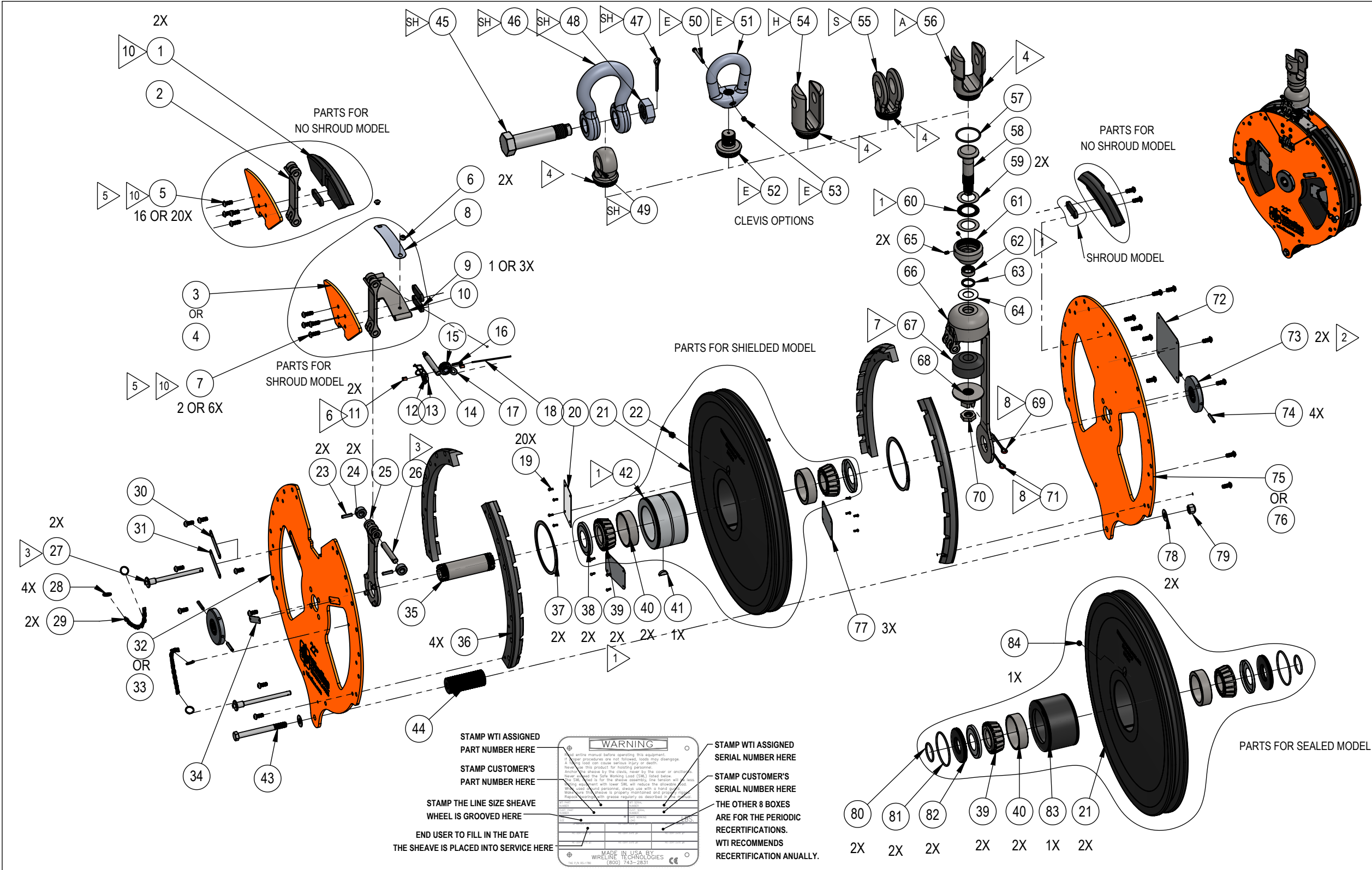




NON DESTRUCTIVE TESTING AFTER PROOF TESTING NDT THE FOLLOWING PARTS		
PART #	INSPECT PER	REJECT PARTS NOT MEETING
RS-22-1007H	AMS-STD-2175 CL-3	GRADE C
RS-22-1025	AMS-STD-2175 CL-3	GRADE C
RS-22-1208-XX	VISUAL	NO CRACKS
RS-1617	MIL-STD-1907	GRADE C
RS-22-1028	AMS-STD-2175 CL-3	GRADE C
RS-1109	MIL-STD-1907	GRADE C
RS-1105	MIL-STD-1907	GRADE C
RS-22-1024	AMS-STD-2175 CL-3	GRADE C
RS-1152B	MIL-STD-1907	GRADE C
RS-1152S	MIL-STD-1907	GRADE C
RS-1115	MIL-STD-1907	GRADE C
RS-1075	MIL-STD-1907	GRADE C
RS-1015	MIL-STD-1907	GRADE C
RS-1552	MIL-STD-1907	GRADE C
RS-1652	MIL-STD-1907	GRADE C
RS-1252	MIL-STD-1907	GRADE C
RS-1254	MIL-STD-1907	GRADE C
RS-1053	MIL-STD-1907	GRADE C
RS-1055	MIL-STD-1907	GRADE C

PART NUMBER: G2-22-1/2-2000SH				
1	2	3	4	5

1	G2 FOR SHIELDED BEARINGS G2S FOR SEALED BEARINGS
2	SHEAVE SIZE
3	LINE SIZE AS REQUIRED
4	1000 FOR SHROUDED MODEL (ITEM 10) 2000 FOR NO-SHROUD MODEL
5	A FOR AWS CLEVIS E FOR EYE CLEVIS H FOR HLS CLEVIS S FOR SJ CLEVIS SH FOR SHACKLE CLEVIS MATCHING FLAG NOTES SHOW INCL. PARTS. N FOR NO CLEVIS* *(ITEMS 45-65,67-71 NOT INCLUDED)

- NOTES
- 1

