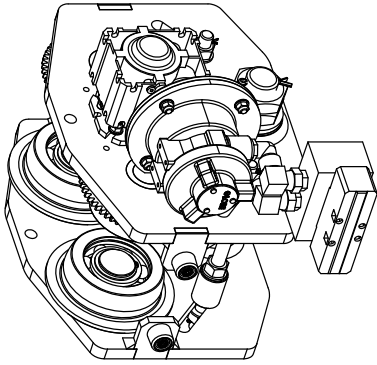
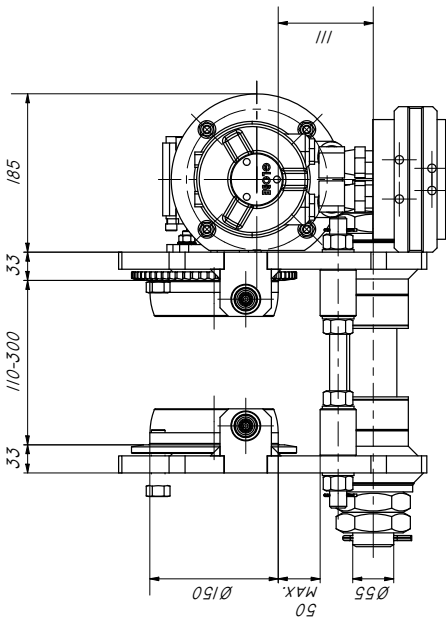
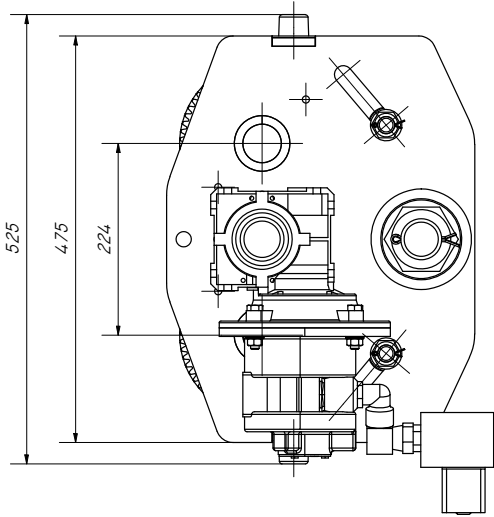
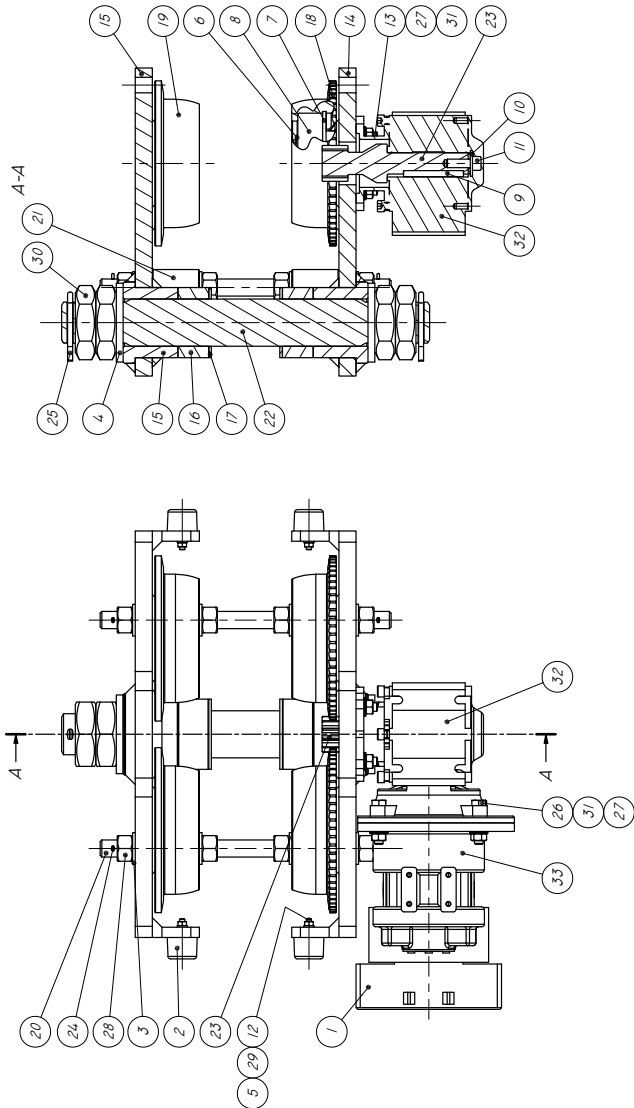


