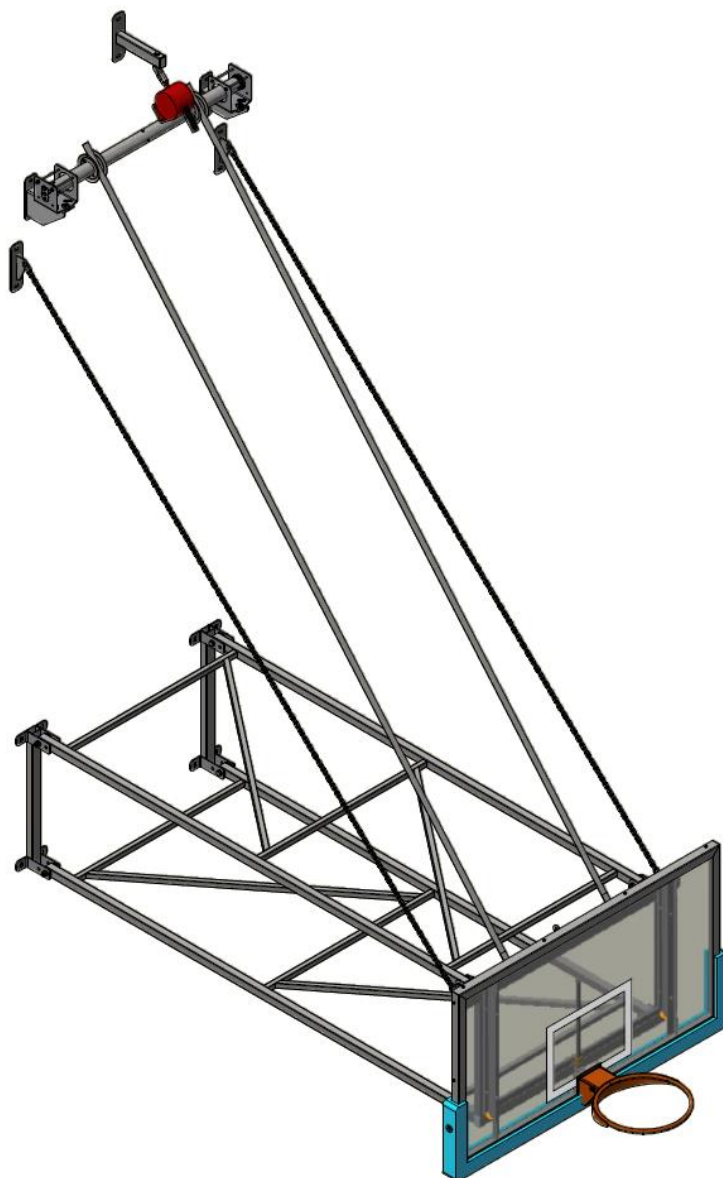


PRODUCT CARD

(with installation manual)

**WALL MOUNTED CONSTRUCTION 3,25 M
(UP-FOLDING)**



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I. List of components :

No.	Name	Quantity
1.	Wall support frames	1 pcs
2.	Upper/lower frame	2 pcs
3.	Backboard support frame	1 pcs
4.	Motor unit	1 pcs
5.	Set of grips (for engine, safety brakes, chains)	1 set
6.	Set of installation elements (chains, screws, etc.)	1 set

II. Complimentary products

1. Backboards

Name	Index		Q	Description
Acrylic backboard, 180x105 cm		Pcs	1	Professional backboard 180x105 cm made of acrylic glass 10 mm thick. According to EN 1270 norm. Backboard is mounted to the metal frame for ring fixation.
Laminate backboard, 180x105 cm		Pcs	1	Professional backboard 180x105 cm made of glass fibre. According to EN 1270 norm. Backboard is mounted to the metal frame for ring fixation.

