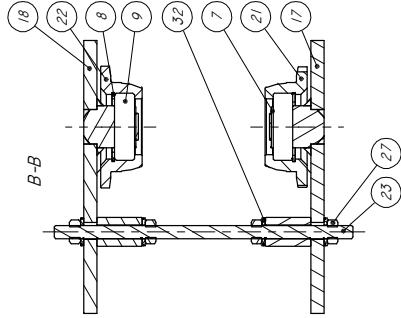
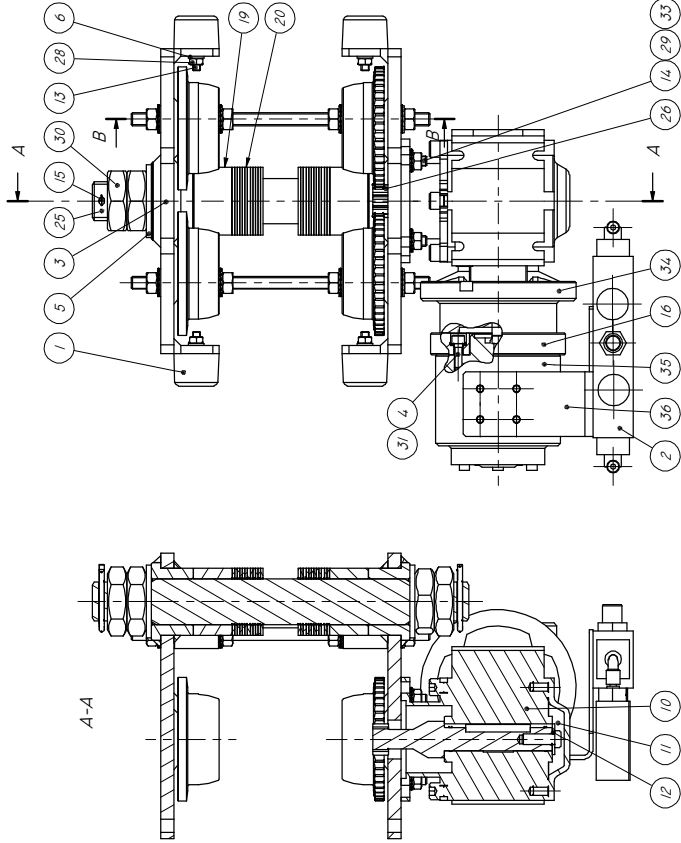
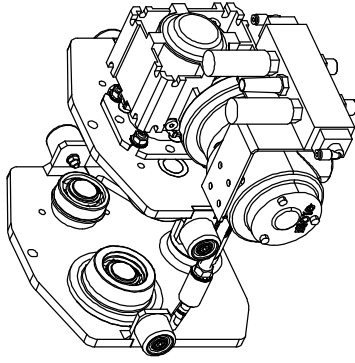
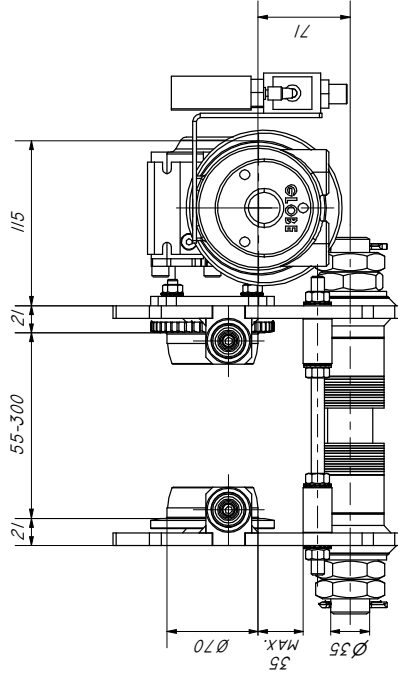
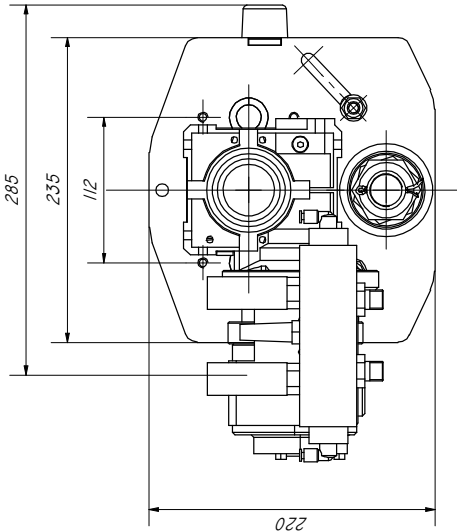
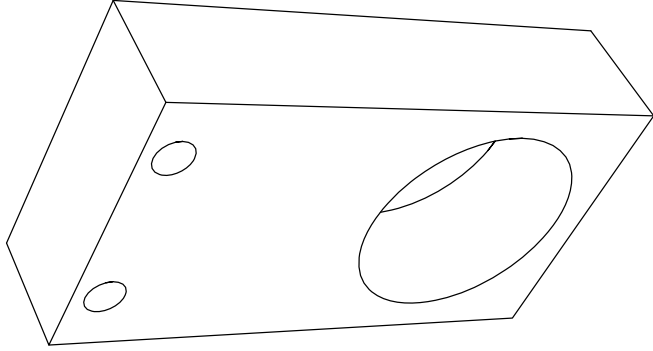
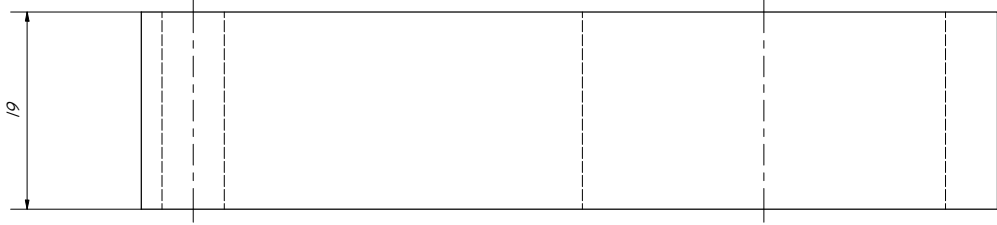
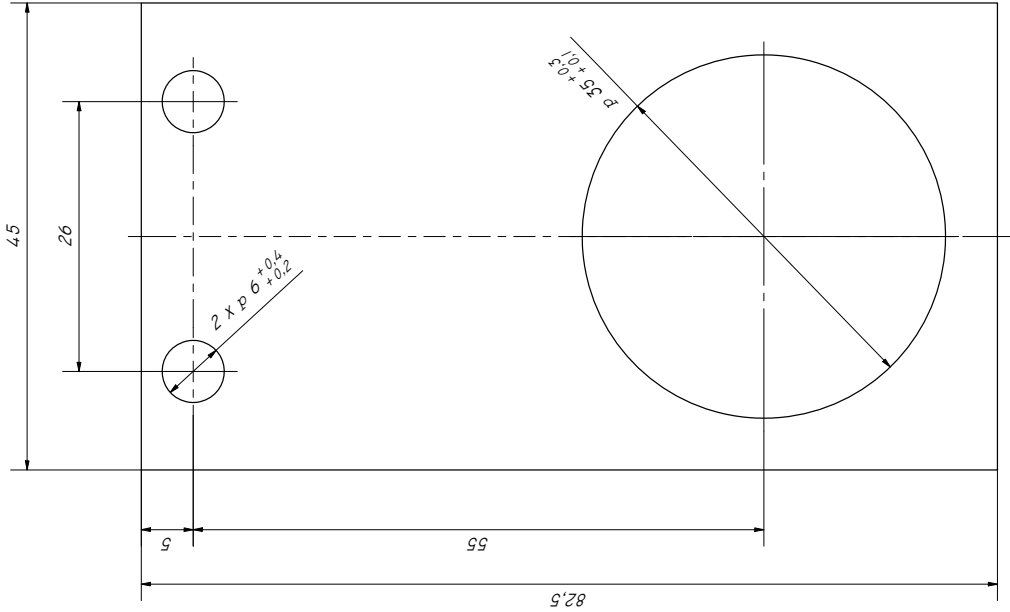


REVISION HISTORY		
REV.	DATE	APPROVED
0	17/04/2018	W. MORRISON



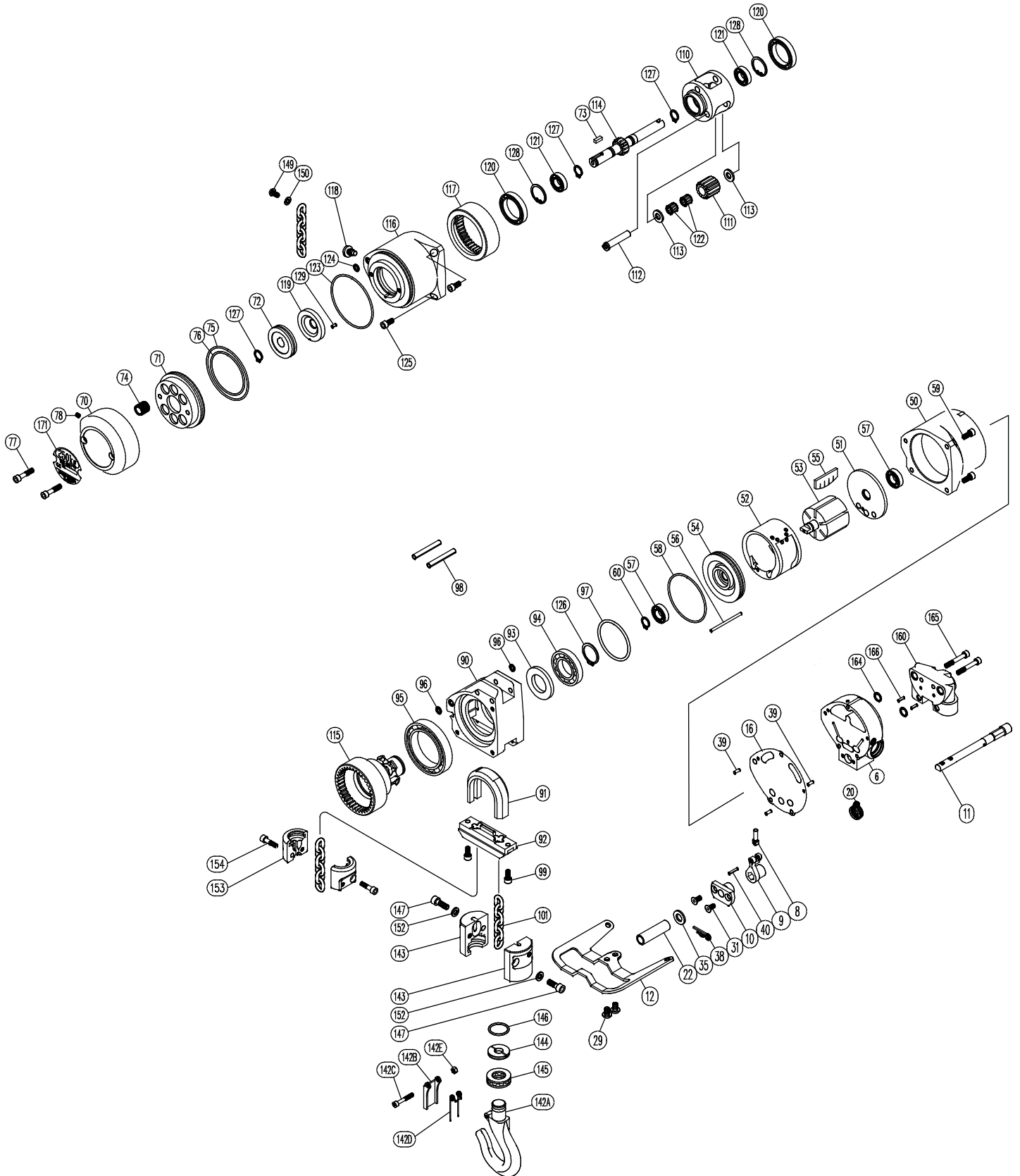
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	BUFFER	
2	1	PISTON VALVE AND SILENCERS	
3	2	SHACKLE U.B.T.E	
4	3	ANSI B18.3 - 1/4 - 20 UNC - 3/4 HS HCS	HEXAGON SOCKET HEAD CAP SCREW
5	2	WASHER	
6	4	DIN 125 - A 6.4	
7	4	DIN 471 - 25 X 1.2	SPRING RETAINING RING
8	4	DIN 472 - 52 X 2	DEEP GROOVE BALL BEARINGS SINGLE ROW WITH TWO Z SHIELDS
9	4	DIN 625 SNF - SKF 6205-2Z	SNF
10	1	DIN 6885 - A 6 X 6 X 50	WIPST PRYMATIC2NY
11	1	DIN 1984 - M8 X 25	CYLINDER HEAD CAP SCREW
12	1	DIN 9021 - 8.4	WASHER
13	4	DIN 912 - M8 X 35	CYLINDER HEAD CAP SCREW
14	4	DIN 913 - M8 X 30	HEXAGON SOCKET SET SCREW
15	2	DIN F150 - 28 - 4x4.0	SPLIT PIN
16	1	DRG 1500-02	TRANSITION PIECE (FOR NORD GEARBOX)
17	1	DRG 1500-02	MOTOR PLATE
18	1	DRG 1500-03	SPACER
19	1	DRG 1500-09	SPACER WASHER
