

Equipment

STEVPRIS ANCHORS

manufactured by Vryhof Anchors B.V.

RENTAL

IKM Mooring Services offers the best anchors available in the market from the leading anchor manufacturer. Vryhof Anchors has since the early seventies been a leading pioneer in design and manufacture of ultra high holding power anchors. Today Vryhof drag embedment anchors are recognized as the best Ultra High Holding Power anchors available worldwide. IKM have standardised on Stevpris in our rental fleet but can upon request also supply Stevin, Stevshark, Stevmanta or Stevtensioner.

Available from our Rental Fleet

- 15, 18 and 21 (22) tonn Stevpris MK6 and MK5 available from stock
- All anchors fitted with Ramnäs 84mm dia 5-link adapter Grade R5

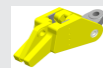
- Fully certified according to DNV-OS-E301 standard
- Full documentation package available

- Fluke / Shank angle with 3 positions.

Bridle Arrangement for Stevpris



Other products from Vryhof



Stevtensioner



Stevmanta



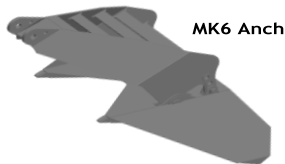
Stevin



Stevshark

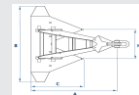


MK5 Anchor



MK6 Anchor

Dimensions



Main dimensions										stepping										M&S dimensions in mm										anchor weight in kg																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Equipment

ANCHOR CHAIN SWIVELS

manufactured by MoorLink AB, Sweden

RENTAL

IKM Mooring Services offers Anchor Chain Swivels from MoorLink AB. All Moorlink swivels are designed and analysed by FEM-analysis. Bearings for M5 are high grade, maintenance free bronze alloy slide bearings. Standard swivels have high load carrying, low friction thrust roller bearings. The M5 series are designed to also be used in R5 mooring lines. This gives the opportunity to use the same product for different applications.

Available from our Rental Fleet

All swivels below are available from rental fleet and fully certified in accordance to DNV-OS-E302



Type 177-M5
Designed for Grade R5 mooring lines and can be used for 76mm R4/R5 and 84mm R4



Type 231-M5
Designed for Grade R5 mooring lines and can be used for 84mm R4/R5 and 95mm R4



Type 285
Designed for Grade R4 mooring lines and can be used for 76 - 84mm R4



Type 286
The preferred swivel for installation / tension of mooring lines



Product Specifications

Type	MBL	Weight	Termination
177-M5	7210 kN	360 kg	76 - 84mm
231-M5	8420 kN	380 kg	84 - 95mm
285	7210 kN	430 kg	76 - 84mm
286	8400 kN	760 kg	84 - 95mm

Other types and sizes available on request.

Other Products

Ball swivel



Wire clamp



M-Link



Contact Information :

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IKM Mooring
Services AS

CONNECTORS

manufactured by Feuerstein GmbH, Germany

RENTAL

IKM Mooring Services have standardised on Kenter Links and Trident Anchor Shackles (TAS) in Grade R5. All of our products are manufactured by Feuerstein in Germany. Feubo manufactures a complete line of long-term mooring products that are designed and built in Germany to exceed the highest standards of quality, and tested to prove it. Feubo products are supplied to IKM Mooring from Aberdeen based company LHR Marine Ltd

Available from our Rental Fleet

All connectors below are available from rental fleet and fully certified in accordance to DNV-OS-E302



Raptor Thin Kenter Link
Designed for Grade R5 mooring lines and available for 76 and 84mm R5 chain



Trident Anchor Shackle
Designed for Grade R5 mooring lines and available for 76 and 84mm R5 chain



H-Connector
Designed for both taught and catenary mooring. Suitable for chain to chain, fibre to fibre, chain to fibre and fibre to wire



Chain Clamp Hinged
Suitable for both 76mm and 84mm dia chain

Other Products

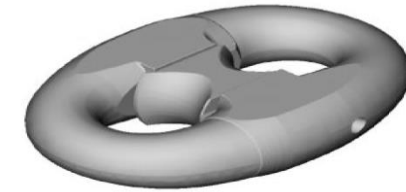
Permanent chaser



Chain grapnel



J-Lock



Product Specifications

Type	Dia	Grade	MBL
Raptor Thin Kenter	76mm	R5	7009 kN
Raptor Thin Kenter	84mm	R5	8418 kN
Trident Anchor Shackle	76mm	R5	7009 kN
Trident Anchor Shackle	84mm	R5	8418 kN

Other sizes and grades available on request.