PREPACK ALL BEARINGS AND FILL CENTER OF HUB WITH GREASE (LBG-100).
- 2

PRELOAD BEARING BY TIGHTENING TO 250 IN. LBS., THEN TO NEXT HOLE.
- 3

LUBRICATE THESE PARTS W/ LIGHT MACHINE OIL.
- 4

COAT THESE THREADS WITH ANTI-SIEZE (RS-098) BEFORE ASSEMBLY.
- 5

USE PERMATEX LOCKS STUDS (LTS-100) ON THESE FASTENERS.
- 6

CRIMP FERRULES TO LANYARD WITH CAM-ACTION COMPRESSION TOOL.
- 7

TIGHTEN TILL HOLE IS VISIBLE THROUGH SLOT. TIGHTER IF CLEVIS SHAFT IS LOOSE.
- 8

AFTER INSERTION, BEND LEGS AROUND THE CLEVIS NUT.
- 9

APPLY PRIMER (LT-300), AND LOCKTITE (LT-200) ACCORDING TO DIRECTIONS.
- 10

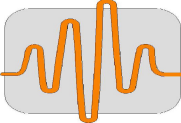
FRONT PLATE (G2-110) USES G2-108 AND SHROUDED SPACER RING (G2-17-305) USES G2-113

CONFIDENTIALITY

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REVISIONS			
6	ADD NYLOS RING G2S MODEL	AS	28-MAR-24
5	EXT CLEVIS & MOD GATE PIN	AS	15-AUG-19
4	PLATES & TAPERED RINGS	DC	21-MAY-13
3	TAPERED SPACER RINGS	DC	20-MAY-13
2	LABELS, SAFETY PIN ASSY	DC	17-MAY-12
1	SCREWS, CHAIN, B L PINS	D. C.	29-JULY-10
#	DESCRIPTION	INITIAL	DATE

DRAWING APPROVAL			
DEPARTMENT	NAME	INITIAL	DATE
ENGINEERING	A. SURDI		
QUALITY	B. MACE		
MANUFACT.	M. DYSON		
PRODUCTION	A. DYSON		



