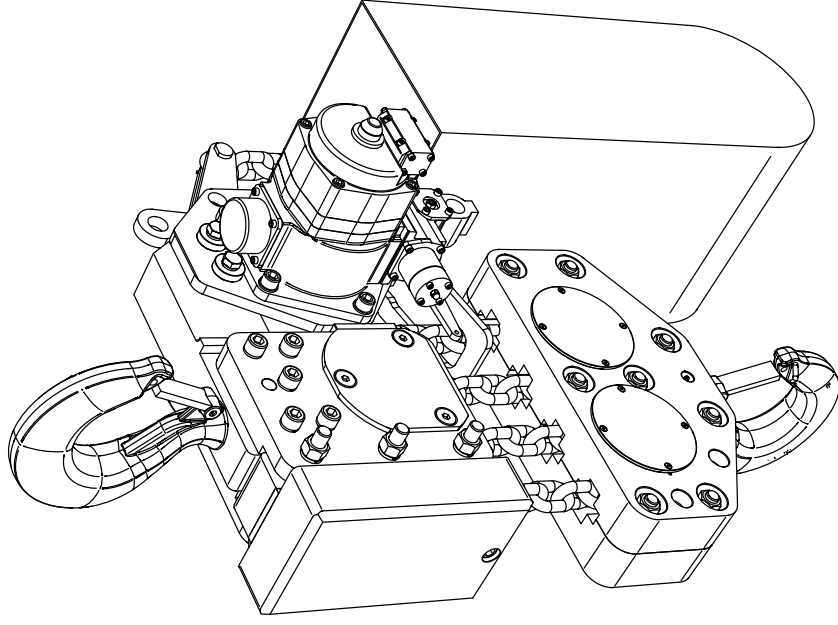
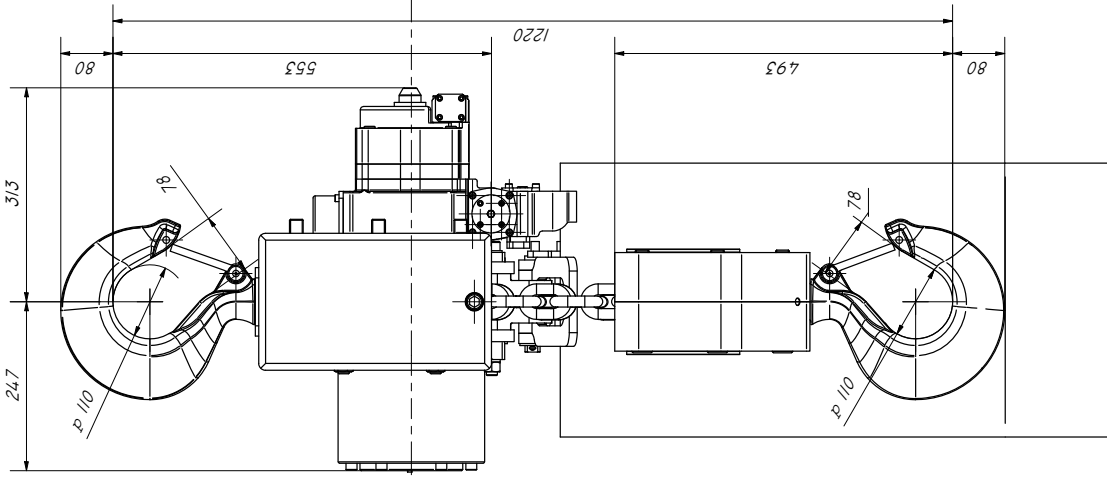
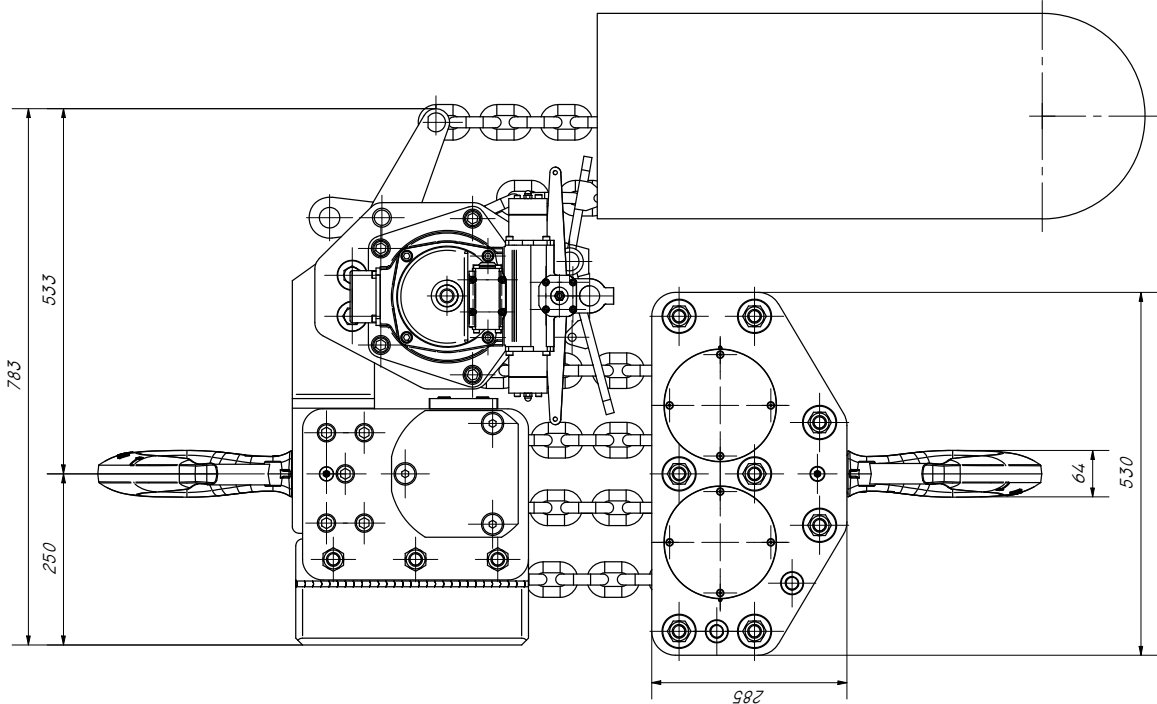
