


# USER MANUAL FOR SUBSEA LIFTING PLATFORM

**Document title** : *UMA-7259-002 Subsea Lifting Platform*  
**IKM TECHNOLOGY AS ref.** : *P7259*  
**Customer ref.** : *Subsea Tool*




**IKM Technology AS**

Rev.	Date	Reason For Issue	Prepared	Checked	Approved
01	20.06.2016	Issued for use	KF	RH	KF

<b>BTE.12-26 User Manual</b>				<b>Page 2 of 13</b>	
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<b>Author:</b>	Gabrielsen Trine (Technique)	<b>Owner:</b>	IKM Administrator		
<b>Approved by:</b>	Reinsnos Jostein (Technique)	<b>Company:</b>	IKM Technique AS		

USER MANUAL FOR SUBSEA LIFTING PLATFORM.....	1
1 GENERAL INFORMATION.....	3
1.1 Abbreviations.....	4
1.2 References .....	5
2 TECHNICAL SPESIFICATION .....	6
3 SAFETY .....	7
3.1 General – Operations.....	7
3.2 General – Mechanical.....	7
4 OPERATIONAL DESCRIPTION .....	8
4.1 Preparation on the vessel prior to operations.....	8
4.2 Operation.....	8
5 MAINTENANCE.....	9
6 SPARE PART LIST .....	10
7 REVISION CHANGES .....	11
8 CONTACT INFORMATION .....	11
9 APPENDIX .....	12

<b>BTE.12-26 User Manual</b>				<b>Page 3 of 13</b>
<b>Dok.ID:</b>	010984	<b>Issue date:</b>	2014.12.29	
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## **1 GENERAL INFORMATION**

This manual is a user manual for the Subsea Lifting Platform.


The Subsea Lifting Platform is a lightweight cage made of stainless steel, it is designed to lift various tools and equipment. It is made with a center pole for lifting or it can be lifted from its corners. The open platform makes it easy to load and unload equipment.

<b>BTE.12-26 User Manual</b>			<b>Page 4 of 13</b>
<b>Dok.ID:</b>	010984	<b>Issue date:</b>	2014.12.29
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## 1.1 Abbreviations


HPU	Hydraulic Power Unit
ROV	Remotely Operated Vehicle
kg	Kilo gram
mm	Milli meter
BSP	British standard pipe
JIC	Joint industry council
t	Tonn

<b>BTE.12-26 User Manual</b>				<b>Page 5 of 13</b>	
<b>Dok.ID:</b>	010984	<b>Issue date:</b>	2014.12.29		
<b>Approved date:</b>	2015.02.13	<b>Rev.no:</b>	002		
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## 1.2 References

<b>Doc nr</b>	<b>Description</b>	<b>Rev.</b>	<b>Issued</b>	<b>Can be found</b>
7259-002 rev-02	Drawing of Subsea Lifting Platform	02	26.05.15	Appendix A

<b>BTE.12-26 User Manual</b>				<b>Page 6 of 13</b>	
<b>Dok.ID:</b>	010984	<b>Issue date:</b>	2014.12.29		
<b>Approved date:</b>	2015.02.13	<b>Rev.no:</b>	002		
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## 2 TECHNICAL SPESIFICATION

The Subsea Lifting Platform consist mainly of a centre lifting pole and platform frame with forklift pocket holes.

### **Weight:**

Gross weight 900 kg.

Capacity 2000 kg.

Allowed total weight 2900 kg.

### **Maximum dimensions:**


Height: 1622 mm.

Width: 2000 mm.

Depth: 2000 mm.

For more information please see the drawing of the platform in Appendix A.

<b>BTE.12-26 User Manual</b>				<b>Page 7 of 13</b>	
<b>Dok.ID:</b>	010984	<b>Issue date:</b>	2014.12.29		
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### **3 SAFETY**

#### **3.1 General – Operations**

Only authorised people and qualified personnel should work on the system, and take suitable precautions to prevent any potential injuries. Always adhere to authorised working practices, and use the correct tools for the job. To facilitate this, make sure that these are available before commencing the test.

Ensure that the working area is kept clear and uncluttered.

#### **3.2 General – Mechanical**

Beware of and keep clear of all moving components. Do not work on the system whilst power is applied, or if there is any potential for components to move.