2. Rings

Dunk ring		Pcs	1	Dunk ring (spring mechanism). Dimensions and colour according to EN 1270 norm. Hookless net installation. Ring is protected against corrosion with galvanization and then powder-coating.
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3. Backboard protection padding

Professional backboard protection padding 180x105 cm		Pcs	1	Professional backboard protection padding made from special PU foam. U-width 55 mm (width of the down edge of board). Attached to 180x105 cm backboards by screws.
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4. Net

Net		Pcs	1	Polypropylene net 5mm in white colour
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5. Height adjustment mechanism

Height adjustment mechanism - OPTIONAL		Pcs	1	Height adjustment mechanism Continuous adjustment within range of 260-305 cm. Steel galvanized construction. Crank handle included.
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III. Product description

Index	Depends on dimensions
Dimensions	For 3,25 m a wall with height of 7,1 m is required.
Weight	-
Colour	Any RAL colour
Certificate	Safety Certificate B
Description	Wall mounted, up-folded electrically construction. Made of steel, protected against corrosion by powder coating (in standard on white RAL 9003). In standard available with projections of 1,25; 2,25 and 3,25 m. Designed for all types of 180x105 cm backboards (glass, acrylic, laminate). Construction is winched with an Somfy LT 60 Taurus engine and operated with a key switch (in set). All constructions are equipped with a safety break (load arrestor useful in case of an engine failure or chains/belts/anchors damage). The construction is made in accordance with EN 1270 norm. Power supply: 230V, 50-60 Hz.

IV. Product Purpose

Construction is designed solely for playing basketball in sport halls. The purpose of the construction is to install basketball backboards and basketball rings.

V. Installation manual

TOOLS AND EQUIPMENT REQUIRED

Scissor lift or scaffolding	Polypropylene ropes
Hand tools	Power drill
Cable and bolt cutters	Spirit level
Laser measuring device	Cable ties
Drop cord	Plumb bob
Thick foil	Measuring tape
Angle grinders with accessories.	Injectable adhesive anchors (min. 9 KN)
Steel, threaded rods (M12)	Rotary hammer with set of drills

TOOLS AND EQUIPMENT RECOMMENDED (OPTIONAL)

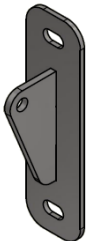
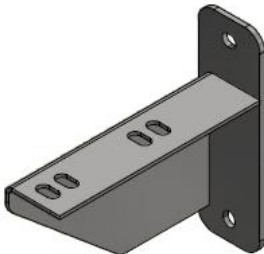
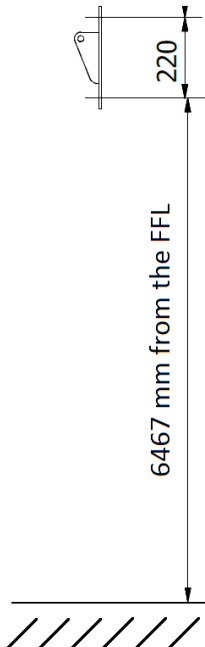
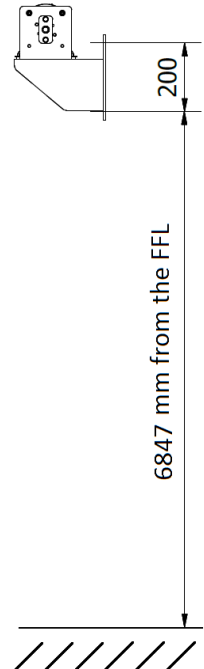
Platform trolley
Cordless screwdrivers
Sheets of plywood or protection tiles (velour surface)
Chain fall hoist
Fall protection for tools

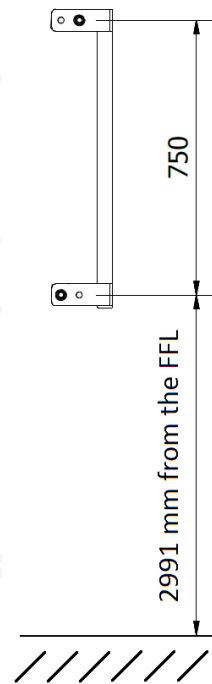
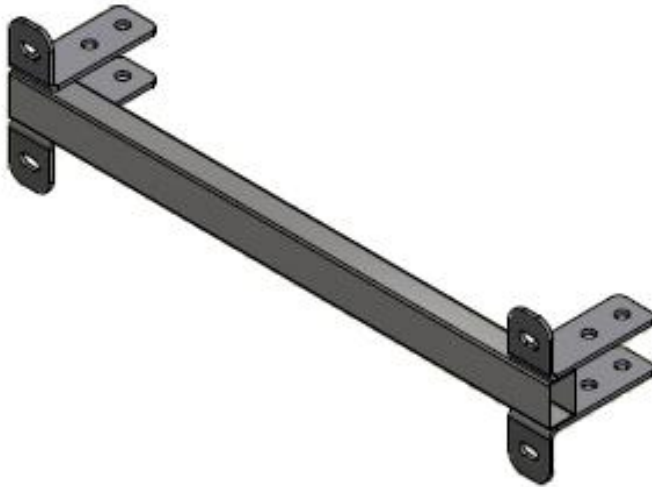
RECOMMENDED SAFETY CLOTHING (to be worn during the installation and maintenance)