REVISION HISTORY		
REV.	DATE	APPROVED
0		

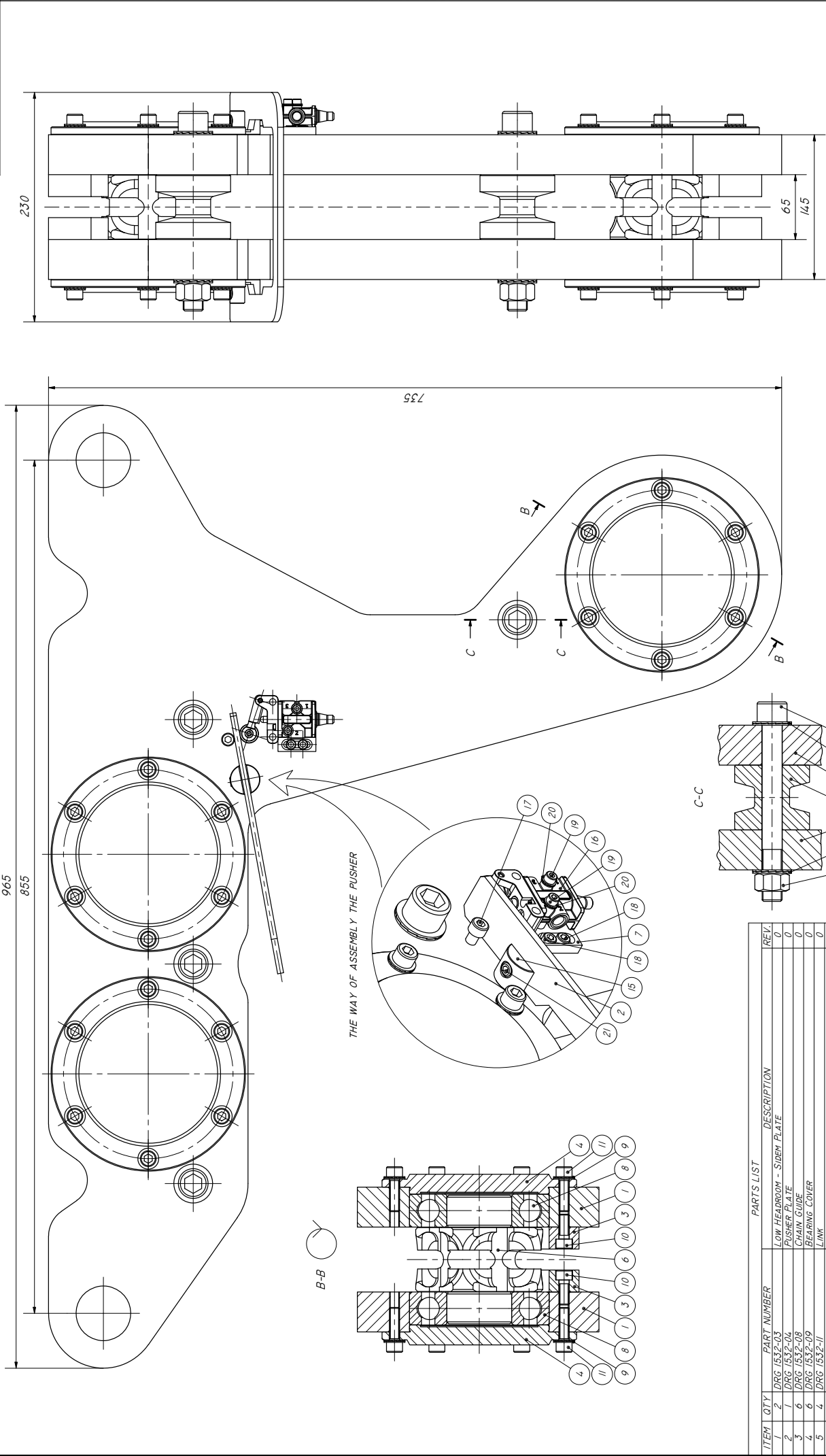


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1		PILOT VALVE AND SILENCERS
2	4		BUFFER
3	8	DIN 125 - A 21	WASHER
4	2	DIN 123 - A 40	WASHER
5	4	DIN 123 - A 64	WASHER
6	4	DIN 422 - 32 X 4	SPRING RETAINING RING
7	4	DIN 422 - 32 X 4	SPRING RETAINING RING
8	4	DIN 625 SKF - SKF 6311-22	DEEP GROOVE BALL BEARINGS SINGLE ROW WITH TWO Z SHELDS
9	1	DIN 6885 - 4.8 X 7 X 70	PARALLEL KEY
10	1	DIN 9021 - 10.5	WASHER
11	1	DIN 912 - M10 X 30	CYLINDER HEAD CAP SCREW
12	4	DIN 912 - M6 X 4.0	CYLINDER HEAD CAP SCREW
13	4	DIN 913 - M10 X 4.0	HEXAGON SOCKET SET SCREW
14	1	DRG 1503-02	MOTOR PLATE
15	1	DRG 1503-03	SIDE PLATE
16	DEPENDS ON THE FLANGE	DRG 1503-09	SPACER
17	DEPENDS ON THE FLANGE	DRG 1503-10	SPACER WASHER
18	2	DRG 1503-11	GEAR WHEEL
19	2	DRG 1503-12	PLAIN WHEEL
20	2	DRG 1503-13	TIE ROD
21	4	DRG 1503-14	ANTI TIP ROLLER
22	1	DRG 1503-15 OR DRG 1503-16 OR DRG 1503-17	LOAD BAR (RANGE I - FLANGE 100-180MM) LOAD BAR (RANGE II - FLANGE 180-240MM) LOAD BAR (RANGE III - FLANGE 240-300MM)
23	1	DRG 1503-18 OR DRG 1503-19	PINION SHAFT (FOR GEARBOX BONFIGLIOLI) PINION SHAFT (FOR GEARBOX FENNER)
24	4	ISO 1236 - 3.2 X 28	SPLIT PIN
25	2	ISO 1236 - 6.3 X 63	SPLIT PIN
26	4	ISO 4016 - M10 X 4.5	SCREW
27	8	ISO 4032 - M10	HEX NUT
28	8	ISO 4032 - M20	HEX NUT
29	4	ISO 4032 - M6	HEX NUT
30	4	ISO 4032 - M4.8	HEX NUT
31	8	SK1503-AFH-IEC-80-2G (RATIO 30-1) R	NON-LOCK WASHER LARGE DIAMETER GLUED PAIR
32	1	VS6C	NON-LOCK WASHER LARGE DIAMETER GLUED PAIR
33	1		AIR MOTOR- GLOBE



TITLE OF PART		TITLE OF PROJECT	
10TE AIR TROLLEY (AT10S)		10TE HOIST AND TROLLEY	
SCALE	MATERIAL	SUBNAME	DATE