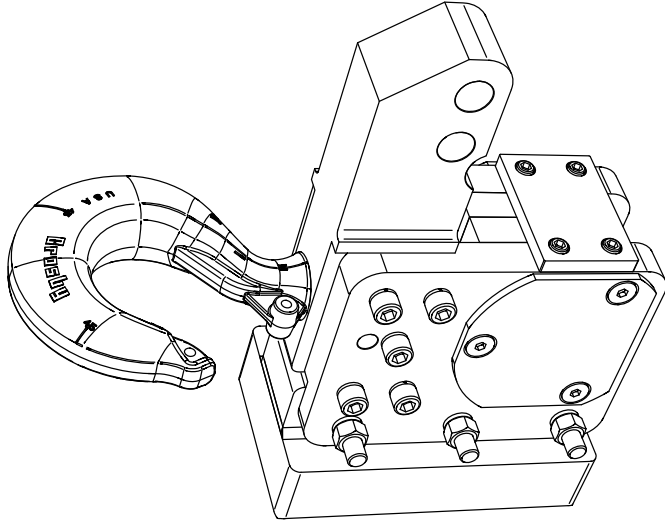
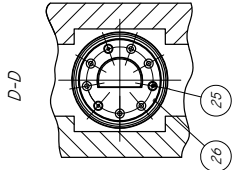
