

6 5 4 3 2 1

D

D

C

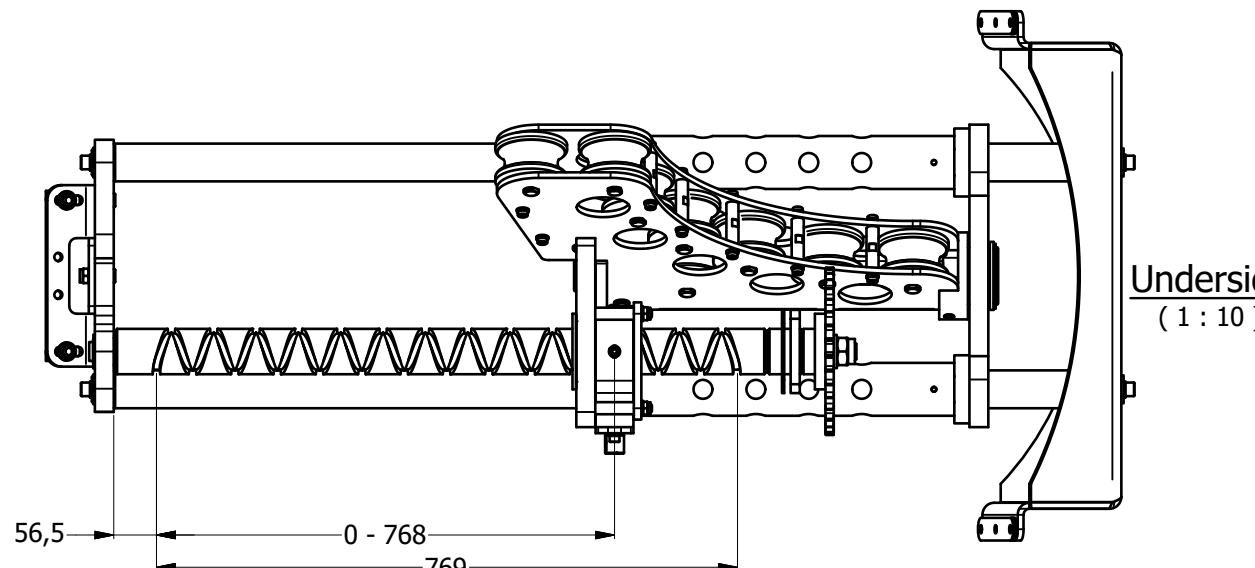
C

B

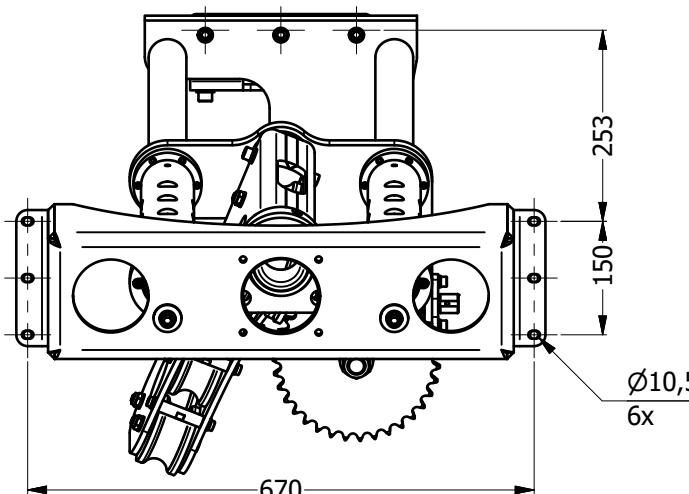
B

A

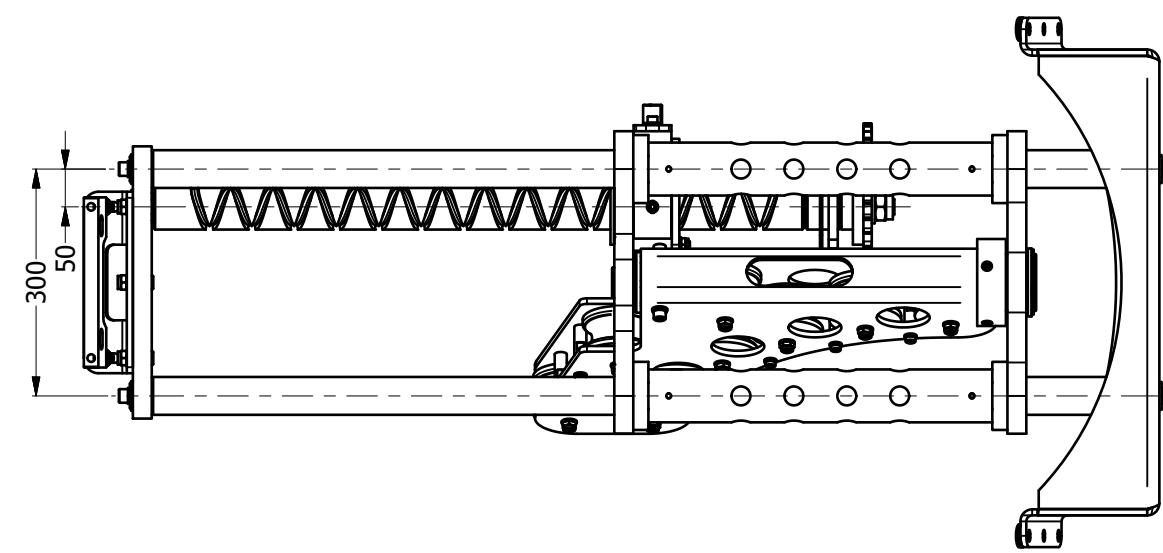