20	1	DRG 1500-10	SPACER WASHER
21	2	DRG 1500-11	GEAR WHEEL
22	2	DRG 1500-12	PLAIN WHEEL
23	2	DRG 1500-13	TIE ROD
24	4	DRG 1500-14	ANTI TIP ROLLER
25	1	DRG 1500-15 OR	LOAD BAR (RANGE I - FLANGE 55-140MM)
26	1	DRG 1500-16 OR	LOAD BAR (RANGE II - FLANGE 140-220MM)
27	8	DRG 1500-17	LOAD BAR (RANGE III - FLANGE 220-300MM)
28	4	ISO 4032 - M10	PISTON SHAFT (FOR NORD GEARBOX)
29	4	ISO 4032 - M6	HEX NUT
30	4	ISO 4035 - M8	HEX NUT
31	3	NL 1/4IN	HEX NUT
32	8	NL 10SP	1/4" NORDLOCK WASHER LARGE DIAMETER GLUED PAIR
33	4	NL 8SP	M10 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR
34	1	SK 1S140FH-IEC63-2G	M10 NORDLOCK WASHER LARGE DIAMETER GLUED PAIR
35	1	1/4x1	GEARBOX (RATIO 15:1)
36	1	DRG 1500-48	AIR MOTOR - GLOBE

SCALE		MATERIAL		TITLE OF PART		2TE AIR TROLLEY (AT2S)		DATE		29/01/2018		PART NUMBER		DRG 1500D-01	
1:4												1 / 1		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS	
DESIGNED BY		TOMASZ		DATE		19/04/2013		REVISION		WEIGHT		TOLERANCES		up to 30mm ± 0.05 other 30 up to 120 ± 0.1 other 120 up to 250 ± 0.15 other 250 up to 500 ± 0.2 other 500 up to 1000 ± 0.3	
DRAWN BY		E. CRIGNON		29/01/2018				0		N/A				ANGULAR ±0.5°	
CHECKED BY														SURFACE ROUGHNESS	