1:6		TOMASZ	19/04/2013
DESIGNED BY		E. CRICHTON	29/01/2018
DRAWN BY		B. AITREN	
CHECKED BY			
APPROVED BY			
SHEET SIZE	A3	TITLE OF PROJECT	
PART NUMBER		DATE	REVISION
DRG 1503D-01		29/01/2018	0
UNLESS OTHERWISE SPECIFIED		REVISION WEIGHT	0 104.1 KG
ALL DIMENSIONS ARE IN MILLIMETERS		REPLACES DRAWING	
TOLERANCES		PROFILE NUMBER	
FRACTIONS			
UP TO & 2.005			
OVER 2.005 UP TO 5.005			
OVER 5.005 UP TO 10.005			
OVER 10.005 UP TO 100.005			
OVER 100.005 UP TO 1000.005			
ANGULAR 0.5°			
SURFACE FINISHNESS			
IF IN DOUBT ASK			

REVISION HISTORY		
REV.	DATE	APPROVED
0		



ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	2	DRG 1532-03	LOW HEADROOM - SIDEM PLATE	0
2	1	DRG 1532-04	PUSHER PLATE	0
3	6	DRG 1532-08	CHAIN GUIDE	0
4	6	DRG 1532-09	BEARING COVER	0
5	4	DRG 1532-11	LINK	0
6	3	DRG 1215-01	PICKET IDLER WHEEL 16X45 CHAIN	4
7	1	DRG 1525-20	MOUNTING PLATE FOR LIMIT SWITCH	0
8	6	DIN 625 SKF - SKF 6313-2Z	DEEP GROOVE BALL BEARINGS SINGLE ROW WITH TWO Z SHIELDS SKF	0
9	36	IN 10SP	M10 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR	0
10	12	DIN 912 - M10 x 25	CYLINDER HEAD CAP SCREW	0
11	36	DIN 912 - M10 x 35	CYLINDER HEAD CAP SCREW	0
12	8	IN 20SP	M20 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR	0
13	4	ISO 4032 - M20	HEX NUT	0
14	4	DIN 912 - M20 x 180	CYLINDER HEAD CAP SCREW	0
15	2	DRG 1530-04	PUSHER SUB AXLE	0
16	1	10310293 02	LIMIT SWITCH	0
17	1	DIN 912 - M8 x 35	CYLINDER HEAD CAP SCREW	0
18	2	DIN 912 - M8 x 12	CYLINDER HEAD CAP SCREW	0
19	2	DIN 912 - M5 x 30	CYLINDER HEAD CAP SCREW	0
20	2	IN 38P	M15 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR	0
21	2	DIN 913 - M10 x 12	HEXAGON SOCKET SET SCREW	0

