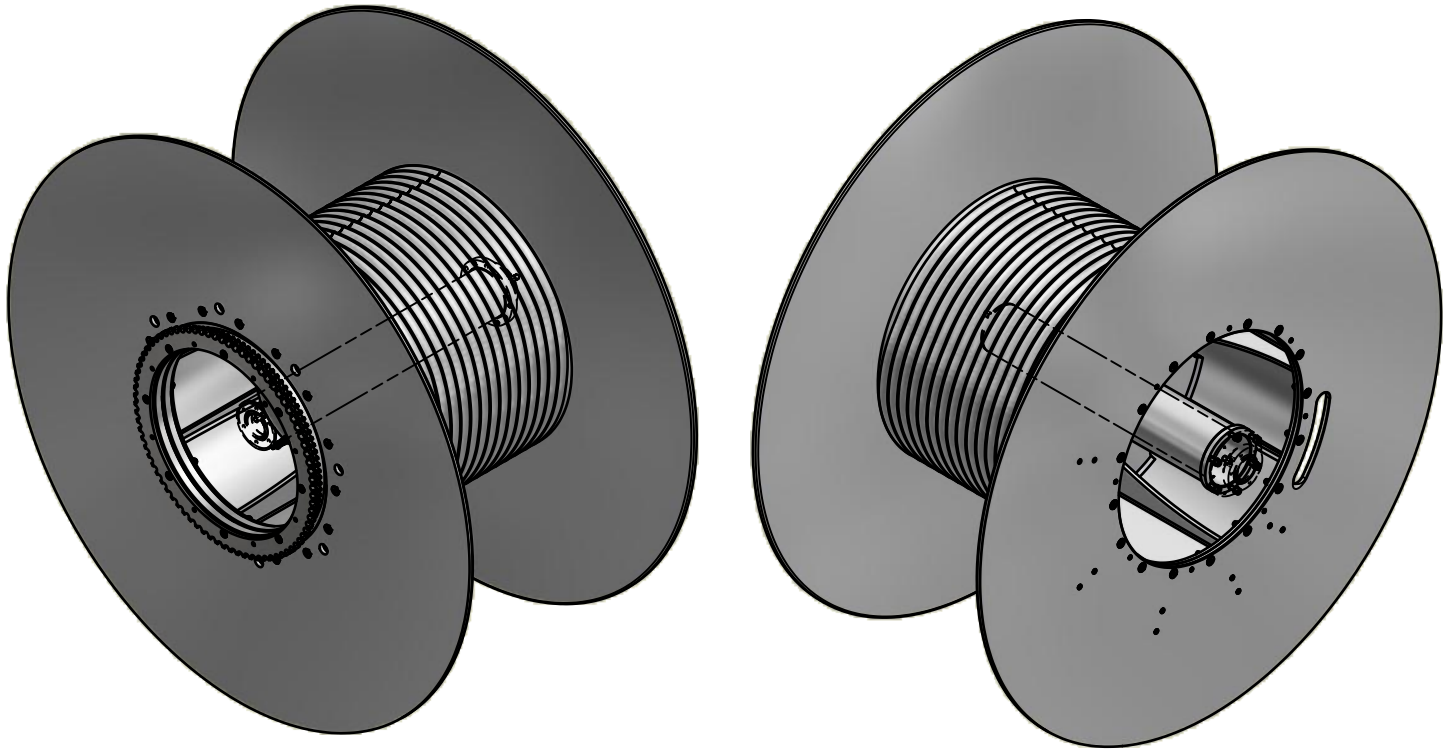


Ref sheet 2 for sectional view, assembly details and parts list.

Calculated assembly weight: 371 kg
Calculated average assembly density: 2,78 g/cm³

Tether Capacity:

- Tether OD35mm
@ 22 coils per layer / 13 layers
- 1. layer: 57,7m Accumulated 57,7m
 - 2. layer: 61,9m Accumulated 119,6m
 - 3. layer: 66,0m Accumulated 185,6m
 - 4. layer: 70,2m Accumulated 255,8m
 - 5. layer: 74,3m Accumulated 330,6m
 - 6. layer: 78,5m Accumulated 409,1m
 - 7. layer: 82,6m Accumulated 491,7m
 - 8. layer: 86,8m Accumulated 578,5m
 - 9. layer: 90,9m Accumulated 669,4m
 - 10. layer: 95,1m Accumulated 764,5m
 - 11. layer: 99,2m Accumulated 863,7m
 - 12. layer: 103,4m Accumulated 967,1m
 - 13. layer: 107,5m **Accumulated 1074,1m**



