


## USER MANUAL FOR SUBSEA BASKET 2.5 TONN

**Document title** : *UMA-5624-001 Subsea Basket 2.5 Tonn*  
**IKM TECHNOLOGY AS ref.** : *P5624*  
**Customer ref.** : *Subsea Tool*




**IKM Technology AS**

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<b>BTE.12-26 User Manual</b>				<b>Page 2 of 14</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 BASKET 2.5 TONN .....	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 14</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 Basket 2.5 Tonn.


The Subsea Basket is a lightweight cage made of stainless steel, it is designed to lift various tools and equipment. It is made with foldable lifting arms for easy access for load and unloading. It is also made with a hatch to assure that nothing falls out of the basket while lowering or lifting the basket in heavy sea.

<b>BTE.12-26 User Manual</b>			<b>Page 4 of 14</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
t	Tonn


<b>BTE.12-26 User Manual</b>				<b>Page 5 of 14</b>	
<b>Dok.ID:</b>	010984	<b>Issue date:</b>	2014.12.29		
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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>
5624-001 rev-02	Drawing of Subsea Basket 2.5 T	02	03.10.13	Appendix A

BTE.12-26 User Manual			Page 6 of 14
<b>Dok.ID:</b>	010984	<b>Issue date:</b>	2014.12.29
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## 2 TECHNICAL SPESIFICATION

The Subsea Basket 2.5 tonn consist mainly of foldable lifting arms with lifting point, cage frame with forklift pockets and side walls.

### Weight:

Gross weight 500 kg.

Capacity 2000 kg.


Allowed total weight 2500 kg.

### Maximum dimensions:

Basket position:	Height:	Width:	Depth:
Unfolded	2791 mm	1510 mm	1608 mm
Folded	1528 mm	1510 mm	1845 mm

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

BTE.12-26 User Manual			Page 7 of 14
Dok.ID:	010984	Issue date:	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 14</b>
<b>Dok.ID:</b>	010984	<b>Issue date:</b>	2014.12.29	
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## 4 OPERATIONAL DESCRIPTION

The following description is a generic description of preparation and use of the Subsea Basket 2.5 Tonn. 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 arms, 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 14</b>	
<b>Dok.ID:</b>	010984	<b>Issue date:</b>	2014.12.29		
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## 5 MAINTENANCE


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

<b>BTE.12-26 User Manual</b>				<b>Page 10 of 14</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 14</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

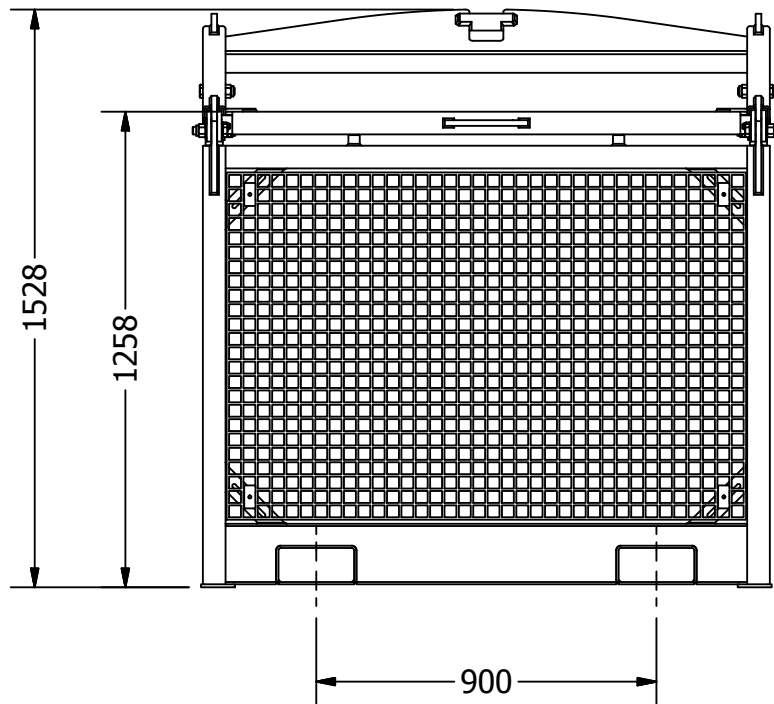
Phone, 24/7 : +47 51 80 05 20  
 Mail : IKMtechnology@IKM.no

