


REV	DATE	MODIFICA	DRAWER
0	23/02/2009	FIRST ISSUE	GM
01	01/04/2009	ADDITION POS 76,77	LS
02	04/06/2009	ADDED POS. 78,79	GF
03	06/07/2009	ADDED HS SCREWS FOR CARDAN JOINT POS.80,81	VS



Material List of Drw: 12834 - 5500

Title: MAIN HOIST ASSEMBLY

Ref. Drw 12834 - 5000 Ref. Pos: 9

Item\Fam: 0600 Groups for crane: 1

Material Handling Engineering																	
Data: 07-lug-09				Project: 12834		Job: 18033		Mat List of Drw: 5500		Ref. Drw: 5000 - 12834		Ref. Pos: 9		Item\Fam : 0600		Groups for crane: 1	
Customer: PIRAEUS PORT AUTHORITY - RMG 40t				Title: MAIN HOIST ASSEMBLY													
POS	DRW N°	ELECTRICAL CODE	DESCRIPTION	MATERIAL	NOTE FUNCTION	DIMENSIONS	Qty in Drw	Weight in Drw	Qty for 1 Crane	Qty for Job	RAM	ORD	SUPPLIED BY	MADE BY	ITEM FAM	REV	
1	12834 - 5520		DRUM 1				1	1749	1	8					06	11	01
2	12834 - 5501		DRUM 2				1	1749	1	8					06	11	01
3	12834 - 5507		DRUM SUPPORT				2	344	2	16					06	10	
4	12834 - 5506		DRUM SUPPORT				2	458	2	16					06	10	
5	12834 - 5513		SPACER				2	3	2	16					06	82	
6	12834 - 5514		SPACER				4	4	4	32					06	82	
7	12834 - 5515		OPEN COVER				4	18	4	32					06	82	
8	12834 - 5511		END T PLATE				2	3	2	16					06	82	
10	12834 - 5509		SPACER				2	10	2	16					06	82	
11	12834 - 5508		OPEN COVER				4	44	4	32					06	82	
12	12834 - 5510		SPACER				4	14	4	32					06	82	
13	12834 - 5580		ROPE GUIDE LEFT				2	283	2	16					06	00	
14	12834 - 5590		ROPE GUIDE RIGHT				2	283	2	16					06	00	
15	12834 - 5516		DISK BRAKE SUPPORT RIGHT				1	154	1	8					06	82	
16	12834 - 5517		DISK BRAKE SUPPORT LEFT				1	154	1	8					06	82	
17	12834 - 5528		SPACER				2	4	2	16					06	82	
18	12834 - 5529		SPACER				2	0,4	2	16					06	82	
19	12834 - 5530		HUB				2	46	2	16					06	82	
20	12834 - 5532		WASHER				2	1,4	2	16					06	82	
21	12834 - 5750		HOISTING CONTROLS 1				1	50	1	8					06	82	
22	12834 - 5751		HOISTING CONTROLS 2				1	13	1	8					06	82	

