

Outlaying frame - Mounting instructions

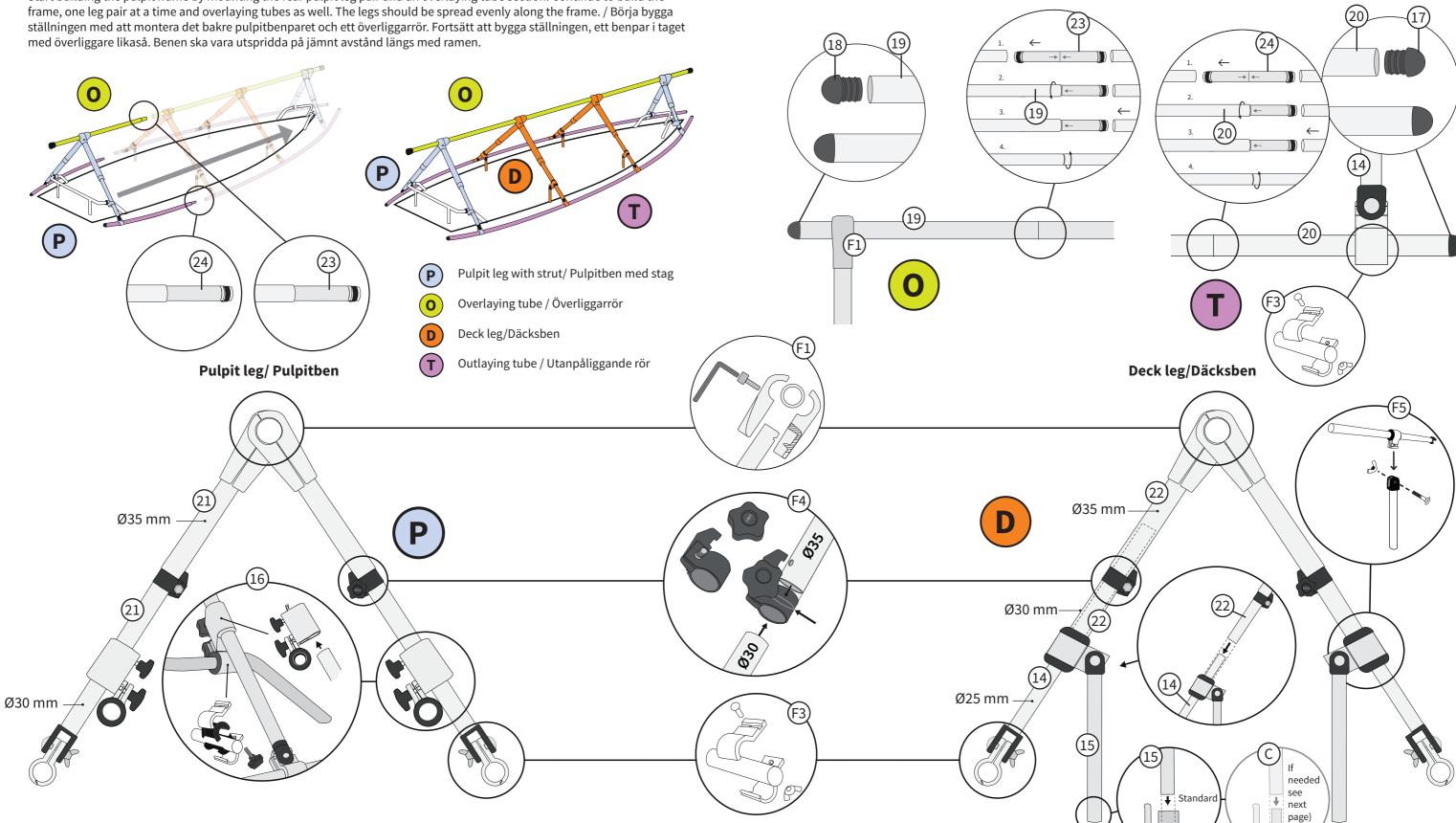
Overlaying tube / Överliggarrör

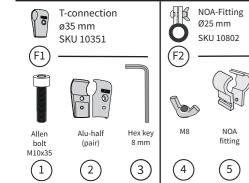
NOA - a Boatsystem Group brand Boatsystem Group AB, Traneredsvägen 112, 426 53 Västra Frölunda, Sweden Phone: +46 (0)31-69 03 80, www.boatsystemgroup.com, info@boatsystemgroup.com