Ensure that all load bearing components are adequately and regularly inspected. If damage is found the component must be repaired/replaced as necessary. Do not allow damaged components to remain in service.

Always ensure that items are correctly and adequately supported before removal, and that authorised lifting equipment and procedures are used.

Note: trying to lift heavy components in an awkward position by hand without the assistance of correct lifting equipment, or lifting any component without adopting the correct stance, can lead to serious injury.

Ensure that when working within or underneath the machine that your presence is known to your supervisor. If working underneath the machine, always ensure that there are no loose or unsupported assemblies, components or tools above.

<b>BTE.12-26 User Manual</b>				<b>Page 8 of 13</b>
<b>Dok.ID:</b>	010984	<b>Issue date:</b>	2014.12.29	
<b>Approved date:</b>	2015.02.13	<b>Rev.no:</b>	002	
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## 4 OPERATIONAL DESCRIPTION

The following description is a generic description of preparation and use of the Subsea Lifting Platform. Customers are advised to adapt the following information to their own specific operations and specific work area.

### 4.1 Preparation on the vessel prior to operations

- Unpack all parts and check for transport damages
- Verify that all parts on equipment list is present
- Carefully check the lifting pole, bolts, lifting point etc.
- Use only certified lifting equipment in good condition.

### 4.2 Operation

The following steps are to be regarded as guidelines for operation. Operator of the tooling must adapt the steps into their own operations procedure.

- Loading of the basket should be in such way that it stays in place while raising and lowering.
- The central mass point should be in the middle of the cage.
- The equipment must be placed in such way that they are easy to take out while subsea.
- Be sure to not exceed maximum load limit.
-



<b>BTE.12-26 User Manual</b>				<b>Page 9 of 13</b>	
<b>Dok.ID:</b>	010984	<b>Issue date:</b>	2014.12.29		
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## 5 MAINTENANCE


- Clean the tool/platform with fresh water.
- Check bolts, lifting point etc.

<b>BTE.12-26 User Manual</b>				<b>Page 10 of 13</b>	
<b>Dok.ID:</b>	010984	<b>Issue date:</b>	2014.12.29		
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## 6 SPARE PART LIST

- Lifting arms.
- Walls.
- Nuts and bolts.
-

<b>BTE.12-26 User Manual</b>				<b>Page 11 of 13</b>	
<b>Dok.ID:</b>	010984	<b>Issue date:</b>	2014.12.29		
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## 7 REVISION CHANGES

<b>Revision</b>	<b>Procedure change</b>	<b>Author</b>
01	<i>Original version</i>	KF


## 8 CONTACT INFORMATION

All enquiries relating to the tooling should be addressed to:

IKM Technology AS  
 Nordlysveien 7,  
 N-4340 Bryne  
 Norway

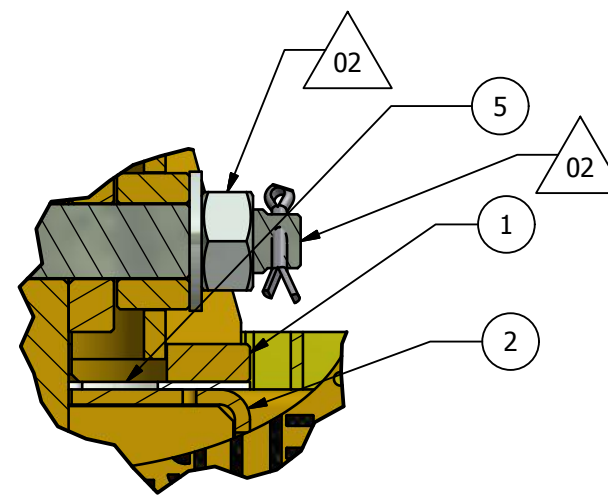
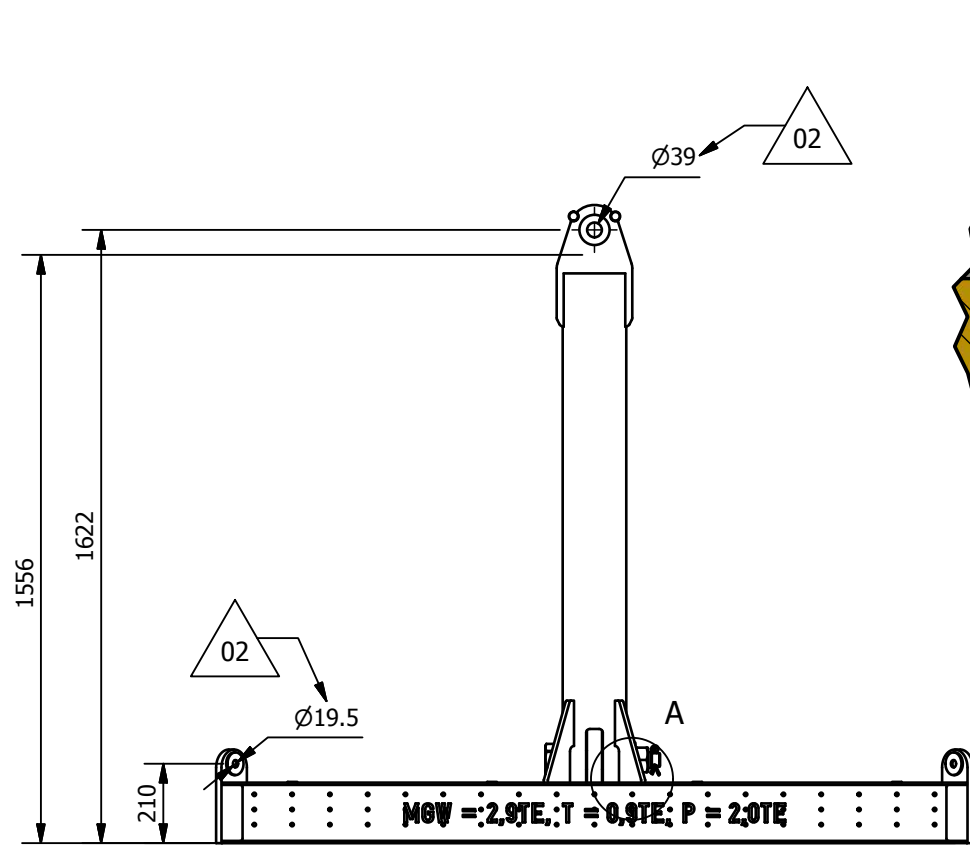
Phone, 24/7 : +47 51 80 05 20  
 Mail : IKMtechnology@IKM.no