Type	Dia	Grade	MBL
H-Connector	76mm	R5	7009 kN
H-Connector	89mm	R5	9348 kN

Other sizes and grades available on request.

Type	Chain Dia	Weight	MBL
Chain Clamp Hinged	76 - 84mm	202 kg	980 kN

Other sizes available on request.

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IKM Mooring
Services AS

Equipment

SUBSURFACE BUOYANCY

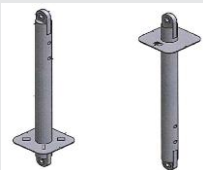
manufactured by Balmoral Offshore Engineering

RENTAL

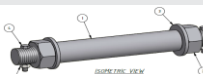
Modular buoyancy designed for use from 0 - 2000 msw and predominantly used as suspended mooring or subsea markers. Balmoral modular buoyancy is highly adaptable and can be fitted with with a comprehensive range of end fittings. Balmoral modular buoyancy utilises a range of tough, abrasion resistant core materials contained within a rotational moulded polyethylene shell.

Available from our Rental Fleet

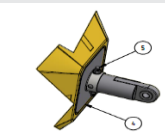
- All units made up from MB17 and MB23 modular buoyancy elements
- Thin-mid modules available to provide a broad range of configuration
- All units with Orange skin color



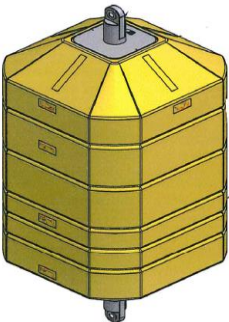
- Standard steelwork with padeye in top and bottom
- Padeye suitable for 120t Super Green Pin shackle



- All units are fitted with Retaining Pin for easy change out of buoyancy elements.
- No welding required



- (4) Retaining plate assembly - Loose end
- (5) Retaining Pin assembly



Product Specifications

Water Depth	Weight in air	Net buoyancy
500 msw	1.405 kg	1.000 kg
500 msw	2.290 kg	2.085 kg
500 msw	2.700 kg	2.575 kg
500 msw	3.110 kg	3.065 kg
500 msw	4.350 kg	4.200 kg
500 msw	5.250 kg	5.300 kg
500 msw	6.150 kg	6.380 kg
500 msw	7.875 kg	8.965 kg
500 msw	8.775 kg	10.050 kg
500 msw	9.685 kg	11.135 kg

All weight and buoyancy above are approximate
Other sizes and msw rating available on request

Contact Information :

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IKM Mooring
Services AS

SURFACE (APB) BUOYANCY

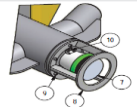
manufactured by Balmoral Offshore Engineering

RENTAL

Modular buoyancy designed for both permanent and temporary mooring. Balmoral modular buoyancy is highly adaptable and can be fitted with with a comprehensive range of end fittings. Buoyancy modules are made up of polyurethane foam and outer skin of polyethylene. Standard units from IKM Mooring Services is with radar reflector and light (beacon) on top and padeye in bottom

Available from our Rental Fleet

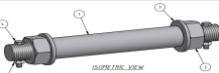
- All units made up from MB17 and MB23 modular buoyancy elements
- Thin-mid modules available to provide a broad range of configuration
- All units with Yellow skin color
- Radar reflector and light (beacon) are standard



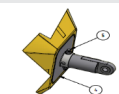
- Solar Panel and best-in-class battery pack.