Hard hat	Professional harness
Steel toe work boots	Leather gloves

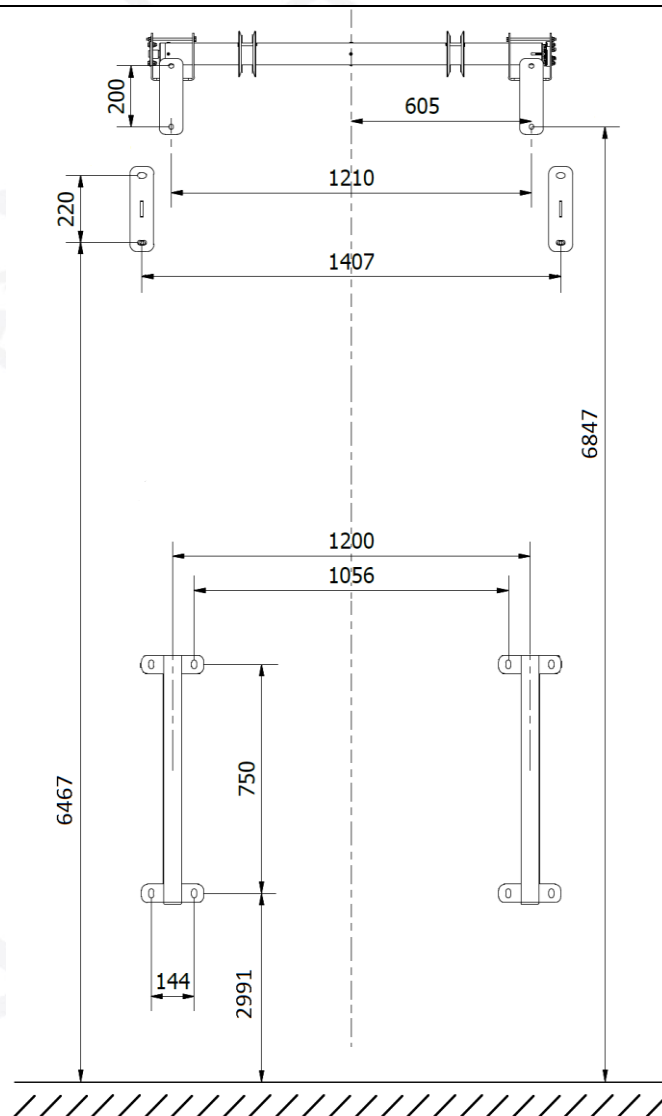
Step 1 – preparations

1.1	Make sure, that you properly protected the sports flooring (in other way, the scaffolding/scissor lift, tools, falling screws/nuts or construction parts might cause serious damages of the sports surface).
1.2	Unpack the construction parts. Check if there are not any elements missing (according to provided drawing).
1.3	Prepare the scaffolding / scissor lift

Step 2 – installation of the construction	
2.1	INSTALLATION OF THE WALL SUPPORT FRAME AND BRACKETS:
	
	