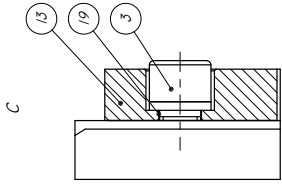
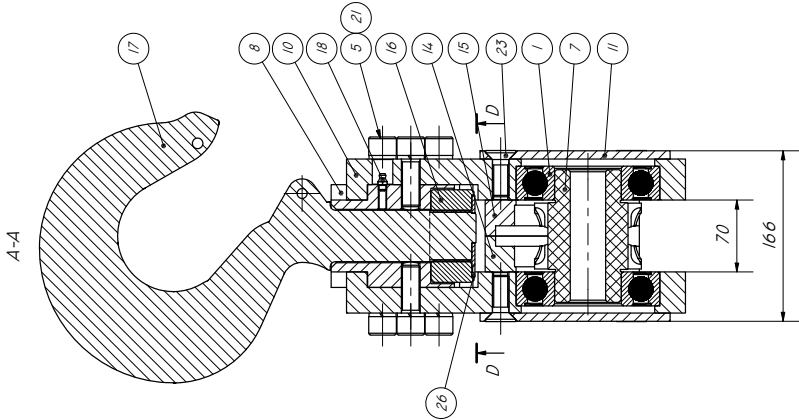
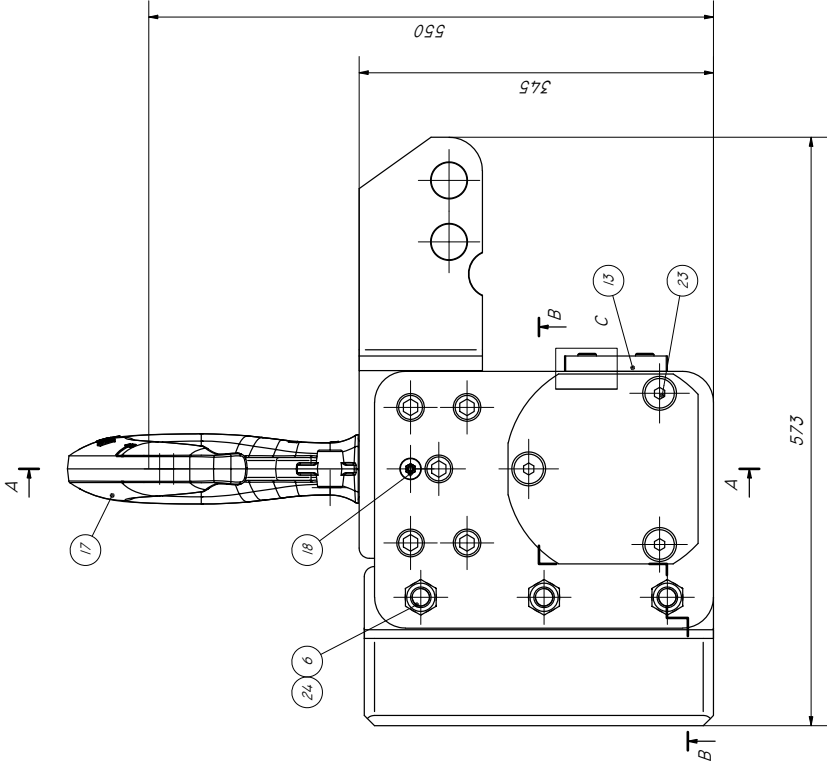