Wireline
TECHNOLOGIES

2140 NORTH REDWOOD ROAD #60
SALT LAKE CITY, UT 84116

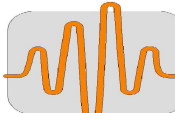
TEL. (801) 323-5533 FAX. (801) 323-7033

22" GENERATION 2
SHEAVE ASSEMBLY

DWG # G2-22-ASSY REV - 6

BILL OF MATERIALS FOR 22" SIZE MODELS									
ITEM NO.	PART NUMBER	DESCRIPTION	QUANTITY				MATERIAL	H T - SPEC	
			G2		G2S				
			1000	2000	1000	2000			
1	G2-22-305	SHROUDED MIDDLE SPACER RING - 22"	-	2	-	2	NYLON	M3	
2	RS-14/17-1025	LOADING GATE - 14"/17"	-	1	-	1	17-4 PH S/S	H-925	
3	G2-22-301-O	GATE COVER PLATE - 22"	1	1	-	-	6061-T6 ALUM	P. C. ORANGE	
4	G2-22-301-Y	GATE COVER PLATE - 22" SEALED	-	-	1	1	6061-T6 ALUM	P. C. YELLOW	
5	G2-113	BUTT. HD. SCREW 5/16"-18 X 3/4"	16	20	16	20	18-8 S/S	92949A581	
6	G2-107	BUTT. HD. SCREW 5/16"-18 X 3/16"	2	-	2	-	18-8 S/S	92949A576CUT	
7	G2-108	BUTT. HD. SCREW 5/16"-18 X 7/8"	6	2	6	2	18-8 S/S	92949A583	
8	RS-1180	SHROUD WARNING LABEL	1	-	1	-	ALUM		
9	G2-110	FRONT PLATE	3	1	3	1	6061-T6 ALUM	BLACK ANOD.	
10	RS-17-1007H	SOFTENED GATE ASSEM. (HALF SHROUD) - 17"	1	-	1	-	17-4 PH S/S		
11	RS-1032	COPPER FERRULE 3/32"	2	2	2	2	COPPER	-	
12	G2-1043	LOCKING SAFETY CLIP	1	1	1	1	302 S/S		
13	G2-1140	CAPTURED NUT ASSY.	1	1	1	1			
14	RS-1617	MODIFIED GATE PIN (NO BEND)	1	1	1	1	17-4 PH S/S	H-900	
15	RS-1717	GATE PIN COLLAR	1	1	1	1	303 S/S		
16	SB/SL-106	SPIRAL PIN 3/16" X 1"	1	1	1	1	420 S/S	93740A319	
17	G2-1042	LANYARD WASHER	1	1	1	1	304 S/S		
18	RS-1031	LANYARD - 3/32" X 16"	1	1	1	1	18-8 S/S		
19	RS-1071	DRIVE SCREW #6 X 3/8"	20	20	20	20	18-8 S/S	91654A146	
20	G2-22-1077	MANUFACTURING LABEL - 22"	1	1	1	1	PAPER	LAMINATED	
21	RS-22-1008-XX	SHEAVE WHEEL - 22"	1	1	1	1	NYLON	M3	
	WHERE XX IDENTIFIES THE GROOVE SIZE								
22	RS-1039	GREASE FITTING 1/8" NPT	1	1	-	-	STEEL	ZINC PLATED	
23	RS-1172	SPIRAL PIN 1/4" X 1"	2	2	2	2	420 S/S	93740A413	
24	RS-1006	COLLAR	2	2	2	2	303 S/S		
25	RS-26-1024	GATE FRAME - 26"	1	1	1	1	17-4 PH S/S	H-925	
26	RS-1105	HINGE PIN	1	1	1	1	17-4 PH S/S	H-900	
27	G2-109	BALL LOCK PIN - 3/8" X 4.5"	2	2	2	2	S/S		
28	G2-112	SPLIT RING 0.82" X 0.14"	4	4	4	4	316 S/S	90905A653	
29	G2-1031	SASH CHAIN 8"	2	2	2	2	304 S/S	3610T32	
30	RS-1480	REPACK WARNING LABEL	-	-	1	1	ALUM	ADHESIVE BACK	
31	RS-1380	GREASE WARNING LABEL	1	1	-	-	ALUM	ADHESIVE BACK	
32	G2-22-302-O	FRONT COVER PLATE - 22"	1	1	-	-	6061-T6 ALUM	P. C. ORANGE	
33	G2-22-302-Y	FRONT COVER PLATE - 22" SEALED	-	-	1	1	6061-T6 ALUM	P. C. YELLOW	
34	RS-1580	LINE SIZE LABEL	1	1	1	1	ALUM	ADHESIVE BACK	
	CHOOSE LABEL TO MATCH GROOVE SIZE								
35	RS-1109	AXLE SHAFT	1	1	1	1	17-4 PH S/S	H-900	
36	G2-22-304	SHROUDED SIDE SPACER RING - 22"	4	4	4	4	NYLON	M3	
37	RS-26-1012	RETAINING RING - 26"	2	2	2	2	STEEL	SH-500 STPA	
38	RS-26-1129	NILOS GREASE RING - 26"	2	2	2	2		3877/3820AV	
39	RS-26-1184	BEARING CONE - 26"	2	2	2	2	ALLOY STEEL	3877	
40	RS-26-1183	BEARING CUP - 26"	2	2	2	2	ALLOY STEEL	3820	
41	RS-1010	WOODRUFF KEY #807	1	1	1	1	316 S/S		