<b>BTE.12-26 User Manual</b>				<b>Page 12 of 14</b>		
<b>Dok.ID:</b>	010984	<b>Issue date:</b>	2014.12.29			
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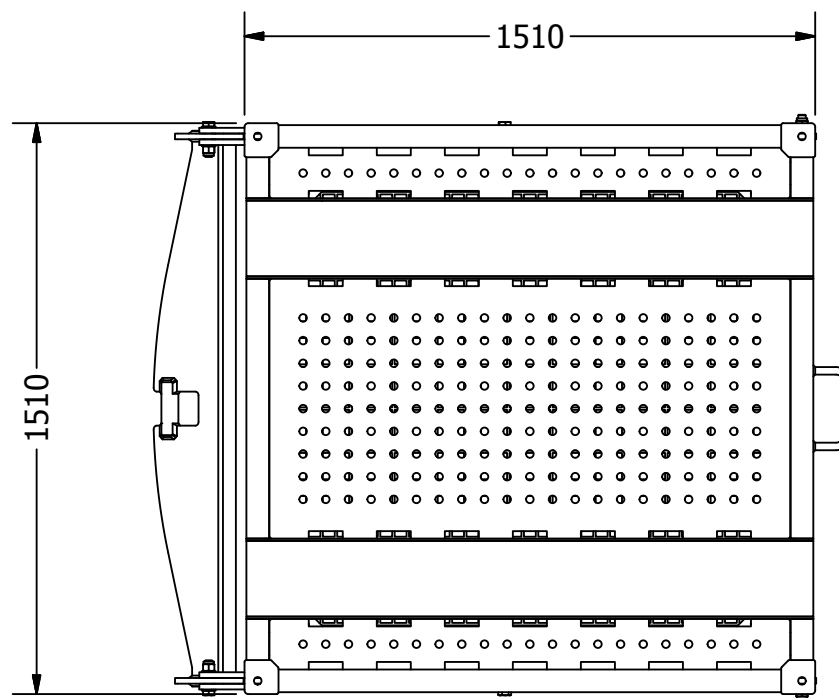
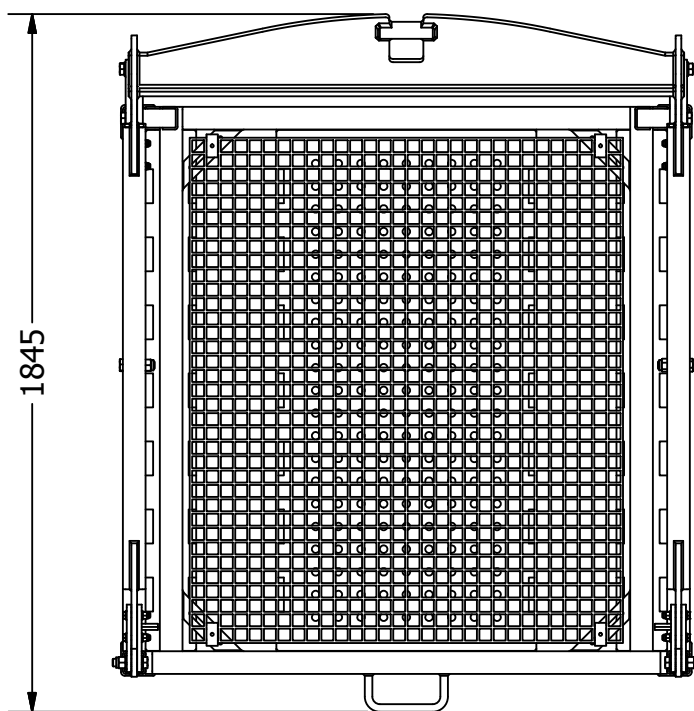
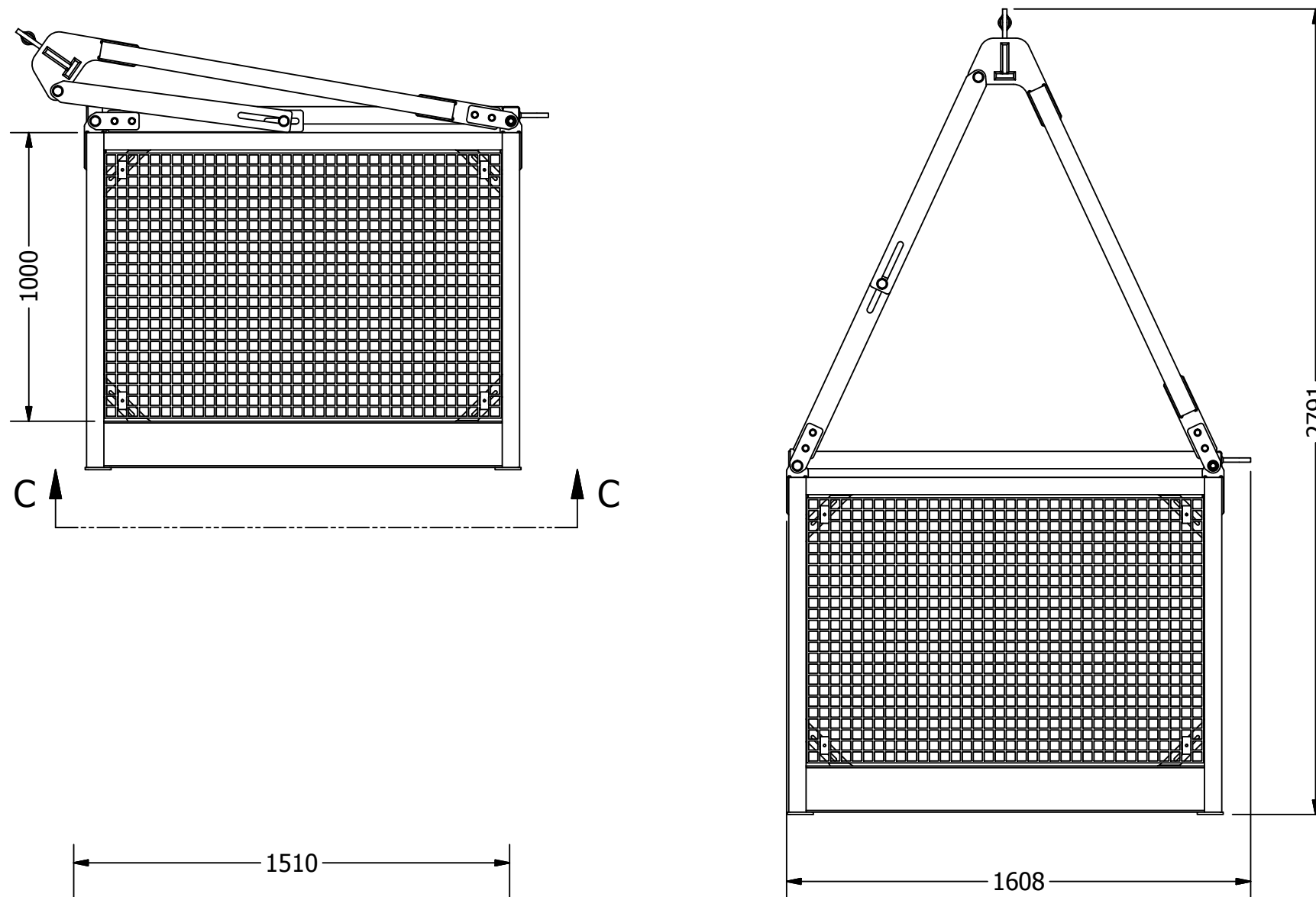
## 9 APPENDIX