Outlaying tube / Utanpåliggande rör

Start

Start building the pulpit frame by mounting the rear pulpit leg pair and an overlaying tube section. Continue to build the frame, one leg pair at a time and overlaying tubes as well. The legs should be spread evenly along the frame. / Börja bygga

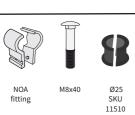




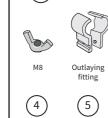








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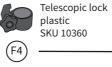


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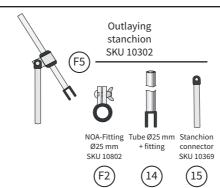


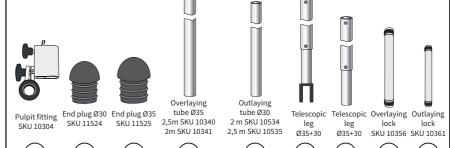
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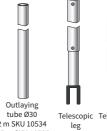
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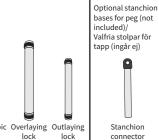




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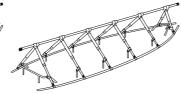


18	19	20
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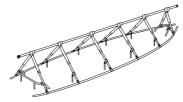


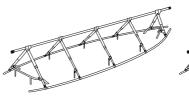






8m (8/3<3,3m)	art nr 10403	9m (9/3<3,3m)	art nr 10413	9m (9/4<3,3m)	art nr 10414	10m (10/3<3,7m)	art nr 10423
Part	Qty	Part	Qty	Part	Qty	Part	Qty
BOX 1/3		BOX 1/3	C y	BOX 1/3		BOX 1/3	Cy
Overlaying tube (Ø35)		Overlaying tube (Ø35)		(19) Overlaying tube (Ø35)		(19) Overlaying tube (Ø35)	
2 m	x4	2 m	x2	2 m	x2	2 m	-
2,5 m	-	2,5 m	x2	2,5 m	x2	2,5 m	x4
② Overlaying lock	х3	② Overlaying lock	х3	② Overlaying lock	х3	② Overlaying lock	х3
② Outlaying tube (Ø30)		② Outlaying tube (Ø30)		② Outlaying tube (Ø30)		② Outlaying tube (Ø30)	
2 m	x8	2 m	x4	2 m	x4	2 m	-
2,5 m	-	2,5 m	x4	2,5 m	x4	2,5 m	x8
② Outlaying lock	x6	② Outlaying lock	x6	24 Outlaying lock	x6	② Outlaying lock	x6
BOX 2/3		BOX 2/3		BOX 2/3		BOX 2/3	
Tubes for pulpit/pushpit le		1 Tubes for pulpit/pushpit	legs	1 Tubes for pulpit/pushpit	legs	1 Tubes for pulpit/pushpit	legs
Ø35 Ø30 (fork end fitti	ngs)	Ø35 Ø30 (fork end f	ittings)	Ø35 Ø30 (fork end fit	ttings)	Ø35 Ø30 (fork end fit	tings)
0,6 m + 1,5 m	x2	0,6 m + 1,5 m	x2	0,6 m + 1,5 m	x2	0,6 m + 1,5 m	x2
0,9 m + 1,5 m	x2	0,9 m + 1,5 m	x2	0,9 m + 1,5 m	x2	1,25 m + 1,5 m	x2