REVISION HISTORY		
REV.	DATE	APPROVED
0		



SCALE		MATERIAL		TITLE OF PART		PART NUMBER	
1:7.5				GENERAL ASSEMBLY		DRG 1368C-18	
DESIGNED BY		DATE		DATE		UNLESS OTHERWISE SPECIFIED	
ADAM MISALLA		20/08/2008		29/01/2018		ALL DIMENSIONS ARE IN MILLIMETERS	
DRAWN BY		DATE		REVISION		TOLERANCES	
E. CRICHTON		29/01/2018		0		FRACTIONAL DECIMALS	
CHECKED BY		DATE		REPLACES DRAWING		UP TO 25.0 ± 0.05	
B. AITKEN				N/A		OVER 25.0 UP TO 100.0 ± 0.1	
APPROVED BY		DATE		REPLACES DRAWING		OVER 100.0 UP TO 300.0 ± 0.2	
A3		TITLE OF PROJECT		PROFILE NUMBER		OVER 300.0 UP TO 1000.0 ± 0.5	
		TNC-20TW/4				ANGULAR ± 0.5°	
						SURFACE FINISHNESS $\sqrt{R}$	
						IF IN DOUBT ASK	

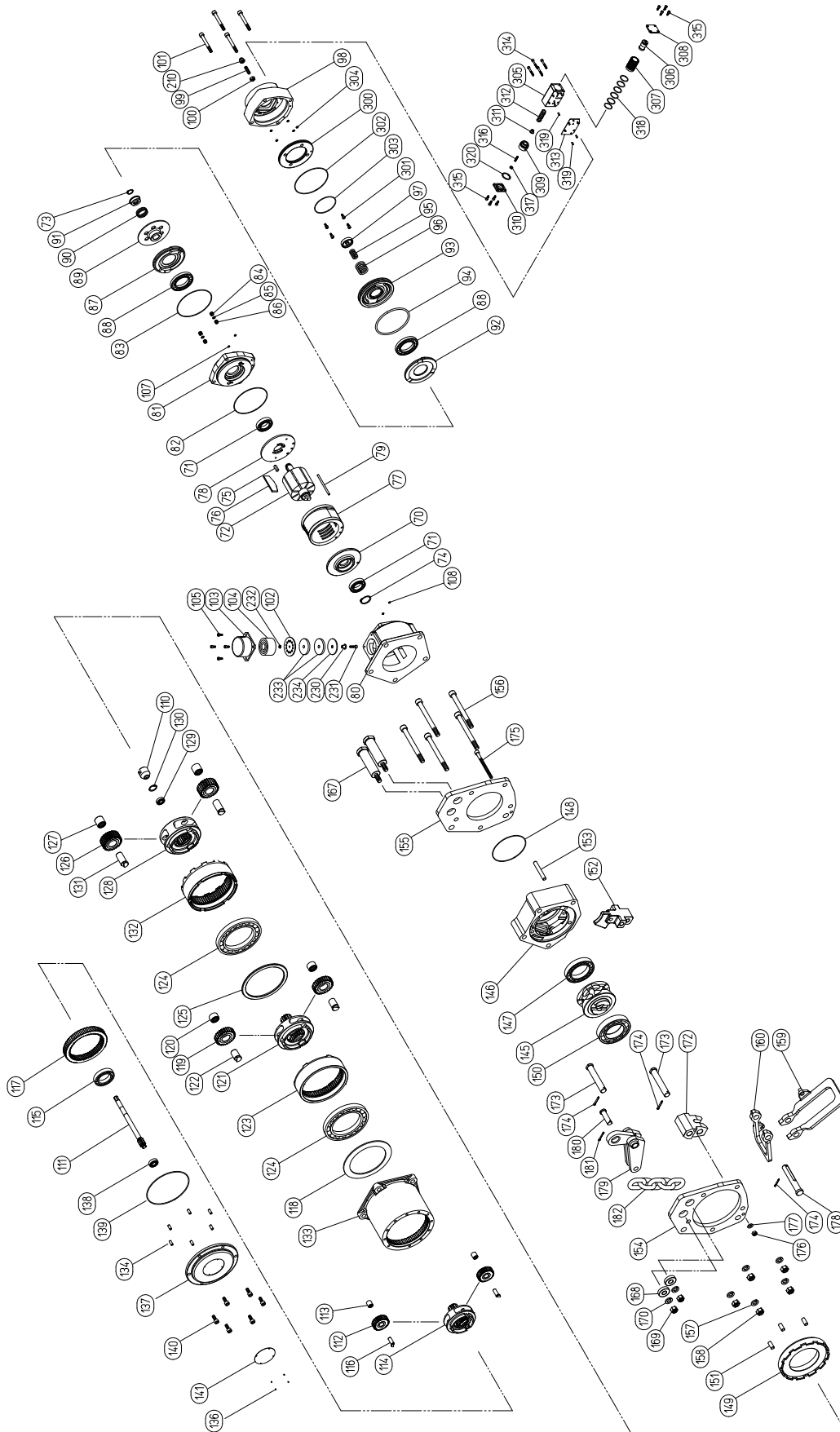
REVISION HISTORY		
REV.	DATE	APPROVED
0		



ITEM	QTY	PART NUMBER	DESCRIPTION	REV.
1	2	6315-27	BEARING FAG OR SKF	0
2	4	DIN 912 - M10 x 4.5	CYLINDER HEAD CAP SCREW	
3	4	DIN 912 - M12 x 25	CYLINDER HEAD CAP SCREW	
4	1	DIN 912 - M16 x 130	CYLINDER HEAD CAP SCREW	
5	10	DIN 912 - M18 x 50	CYLINDER HEAD CAP SCREW	
6	3	DIN 912 - M20 x 200	CYLINDER HEAD CAP SCREW	
7	1	DRG 1215-01	POCKET IDLER WHEEL 16X4.5 CHAIN	4
8	1	DRG 1582-02	20T1 TOP YOKE BLOCK	1
9	1	DRG 1582-03	20T1 TOP HEAD PLATE LEFT HAND	0
