

DWG No	REFERENCES	REV	DATE	DESCRIPTION	DRAWN	CHECK	APPD
1		1	4/12/2011	MOUNTING ANGLE LENGHT REDUCED. CHAIN LENGTH REDUCED.		RCT	
		0	01/09/10	ORIGINAL ISSUE		RCT	

GEARS AND WINCHES
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DRAWN	RCT	01-09-10	W100 WINCH WITH WORMBRAKE EXPLODED ASSEMBLY PARTS LIST		
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MATERIAL					
MATERIAL NOTES					
FINISH			FOR MANUFACTURE		
DATE PRINTED	WEIGHT	SCALE	SHEET No.	DWG No	-REV
4/12/2011	1090 Kg	1:22	1 OF 2		W100-0012-1

A

B

C

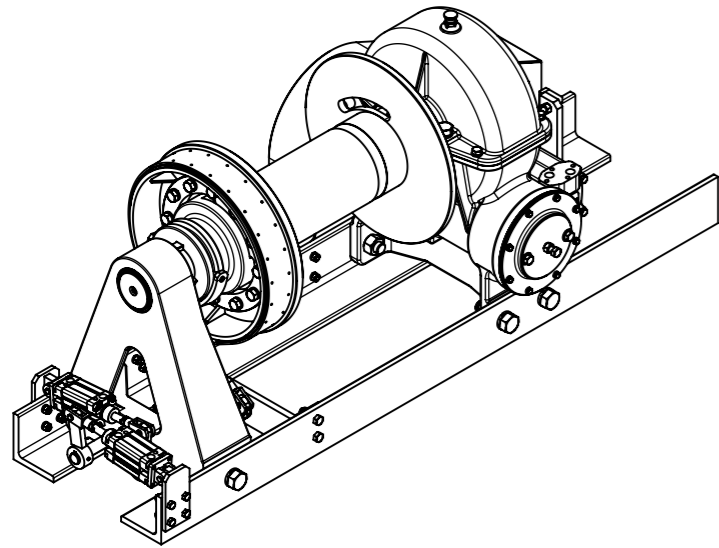
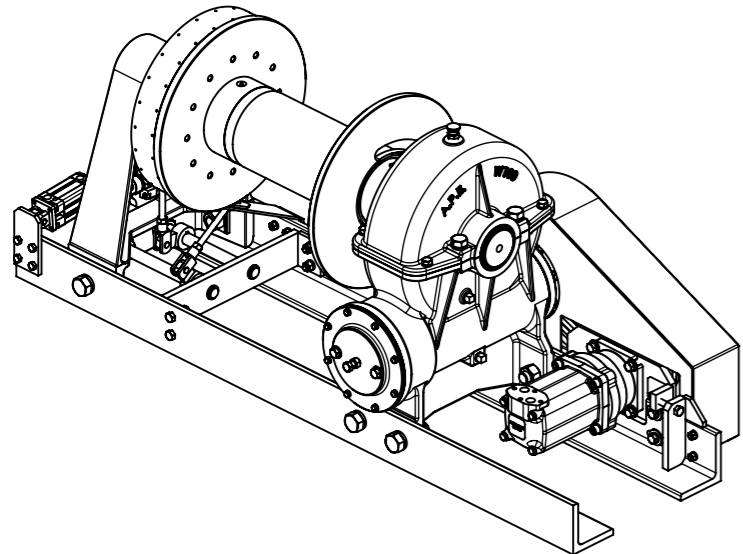
D