APPROVED BY		B. AITKEN												IF IN DOUBT ASK	
SHEET SIZE		A3		TITLE OF PROJECT		2TE HOIST AND TROLLEY		PROFILE NUMBER							
															



REVISION HISTORY	
REV.	DATE
0	

SCALE		MATERIAL		TITLE OF PART		250KG MINI LINK PLATE		PART NUMBER	
2:1		-		-		-		DRG 1374D-18 1 / 1	
DESIGNED BY		T. MIKOLAJEWSKI		DATE		30/01/2018		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS	
DRAWN BY		E. CRICHTON		REVISION		WEIGHT		TOLERANCES LINEAR	
CHECKED BY				0		0.1 KG		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 UP TO 200 0.5 OVER 200 0.7	
APPROVED BY		B. AITKEN		REPLACES DRAWING				ANGULAR 5 0.5° SURFACE ROUGHNESS IF IN DOUBT ✓	
SHEET SIZE		A3		TITLE OF PROJECT		0.25T HOIST AND TROLLEY		PROFILE NUMBER	
									
						</			



Hoist Body - TCR-250-AT2S Mini Hoist

Fig. No.	Part Number	Part Name	Parts Per Hoist	Fig. No.	Part Number	Part Name	Parts Per Hoist
006	426206060	VALVE BODY	1	116	426205310	GEAR CASE	1
008	426205850	VALVE PIN	1	117	426205320	RING GEAR	1
009	426205140	LIMIT LEVER	1	118	426205890	LOCK SCREW	1
010	426205100	LIMIT GUIDE	1	119	426205900	BRAKE PLATE	1
012	426205110	CHAIN LEVER	1	120	130112806	BEARING 6806	2
016	136102151	VALVE PACKING	1	121	130113003	BEARING 6901	2