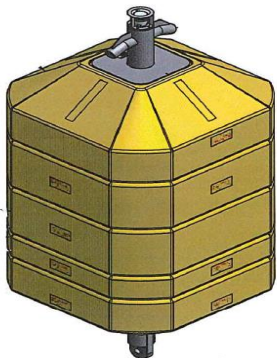
- Standard steelwork with top crucifix and bottom padeye
- Padeye suitable for 120t Super Green Pin shackle



- All units are fitted with Retaining Pin for easy change out of buoyancy elements.
- No welding required



- 4. Retaining plate assembly - Loose end
- 5. Retaining Pin assembly



Product Specifications

Weight in air	Net buoyancy
975 kg	3.280 kg
1.241 kg	4.850 kg
1.645 kg	6.750 kg
2.005 kg	8.300 kg
2.365 kg	9.950 kg
2.565 kg	12.000 kg
3.100 kg	14.000 kg
3.665 kg	16.000 kg
4.530 kg	20.000 kg

All weight and buoyancy above are approximate

Other sizes available on request

Contact Information :

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IKM Mooring
Services AS

Equipment

FIBRE MOORING ROPE

manufactured by Lankhorst Euronete, Portugal

RENTAL

Lankhorst (former Oliveira) Corona Line® DW-PET is a parallel-Sub Rope assembled on a circular braided type rope. These sub ropes are held together by an over wrapped braided jacket. For this application it is applied a filter cloth wrapped between the core sub ropes and the jacket. The rope have a Minimum Breaking Strength (MBS) of 8,484 kN (or 858Tf), and also have a filter to prevent soil/particles ingress. Under ISO 18692:2007 classification, the Corona Line® DW-PET construction is type TF - Torque-neutral.

Available from our Rental Fleet

- All of our fibre ropes and end fittings are certified according to latest DNV standard DNV-OS-E303, 2013
- MBL for the ropes is increased to match 84mm R5 chain
- Shackle redesigned to MBL 858 tonf and approved by DNV
- A filter cloth is wrapped between the core sub-ropes and jacket to prevent fine particles of sand and mud ingress. The polyester yarn used is from an DNV approved Manufacturer as per load bearing yarn for offshore mooring fibre ropes and in accordance with DNV standard for certification 2.9 approval programme no. 322, 2010.
- Certified according to DNV-OS-E303 standard
- Full documentation package available
- Shackle certified in accordance with DNV-OS-E302 and have a **MBL of 858 tonf**
- Roller (spool) certified in accordance with DNV-OS-E303
- All ropes with length indication every 50 mtr
- End termination in different colors for ease of tracking and history



Product Specifications

Length	Dia	MBL *
200 mtr	164mm	858 tonf
400 mtr	164mm	858 tonf
600 mtr	164mm	858 tonf
800 mtr	164mm	858 tonf
1000 mtr	164mm	858 tonf

*MBL equals 84mm R5 anchor chain
Nominal rope dia w/o jacket is 144mm
Linear mass of rope (dry) 19,1 kg/mtr
Linear mass of rope (submerged) 4,77 kg/mtr

Contact Information : Trond Egil Watland
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STUD LINK ANCHOR CHAIN

manufactured by Hamanaka & Ramnås

RENTAL

IKM Mooring Services offers the best chain available in the market from the two leading chain manufacturers. From Ramnås 84mm dia chain and from Hamanaka 76mm dia chain. All in Grade R5 and with DNV documentation. Both Ramnås Bruk AB with their production in Sweden and Hamanaka Chain producing in Japan are considered to be the state of art when it comes to offshore mooring chain.

Available from our Rental Fleet

- 76mm and 84mm dia chain certified according to latest DNV standard DNV-OS-E302
- Supplied in 250 mtr and 500 mtr lengths. Other lengths available on request
- Grade R5 is our standard. Other grades available on request
- Available from our supply bases in both Norway and UK



- Established in 1936 and supplied chain for the offshore sector since 1967



- Established in 1876 and supplied chain for the offshore sector last forty-five years

- Fully certified according to DNV-OS-E302 standard
- Full documentation package available



Accessories



Contact Information : Trond Egil Watland
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Product Specifications

Dia	Grade	Break load	Proof load	kg/mtr
76mm	R4	6001 kN	4731 kN	126
76mm	R5	7009 kN	5498 kN	126
84mm	R4	7208 kN	5682 kN	155
84mm	R5	8418 kN	5866 kN	155

Other sizes and grades available on request.
NB! Weights are calculated and can differentiate

Dimensions