Material Handling Engineering

Material Handling Engineering																		
Data: 07-lug-09 Project: 12834 Job: 18033 Mat List of Drw: 5500 Ref. Drw: 5000 - 12834 Ref. Pos: 9 Item\Fam : 0600 Groups for crane: 1																		
Customer: PIRAEUS PORT AUTHORITY - RMG 40t Title: MAIN HOIST ASSEMBLY																		
POS	DRW N°	ELECTRICAL CODE	DESCRIPTION	MATERIAL	NOTE	FUNCTION	DIMENSIONS	Qty in Drw	Weight in Drw	Qty for 1 Crane	Qty for Job	RAM	ORD	SUPPLIED BY	MADE BY	ITEM	FAM	REV
23	12834 - 5521		TORQUE ARM					2	36	2	16					06	82	
24	12834 - 5522		PIN					2	4	2	16					06	82	
25	12834 - 5523		TORQUE ARM BRACKET					2	20	2	16					06	82	
26			LOAD CELL					2	4	2	16			ROKAS		06	81	
27	12834 - 5524		KEY PLATE					8	1	8	64					06	82	
28			GEAR COUPLING			ROTEX 90 Standard		2	92	2	16			ROKAS	KTR	06	81	
29	12834 - 5527		COVER					2	2	2	16					06	82	
30	12834 - 5500		GEAR REDUCER			PLD 42 R 11 H 23/24 29,2 i=1:29,2		2	4460	2	16		9591	OMG	BREVINI	06	12	
31	12834 - 5500		MOTOR			M3BP 315 LKA6- 160KW - 1000/2000 rpm		2	2400	2	16			ROKAS	ABB	09	02	
32	12834 - 5500		SERVICE BRAKE			USB 3-I - ED80/6 - EB800/60 Mmax.3360Nm		2	160	2	16		9597	OMG	SIBRE	06	13	
33	12834 - 5500		DISK BRAKE HUB			N9000 - Ø500x30 - Mmax.9000Nm		2	112	2	16		9597	OMG	SIBRE	06	13	
34	12834 - 5500		EMERGENCY BRAKE			SHI 202 - Max.rpm2600 - F=220kN - Mbr=103840Nm		2	720	2	16		9597	OMG	SIBRE	06	14	
35	12834 - 5533		CARDAN JOINT			TYPE 687.35		1	80	1	8			ROKAS	GWB	06	81	
36			CARTER FOR EMERGENCY BRAKE					2	58	2	16					06	84	
37			CARTER FOR SERVICE BRAKE					2	20	2	16					06	84	
38			CARTER FOR GEAR COUPLING					2	20	2	16					06	84	
39			CARTER FOR CARDAN JOINT					1	40	1	8					06	84	
40	12834 - 5500		BEARING			22222E1	110x200x53	2	14	2	16				FAG	06	10	
41	12834 - 5500		BEARING			23044MB	220x340x90	2	64	2	16				FAG	06	10	
42	12834 - 5500		SEAL RING			COD.10013010	130x160x12	4	1	4	32				ANGST+PFISTEJ	06	81	
43	12834 - 5500		SEAL RING			COD.10024005	240x270x15	4	1	4	32				ANGST+PFISTEJ	06	81	
50	12834 - 5500		SCREW	A4-AISI316			DIN931 M12x50	12	2	12	96					06	81	
51	12834 - 5500		WASHER	A4-AISI316			DIN127 A13	46	2	46	368					06	81	03
52	12834 - 5500		SCREW	A4-AISI316			DIN931 M12x40	18	2	18	144					06	81	