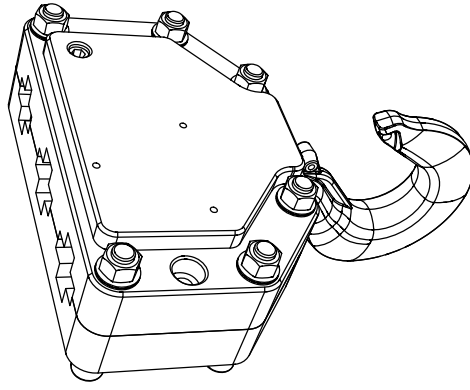
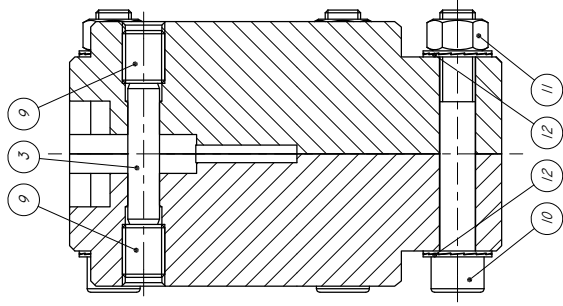
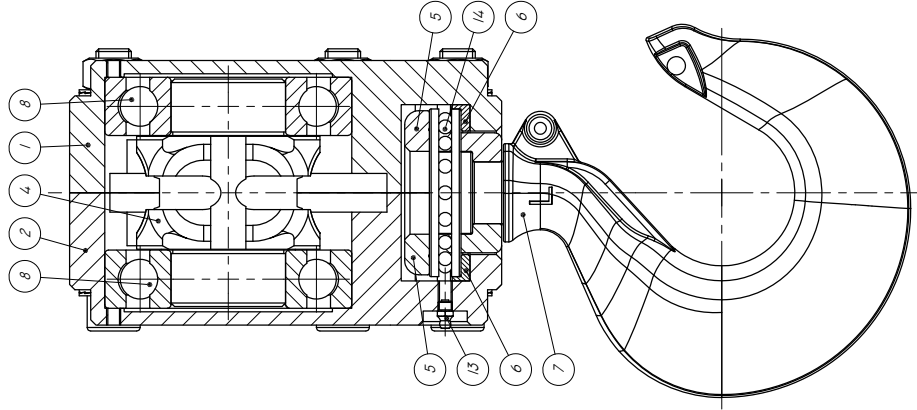
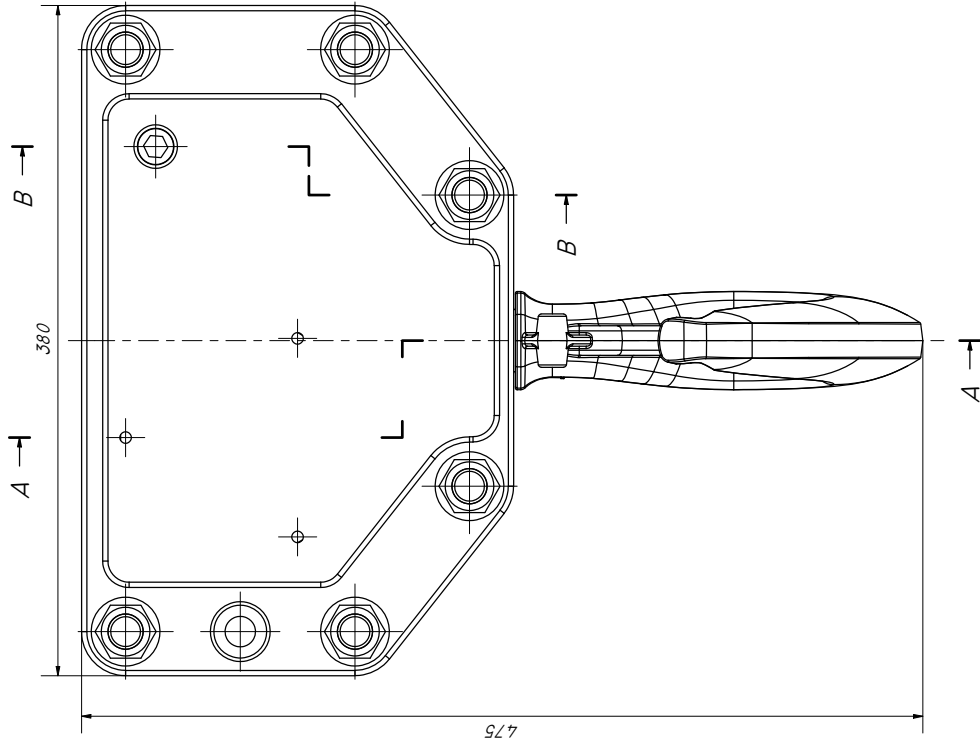
SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
1:3.5				LOW HEADROOM FRAME		DRG 1532D-01	
DESIGNED BY		DATE		DATE		REVISION	
T. MIKOLAJEWSKI		24/07/2014		08/02/2018		0	
DRAWN BY		DATE		REVISION		WEIGHT	
E. CRICHTON		08/02/2018		0		196.0 KG	
CHECKED BY		DATE		REPLACES DRAWING		PROFILE NUMBER	
B. AITREN							
APPROVED BY		DATE		TITLE OF PROJECT			
				15TE LOW HEADROOM			
SHEET SIZE		DATE					
A3							



UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN MILLIMETERS
TOLERANCES
FRACTIONS
UP TO 4 ±0.05
OVER 4 TO 30 ±0.1
OVER 30 TO 100 ±0.15
OVER 100 TO 300 ±0.2
OVER 300 TO 1000 ±0.3
ANGULAR ± 0.5°
SURFACE FINISHNESS $\sqrt{R}$
IF IN DOUBT ASK

REVISION HISTORY		
REV.	DATE	APPROVED
0		

B-B



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	DRG 1532-05	BOTTOM BLOCK - HALF I
2	1	DRG 1532-06	BOTTOM BLOCK - HALF II
3	1	DRG 1532-12	CHAIN PIN
4	1	DRG 1215-01	POCKET IDLER WHEEL 16X4.5 CHAIN
5	2	DRG 1528-17	HOOKE THRUST RING
6	2	DRG 1528-18	BEARING WASHER
7	1	DRG 1528-19	HOOKE
8	2	10N 625 SKF - SKF 6313-2Z	DEEP GROOVE BALL BEARINGS SINGLE ROW WITH TWO Z SHIELDS SKF
9	2	10N 913 - M24 X 30	HEXAGON SOCKET SET SCREW
10	6	10N 912 - M20 X 140	CYLINDER HEAD CAP SCREW
11	6	ISO 4032 - M20	HEX NUT
12	12	NL 20 SP	M20 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR
13	1	10N 714/2 - AM8 X 1 CONED SHORT	LUBRICATING NIPPLE CONED TYPE A
14	1	10N 711 - 511/14 - 70 X 95 X 18	THRUST BALL BEARING
SCALE		MATERIAL	
1:3		TITLE OF PART	
		BOTTOM BLOCK	
		DRG 1532D-02 1 / 1	
DESIGNED BY		T. MUKOLAJENSKI	
DRAWN BY		E. CRISTON	
CHECKED BY			
APPROVED BY		B. AITKEN	
SHEET SIZE		A3	
		TITLE OF PROJECT	
		15TF / 10M HEADROOM	
			
		UNLESS OTHERWISE SPECIFIED	
		ALL DIMENSIONS ARE IN MILLIMETERS	
		TOLERANCES	
		LINEAR	
		UP TO 6 ± 0.05	
		6 TO 16 ± 0.1	
		16 TO 100 ± 0.2	
		100 TO 1000 ± 0.3	
		OVER 1000 ± 0.5	
		ANGULAR ± 0.5°	
		SURFACE ROUGHNESS Ra	
		PROFILE NUMBER	
		DATE	
		27/02/2018	
		REVISION	
		0	
		WEIGHT	
		84.9 KG	
		REPLACES DRAWING	



10.11.19

This diagram illustrates the exploded view of a mechanical assembly, likely a pump or motor component. The parts are numbered as follows:

- Top Section (Left):** 73, 91, 90, 89, 87, 88, 83, 81, 82, 71, 79, 77, 76, 75, 72, 70, 74, 108, 105, 103, 104, 232, 102, 233, 234, 230, 231, 80.
- Top Section (Right):** 38, 304, 300, 302, 303, 301, 97, 95, 96, 93, 94, 92, 314, 312, 311, 316, 320, 315, 317, 310, 318, 309, 313, 319, 305, 307, 308, 306, 315.
- Middle Section (Left):** 110, 130, 129, 127, 126, 131, 128, 132, 124, 125, 120, 119, 122, 121, 123, 118, 124, 113, 112, 114, 116, 117, 115, 111, 138, 139, 134, 137, 140, 141, 136.
- Middle Section (Right):** 167, 156, 175, 155, 148, 153, 152, 146, 147, 145, 150, 173, 174, 180, 181, 179, 182, 154, 160, 177, 174, 178, 176, 157, 159, 158, 151, 149.

Fig. No.	Part Number	Part Name	Parts Per Hoist
070	426301K70	FRONT PLATE	1
071	130106008	BEARING 6007ZZ	2
072	426301K40	ROTOR	1
073	130302020	RETAINING RING S-20	1
074	130302035	RETAINING RING S-35	1
075	130408110	BRAKE WHEEL KEY	1
076	137102012	VANE	8
077	426301K50	CYLINDER	1
078	426301K20	REAR PLATE	1
079	130402008	CYLINDER KNOCK	1
080	426307K80	CASE	1
081	426307N30	MOTOR COVER	1
082	131103063	O-RING S-135	1
083	131103064	O-RING S-140	1
084	426301W30	BRAKE VALVE	2
085	131103007	O-RING S-9	2
086	130802272	BRAKE VALVE SPRING	2
087	426301W80	BRAKE SHIFTER (M)	1
088	130116011	BEARING 16011	2
089	426301P30	BRAKE DISC	1
090	130802273	SHIFTER SPRING	1
091	426301W70	SHIFTER SPRING SEAT	1
092	426301W90	BRAKE SHIFTER(S)	1
093	426301Q70	BRAKE PISTON	1
094	131101077	O-RING P-130	1
095	130802274	BRAKE SPRING(S)	1
096	130802275	BRAKE SPRINGS (L)	1
097	426301B70	BRAKE SPRING SEAT	1
098	426307P20	BRAKE CASE	1
099	132310035	HEX SOCKET SET SCREW M10X35	1
100	426301Q90	HEX NUT M10	1
101	131710085	HEX SOCKET HEAD CAP SCREW M10X85	4
102	426303AU1	EXHAUST PLATE	1
103	426301Q61	EXHAUST COVER	1
104	137402052	SILENCER (SL)	1
105	131706014	HEX SOCKET HEAD CAP SCREW M6X14	4
107	131103004	O-RING S-6	2
108	131101004	O-RING P-6	2
110	426301L20	COUPLING	1
111	426301L30	PINION	1
112	426301L80	FIRST IDLE GEAR	3
113	130131220	NEEDLE BEARING TA1220	3
114	426301M10	FIRST FRAME	1
115	130104011	BEARING 6010	3
116	426301M20	FIRST IDLE GEAR SHAFT	3
117	426301L90	FIRST INTERNAL GEAR	1
118	426301L50	CONED DISC SPRING	1
119	426301M40	SECOND IDLE GEAR	3

Fig. No.	Part Number	Part Name	Parts Per Hoist
120	130132520	NEEDLE BEARING TA2520	3
121	426301M70	SECOND FRAME	1
122	426301M50	SECOND IDLE GEAR SHAFT	3
123	426301M60	SECOND INTERNAL GEAR	1
124	130116024	BEARING 16024	2
125	426301K60	INTERNAL GEAR SPACER	1
126	426301N40	THIRD IDLE GEAR	3
127	130132530	NEEDLE BEARING TA2530	3
128	426301N70	THIRD FRAME	1
129	130106003	BEARING 6002ZZ	1
130	130301032	RETAINING RING H-32	1
131	426301N50	THIRD IDLE GEAR SHAFT	3
132	426301N60	THIRD INTERNAL GEAR	1
133	426301N80	GEAR CASE	1
134	130608020	SPRING PIN 8X20	6
136	133001110	RIVET NO 0X3.2	4
137	426301N20	GEAR COVER	1
138	130107003	BEARING 6202	1
139	131117166	O-RING AS568-166	1
140	131710025	HEX SOCKET HEAD CAP SCREW M10X25	6
141	137301033	NAME PLATE 10 TON	1
145	426301R20	LOAD SHEAVE	1
146	426301R30	CHAIN GUIDE	1
147	130115015	BEARING 6215DDU	1
148	131103063	O-RING S-135	1
149	426301U80	CHAIN GUIDE COVER	1
150	130115215	BEARING 6215DDU	1
151	426301L60	KNOCK PIN	3
152	426303R40	CHAIN SEPARATOR	1
153	426301U40	CHAIN SEPARATOR PIN	1
154	426303C60	MIDDLE PLATE (G)	1
155	426303C71	MIDDLE PLATE (M)	1
156	131716170	HEX SOCKET HEAD CAP SCREW M16X170	5
157	131310016	SPRING WASHER M16	5
158	134401016	HEX NUT M16	5
160	426303AC0	LIMIT LEVER D	1
167	426303AG0	HANGER PIN	2
168	426303R50	WASHER	2
169	134501016	U-NUT M16	2
170	131301016	SPRING WASHER M16	2
172	426303X40	CHAIN SET PLATE	1
173	426301X50	CHAIN SET PLATE SHAFT	2
174	130705035	SPLIT PIN 5X35	3
175	131710130	HEX SOCKET HEAD CAP SCREW M10X130	1
176	134501010	U-NUT M10	1
177	131307010	PLAIN WASHER M10	1
178	426303X60	CHAIN SET SPINDLE	1