3'	10.02.2016	Updated tether capacity	MT	AHO	EKB
3	18.12.2015	rearranged sprockets, re-IFC	MT	AHO	EKB
2	16.10.2015	Updated, reissued for constr.	MT	AHO	EKB
1	13.05.2015	Issued for construction	MT	AHO	EKB
A	27.04.2015	Issued for revier / comments	MT	AHO	EKB
Rev	Date	Description / Comments	Prep	Chk	Appr

TMS KD-10

Drawing Title

Drum Arrangement Installation Assembly General Arrangement

Scale

1:10

File Name / Dwg. No

AF64-1012M01

By

TOLO ENGINEERING & DESIGN tolo@lyse.net (+47)99603153

Sheet Size

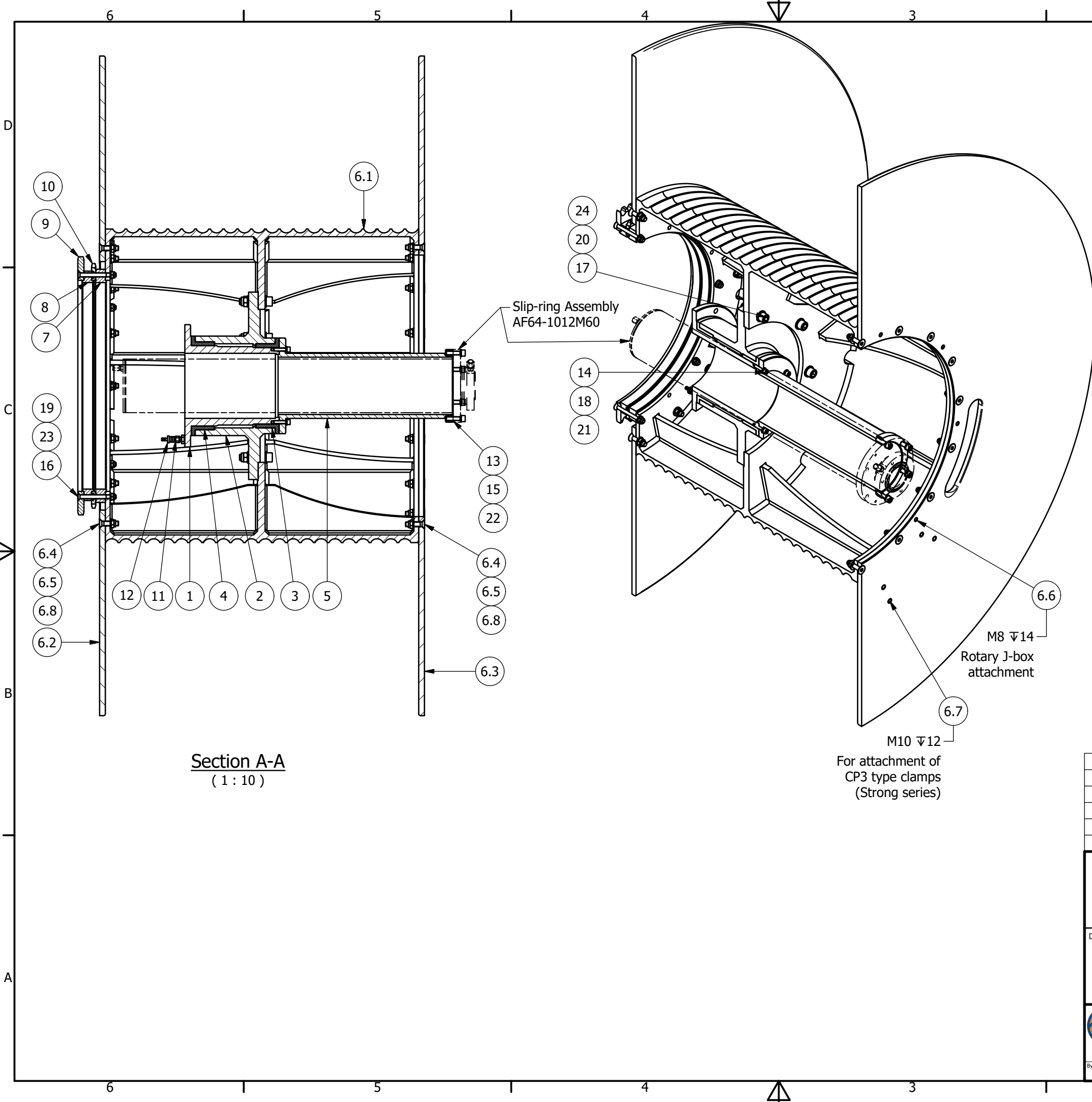
A3

Sheet No

1

of (sheets)