020	130802209	VALVE SPRING	1	122	130170013	NEEDLE BEARING KT-81211	6
022	426205880	PROTECTOR	1	123	131103047	O-RING S-70	1
029	131905008	HEX SOCKET DOME SCREW M5X8	2	124	131103004	O-RING S-6	1
031	132804010	HEX FLAT HEAD MACHINE SCREW M4X10	6	125	131705014	HEX SOCKET HEAD CAP SCREW M5X14	3
035	131309008	WASHER M8	1	126	130302025	RETAINING RING S-25	1
038	130790008	SNAP PIN 8	1	127	130302012	RETAINING RING S-12	3
039	130406017	PARALLEL PIN 3X7.5	3	128	130301024	RETAINING RING H-24	2
050	426205790	MOTOR CASE	1	129	130603006	SPRING PIN 3X6	1
051	426205180	REAR PLATE	1	142	42620593E	SWIVEL HOOK (W. / CLAW)	1
052	426205160	CYLINDER	1	A	426205931	SWIVEL HOOK	1
053	426205150	ROTOR	1	B	420620P11	HOOK SAFETY CLAW	1
054	426205170	FRONT PLATE	1	C	131704028	HEX SOCKET HEAD CAP SCREW M4X28	1
055	137102018	VANE	6	D	130802046	HOOK SPRING	1
056	130402049	KNOCK PIN	1	E	134501004	U-NUT M4	1
057	130113003	BEARING 6901	2	143	426205800	UNDER HOOK HOLDER (ASSY)	1
058	131103044	O-RING S-63	1	144	426205910	HOOK THRUST PLATE (ASSY)	1
059	131705014	HEX SOCKET HEAD CAP SCREW M5X14	3	145	130121103	THRUST BEARING 51103	1
060	130302012	RETAINING RING S-12	1	146	131103017	O-RING S-22	1