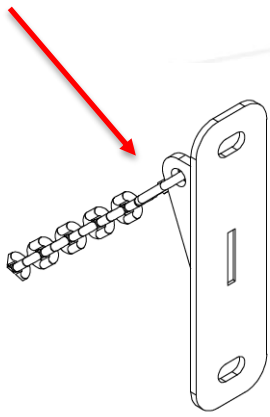
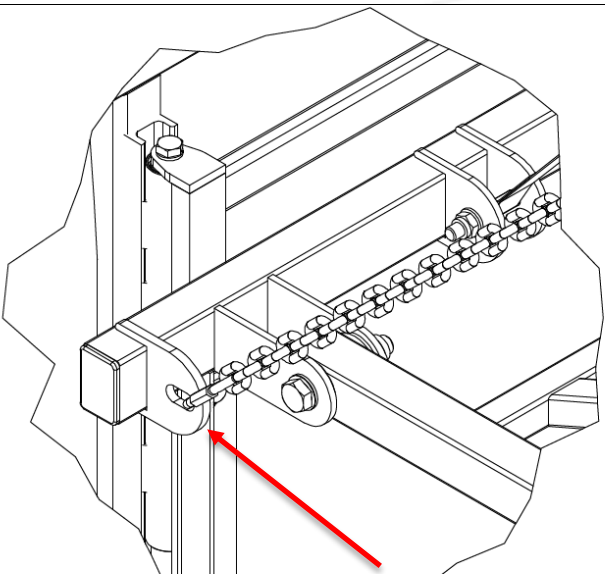
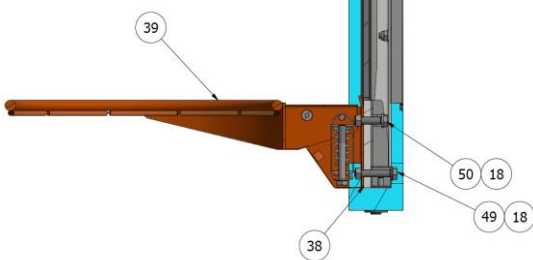
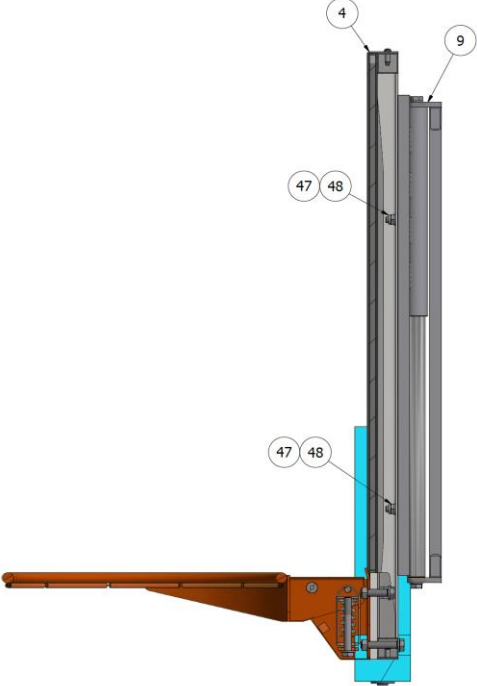


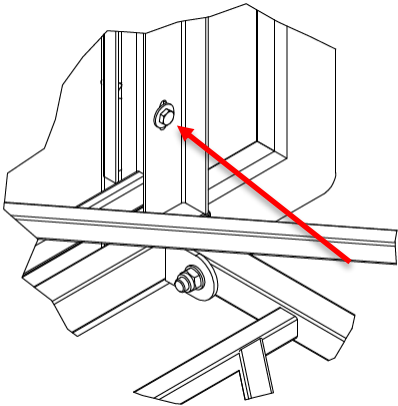
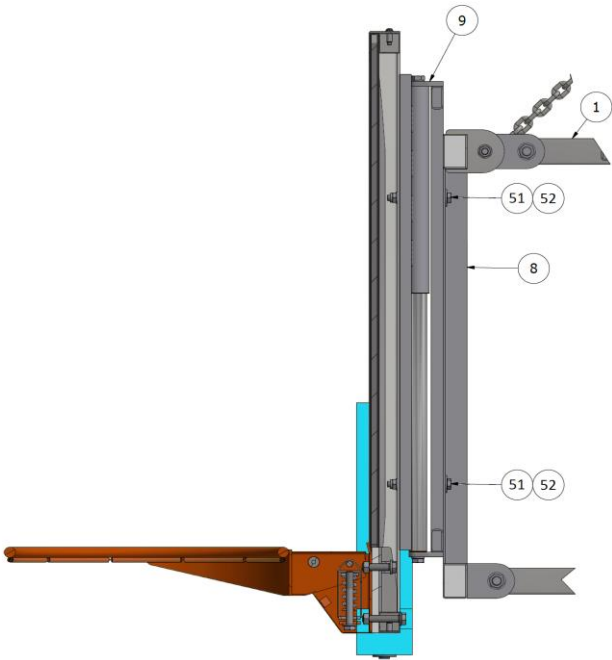