Tubes for deck legs		Tubes for deck legs		Tubes for deck legs		Tubes for deck legs	
Ø35 Ø30		Ø35 Ø30		Ø35 Ø30		Ø35 Ø30	
0,9 m + 0,9 m	x2	0,9 m + 0,9 m	x2	0,9 m + 0,9 m	x2	1,25 m + 0,9 m	x2
0,9 m + 1,5 m	x4	0,9 m + 1,5 m	x4	0,9 m + 1,5 m	х6	1,25 m + 1,5 m	x4
BOX 3/3		BOX 3/3		BOX 3/3		BOX 3/3	
Accessory box		Accessory box		Accessory box		Accessory box	
Outlaying NOA-fitting	x10	Outlaying NOA-fitting	x10	Outlaying NOA-fitting	x12	Outlaying NOA-fitting	x10
Pulpit fitting	x4	Pulpit fitting	x4	Pulpit fitting	x4	Pulpit fitting	x4
Plastic plug Ø30	x4	Plastic plug Ø30	x4	Plastic plug Ø30	x4	Plastic plug Ø30	x4
Plastic plug Ø35	x2	Plastic plug Ø35	x2	Plastic plug Ø35	x2	Plastic plug Ø35	x2
Connector for stanchion ba	ases	Connector for stanchion	bases	Connector for stanchion	bases	Connector for stanchion	bases
Tube Ø25		Tube Ø25		Tube Ø25		Tube Ø25	
14 0,55	x6	14 0,55	x6	14 0,55	x8	(4) 0,55	х6
īs 0,2	x6	15 0,2	х6	(15) 0,2	x8	(§ 0,2	х6
S NOA fitting	х6	S NOA fitting	х6	S NOA fitting	x8	S NOA fitting	x6
① Bushing Ø25	x6	① Bushing Ø25	х6	① Bushing Ø25	x8	③ Bushing Ø25	x6
① Carriage bolt M8x40	x6	① Carriage bolt M8x40	х6	① Carriage bolt M8x40	x8	Carriage bolt M8x40	x6
® Wing nut M8	х6	8 Wing nut M8	х6	8 Wing nut M8	x8	8 Wing nut M8	х6
Connection box KU3		Connection box KU3		Connection box KU4		Connection box KU3	
2 T-connection, threaded	x10	T-connection, threaded	x10	7-connection, threaded	x12	7-connection, threaded	x10
1-connection, untilreaded	x10	T-connection, unthreade		T-connection, unthreade		T-connection, unthreade	
Allen bolt M10x35	x10	Allen bolt M10x35	x10	Allen bolt M10x35	x12	Allen bolt M10x35	x10
③ Hex key	x1	③ Hex key	x1	③ Hex key	x1	3 Hex key	x1
Lock box LU3		Lock box LU3		Lock box LU4		Lock box LU3	
12 Plastic lock	x10	12 Plastic lock	x10	② T-connection, unthreade		Plastic lock	x10
6 Carriage bolt M8x40	x10	6 Carriage bolt M8x40	x10	12 Plastic lock	x12	6 Carriage bolt M8x40	x10
Wing nut M8	x10	Wing nut M8	x10	6 Carriage bolt M8x40	x12	Wing nut M8	x10
3 Knob M8	x10	3 Knob M8	x10	Wing nut M8	x12	3 Knob M8	x10
ii Bolt M8x25	x10	ii Bolt M8x25	x10	13 Knob M8	x12	ii Bolt M8x25	x10
				ii Bolt M8x25	x12	-	