<b>BTE.12-26 User Manual</b>				<b>Page 12 of 13</b>	
<b>Dok.ID:</b>	010984	<b>Issue date:</b>	2014.12.29		
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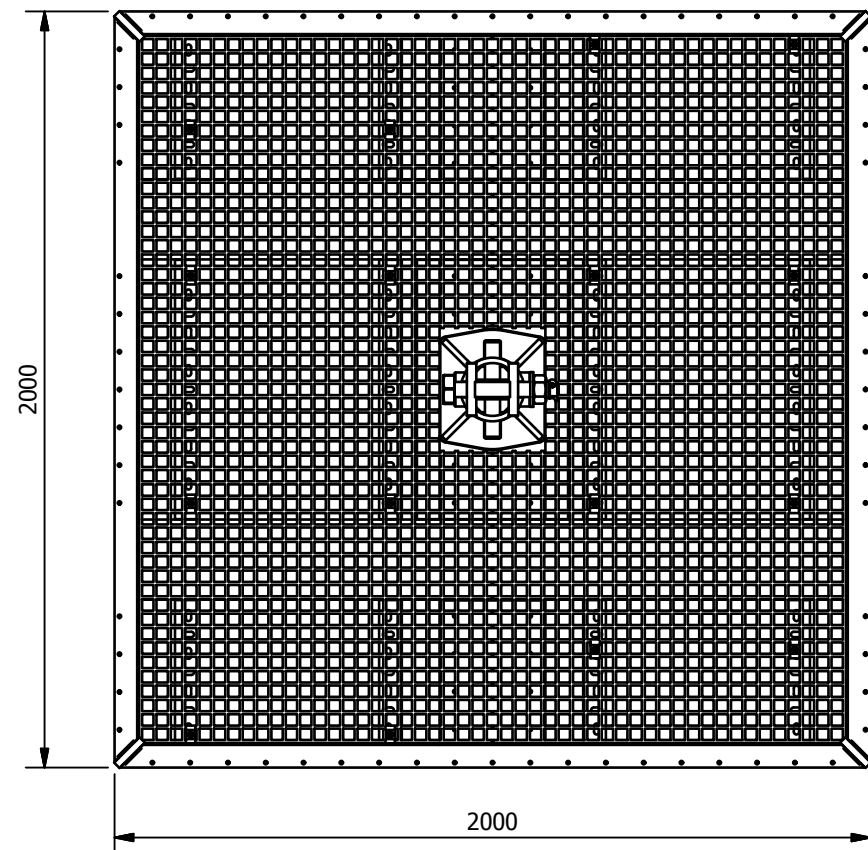
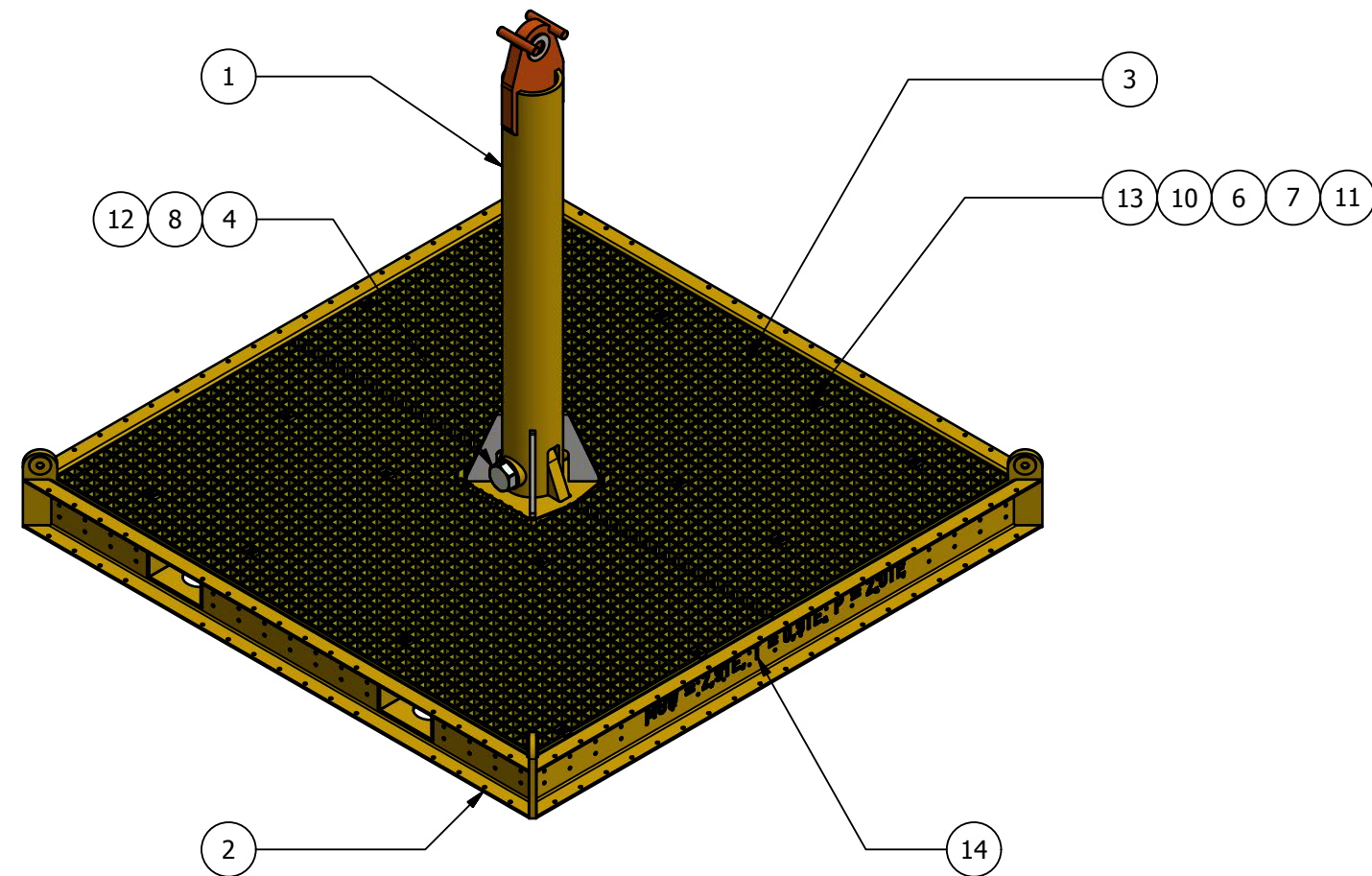