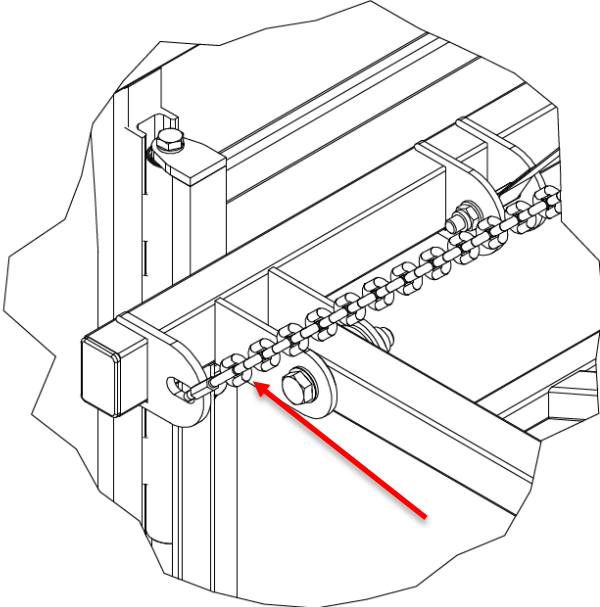
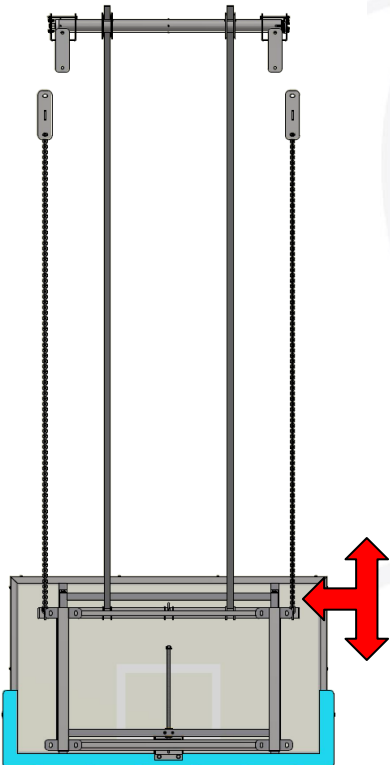
General view on the wall with all brackets.



2.2	<div data-bbox="245 203 486 461"> </div> <div data-bbox="635 203 1345 1160"> </div>
2.3	<div data-bbox="209 1169 1098 1641"> <div data-bbox="229 1218 616 1507"> </div> <div data-bbox="667 1218 1070 1630"> </div> </div> <div data-bbox="1114 1211 1417 1487"> <p>Connect the engine to the wall brackets (3/22).</p> <p><u>Use:</u></p> <ul style="list-style-type: none"> - M12x30 bolts - A13 washers - M12 nut <p>WARNING: do not attach the belts yet.</p> </div>

2.4	Install both support frames (1) <div data-bbox="284 210 657 434"> </div> <div data-bbox="751 192 1369 416"> <p>Connect frames with the pre-installed wall brackets use:</p> <ul style="list-style-type: none"> - M16x100 bolts (68) - A17 washers (17) - 16 mm nylon washers (10) - M16 nuts (14) <p>Use the same set for all 4 attachment points (2x top + 2x bottom)</p> </div>	
	<p style="text-align: center;">TOP</p> <div data-bbox="236 501 842 770"> </div>	<p style="text-align: center;">BOTTOM</p> <div data-bbox="847 479 1394 860"> </div>
<p>⚠ WARNING: MAKE SURE, THAT YOU PUT THE M 16x100 BOLT IN A CORRECT HOLE.</p>		
2.5	Attach the backboard support frame (8) <div data-bbox="252 949 740 1487"> </div>	
	<p style="text-align: center;">TOP</p> <div data-bbox="252 1554 836 2002"> </div>	<p style="text-align: center;">BOTTOM</p> <div data-bbox="943 1599 1442 1912"> </div>