(17)



10m (10/4<3,7m)	art nr 10424	11m (11/3<3,7m)	art nr 10433	11m (11/4<3,7m)	art nr 10434	11m (11/5<4,2m)	art nr 10438
Part	Qty	Part	Qty	Part	Qty	Part	Qty
BOX 1/3		BOX 1/3		BOX 1/3		BOX 1/3	
Overlaying tube (Ø35)		① Overlaying tube (Ø35)		① Overlaying tube (Ø35)		① Overlaying tube (Ø35)	
2 m	-	2 m	x3	2 m	х3	2 m	x3
2,5 m	x4	2,5 m	x2	2,5 m	x2	2,5 m	x2
② Overlaying lock	х3	② Overlaying lock	x4	② Overlaying lock	x4	② Overlaying lock	x4
Outlaying tube (Ø30)		Outlaying tube (Ø30)		② Outlaying tube (Ø30)		② Outlaying tube (Ø30)	
2 m	-	2 m	х6	2 m	х6	2 m	х6
2,5 m	x8	2,5 m	x4	2,5 m	x4	2,5 m	x4
② Outlaying lock	х6	② Outlaying lock	x8	24 Outlaying lock	x8	Outlaying lock	x8
BOX 2/3		BOX 2/3		BOX 2/3		BOX 2/3	
21 Tubes for pulpit/pushpit le		1 Tubes for pulpit/pushpit		21 Tubes for pulpit/pushpit le		② Tubes for pulpit/pushpit le	
Ø35 Ø30 (fork end fitt	•	Ø35 Ø30 (fork end fi	0 .	Ø35 Ø30 (fork end fitt	0 .	Ø35 Ø30 (fork end fitti	0 /
0,6 m + 1,5 m	x2	0,6 m + 1,5 m	x2	0,6 m + 1,5 m	x2	0,9 m + 1,5 m	x2
1,25 m+ 1,5 m	x2	1,25 m + 1,5 m	x2	1,25 m + 1,5 m	x2	1,5 m + 2 m	x2
22 Tubes for deck legs		Tubes for deck legs		22 Tubes for deck legs		22 Tubes for deck legs	
Ø35 Ø30		Ø35 Ø30		Ø35 Ø30		Ø35 Ø30	
1,25 m + 1,5 m	x8	1,25 m + 0,9 m	x2	1,25 m + 1,5 m	x8	1,25 m + 0,9 m	x2
		1,25 m + 1,5 m	x4			1,25 m + 1,5 m	x2
BOX 3/3		BOX 3/3		BOX 3/3		1,5 m + 1,5 m	x2
Accessory box	4.0	Accessory box	4.0	Accessory box	4.0	2 m + 1,5 m	x4
Outlaying NOA-fitting	x12	Outlaying NOA-fitting	x10	Outlaying NOA-fitting	x12	BOX 3/3	
16 Pulpit fitting	x4	Pulpit fitting	x4	16 Pulpit fitting	x4	Accessory box © Outlaying NOA-fitting	14
17 Plastic plug Ø30	x4	17 Plastic plug Ø30	x4	Plastic plug Ø30	x4	© Pulpit fitting	x14 x4
Plastic plug Ø35	x2	® Plastic plug Ø35	x2	® Plastic plug Ø35	x2	17) Plastic plug Ø30	x4 x4
Connector for stanchion b	ases	Connector for stanchion	pases	Connector for stanchion b	ases	(18) Plastic plug Ø35	x2
Tube Ø25		Tube Ø25		Tube Ø25		Connector for stanchion be	
(a) 0,55	x8	(a) 0,55	x6	(a) 0,55	x8	Tube Ø25	ases
(15) 0,2	x8	(is 0,2	x6	(15) 0,2	x8	(a) 0,55	x10
NOA fitting No. Problem 225	x8	NOA fitting Rushing #25	x6	© NOA fitting	x8	(14) 0,33 (15) 0,2	x10
7 Bushing Ø25 10 Carriage bolt M8x40	x8 x8	① Bushing Ø25 ② Carriage bolt M8x40	x6 x6	7 Bushing Ø25 10 Carriage bolt M8x40	x8 x8	(E) NOA fitting	x10
® Wing nut M8	хо х8	® Wing nut M8	x6 x6	® Wing nut M8	х8	7 Bushing Ø25	x10
Connection box KU4	XO	Connection box KU3	XO	Connection box KU4	XO	© Carriage bolt M8x40	x10
T-connection, threaded	x12	T-connection, threaded	x10	T-connection, threaded	x12	® Wing nut M8	x10
T-connection, unthreaded		T-connection, unthreaded		T-connection, unthreaded		Connection box KU5	XIO
Allen bolt M10x35	x12	Allen bolt M10x35	x10	Allen bolt M10x35	x12	T-connection threaded	x14
(3) Hex key	x1	(3) Hex key	x1	(3) Hex key	x1	T-connection, unthreaded	
Lock box LU4	×τ	Lock boxnLU3	ΛI	Lock box LU4	×τ	Allen bolt M10x35	x14
② T-connection, unthreaded	v3	Plastic lock	x10	5 T-connection, unthreaded	v3	(3) Hex key	x1
Plastic lock	x12	Carriage bolt M8x40	x10	Plastic lock	x12	Lock box LU5	
Carriage bolt M8x40	x12	Wing nut M8	x10	© Carriage bolt M8x40	x12	(5) T-connection, unthreaded	x7
(4) Wing nut M8	x12	(3) Knob M8	x10	Wing nut M8	x12	① Plastic lock	x14
(3) Knob M8	x12	(i) Bolt M8x25	x10	(3) Knob M8	x12	© Carriage bolt M8x40	x14
ii) Bolt M8x25	x12	- 2011 MONES	7.10	ii) Bolt M8x25	x12	Wing nut M8	x14
₩				₩		(13) Knob M8	x14
						ii) Bolt M8x25	x14