	<b>Doc number</b>	<b>Description</b>	<b>Rev</b>
<i>Appendix A</i>	<i>5624-001 rev-2</i>	<i>Drawing of Subsea Basket 2.5 Tonn</i>	<i>02</i>
<i>Appendix B</i>			
<i>Appendix C</i>			

CLOSED & FOLDED



CLOSED & UNFOLDED




C

REV	DATE	DESCRIPTION	DESIGNER	CHECKED BY	APPROVED
01	03.06.2011	For Construction	Ben Young		
02	03.10.2013	DWG REMADE	JKK	EN	JKK

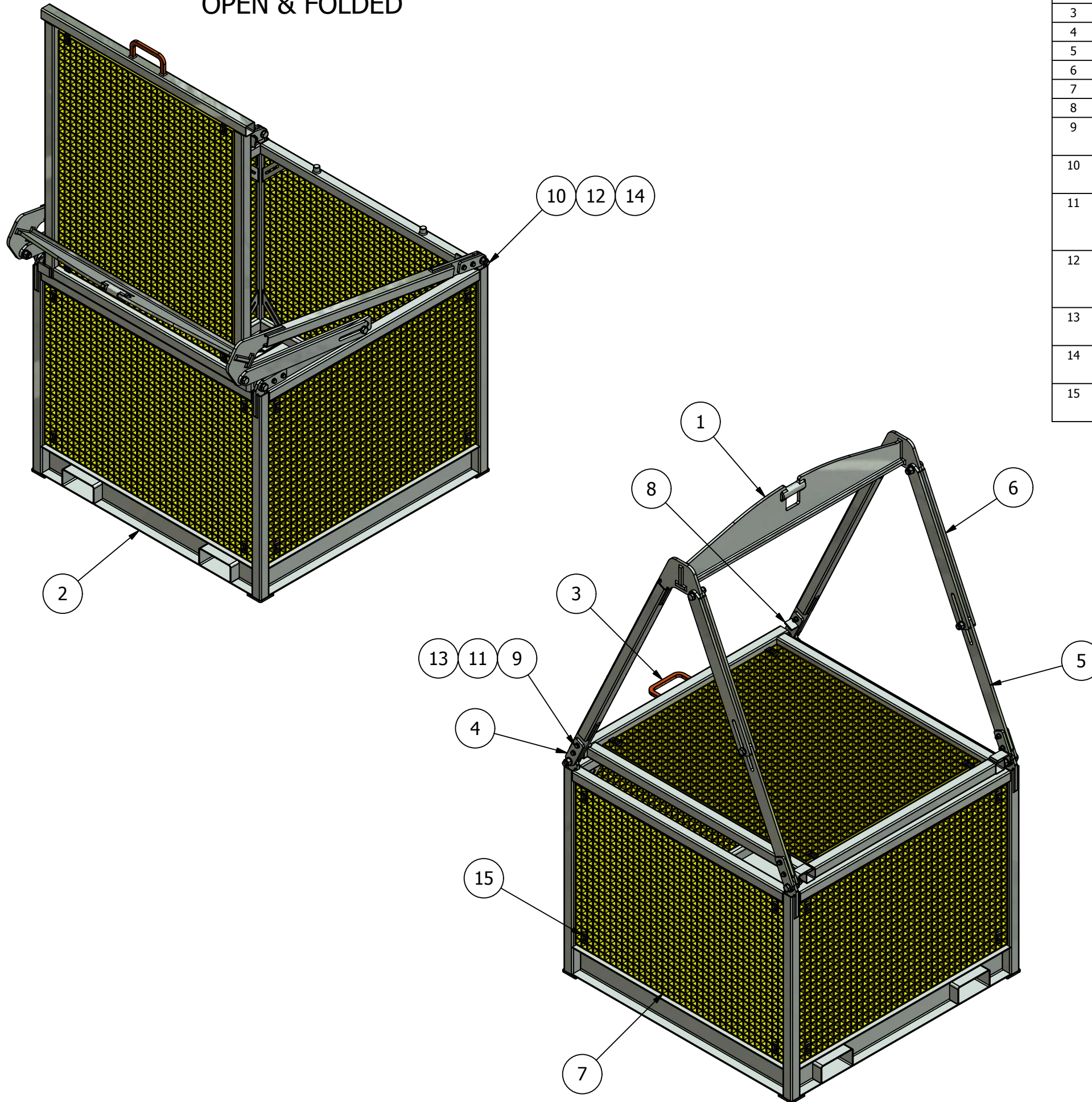
  

WEIGHT: IN AIR:	kg
IN WATER:	kg
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN MILLIMETRES	
TOLERANCES: LINEAR: ISO 2768-1 ANGULAR: ISO 2768-1 EDGES: ISO 2768-1	
REMOVE ALL BURRS BREAK ALL SHARP EDGES	


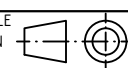
  

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	PROJECT TITLE: P5624
DRAWING TITLE: SUBSEA BASKET WLL 2500 KG	
FIRST ANGLE PROJECTION	SHEET SIZE: A3 SHEET NO.: 1 OF 2 DRAWING NO.: 5624-001
	SCALE: LATEST REV.: 02

OPEN & FOLDED



PARTS LIST					
ITEM	QTY	PART NUMBER	MATERIAL	MASS	DESCRIPTION
1	1	5624-005	Stainless Steel, AISI 316L	77,395 kg	
2	1	5624-009	Stainless Steel, AISI 316L	303,398 kg	
3	1	5624-010		43,776 kg	
4	8	5624-108	Stainless Steel, AISI 316L	0,913 kg	
5	2	5624-110	Stainless Steel, AISI 316L	5,780 kg	
6	4	5624-114	Stainless Steel, AISI 316L	6,991 kg	