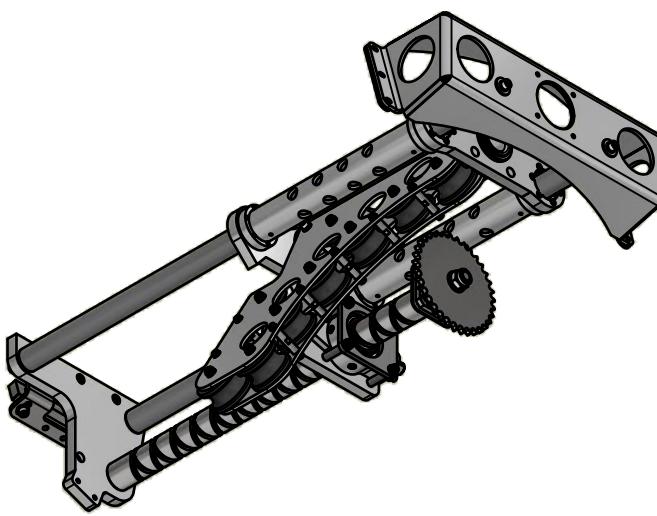
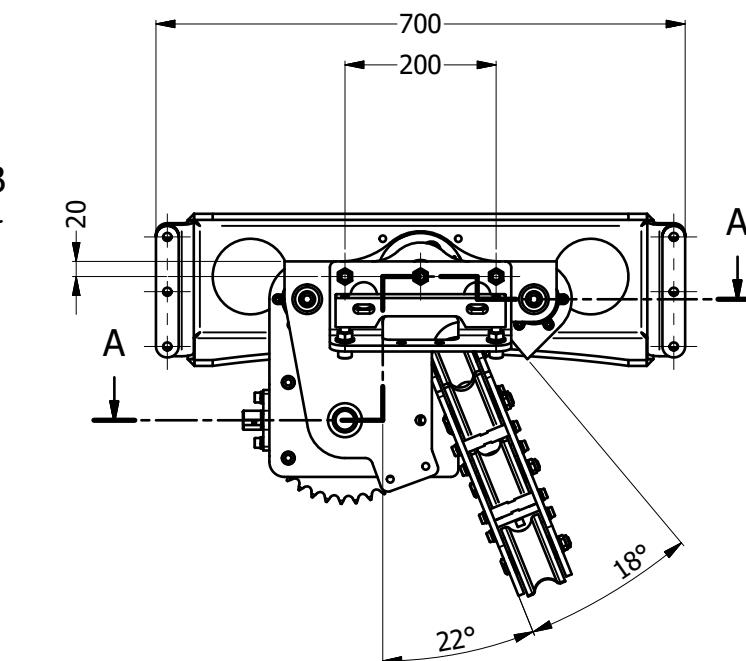
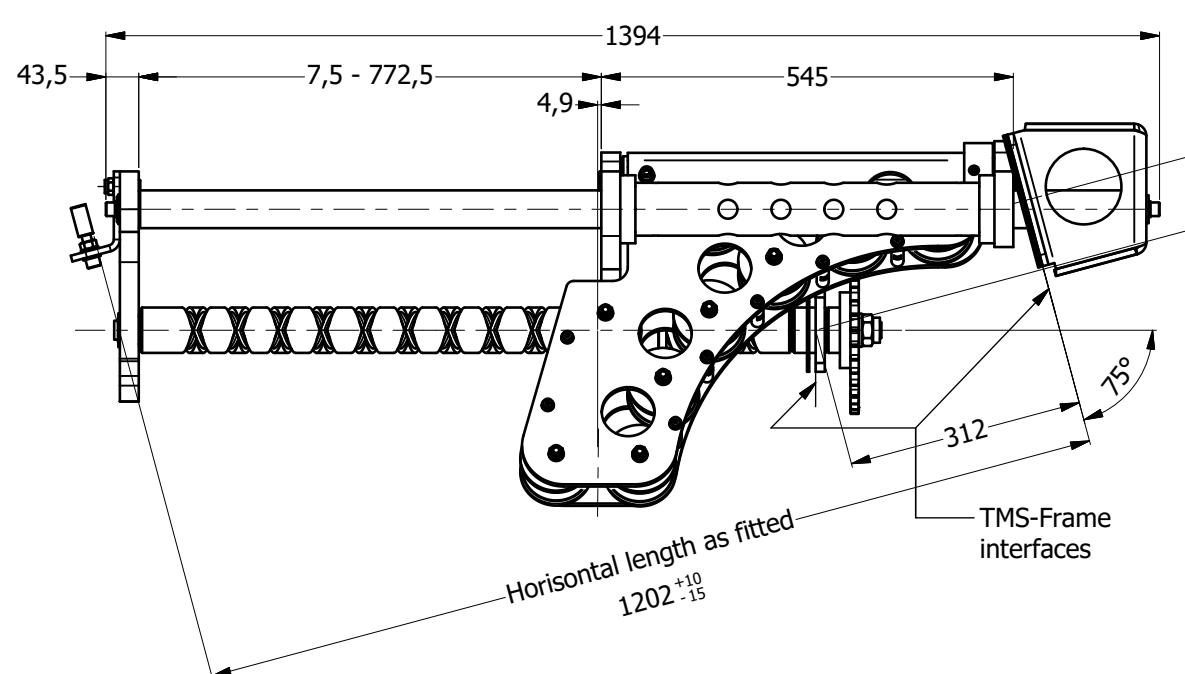
A