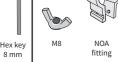
Allen bolt M10x35

(pair)









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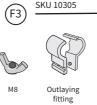
(F2)

NOA-Fitting Ø25 mm

SKU 10802







Outlaying NOA-Fitting

Ø30 mm

SKU 10305







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(11)



(12)

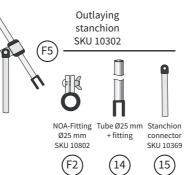
Telescopic lock

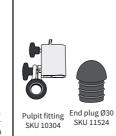
plastic

. SKU 10360

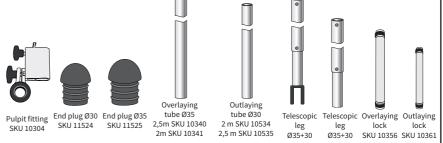










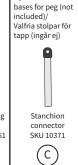


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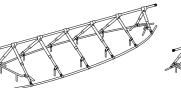
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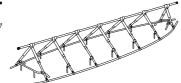
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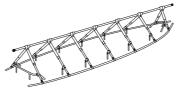
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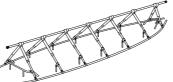




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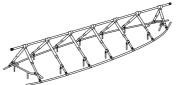


12m (12/4<4,2m)		12m (12/5<4,2m)		13m (13/5<4,2m)		14m (14/5<4,2m)	art nr 1046
Part	Qty	Part	Qty	Part	Qty	Part	Qty
BOX 1/3		BOX 1/3		BOX 1/3		BOX 1/3	
Overlaying tube (Ø35)		① Overlaying tube (Ø35)		① Overlaying tube (Ø35)		① Overlaying tube (Ø35)	
2 m	x1	2 m	x1	2 m	x4	2 m	x2
2,5 m	x4	2,5 m	x4	2,5 m	x2	2,5 m	x4
② Overlaying lock	x4	② Overlaying lock	x4	② Overlaying lock	х5	② Overlaying lock	х5
② Outlaying tube (Ø30)		② Outlaying tube (Ø30)		20 Outlaying tube (Ø30)		20 Outlaying tube (Ø30)	
2 m	x2	2 m	x2	2 m	x8	2 m	x4
2,5 m	x8	2,5 m	x8	2,5 m	x4	2,5 m	x8
② Outlaying lock	x8	② Outlaying lock	x8	② Outlaying lock	x10	②4 Outlaying lock	x10
BOX 2/3		BOX 2/3		BOX 2/3		BOX 2/3	
Tubes for pulpit/pushpit le Ø35 Ø30 (fork end fitti	0	21 Tubes for pulpit/push Ø35 Ø30 (fork en		② Tubes for pulpit/pushp Ø35 Ø30 (fork end		② Tubes for pulpit/pushp Ø35 Ø30 (fork end	
0,9 m + 1,5 m	x2	0,9 m + 1,5 m	x2	0,9 m + 1,5 m	x2	0,9 m + 1,5 m	x2
1,25 m + 2 m	x2	1,5 m + 2 m	x2	1,5 m + 2 m	x2	1,5 m + 2 m	x2
1 Tubes for deck legs		22 Tubes for deck legs		22) Tubes for deck legs		22) Tubes for deck legs	
Ø35 Ø30		Ø35 Ø30		Ø35 Ø30		Ø35 Ø30	
1,25 m + 0,9 m	x2	1,25 m + 0,9 m	x2	1,25 m + 0,9 m	x2	1,25 m + 0,9 m	x2
1,5 m + 1,5 m	x4	1,25 m + 1,5 m	x2	1,25 m + 1,5 m	x2	1,25 m + 1,5 m	x2