2.6	Connect the chains (8)	
	<p style="text-align: center;">TOP</p> 	<p style="text-align: center;">BOTTOM</p> 
	<p style="text-align: center;">USE 7 MM QUICK LINKS (4 pcs for 1 basket).</p> <p>⚠ THE CHAIN IS ALWAYS PROVIDED A BIT LONGER, THAN REQUIRED. DO NOT CUT THE CHAIN YET! THIS OPERATION WILL BE PERFORMED AFTER SETTING THE RING ON 3,05 M!</p>	
2.7	<p>On the ground, attach the ring (39) to the backboard. Use:</p> <ul style="list-style-type: none"> • M12x50 screws (top) (50) • M12x65 screws (bottom) (49) • M12 washers (18) • Nylon distance pad 160x150 mm (38) <p>⚠ Do not put the safety pad on yet. It can be performed later, to avoid damages.</p>	
2.8	<p>HEIGHT REGULATION MECHANISM (9) (skip this point if you did not ordered it)</p> 	<p>On the floor, connect the pre-assembled backboard (4) with the height regulation mechanism (9). Use:</p> <ul style="list-style-type: none"> • M10 nuts (48) • A10,5 washers (47)

2.9	<p>Attach the backboard (9) to the main frame (8). Use:</p> <ul style="list-style-type: none"> • M10x25 bolts • A10,5 widened washers 	 
2.10	<p>Set the proper ring height (305 cm).</p> <p> In order to do it properly, we recommend to use torpedo leveller and laser.</p> <p> WARNING: be very careful! The construction already weights around 180 kg! Do not remove both chains at the same time!</p>	<p>To set requested ring's height, adjust the length of both chains, by removing the rings and cut away what is left.</p> 
		

2.11 Connect the backboard's support frame (8) with the engine's console (7) with provided belts. There need to be 2 (two) belts for each basket. For 3,25 m projection **5400 mm** long belts should be provided.

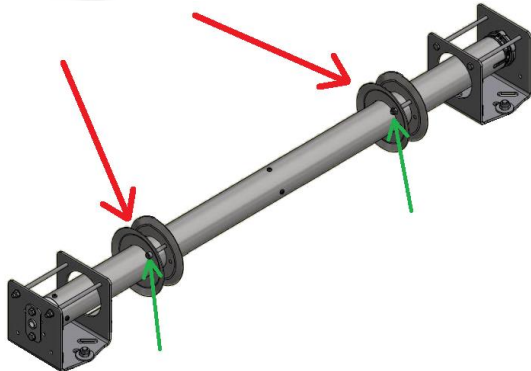
NOTE: both belts are a bit longer than required. Use the engine to roll them few times before setting up the limit switch (or roll them 3-4 times manually).

WARNING!!!



- both belts must be tensioned in a very similar way, to avoid overloading one of them!
- both belts must be always put on! No not ever dismount even one!
- do periodical check-ups of the belts condition! Any visible damage must be reported to the producer or its authorized dealer! It is forbidden to use the unit when belts are damaged!

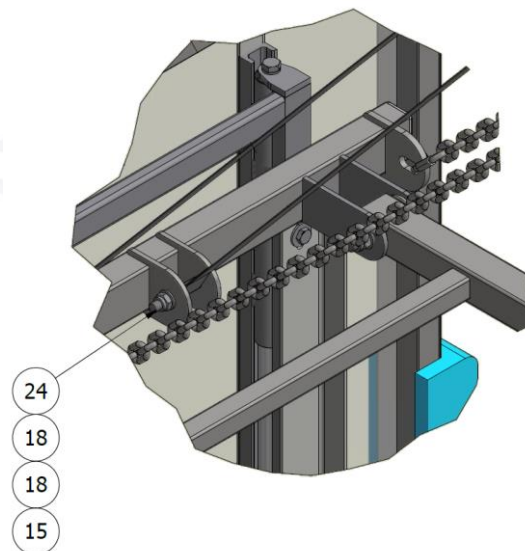
First end of the belt attach to the engine:



Note: Make sure, that green marked screws and nuts are tightened properly when you finish.