**Underside**  
( 1 : 10 )



**View B**  
(as fitted 15°)  
( 1 : 10 )



Calculated Assembly weight: 80 kg

Suitable for Tether dia. Ø35mm  
Min Tether Bend-Radius: 450mm  
Full Spooling-stroke dist.: 768mm  
No. of Turns Diamond-screw: 14

See sheet 2 for Section view, Assembly details and Parts List

3'	02.02.2016	As Built (S No 01-03)	MT	AHO	EKB
3	28.12.2015	Mod. fasteners details, re-IFC	MT	AHO	EKB
2	06.10.2015	Mod. matl, add. shim, re-IFC	MT	AHO	EKB
1	01.09.2015	Issued for construction	MT	AHO	EKB
A	23.03.2015	Issued for review / comments	MT	AHO	EKB
Rev	Date	Description / Comments	Prep	Chk	Appr

## TMS KD-10

Drawing Title:  
**Spooling Device**  
**Spooling Device Assembly**  
**General Arrangement**



Sheet Size

**A3**

<b>KYSTDESIGN</b> SUB-SEA TECHNOLOGY WWW.KYSTDESIGN.NO	Scale <b>1:10</b>	Sheet No <b>1</b>
By TOLO ENGINEERING & DESIGN tolo@lyse.net (+47)99603153	File Name / Dwg. No <b>AF64-1013M01</b>	of (sheets) <b>2</b>

**Notes:**

- Items 6 and 7 (incl. adjacent parts) to be fitted after installation of the "Spooling Device" in the TMS Frame.
- Alignment of Diamond Screw (Item 5) parallel to "Guide Rods" (Item 1) to be performed during installation in TMS Frame, before fitting sprocket.