## 9 APPENDIX

	<b>Doc number</b>	<b>Description</b>	<b>Rev</b>
<i>Appendix A</i>	<i>7259-002 rev-2</i>	<i>Drawing of Subsea Lifting Platform</i>	<i>02</i>
<i>Appendix B</i>			
<i>Appendix C</i>			



A (1:5)




PARTS LIST					
ITEM	QTY	PART NUMBER	MATERIAL	MASS	DESCRIPTION
1	1	7259-011		107.72 kg	SINGLE LIFT POLE
2	1	7259-012		296.9 kg	LIFTING FRAME
3	2	7259-117	GRP	23.51 kg	GRATING
4	1	7259-146	Stainless Steel, S165M	4.67 kg	LIFTING POLE BOLT
5	1	7259-209	PEHD 1000 ( natural / white )	0.27 kg	PAD FOR LOWER FLANGE
6	16	DIN 126 - 9	Stainless Steel, A4	0 kg	Washers for hexagon bolts
7	16	DIN 9021 - 8,4	Stainless Steel, A4	0.01 kg	Washer
8	1	ISO 1234 - 10 x 63	Stainless Steel	0.06 kg	Split Pin
9	1	ISO 4032 - M42	Stainless Steel, A4-80	0.66 kg	Hex Nut
10	16	ISO 4762 - M8 x 55	Stainless Steel, A4	0.03 kg	Hexagon Socket Head Cap Screw
11	16	ISO 7040 - M8	Stainless Steel, A4	0.01 kg	Hex Nut with Torque Part
12	1	ISO 7089 - 48 - 140 HV	Stainless Steel, A4-80	0.29 kg	Plain washers - Normal series - Product grade A
13	16	M8 - TYPE M	Stainless Steel	0.03 kg	CLIP FOR GRATING
14	1	MGW = 2,9TE, T = 0,9TE, P = 2,0TE		0 kg	MGW STICKER

NOTES:

- ALL BOLTS SHALL BE SECURED WITH SPLIT PINS (ISO 1234 STAINLESS STEEL) OF APPROPRIATE SIZE
- LOWER FRAME TO BE MARKED IN CAPITAL WITH 50MM HIGH LETTERS, REF POS 12:  
"MGW = 2,9TE  
T = 0,9TE  
P = 2,0TE"

REV	DATE	DESCRIPTION	LET	RH	LET
02	25.06.2015	RE-ISSUED FOR CONSTRUCTION	LET	RH	LET
01	24.06.2015	FOR CONSTRUCTION	LET	RH	LET

WEIGHT: IN AIR: 228 kg IN WATER: 155 kg	 <b>IKM TECHNIQUE AS</b> Tomeroseveien 12, 4315 SANDNES Tel.: 51 80 05 20 E-mail: ikmtechnique@ikm.no Web: www.ikm.no
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN MILLIMETRES	
TOLERANCES: LINEAR: ISO 2768-1 M ANGULAR: ISO 2768-1 M EDGES: ISO 2768-1 M	THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF IKM TECHNIQUE AS. NONE OF THE INFORMATION CONTAINED HEREIN MAY BE DISCLOSED, REPRODUCED, DISTRIBUTED OR USED WITHOUT WRITTEN CONSENT FROM IKM TECHNIQUE AS.
REMOVE ALL BURRS BREAK ALL SHARP EDGES	PROJECT TITLE: <b>P7259</b> DRAWING TITLE: <b>LIFTING PLATFORM</b>
FIRST ANGLE PROJECTION	SHEET SIZE: <b>A3</b> SHEET NO.: <b>1 OF 1</b> SCALE: <b>1 : 20</b> DRAWING NO.: <b>7259-002</b> LATEST REV.: <b>02</b>