Second end of the belt attach to the backboard's support frame: Use provided:

- M12x80 bolts (24)
- A13 washers (18)
- M12 self-locking nuts (15)

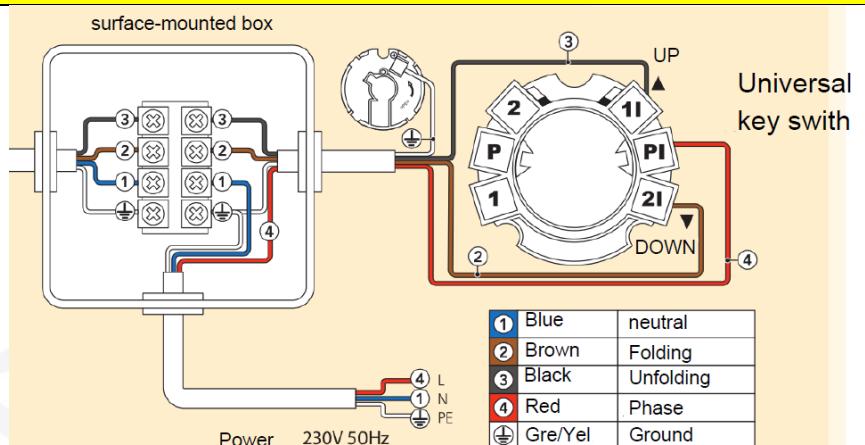


WARNING!!!

WHEN THE CONSTRUCTION IS IN "PLAY" POSITION:

- **BOTH CHAINS MUST BE TENSIONED!!!**
- **BOTH BELTS MUST HANG FREELY! (they cannot carry the load)**

2.12 Connect the electricity (power supply). Full electrical scheme is shown on a separate attachment.



2.13	<p>Install the load arrestor.</p> <p>Install the M12x80 bolt in the wall bracket (5). Screw it with M12 eye nut. Remember to put the washer under the bolt.</p> <p>Attach the load arrestor (81) to the wall bracket (5) by using provided quick link (66).</p>	
	<p>The end of the load arrestor's steel wire cope connect with the backboard's support frame (8). Use:</p> <ul style="list-style-type: none"> - M12x80 bolts (24) - A13 washers (18) - M12 self-locking nuts (15) - Quick link 	
2.14	<p>Set up the limit switches in the engine (according to motor user's manual – SOMFY TAURUS LT60 120/12)</p>	
2.15	<p>Put on the safety pad and net</p>	

VI. Instruction of use

1. Installation and service can be performed only by the producer or dealers appointed by the producer.
2. The construction should be inspected regularly (minimum every 6 months), the inspection can be performed only by the producer or dealers appointed by the producer.
3. Construction is designed solely for folding the backboard and cannot be used for any other purpose.
4. It is forbidden to hang on the ring or net, especially while the engine is in use!
5. It is forbidden to burden the equipment in any way.
6. Up folding and down folding of the construction should not be performed more than 3-4 times per hour. If the construction is folded too often the engine will stop due to thermal protection. If it happens – wait for approximately 20 minutes until the thermal protection is off.
7. Before each folding check whether there is nothing that can obstruct the folding.
8. Operating keys should be available only for authorized persons.
9. The equipment must be operated only by authorized and trained persons.
10. Both belts must be always put on! No not ever dismount even one!
11. Removing or disconnecting the fall arrestor (safety device) is strictly forbidden!
12. Do periodical check-ups of the belts condition! Any visible damage must be reported to the producer or its authorized dealer! It is forbidden to use the unit when belts are damaged!

VII. Packing

All elements are protected for transport with bubble and stretch foil.

VIII. Warranty

Detailed warranty terms are described in the attachment no 1 - **STANDARD PRODUCT WARRANTY**

IX. Maintenance and Service

For any queries regarding product, spare parts or problems please contact: help@interplastic.pl

X. Others

Table a. General bolt tightening torques in Nm (max. permissible)						
Bolt diameter	Bolt Class (according to DIN 267)					
	5.6	5.8	6.8	8.8	10.9	12.9
M5	2.5	3.5	4.5	6	8	10
M6	4.5	6	7.5 5.5 ft lb	10 7.4 ft lb	14 10.3 ft lb	17
M8	11	15 11.1 ft lb	18 13.3 ft lb	24 17.7 ft lb	34 25.1 ft lb	40
M10	23	30 22.1 ft lb	36 26.6 ft lb	47 34.6 ft lb	66 48.7 ft lb	79
M12	39	52 38.4 ft lb	62 45.7 ft lb	82 60.5 ft lb	115	140
M14	62	82	98	130	180	220
M16	94	126	150	200	280	340
M18	130	174	210	280	390	470