070	426205410	BRAKE COVER	1	147	131706018	HEX SOCKET HEAD CAP SCREW M6X18	2
071	426205400	BRAKE PISTON	1	149	131905010	HEX SOCKET DOME HEAD M5X10	1
072	426205430	BRAKE DISK	1	150	131305005	WASHER M5	1
073	130408079	KEY	1	152	131310006	SPRING WASHER FOR FIG NO. 147	2
074	130802207	SPRING 12X13 8X1	6	153	426215B30	HANGER	2
075	131103047	O-RING S-70	1	154	131705020	HEX SOCKET HEAD CAP SCREW M5X20	2
076	131103042	O-RING S-56	1	160	426206941	MANIFOLD BLOCK	1
077	131705030	HEX SOCKET HEAD CAP SCREW M5X30	2	164	131103008	HEX SOCKET HEAD CAP CREW M5X35	2
078	132104005	HEX SOCKET SET SCREW M4X5	1	165	131705035	HEX SOCKET HEAD CAP CREW M5X35	2
090	426205210	WHEEL HOUSING	1	166	130603010	SPRING PIN 3X10	2
091	426205350	CHAIN GUIDE	1	171	137309269	NAMEPLATE	1
092	136610025	CHAIN SEPARATOR	1				
093	426205230	SPACER	1				
094	130116005	BEARING 16005	1				
095	130113010	BEARING 6910	1				
096	131103004	O-RING S-6	2				
097	131102006	O-RING G-50	1				
098	130606045	SPRING PIN 6X45	2				
099	131705014	HEX SOCKET HEAD CAP SCREW M5X14	2				
101	AHC4/80	LINK CHAIN 4mm	HOL				
110	426205240	CAGE	1				
111	426205250	STAR GEAR	3				
112	426205260	PIN	3				
113	426205270	THRUST COLLAR	6				