10	1	DRG 1582-04	20T1 TOP HEAD PLATE RIGHT HAND	0
11	2	DRG 1582-05	20T1 BEARING CAP TOP BLOCK	0
12	1	DRG 1582-06	20T1 COUNTERWEIGHT	1
13	1	DRG 1582-09	20T1 TOP BLOCK STIFFENER	1
14	1	DRG 1582-12	20T1 CHAIN GUIDE	0
15	1	DRG 1582-12 - MIR	20T1 CHAIN GUIDE - MIR	0
16	1	DRG 1582-34	20T1 TOP HOOK NUT	0
17	1	DRG 1582-36	20T1 CROSBY SHANK HOOK S-3191AN	0
18	1	IS 4009 - M8	GREASE NIPPLE	
19	4	IS 6735 - 12	SPRING WASHERS	
20	1	IS 6735 - 16	SPRING WASHERS	
21	10	IS 6735 - 18	SPRING WASHERS	
22	6	ISO 10662 - M16 x 4.5	SPRING WASHERS	
23	3	ISO 4032 - M20	HEXAGON SOCKET COUNTERSINK HEAD SCREW	
24	3	DIN 7991 - M4 x 12	HEXAGON NUTS	
25	1	DRG 1582-35	WIRKIT	
26	1	DRG 1582-35	WIRKIT	
SCALE 1:5				
TITLE OF PART 20T TOP BLOCK				
TITLE OF PROJECT 20T AIR HOIST				
SHEET SIZE A3				
DESIGNED BY ADAM MIALA 05/08/2008				
DRAWN BY E. CRICHTON 07/02/2018				
CHECKED BY				
APPROVED BY B. AITKEN				
REPLACES DRAWING				
REVISION WEIGHT				
DATE 07/02/2018				
UNLESS OTHERWISE SPECIFIED				
ALL DIMENSIONS ARE IN MILLIMETERS				
TOLERANCES				
FRACTIONS				
UP TO 5.0 ± 0.05				
OVER 5.0 UP TO 10.0 ± 0.1				
OVER 10.0 UP TO 30.0 ± 0.2				
OVER 30.0 UP TO 100.0 ± 0.5				
OVER 100.0 ± 0.5				
ANGULAR ± 0.5°				
SURFACE FINISHES				
IF IN DOUBT ASK				