Use Alignment Tool, Part no. AF64-1013M45 fitted at sprocket shaft-end; release "Follower Ass'y" and move "Trolley assembly" to full rear end-stroke. Check Diamond Screw bearing function and alignment, prior to locking the "Diamond-screw Bearing Housing" (Item 6) to TMS Frame.

**Section A-A**  
Ref. sheet 1 for section reference /location  
(1 : 4)

No of shims as required to adapt to actual frame dim's and alignment to drum for proper spooling

**TMS KD-10**

**Drawing Title**  
**Spooling Device**  
**Spooling Device Assembly**  
**Assembly & Parts List**

Parts List					
ITEM	QTY	TITLE	PART NUMBER	MATERIAL	MASS
1	2	Guide Rod	AF64-1013M11	EN AW 6082-T6	7,1 kg
2	2	Bearing Sleeve	AF64-1013M12	EN AW 6082-T6	2,2 kg
3	1	Trolley Front section	AF64-1013M13	EN AW 6082-T6	4,6 kg
4	1	Trolley Rear section	AF64-1013M14	EN AW 6082-T6	1,8 kg
5	1	Diamond Screw Ø60xL765 P56 n13,5	AF64-1013M15 R2	S165M W1.4418	18,2 kg
6	1	Diamond-screw Bearing Housing	AF64-1013M16	AISI 316	1,3 kg
7	1	Sprocket 3/4" Z35	AF64-1013M17	AISI 316	4,0 kg
8	1	Bearing-housing Washer Plate	AF64-1013M18	AISI 316	0,2 kg
9	1	Spooling Roller Guide Ass'y (KD-20)	AF64-1013M20		11,4 kg
10	1	Front Pivot	AF64-1013M25	EN AW 6082-T6	0,5 kg
11	1	Rear Pivot	AF64-1013M26	EN AW 6082-T6	0,8 kg
12	1	Pivot bearing Disc	AF64-1013M27	AISI 316	0,1 kg
13	1	Follower Assembly	AF64-1013M30		3,8 kg
14	1	Front End Support	AF64-1013M41	EN AW 6082-T6	4,0 kg
15	1	Rear End Support	AF64-1013M42	Welded Aluminum	4,7 kg
16	6	Rear Support Shim	AF64-1013M46	AISI 316	0,1 kg
17	1	Front Attachment assembly	AF64-1013M50		3,1 kg
18	4	Linear bearing	Iglidur J-liner JUM-01-50	Iglidur	0,1 kg
19	1	Parallel Key 10x8x32	DIN 6885 - A10x8x32	AISI 316	0,0 kg
20	2	Flange Bushing Ø32x36x15	Iglidur XFM-3236-15	Iglidur X	0,0 kg
21	2	Flange Bushing d75x80x14	Iglidur XFM-7580-14 (mod)	Iglidur X	0,0 kg
22	3	Flange Bushing d40x44x22	Iglidur XFM-4044-22	Iglidur X	0,0 kg
24	1	Seeger ring 75 x 2,5	DIN 471	A2	0,0 kg
25	3	Set screw M10x30	DIN 916	A4	0,0 kg
26	24	Bolt M6x35	DIN 912	A4	0,0 kg
27	2	Bolt M10x25	DIN 912	A4	0,0 kg
28	4	Bolt M10x90	DIN 912	A4	0,1 kg
29	1	Bolt M12x20	DIN 912	A4	0,0 kg
30	7	Bolt M12x35	DIN 912	A4	0,1 kg
31	4	Nut M10	DIN 985	A4	0,0 kg
32	3	Nut M12	DIN 985	A4	0,0 kg
33	1	Nut M24	DIN 985	A4	0,1 kg
34	24	Washer M6	DIN 125	A4	0,0 kg
35	6	Washer M10	DIN 125	A4	0,0 kg
36	2	Washer M12	DIN 9021	A4	0,0 kg
37	1	Washer M24	DIN 125	A4	0,0 kg
38	24	Spring Washer Ø6	DIN 127	A4	0,0 kg
39	2	Spring Washer Ø10	DIN 127 - A 10	A4	0,0 kg
40	4	Spring Washer Ø12	DIN 127 - A 12	A4	0,0 kg
42	2	Guide-rod Cap	AF64-1013M19	AISI 316	0,1 kg

**Sheet Size**  
**A3**

**Sheet No**  
**2**

**Scale**  
**1:10**

**File Name / Dwg. No**  
**AF64-1013M01**

**of (sheets)**  
**2**

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