ITEM NO.	PART NUMBER	DESCRIPTION	QUANTITY				MATERIAL	H T - SPEC	
			G2		G2S				
			1000	2000	1000	2000			
42	RS-26-1045	WHEEL HUB - 26"	1	1	-	-	6061-T6 ALUM	CR. ACID ANOD.	
43	G2-111	HEX HD. CAP SC. 1/2"-13 X 5"	1	1	1	1	18-8 S/S	92198A732	
44	G2-106	HANDLE	1	1	1	1	NYLON	M3	
45	RS-1152B	SHACKLE BOLT	1	1	1	1	ALLOY STEEL	CHROME PL.	
46	RS-1152S	CLEVIS - SHACKLE	1	1	1	1	ALLOY STEEL	CHROME PL.	
47	RS-1152P	COTTER PIN 1/4" X 2 1/2"	1	1	1	1	18-8 S/S	98401A552	
48	RS-1152N	SHACKLE NUT	1	1	1	1	ALLOY STEEL	CHROME PL.	
49	RS-1115	SHACKLE STUD	1	1	1	1	17-4 PH S/S	H-1025	
50	RS-1086	SHOULDER SCREW 1/4" X 1 3/4"	1	1	1	1	18-8 S/S	90298A547	
51	RS-1075	CLEVIS - EYE	1	1	1	1	C-1030 STEEL	H. NICK. CR. PL.	
52	RS-1015	CLEVIS STUD	1	1	1	1	17-4 PH S/S	H-1025	
53	RS-1087	NYLON INSERT LOCKNUT 10-24	1	1	1	1	18-8 S/S	91831A011	
54	RS-1552	CLEVIS - HLS	1	1	1	1	17-4 PH S/S	H-1025	
55	RS-1652	CLEVIS - SJ	1	1	1	1	17-4 PH S/S	H-1025	
56	RS-1252	CLEVIS - AWS	1	1	1	1	17-4 PH S/S	H-900	
57	RS-1098	O-RING #227	1	1	1	1	VITON	70-80 DURO A	
58	RS-1254	EXTENDED CLEVIS SHAFT	1	1	1	1	17-4 PH S/S	H-900	
59	RS-1058	THRUST WASHER	2	2	2	2	ALLOY STEEL	TRA 2233	
60	RS-1059	THRUST BEARING	1	1	1	1	ALLOY STEEL	NTA 2233	
61	RS-1053	CLEVIS HOUSING	1	1	1	1	17-4 PH S/S	H-900	
62	RS-1056	CLEVIS BEARING	1	1	1	1	ALLOY STEEL	B-167	
63	RS-1057	CLEVIS BEARING SEAL	1	1	1	1	NITRILE	NAT 240731	
64	RS-1020	CLEVIS WASHER	1	1	1	1	NYLON	WHITE	
65	RS-1068	SET SCREW - CUP 1/4"-28 X 3/8"	2	2	2	2	STEEL - ZINC	73267	
66	RS-22-1028	FRAME - 22"	1	1	1	1	17-4 PH S/S	H-925	
67	RS-1218	SHOCK CUSHION - 1.4" THICK	1	1	1	1	BUNA N	80 DURO	
68	RS-1055	CLEVIS NUT	1	1	1	1	17-4 PH S/S	H-1025	
69	RS-1378	COTTER PIN 3/16" X 2"	1	1	1	1	316 S/S	98355A250	
70	RS-1155	LEFT HANDED JAM NUT	1	1	1	1	303 S/S		
71	AS-750P	COTTER PIN 3/16" X 1.25"	1	1	1	1	18-8 S/S		
72	RS-1780	GENERAL WARNING & INSPECTION LABEL	1	1	1	1	ALUM	ADHESIVE BACK	
73	RS-1011A	AXLE NUT - ADJUSTABLE	2	2	2	2	303 S/S		
74	RS-1272	SPIRAL PIN 1/4" X 1 1/4"	4	4	4	4	420 S/S	93740A422	
75	G2-22-303-O	REAR COVER PLATE - 22"	1	1	-	-	6061-T6 ALUM	P. C. ORANGE	
76	G2-22-303-Y	REAR COVER PLATE - 22" SEALED	-	-	1	1	6061-T6 ALUM	P. C. YELLOW	
77	G2-180	REFLECTOR	3	3	3	3	ALUM		
78	SB-137	7/16" FLAT WASHER	2	2	2	2	18-8 S/S	43NWSF3	
79	SB-138	NYLOC NUT 1/2"-13	1	1	1	1	18-8 S/S	91831A137	
80	RS-14/17-1049	O-RING INNER - 14"/17"/26"	-	-	2	2	BUNA - N	#223	
81	RS-26-1048	O-RING OUTER - 26"	-	-	2	2	BUNA - N	#235	
82	RS-26-1067S	O-RING SEAT - 26"	-	-	2	2	6061-T6 ALUM	HARD ANOD.	
83	RS-26-1045S	HUB SEALED - 26"	-	-	1	1	6061-T6 ALUM	HARD ANOD.	
84	RS-1039S	GREASE FITTING PLUG (1/8" NPT) (SEALED)	-	-	1	1	BRASS		

