



Parts List					
ITEM	QTY	TITLE	PART NUMBER	MATERIAL	MASS (k)
1	1	Frame Structure	AF64-1010M10	Welded Steel S355	771,1
2	1	Lifting Joint Assembly	AF64-1011M01	(S165M)	31,1
3	1	ROV Latch assembly	AF64-1017M01	(S165M)	83,0
4	1	Cursor Top - welded assembly	AF64-1014M01	Welded Stl.S355	385,4
5	1	ROV-Bullet joint	AF64-1018M01		25,6
6	2	Wide-bow Shackle	SWL6,5T	Steel, Alloy	1,8
7	12	Bolt-M16 x 60	DIN 931-1	A4-80	0,1
8	12	Bolt M16 x 90	DIN 931-1	A4-80	0,2
9	48	Washer M16	DIN 125	A4	0,0
10	24	Nut M16	DIN 985	A4	0,0
11	6	Bolt M12x60	DIN 912	A4	0,1
12	6	Washer M12	DIN 125	A4	0,0
13	6	Nut M12	DIN 985	A4	0,0

- Notes & General Requirements:**
- Ref. drawing AF64-1000M03, "TMS Frame - Lifting Arrangement & Load Test" for general specifications and basic load testing requirements.
  - Design & Certification:  
DNV Standard for Certification No 2.22, Lifting Appliances.
  - Safe Working Loads:  
- Cursor Frame & Attachment: SWL 12T
  - Load testing: 2xSWL, (prior to surface treatment)  
Load applied to Cursor Frame: 2 x SWL 12T = 24T  
distributed at 3 positions, min 30mm wide, spaced 120° around upper circumferential plate as indicated.
  - Load testing shall preferably be performed with "Latch Assembly" (3) fitted and ROV-Bullet (4) grounded, or with suitable substitute flange and attachment for grounding.
  - Calculated Frame Assembly weight: ~1300kg  
Calculated TMS Assembly weight: ~2400kg
  - Bolt tightening Torques (Grade A4-80):  
M12 - 76Nm  
M16 - 187Nm

3	01.03.2016	Updated PL, + Note 7, re-IFC	MT	AHO	EKB
2	16.11.2015	Incl. ROV-Bullet, Re-is. for info.	MT	AHO	EKB
1	08.08.2015	Issued for information	MT		
Rev	Date	Description / Comments	Prep	Chk	Appr

## TMS KD-10

Drawing Title  
**TMS Frame**  
Cursor Lifting Arrangement & Load Test  
Cerification & Load Test Information

Scale  
**1:25**

File Name / Dwg. No  
**AF64-1002M03**

By  
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Sheet Size  
**A3**

Sheet No  
**1**  
of (sheets)