Hoist Body - TNC-15/3-LHR

10.11.19

D01-AHT33 REV0

Fig. No.	Part Number	Part Name	Parts Per Hoist
179	426301X70	CHAIN END CONNECTOR	1
180	426301X80	CHAIN END PIN	1
181	130704032	SPLIT PIN 4X32	1
182	AHC16/80	CHAIN 16 x 45 mm	HOL
210	134415010	DOMED CAP NUT M10	1
230	426303AW0	SCREW GUIDE	1
231	131706225	HEX SOCKET HEAD CAP SCREW M6X25 (SUS)	1
232	134501006	U-NUT M6	1
233	137402053	SILENCER (C)	2
234	137402054	SILENCER (F)	1
300	426307AL0	CHAMBER CAP	1
301	131706014	HEX SOCKET HEAD CAP SCREW M6X14	4
302	131103063	O-RING S-135	1
303	131103051	O-RING S-85	1
304	131103005	O-RING S-7	5
305	426307AM0	VALVE BOX	1
306	426307AN0	LIMIT SPOOL	1
307	426307AP0	LIMIT SPOOL BUSHING	1
308	426307AQ0	BOX COVER	1
309	426307AR0	LIMIT RETAINER	1
310	426307AS0	ADJUST COVER	1
311	426307Z50	SPRING SEAT	1
312	130802276	SPRING 13X64X2	1
313	136102170	LIMIT GASKET	1
314	131705040	HEX SOCKET HEAD CAP SCREW M5X40	4
315	131705014	HEX SOCKET HEAD CAP SCREW M5X14	8
316	132306025	HEX SOCKET SET SCREW M6X25	1
317	134403006	HEX NUT M6	1
318	131103022	O-RING S-28	6
319	130406005	PARALLEL PIN 4X10 (H7)	3
320	130301032	RETAINING RING H-32	1



13.05.21

This diagram is an exploded view of a mechanical assembly, likely a pump or motor component. It shows the following parts and their assembly relationships:

- Base and Housing:** Part 1 is the main base. Part 2 is a cover plate that fits onto the base. Part 3 is a gasket or seal between the base and cover. Part 4 is a mounting bracket or flange.
- Internal Components:** Part 5 is a long shaft or rod. Part 6 is a piston or plunger. Part 7 is a connecting rod. Part 8 is a crankshaft. Part 9 is a flywheel or pulley. Part 10 is a bearing or support.
- Valves and Seals:** Part 11 is a valve. Part 12 is a valve seat. Part 13 is a valve spring. Part 14 is a valve guide. Part 15 is a valve stem. Part 16 is a valve cover. Part 17 is a valve seal.
- Fasteners and Hardware:** Numerous screws (e.g., 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67) and washers (e.g., 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67) are shown for assembly.