2 m + 1,5 m	x2	1,5 m + 1,5 m	x2	1,5 m + 1,5 m	x2	1,5 m + 1,5 m	x2
BOX 3/3		2 m + 1,5 m	x4	2 m + 1,5 m	x4	2 m + 1,5 m	x4
Accessory box		BOX 3/3		BOX 3/3		BOX 3/3	
Outlaying NOA-fitting	x12	Accessory box		Accessory box		Accessory box	
Pulpit fitting	x4	(5) Outlaying NOA-fitting	x14	(5) Outlaying NOA-fitting	x14	(5) Outlaying NOA-fitting	x14
Plastic plug Ø30	x4	Pulpit fitting	x4	16) Pulpit fitting	x4	Pulpit fitting	x4
Plastic plug Ø35	x2	17) Plastic plug Ø30	x4	(17) Plastic plug Ø30	x4	(17) Plastic plug Ø30	x4
Connector for stanchion by	ases	18) Plastic plug Ø35	x2	(18) Plastic plug Ø35	x2	Plastic plug Ø35	x2
Tube Ø25		Connector for stanchi	on bases	Connector for stanchio	n bases	Connector for stanchio	n bases
(14) 0,55	x8	Tube Ø25		Tube Ø25		(14) Tube Ø25 0,55	x10
(IS) 0,2	x8	(14) 0,55	x10	14 0,55	x10	15) Tube Ø25 0.2	x10
NOA fitting	x8	(15) 0,2	x10	(is) 0,2	x10	NOA fitting	x10
7 Bushing Ø25	x8	© NOA fitting	x10	NOA fitting	x10	7 Bushing Ø25	x10
Carriage bolt M8x40	x8	(7) Bushing Ø25	x10	7 Bushing Ø25	x10	(10) Carriage bolt M8x40	x10
® Wing nut M8	х8	(ii) Carriage bolt M8x40	x10	© Carriage bolt M8x40	x10	® Wing nut M8	x10
Connection box KU4		® Wing nut M8	x10	® Wing nut M8	x10	Connection box KU5	
T-connection, threaded	x12	Connection box KU5	AIO	Connection box KU5		7-connection, threade	d x14
T-connection, unthreaded	x9	T-connection thread	ed x14	T-connection, threader	d x14	T-connection, unthrea	
Allen bolt M10x35	x12	T-connection, unthrea		(2) T-connection, unthread		Allen bolt M10x35	x14
3 Hex key	x1	Allen bolt M10x35	x14	Allen bolt M10x35	x14	(3) Hex key	x1
Lock box LU4	Λ1	(3) Hex key	x1	(3) Hex key	x1	Lock box LU5	X.
T-connection, unthreaded	x3	Lock box LU5	XI	Lock box LU5	7.2	5 T-connection, unthrea	ded x7
Plastic lock	x12	(5) T-connection, unthrea	nded x7	(5) T-connection, unthrea	ded x7	12) Plastic lock	x14
6 Carriage bolt M8x40	x12	Plastic lock	x14	12 Plastic lock	x14	Carriage bolt M8x40	x14
4) Wing nut M8	x12	Carriage bolt M8x40	x14	6 Carriage bolt M8x40	x14	(4) Wing nut M8	x14
Knob M8	x12	Wing nut M8	x14 x14	4 Wing nut M8	x14 x14	(3) Knob M8	x14 x14
11) Bolt M8x25	x12	(4) Willig Hut Mo	x14 x14	(3) Knob M8	x14	ii) Bolt M8x25	x14 x14
LT DOLL MOXZO	XIZ	(13) MIOD MO	X14	TO LYLLOD MIQ	X14	II) DOLL MOX23	X14



(14)

(15)