D01-AH22 REV1 18.06.28



Hoist Body - TNC-20TW/4

D01-AH22 REV1 18.06.28

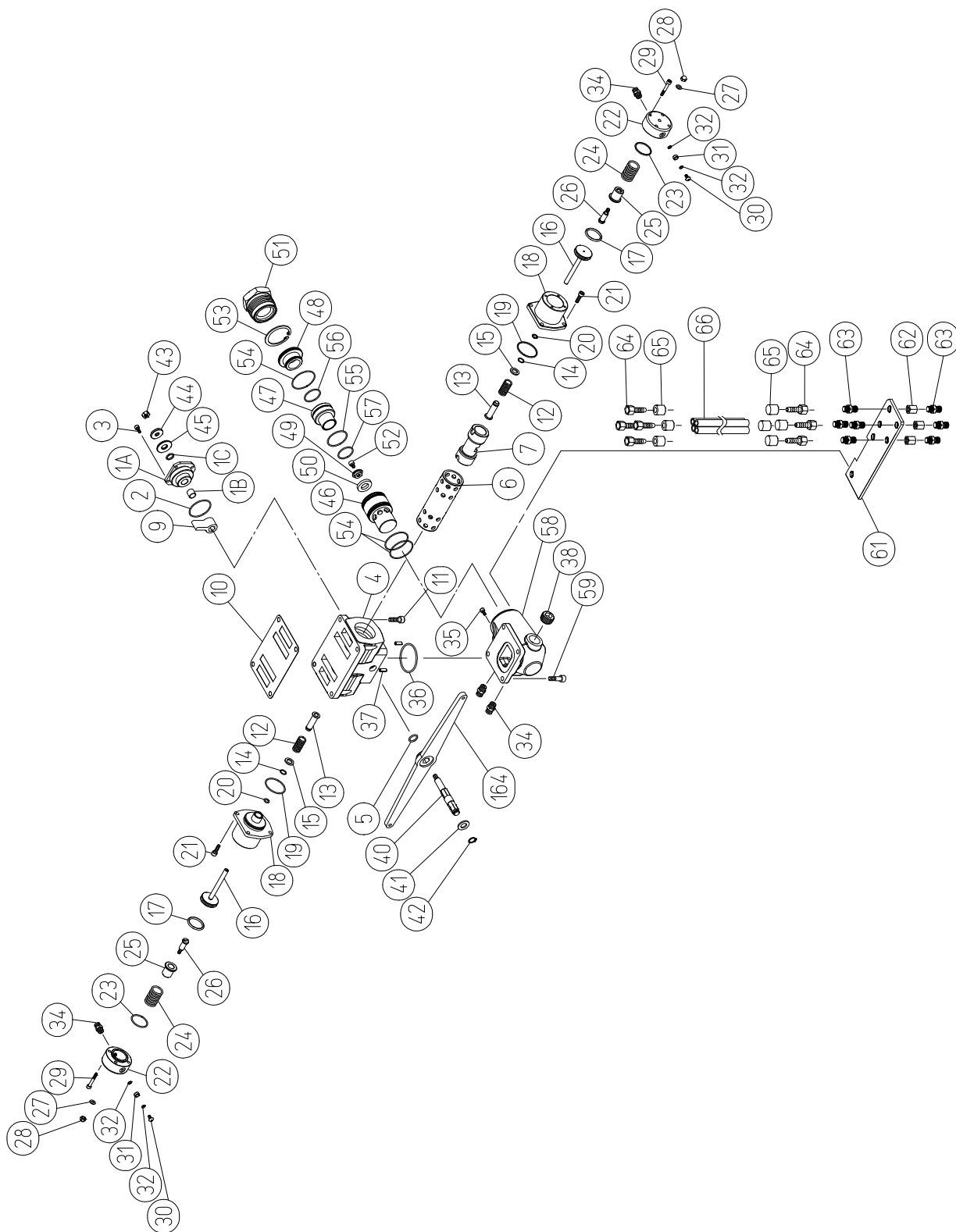
Fig. No.	Part Number	Part Name	Parts Per Hoist
070	426301K70	FRONT PLATE	1
071	130106008	BEARING 6007ZZ	2
072	426301K40	ROTOR	1
073	130302020	RETAINING RING S-20	1
074	130302035	RETAINING RING S-35	1
075	130408110	BRAKE WHEEL KEY	1
076	137102012	VANE	8
077	426301K50	CYLINDER	1
078	426301K20	REAR PLATE	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 GEART 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
159	426303R60	LIMIT LEVER U	1
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 SHAFT	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