Material Handling Engineering			Data: 07-lug-09	Project: 12834	Job: 18033	Mat List of Drw: 5500	Ref. Drw: 5000 - 12834	Ref. Pos: 9	Item\Fam : 0600	Groups for crane: 1						
			Customer: PIRAEUS PORT AUTHORITY - RMG 40t			Title: MAIN HOIST ASSEMBLY										
POS	DRW N°	ELECTRICAL CODE	DESCRIPTION	MATERIAL	NOTE FUNCTION	DIMENSIONS	Qty in Drw	Weight in Drw	Qty for 1 Crane	Qty for Job	RAM	ORD	SUPPLIED BY	MADE BY	ITEM FAM	REV
53	12834 - 5500		AIR VALVE			1/8"GAS	8		8	64					06	81
54	12834 - 5500		SCREW	8,8	HOT DIP GALVANIZED	DIN931 M16x40	36	3	36	288					06	81
55	12834 - 5500		WASHER	C70	HOT DIP GALVANIZED	DIN127 A17	44	1	44	352					06	81
56	12834 - 5500		SCREW	8,8	HOT DIP GALVANIZED	DIN931 M24x90	48	20	48	384					06	81
57	12834 - 5500		NUT	8	HOT DIP GALVANIZED	DIN934 M24	52	5	52	416					06	81
58	12834 - 5500		WASHER	C70	HOT DIP GALVANIZED	DIN127 A25	52	1	52	416					06	81
59	12834 - 5500		SCREW	8,8	HOT DIP GALVANIZED	DIN931 M27x120	16	10	16	128					06	81
60	12834 - 5500		NUT	8	HOT DIP GALVANIZED	DIN934 M27	16	2	16	128					06	81
61	12834 - 5500		WASHER	C70	HOT DIP GALVANIZED	DIN127 A28	16	1	16	128					06	81
62	12834 - 5500		SCREW	8,8	HOT DIP GALVANIZED	DIN931 M16x60	8	1	8	64					06	81
63	12834 - 5500		NUT	8	HOT DIP GALVANIZED	DIN934 M16	8		8	64					06	81
64	12834 - 5500		SCREW	8,8	HOT DIP GALVANIZED	DIN931 M30x110	16	14	16	128					06	81
65	12834 - 5500		NUT	8	HOT DIP GALVANIZED	DIN934 M30	16	3	16	128					06	81
66	12834 - 5500		WASHER	C70	HOT DIP GALVANIZED	DIN127 A31	16	1	16	128					06	81
67	12834 - 5500		SCREW	A4-AISI316		DIN933 M8x35	40	1	40	320					06	81
68	12834 - 5500		NUT	A4-AISI316		DIN934 M8	40		40	320					06	81
69	12834 - 5500		WASHER	A4-AISI316		DIN127 A8,4	40		40	320					06	81
70	12834 - 5500		SQUARE TAPER WASHER	A4-AISI316		DIN434 Ø9	4		4	32					06	81
71	12834 - 5500		SCREW	A4-AISI316		DIN934 M12x25	16	4	16	128					06	81 03
72	12834 - 5500		SCREW	8,8	HOT DIP GALVANIZED	DIN931 M24x160	4	1	4	32					06	81
73	12834 - 5500		SCREW	8,8	HOT DIP GALVANIZED	DIN931 M20x30	2		2	16					06	81
74	12834 - 5500		WASHER	C70	HOT DIP GALVANIZED	DIN127 A21	2		2	16					06	81
75	12834 - 5500		HEXAGON SOCKET	12,9	HOT DIP GALVANIZED	DIN916 M12x40	4		4	32					06	81
76	12834 - 5541		PLATE	S355JO or EQUIVALENT	PL20	220x170	2	11	2	16					06	82 01

Material Handling Engineering			Data: 07-lug-09	Project: 12834	Job: 18033	Mat List of Drw: 5500	Ref. Drw: 5000 - 12834	Ref. Pos: 9	Item\Fam : 0600	Groups for crane: 1							
			Customer: PIRAEUS PORT AUTHORITY - RMG 40t	Title: MAIN HOIST ASSEMBLY													
POS	DRW N°	ELECTRICAL CODE	DESCRIPTION	MATERIAL	NOTE FUNCTION	DIMENSIONS	Qty in Drw	Weight in Drw	Qty for 1 Crane	Qty for Job	RAM	ORD	SUPPLIED BY	MADE BY	ITEM	FAM	REV
77	12834 - 5540		LOAD CELL PRELOAD	SEE M.L.		SEE M.L.	2	40	2	16					06	82	01
78	12834 - 5500		SCREW	8.8	HOT DIP GALVANIZED	DIN933 M20x80	8	1	8	64					06	81	02
79	12834 - 5500		NUT	8	HOT DIP GALVANIZED	DIN934 M20	8	3	8	64					06	81	02
80	12834 - 5500		HEX SCREW	10.9	HOT DIP GALVANIZED	DIN933 M12X30	16		16	128					00	00	
81	12834 - 5500		WASHER	C70	HOT DIP GALVANIZED	DIN127 A13	16		16	128					00	00	03

WEIGHT FOR CRANE [kg]: 13822,8