NOTES		CONFIDENTIALITY									
1 PREPACK ALL BEARINGS AND FILL CENTER OF HUB WITH GREASE (LBG-100). 2 PRELOAD BEARING BY TIGHTENING TO 250 IN. LBS., THEN TO NEXT HOLE. 3 LUBRICATE THESE PARTS W/ LIGHT MACHINE OIL. 4 COAT THESE THREADS WITH ANTI-SIEZE (RS-098) BEFORE ASSEMBLY. 5 USE PERMATEX LOCKS STUDS (LTS-100) ON THESE FASTENERS. 6 CRIMP FERRULES TO LANYARD WITH CAM-ACTION COMPRESSION TOOL. 7 TIGHTEN TILL HOLE IS VISIBLE THROUGH SLOT. TIGHTER IF CLEVIS SHAFT IS LOOSE. 8 AFTER INSERTION, BEND LEGS AROUND THE CLEVIS NUT. 9 APPLY PRIMER (LT-300), AND LOCKTITE (LT-200) ACCORDING TO DIRECTIONS. 10 FRONT PLATE (G2-110) USES G2-108 AND SHROUDED SPACER RING (G2-17-305) USES G2-113		THIS DRAWING IS THE CONFIDENTIAL PROPERTY OF WIRELINE TECHNOLOGIES, INC. IT IS FURNISHED FOR YOUR INFORMATION ONLY AND MUST NOT BE MADE PUBLIC. IT MUST NOT BE COPIED AND MUST BE RETURNED ON DEMAND. MANUFACTURE OF PARTS PER THIS DRAWING IS EXPRESSLY FORBIDDEN EXCEPT BY WRITTEN AUTHORIZATION FROM WIRELINE TECHNOLOGIES, INC. ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED AND PATENTS PENDING.		6	ADD NYLOS RING G2S MODEL	AS	28-MAR-24	DEPARTMENT	NAME	INITIAL	DATE
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				4	PLATES & TAPERED RINGS	DC	21-MAY-13	QUALITY	B. MACE		
				3	TAPERED SPACER RINGS	DC	20-MAY-13	MANUFACT.	M. DYSON		
				2	LABELS, SAFETY PIN ASSY	DC	17-MAY-12	PRODUCTION	A. DYSON		
				1	SCREWS, CHAIN, B L PINS	D. C.	29-JULY-10				
				#	DESCRIPTION	INITIAL	DATE				
								DWG #		G2-22-ASSY	
										REV - 6	
 Wireline TECHNOLOGIES 2140 NORTH REDWOOD ROAD #60 SALT LAKE CITY, UT 84116 TEL. (801) 323 - 5533 FAX. (801) 323 - 7033 22" GENERATION 2 SHEAVE ASSEMBLY											