Built-In Mains Emergency Stop Valve Pendant Body - TNC-15/3-LHR
13.05.21

D01-AHT33 REV0

Fig. No.	Part Number	Part Name	Parts Per Hoist
001A	426305J90	METAL BUSH	1
001B	130212012	DU BUSH	1
001C	131101012	O-RING P-12	1
002	131103035	O-RING S-44	1
003	131705012	HEX SOCKET HEAD CAP CREW M5X12	4
004	426307A50	VALVE BODY	1
005	131151015	O-RING P-15	1
006	426301A60	VALVE BUSH	1
007	426301A70	THROTTLE VALVE	1
009	426301J80	VALVE SHAFT LEVER	1
010	136102097	VALVE BODY PACKING	1
011	131708025	HEX SOCKET HEAD CAP SCREW M8X25	4
012	130802270	THROTTLE VALVE SPRING (S)	2
013	426301G20	SPRING GUIDE (S)	2
014	130307011	CIR-CLIP WR-11 (SW-11)	2
015	426301R80	SPRING THRUST PLATE	2
016	426301F80	PISTON	2
017	131151028	O-RING P-29	2
018	426301B30	VALVE CAP	2
019	131103033	O-RING S-40	2
020	131151006	O-RING P-8	2
021	131706020	HEX SOCKET HEAD CAP SCREW M6X20	8
022	426301C80	CAP COVER	2
023	131103026	O-RING S-32	2
024	130802271	THROTTLE VALVE SPRING (L)	2
025	426301B50	SPRING SEAT	2
026	426301B60	CAP COVER	2
027	136102095	DICE READ	2
028	134402006	HEX NUT M6	2
029	131705035	HEX SOCKET HEAD CAP SCREW M5X35	8
030	426221G50	ELEMENT HOLDER	2
031	136302010	ELEMENT	2
032	136102094	PACKING	4
035	131705010	HEX SOCKET HEAD CAP SCREW M5X10	1
036	131117138	O-RING AS568-138	1
037	130606015	SPRING PIN 6X15	2
038	134901106	GM PLUG PT3/4	1
040	426305T70	LIMIT VALVE SHAFT	1
041	131307012	PLAIN WASHER M12	1
042	130302012	RETAINING RING S-12	1
043	134401008	HEX NUT M8	1
044	426305V30	LIMIT VALVE SHAFT WASHER	1
045	426305G80	VALVE SHAFT THRUST PLATE	1
046	426307BA0	MAIN CUT BUSHING	1
047	426307BB0	MAIN CUT VALVE	1
048	426307BC0	MAIN CUT CAP	1
049	426307BD0	MAIN CUT HOLDER	1
050	136102168	MAIN CUT SEAT	1
051	426307BFB	INLET BUSHING CP	1

Fig. No.	Part Number	Part Name	Parts Per Hoist
052	131706208	HEX SOCKET HEAD CAP SCREW M8X28	4
053	130301052	RETAINING RING H-52	1
054	131117032	O-RING AS568-032	3
055	131103033	O-RING S-40	1
056	131103026	O-RING S-32	1
057	131103024	O-RING S-30	1
058	426307AX0	MAIN CUT BODY	1
059	131708028	HEX SOCKET HEAD CAP SCREW M8X28	4
066	135106002	JOINT PL6-02	2
164	426303S2F	CONTROL LEVER CP	1
367	DRGPB-01	PENDANT BRACKET	1

RED ROOSTER 4 STATION PENDANT - RRI-VTP4M

ITEM	PART NO.	DESCRIPTION	QTY
1	105P	M4 x 20 SCREW HEAD	4
2	E/STOP/GUARD01	GUARD FOR EMERGENCY STOP	1
3	133/1P	M4 NYLOCK NUT	4
4	BIK3206P-BS54	EMERGENCY STOP BUTTON	1
5	304P	1/8" TO 6mm BANJO	6
6	P118	90° ELBOW 6mm	2
7	P112	4 WAY JUNCTION	1
8	301P	8mm to 6mm REDUCER	1
9	P080	"Y" BRANCH	1
10	BIK-3209-P-V-VALVE	PENDANT VALVE	4
11	P087	1/8" TO 6mm PUSHFIT	4
12	TP/4/HOUS/M	4 STATION PENDANT	1
14	BIK-3209-294-BCOVER	COVER FOR BIK VALVES	4
15	XAC-B-LEGEND-UP	UP LEGEND	1
16	XAC-B-LEGEND-DOWN	DOWN LEGEND	1
17	XAC-B-LEGEND-RIGHT	RIGHT LEGEND	1
18	XAC-B-LEGEND-LEFT	LEFT LEGEND	1
19	HP7	6mm SMC TUBE	6
20	P245	1/8" TO 6mm BULKHEAD AND NUT	6
21	DRG 2652-04	PLATE	1
22	P071/1	1/8" BSP NIPPLE C/W CONE	6
23	122P	M6 x 20 HEX BOLTS	2
25	139P	M6 NYLOC NUT	2
26	145P	M6 WASHER	4
27	P016/1	1/8" BSP SWIVEL TO 1/4" HOSE TAIL	6
28	P002/1	1/4" HOSE FERRULES	6