Fig. No.	Part Number	Part Name	Parts Per Hoist
178	426303X60	CHAIN SET SPINDLE	1
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

Built-In Mains Emergency Stop Valve Pendant Body - TNC-20TW/4

D01-AH22 REV1 18.06.28



Built-In Mains Emergency Stop Valve Pendant Body - TNC-20TW/4

D01-AH22 REV1 18.06.28

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
034	P071/1	1/8 BSP NIPPLE c/w 60° CONE	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

Fig. No.	Part Number	Part Name	Parts Per Hoist
050	136102168	MAIN CUT SEAT	1
051	426307BFB	INLET BUSHING CP	1
052	131706208	HEX SOCKET HEAD CAP SCREW M6X8	1
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
061	DRGPB-01	PENDANT BRACKET	1
062	P044	1/8 BSP FEMALE SOCKET	4
063	P071/1	1/8 BSP NIPPLE c/w 60° CONE	8
064	P016/1	1/8 BSP TO 1/4 HOSETAIL c/w SWIVEL	8
065	P002/1	1/4 HOSE FERRULE	8
066	1/4-HOSE	1/4 ANTI-STATIC RUBBER HOSE	4
164	426303L7B	CONTROL LEVER CP	1

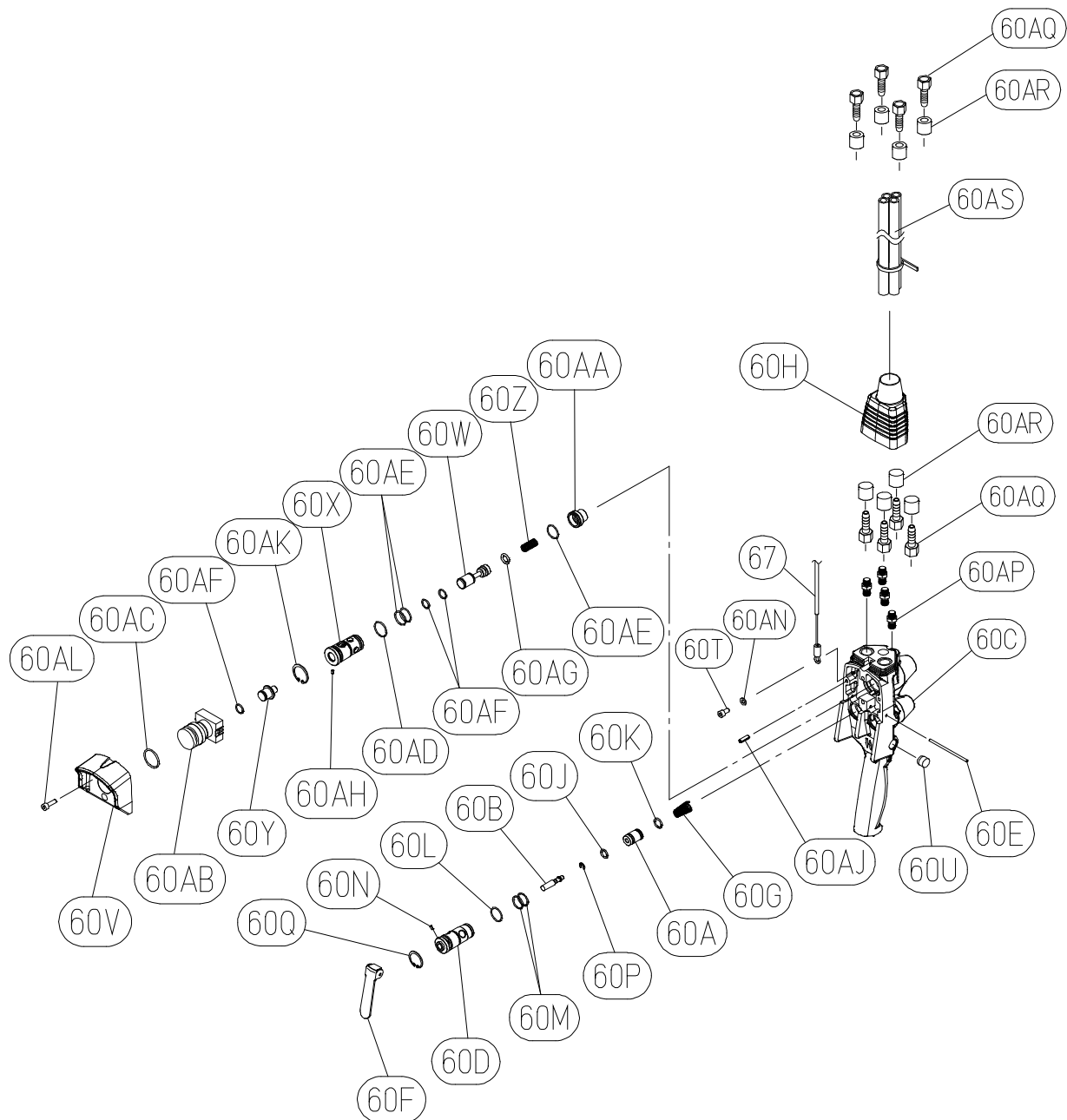


Fig. No.	Part Number	Part Name	Parts Per Hoist
060A	420215VB0	TROTTLE VALVE	2
060B	420215VC0	PUSH ROD	2
060C	420234VR0	VALVE BODY	1
060D	420232VF0	BUSHING	2
060E	130402055	LEVER PIN	1