E

F

G

H



ITEM NO.	QTY.	DESCRIPTION	PART NUMBER	ITEM NO.	QTY.	DESCRIPTION	PART NUMBER
1	1	WORM BOX HOUSING - LOWER HALF	W100-0101	50	4	SP-20 1 1/4 in SHAFT	SP-20
2	1	WORM BOX HOUSING - UPPER HALF	W100-0151	51	1	WORMBRAKE CAP GASKET	W100-0801
3	2	WORMBOX HOUSING BUSH	W100-0700	52	1	WORM SHAFT CAP GASKET	W100-0800
4	1	WORM SHAFT CAP - INPUT END	W100-0200	53	1	KEY ANSI B17.1 0.5x0.5x2	
5	1	WORM SHAFT CAP - INTERNAL	W100-0201	54	1	WORMBRAKE HUB	W100-0750
6	1	END SUPPORT BRACKET	W100-0251	55	1	WORMBRAKE RETAINER	W100-0753
7	1	END BRACKET BUSH	W100-0702	56	1	WORMBRAKE FRICTION DISC	W100-0752
8	1	DRUM SHAFT	W100-0520	57	1	WORMBRAKE CAM	W100-0751
9	1	WORM	W100-0400	58	1	WORMBRAKE CAP	W100-0203
10	1	WORMWHEEL	W100-0420	59	1	WORMBRAKE LEAF SPRING	W100-0754
11	1	WORMWHEEL HUB	W100-0440	60	2	3/4" BEARING BALL	
12	1	WINCH DRUM WELDMENT	W100-0500	61	1	COMPRESSION SPRING	W100-0755
13	2	ROPE CLAMP - TOP PLATE	W100-0509	62	6	HEX NUT 5/8"-11 UNC	HNUT 0.3125-18-D-C-S
14	1	DRUM DOG CLUTCH RING	W100-0600	63	11	HEX HEAD SET SCREW 5/8"-11 UNC x 2 1/2"	HHSS 0.3125-18x0.75
15	2	DRUM BUSH	W100-0701	64	6	5/8" FLAT WASHER	
16	1	DRUM SHAFT SPACER RING	W100-0530	65	1	GUARD WELDMENT	W100-0340
17	1	DOG CLUTCH	W100-0610	66	1	OIL SEAL	CR24982
18	1	DOG CLUTCH YOKE	W100-0270	67	12	HEX HEAD BOLT 3/4"-10 UNC x 3"	HHSS 0.3125-18x0.75
19	1	CLUTCH YOKE PIVOT PIN	W100-0271	68	24	SPRING WASHER 3/4"	
20	1	BASE ANGLE - DRIVE SIDE	W100-0300	69	12	HEX NUT 3/4"-10 UNC	HNUT 0.3125-18-D-C-S
21	1	BASE ANGLE - WORMBRAKE SIDE	W100-0301	70	8	SOCKET HEAD CAP SCREW 5/8"-11 UNC x 1 1/2"	
22	1	WINCH BASE CROSS BRACKET	W100-0320	71	24	SPRING WASHER 5/8"	
23	1	BRAKE BAND ASSEMBLY	W100-0650	72	8	SPRING WASHER 3/8"	
24	1	BRAKE BAND CLAMP PLATE	W100-0656	73	8	HEX HEAD BOLT 3/8"-16 UNC x 1 1/4"	
25	1	BRAKE PULL ROD	W100-0660	74	2	DOWEL PIN 3/8 x 3/4	
26	4	BRAKE SHAFT BUSH	T65	75	4	SPRING WASHER 1"	
27	1	BRAKE CONTROL SHAFT	W100-0621	76	4	HEX HEAD BOLT 1"-12 UNF x 2 3/4"	HHSS 0.3125-18x0.75
28	1	BRAKE AND CLUTCH LEVER ARM	W100-0630	77	4	HEX HEAD BOLT 5/8"-11 UNC x 1 3/4"	HHSS 0.3125-18x0.75
29	2	CYLINDER LEVER ARM	W100-0631	78	2	3/4" BSP SQUARE HEAD PLUG	
30	1	CLUTCH PUSH ROD ASSEMBLY	W100-0640	79	1	BREATHER 3/4" BSPT	
31	1	CLUTCH CONTROL SHAFT	W100-0620	80	19	SPRING WASHER 1/2"	
32	1	BRAKE AND CLUTCH LEVER ARM	W100-0630	81	4	HEX HEAD BOLT 1/2"-13 UNC x 2 1/2"	
33	2	NORGREN CYLINDER PRA/182063/M/50		82	12	HEX HEAD BOLT 3/4"-16 UNF x 2 1/4"	HHSS 0.3125-18x0.75
34	1	MOTOR MOUNT PLATE	W100-0330	83	3	GREASE NIPPLE 1/8" BSP	
35	1	SPROCKET - WORM	W100-0342	84	6	SPRING WASHER 1-1/4"	
36	1	SPROCKET - MOTOR	W100-0341	85	6	HEX HEAD BOLT 1 1/4"-7 UNC x 4"	HHSS 0.3125-18x0.75
37	1	CHAIN	1" BS TRIPLEX x 54 PITCHES	86	6	HEX NUT 1/2"-13 UNC	HNUT 0.3125-18-D-C-S
38	1	DANFOSS MOTOR	OMV 800	87	2	Washer DIN 6918 - 37	
39	1	HYDRAULIC BRAKE	REGGIANA DG-RF/313	88	4	FLAT WASHER WIDE 5/8"	
40	4	M16 SPRING WASHER		89	8	HEX HEAD BOLT 5/8"-11 UNC x 2"	HHSS 0.3125-18x0.75
41	4	M16 x 50 SOCKET HEAD CAP SCREW		90	1	HEX HEAD SET SCREW 5/8"-11 UNC x 4"	HHSS 0.3125-18x0.75
42	2	TIMKEN TAPER ROLLER BEARING	9380 / 9321	91	4	HEX HEAD BOLT 5/8"-11 UNC x 2 1/4"	HHSS 0.3125-18x0.75
43	2	AIR CYLINDER FOOT MOUNT	W100-0670	92	15	HEX NUT 1/2"-13 UNC	HNUT 0.3125-18-D-C-S
44	2	KEY ANSI B17.1 1x1x4.4375		93	11	HEX HEAD BOLT 1/2"-13 UNC x 2"	
45	3	KEY ANSI B17.1 1x1x6.875		94	4	HEX HEAD BOLT 1/2"-20 UNF x 1 1/2"	
46	1	KEY ANSI B17.1 0.625x0.625x2.75		95	4	SOCKET SET SCREW 1/2"-13 UNC x 3/4"	
47	2	KEY ANSI B17.1 0.25x0.25x1.5		96	4	SOCKET SET SCREW 3/8"-16 UNC x 5/8"	
48	4	KEY ANSI B17.1 0.3125x0.3125x1.5					
49	2	SPLIT PIN Ø3.2x36					

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