114	426205290	PINION	1				
115	426205300	WHEEL	1				



Pendant - VRD-4R

Fig. No.	Part Number	Part Name	Parts Per Hoist
A	420218VB0	THROTTLE VALVE	4
B	420235VR0	VALVE BODY	1
C	420218VF0	BUSHING	4
D	420235X40	BUTTON	4
E	130802036	SPRING 6X18X0.32	4
F	420235W50	FRONT CASE	1
G	420235W60	REAR CASE	1
H	136608256	BOOT	1
J	420235VM0	ADJUST SCREW	1
K	131705310	HEX SOCKET HEAD CAP SCREW M5X10	1
L	132404114	PHILLIPS HEAD MACHINE SCREW M5X14	4
M	132904221	SELF TAPPING SCREW 4X20	6
N	132105305	HEX SOCKET HEAD CAP SCREW M5X5	4
P	131309206	WASHER M6	1
Q	130301912	RETAINING RING H-12	1
R	131109001	O-RING S-3 (HS90°)	4
S	131103005	O-RING S-7	1
T	131103008	O-RING S-10	4
U	131103009	O-RING S-11.2	4
V	420224V61	EMERGENCY VALVE	1
W	420228V50	EMERGENCY BUSHING	1
X	136690503	EMERGENCY SWITCH	1
Y	420228W00	PUSH ROD	1
Z	131103002	O-RING S-4	2
AA	131103004	O-RING S-6	2
AB	131103008	O-RING S-10	1
AC	131103009	O-RING S-11.2	2
AD	130303204	RETAINING RING E-4	1
AE	131307105	WASHER M5	1
AF	P128	1/8 BSP COMPACT ELBOW C/W 60° CONE	4
AG	P071/1	1/8 BSP NIPPLE C/W 60° CONE	2
AH	P016/1	1/8 BSP TO 1/4 HOSETAIL SWIVEL	12
AJ	P002/1	1/4 HOSE FERRULE	12
AL		STRAINER WIRE	1
AK	1/4-HOSE	1/4 ANTI STATIC RUBBER HOSE	6