060F	420218VH0	VALVE LEVER	2
060G	130802030	VALVE SPRING	2
060H	136608255	BOOT	1
060J	131118012	O-RING AS568-012 (HS90°)	2
060K	131117013	O-RING AS568-013	2
060L	131103015	O-RING S-18	2
060M	131103014	O-RING S-16	4
060N	130602005	SPRING PIN 2X5	2
060P	130303004	RETAINING RING E-4	2
060Q	130301022	RETAINING RING H-22	2
060T	131705010	HEX. SOCKET CAP SCREW M5X10	1
060U	431765761	PLUG	2
060V	420232V70	EMERGENCY PANEL	1
060W	420227V60	EMERGENCY VALVE	1
060X	420232V50	EMERGENCY BUSHING	1
060Y	420232V00	EMERGENCY PUSH ROD	1
060Z	130802097	EMERGENCY SPRING	1
060AA	420232V10	EMERGENCY CAP	1
060AB	136690401	EMERGENCY SWITCH	1
060AC	131103019	O-RING S-24	1
060AD	131103016	O-RING S-20	1
060AE	131103015	O-RING S-18	3
060AF	131103009	O-RING S-11.2	3
060AG	131117110	O-RING AS568-110	1
060AH	130602005	SPRING PIN 2X5	1
060AJ	130604015	SPRING PIN 4X15	2
060AK	130301025	RETAINING RING H-25	1
060AL	131705016	HEX. SOCKET CAP SCREW M5X16	2
060AN	131307005	WASHER M5	1
060AP	P071/1	1/8 BSP NIPPLE C/W 60° CONE	4
060AQ	P016/1	1/8 BSP TO 1/4 HOSETAIL c/w SWIVEL	8
060AR	P002/1	1/4 HOSE FERRULE	8
060AS	1/4-HOSE	1/4 ANTI-STATIC RUBBER HOSE	4
067	426230F1B	STRAINER WIRE	1