2



Section A-A
(1 : 10)

Parts List					
ITEM	QTY	TITLE	PART NUMBER	MATERIAL	MASS (k
1	1	Bearing shaft	AF64-1012M11	S165M W1.4418	25,8
2	1	Hub	AF64-1012M12	EN AW 6082-T6	17,9
3	1	Drum Inner Bearing	AF64-1012M15	Marine Fabric-composite	0,6
4	1	Drum Outer Bearing	AF64-1012M16	Marine Fabric-composite	0,7
5	1	Slip-ring Barrell	AF64-1012M17	EN AW 6082-T6	7,7
6	1	Drum Subassembly	AF64-1012M20		288,6
6.1	1	Drum Core - Lebus finish	AF64-1012M22	EN AW 6082-T6	125,7
6.2	1	Sidewall A (inner)	AF64-1012M23	EN AW 6082-T6	81,1
6.3	1	Sidewall B (outer)	AF64-1012M24	EN AW 6082-T6	79,2
6.4	32	Bolt M12 x 50	DIN 7991	A4	0,1
6.5	32	Nut M12	DIN 985	A4	0,0
6.6	8	Ensat-S 302 - M08	302 000 080 050	A4	0,0
6.7	8	Ensat-S 302 - M10	302 000 100 050 mod.	A4	0,0
6.8	32	Washer M12	DIN 125	A4	0,0
7	1	Sprocket adaptor ring	AF64-1012M31	EN AW 6082-T6	4,3
8	1	Sprocket spacer ring	AF64-1012M32	EN AW 6082-T6	3,1
9	1	Sprocket 1" Z82	AF64-1012M33	AISI 316	12,9
10	1	Sprocket 3/4" Z104	AF64-1012M34	AISI 316	6,0
11	1	Male Connector, Swagelok	ss-400-1-4rs	AISI 316	0,0
12	1	Hose-connector, Swagelok	SS-PB4-TA4	AISI 316	0,0
13	6	Ensat-S 302 - M10	302 000 100 050	A4	0,0
14	6	Bolt M8x35	DIN 912	A4	0,0
15	6	Bolt M10x40	DIN 912	A4	0,0
16	8	Bolt M10 x 100	DIN7991	A4	0,1
17	8	Bolt M16 x 70	DIN 912	A4	0,2
18	6	Washer M8	DIN 125	A4	0,0
19	8	Washer M10	DIN 125	A4	0,0
20	16	Washer M16	DIN 125	A4	0,0
21	6	Spring Washer Ø8	DIN 127	A4	0,0
22	6	Spring Washer Ø10	DIN 127 - A 10	A4	0,0
23	8	Nut M10	DIN 985	A4	0,0
24	8	Nut M16	DIN 985	A4	0,0


Notes:
1. Assembly as shown is as installed in TMS frame. Installation and assembly sequence should start with Bearing Shaft (Item 1) fitted to TMS frame.
2. Hose connector (item 15) to be fitted with suitable hose extended to accessible area in TMS frame for connection of water supply for flushing and lubrication of drum bearings at "dry" operations (spooling and service).
Calculated assembly weight; 371 kg
Calculated assembly density; 2,78 g/cm^3

3'	10.02.2016	Updated tether capacity	MT	AHO	EKB
3	18.12.2015	rearranged sprockets, re-IFC	MT	AHO	EKB
2	16.10.2015	Updated, reissued for constr.	MT	AHO	EKB
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Rev	Date	Description / Comments	Prep	Chk	Appr

TMS KD-10

Drawing Title

Drum Arrangement
Installation Assembly
Assembly & Parts List



SUB-SEA TECHNOLOGY

WWW.KYSTDESIGN.NO

Scale

1:10

File Name / Dwg. No

AF64-1012M01

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Sheet Size

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Sheet No

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of (sheets)

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