7	4	5624-128	As Supplied	10,129 kg	
8	2	5624-136	Stainless Steel, AISI 316L	0,137 kg	
9	8	ISO 4014 - M12 x 65	Stainless Steel, 440C	0,073 kg	Hexagon head bolt - product grades A and B
10	8	ISO 4014 - M20 x 80	Stainless Steel, 440C	0,269 kg	Hexagon head bolt - product grades A and B
11	8	ISO 7041 - M12	Stainless Steel	0,023 kg	Prevailing torque type hexagon nuts (with non-metallic insert) style2 - property class 9 and 12
12	8	ISO 7041 - M20	Stainless Steel	0,097 kg	Prevailing torque type hexagon nuts (with non-metallic insert) style2 - property class 9 and 12
13	16	ISO 7089 - 12 - 140 HV	Stainless Steel	0,006 kg	Plain washers - Normal series - Product grade A
14	16	ISO 7089 - 20 - 140 HV	Stainless Steel	0,018 kg	Plain washers - Normal series - Product grade A
15	16	top-clip cc40mm	As Supplied	0,006 kg	

WEIGHT: IN AIR:                   kg IN WATER:               kg	 <b>IKM TECHNIQUE AS</b> Tomeroseveien 12, 4315 SANDNES Tel.: 51 80 05 20 E-mail: ikmtechnique@IKM.no Web: www.IKM.no
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FIRST ANGLE PROJECTION 	DRAWING TITLE: <b>SUBSEA BASKET WLL 2500 KG</b>
	SHEET SIZE: <b>A3</b> SHEET NO.: <b>2 OF 2</b> SCALE:
	DRAWING NO.: <b>5624-001</b> LATEST REV.: <b>02</b>