		OVER 100 ±1			
		ANGULAR ±0.5°			
		SURFACE ROUGHNESS			
		IF IN DOUBT ASK			

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



PARTS LIST				SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
ITEM	QTY	PART NUMBER	DESCRIPTION	REV.	NTS	SURNAME	DATE	SIGNATURE	DEAD END ANCHOR	TCR-1000 DEA	1 / 1
1	1	426266450	LIMIT LOCK			O. MORGAN	18/06/2021		 RED ROOSTER LIFTING NUTLIFTSOURCE THE HEAVENS OLDWELSHOLM, LARBERSBURGH, 1881 8EZ TEL: 44(0)16451 87201 MAIN FAX: 44(0)16451 87208 WWW.REDROOSTERLIFTING.COM	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS	
2	1	136206003	SHOCK ABSORBER			O. MORGAN	23/07/2021			DATE 23/07/2021	LINEAR UP TO 5 ± 0.05 OVER 5 UP TO 50 ± 0.1 OVER 50 UP TO 120 ± 0.2 OVER 120 UP TO 200 ± 0.3 OVER 200 UP TO 500 ± 0.5 OVER 500 UP TO 1000 ± 0.5 OVER 1000 ± 1
3	1	426266C80	LIMIT WASHER			W. MORRISON	26/07/2021			REVISION WEIGHT 0 0.2 KG	ANGULAR $\pm 0.5^\circ$
4	1	426266390	END STOPPER			B. AITKEN	27/07/2021			REPLACES DRAWING -	SURFACE ROUGHNESS $\nabla 10$
5	1	426224680	END BOLT			TITLE OF PROJECT				PROFILE NUMBER -	IF IN DOUBT ASK
6	1	134501006	U-NUT M6		A4						

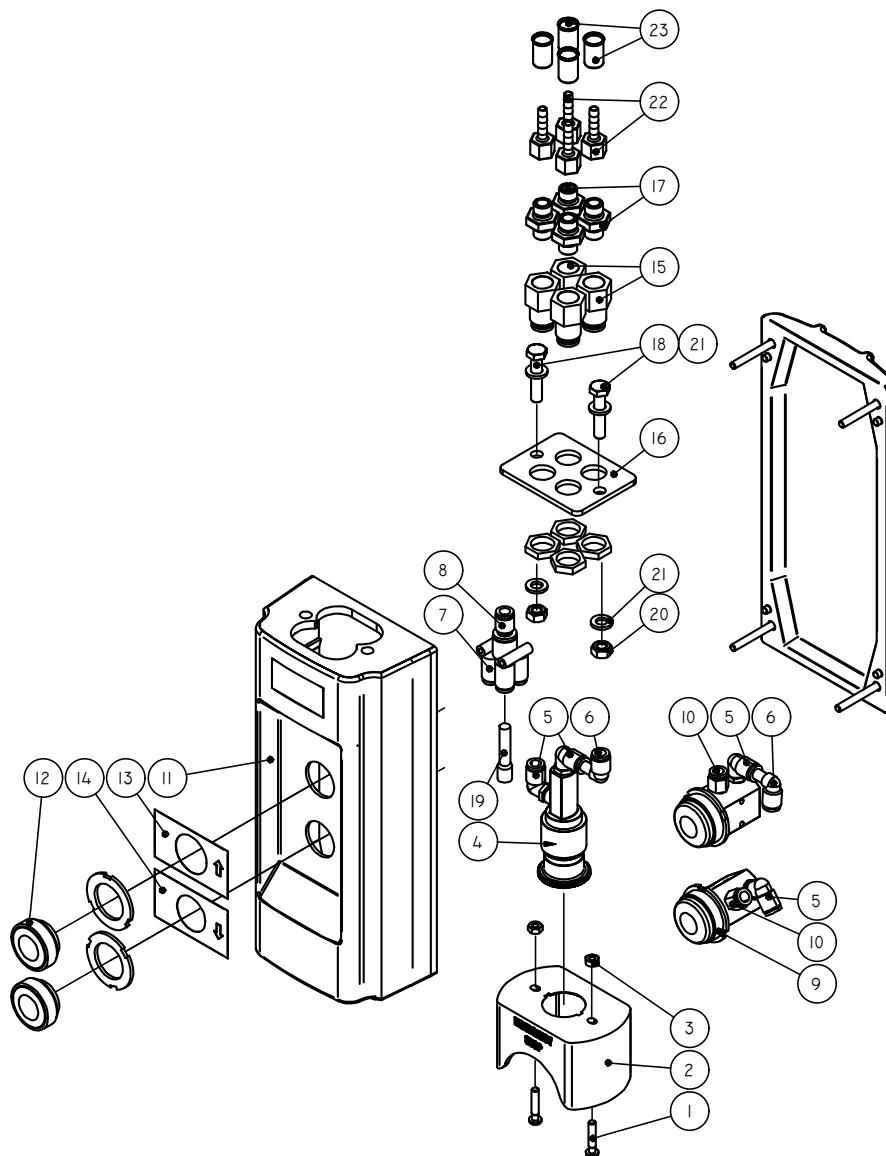




RED ROOSTER LIFTING

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