		16 (16/5<5m)	art nr 104
Part	Qty	Part	Qty
BOX 1/3		BOX 1/3	
① Overlaying tube (Ø35)		① Overlaying tube (Ø35)	
2 m	-	2 m	х3
2,5 m	x6	2,5 m	x4
3 Overlaying lock	х5	② Overlaying lock	x6
② Outlaying tube (Ø30)		② Outlaying tube (Ø30)	
2 m	-	2 m	x6
2,5 m	x12	2,5 m	x8
② Outlaying lock	x10	② Outlaying lock	x12
BOX 2/3		BOX 2/3	
Tubes for pulpit/pushpit leg	s	1 Tubes for pulpit/pushpit	
Ø35 Ø30 (fork end fittin	gs)	Ø35 Ø30 (fork end fit	tings)
0,9 m + 1,5 m	x2	0,9 m + 1,5 m	x2
2 m + 2 m	x2	2 m + 2 m	x2
Tubes for deck legs		Tubes for deck legs	
Ø35 Ø30		Ø35 Ø30	
1,25 m + 0,9 m	x2	1,25 m + 0,9 m	x2
1,5 m + 1,5 m	x2	1,5 m + 1,5 m	x2
2 m + 2 m	x6	2 m + 2 m	x6
BOX 3/3		BOX 3/3	
Accessory box		Accessory box	
⑤ Outlaying NOA-fitting	x14	Outlaying NOA-fitting	x14
Pulpit fitting	x4	Pulpit fitting	x4
Plastic plug Ø30	x4	Plastic plug Ø30	x4
® Plastic plug Ø35	x2	Plastic plug Ø35	x2
Connector for stanchion bas		Connector for stanchion	
① Tube Ø25 0,55	x10	14 Tube Ø25 0,55	x10
(ii) Tube Ø25 0,2	x10	15 Tube Ø25 0,2	x10
® NOA fitting	x10	® NOA fitting	x10
① Bushing Ø25	x10	① Bushing Ø25	x10
Carriage bolt M8x40	x10	Carriage bolt M8x40	x10
® Wing nut M8	x10	® Wing nut M8	x10
Connection box KU5		Connection box KU5	
2 T-connection, threaded	x14	2 T-connection, threaded	x14
T-connection, unthreaded	x7	1-connection, unthreaded	
Allen bolt M10x35	x14	Allen bolt M10x35	x14
③ Hex key	x1	③ Hex key	x1
Lock box LU5	_	Lock box LU5	
⑤ T-connection, unthreaded	х7	5 T-connection, unthreaded	
Plastic lock	x14	Plastic lock	x14
6 Carriage bolt M8x40	x14	© Carriage bolt M8x40	x14
④ Wing nut M8	x14	Wing nut M8	x14
3 Knob M8	x14	(3) Knob M8	x14
n Bolt M8x25	x14	Bolt M8x25	x14



Outlaying frame - Maintenance and assembly tips

NOA - a Boatsystem Group brand

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Verify all parts before beginning the assembly process, it is important to make some preparations to ensure a smooth setup. First, verify that all the parts are included in the packaging. This will ensure that you have everything you need for the assembly. To save packaging space smaller tubes might be is inserted into the larger ones. Depends on frame model. Also consider marking all parts with tape or a pen for easier identification during the assembly process.

Assembly at home and mark the parts at home for the first time and label it. Also consider marking all parts with tape or a pen for easier identification during the assembly process. Use different colored tape or marker pens. Additionally, it is beneficial to note or mark the center point of the tarpaulin. This will aid in positioning and aligning the tarpaulin onto the frame. The better the preparation, the easier it is to set up the stand and tarpaulin. If multiple people are involved in the assembly, make sure that each person has an 8mm Allen key available. This tool will be needed for tightening screws and ensuring a secure construction. In case you need additional Allen keys, they can be purchased from us.

Assembly the telescopic lock to streamline the assembly process, follow these steps. Begin by installing the black plastic telescope locks onto the corresponding sections of the legs. This will secure the legs in place and prevent unwanted movement.

Mount the T-connectors onto the frame. Pay attention to the small protrusion on one side of each T-connector, as it should align with the corresponding hole on the telescope leg. This feature helps prevent the T-connectors from slipping out of position.



1. Attach the lock to the hole









1. Position the spike to the hole on the tube 2. Hold the half with thread and spike



3. Put on the second half and fasten hex screw

Disassembling If you encounter difficulties when disassembling the overlay tube, using two T-connectors can provide a better grip. This can be especially helpful in colder weather when it may be challenging to handle the 35mm tube effectively. Note once again that this is only recommended when disassembling the frame system.



Maintance to keep your setup in good condition, follow these maintenance tips. Ensure that the frame is kept clean. Regularly remove dirt and debris to maintain its appearance and functionality. If needed, apply a small amount of oil to the screws of the T-connectors for smoother operation. However, avoid using oil on the locking mechanism of the overlay tube as it can attract dirt and compromise its functionality. When dismantling the frame from the boat, handle it with care to avoid any potential damage. Although aluminum is strong and lightweight, it can sustain minor damage if mishandled. Treat the components with caution to ensure their longevity and performance.