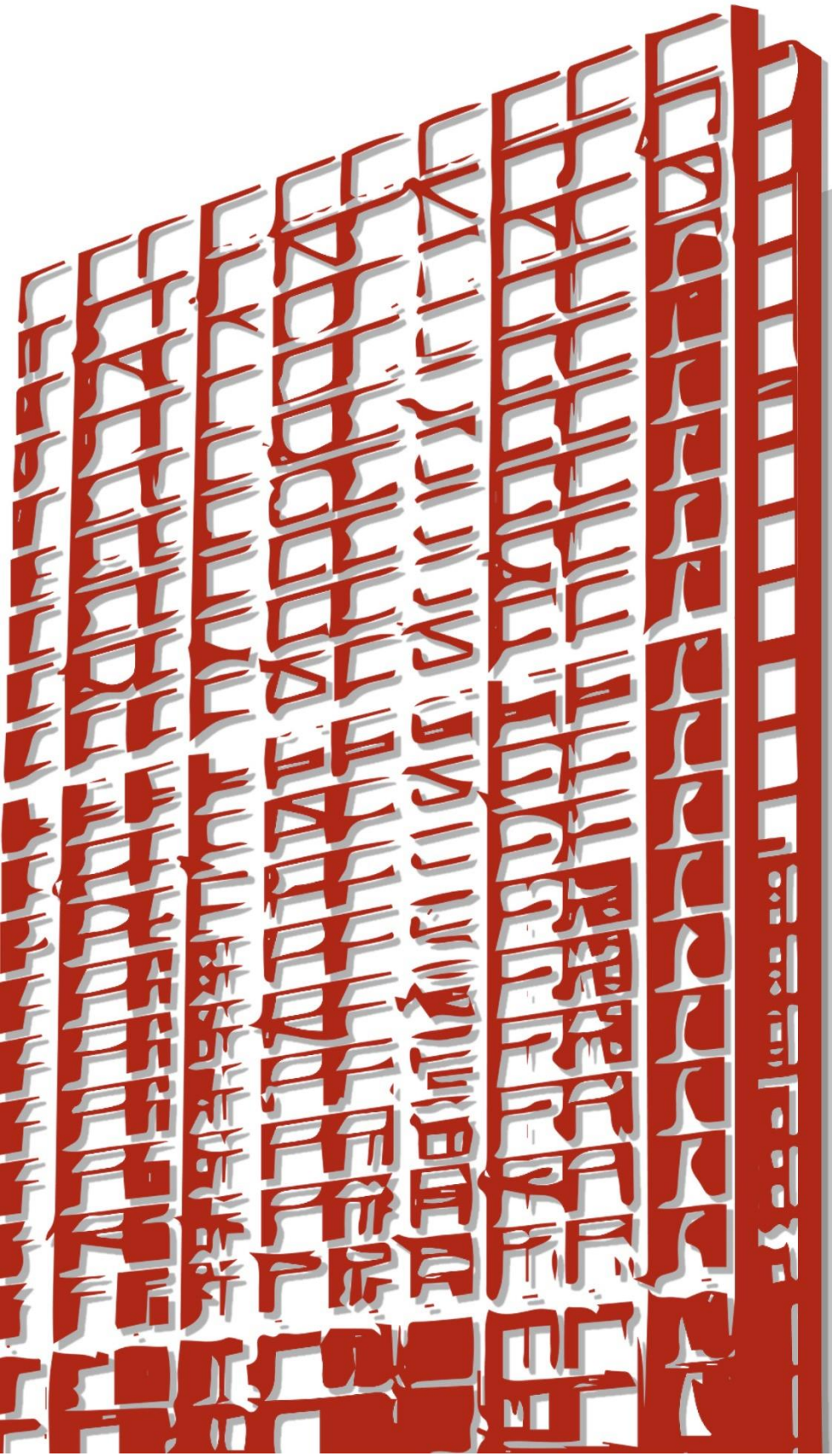
FARESIN FORMWORK

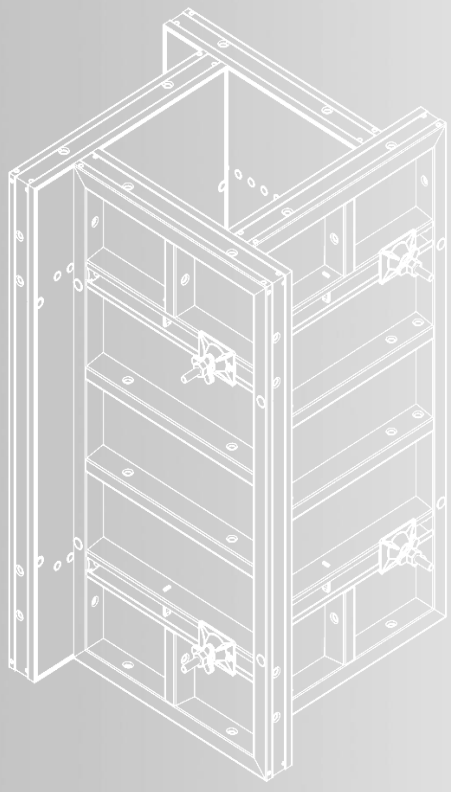
TOGETHER WE BUILD THE WORLD

INSTRUCTIONS FOR ASSEMBLY AND USE

POKER 75 - 100

ID NO: 01.04





PLEASE READ THIS MANUAL CAREFULLY BEFORE USING THE PRODUCTS PROVIDED.

V.06.18

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GENERAL

FARESIN FORMWORK S.p.A. UNIPERSONALE (hereinafter referred to as "**FARESIN FORMWORK**") is constantly committed to guaranteeing the highest quality products, and providing an extensive after sales service. The continuous upgrading of our products is a company policy objective which is also pursued in collaboration with our customers. For more detailed information or information not contained in this manual, and to utilize our after sales service contact our technical service department and the staff will be sure to find a solution for even the most demanding needs.

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Faresin Formwork S.p.A. guarantees its products only if they are used correctly as described in this manual. If the products do not conform to the description given in the manual inform the company's Technical Service immediately, providing all the details requested, to ensure that the product is suitable for use.

This manual points out the hazards due to the sole use of systems for poker pillars and their accessories, in standard predefined conditions, and does not consider specific construction site conditions and/or interferences with other operations. Therefore, interferences with other operations and situations of use that could expose operators to specific risks or that can in any way lower the performance of the supplied product, must be subjected to prompt analysis within the sphere of the specific construction site .

Faresin Formwork S.p.A. can supply, on request, a service to assemble, inspect and dimension the Poker pillar systems for specific applications.

⚠ *This user's manual is subject to constant updating and review without prior notice; the user must ensure that he is in possession of the most up to date version before beginning to use the equipment.*

DEFINITION

- ***Description***: A100 steel box formwork with 13 cross-layered, 18 mm Finnish birch timber lining protected by 180 g/m² thermosetting phenolic resin, bored and sealed with plastic bush. Furthermore, supplied with 4 or 5 anti-leak tie rods depending on the formwork (Poker75 or Poker100).

- ***Operating cycle***: the cycle comprises an erection phase followed by use, stripping and transporting phases.

- ***Standard conditions for use***: conditions in which the formworks have been erected correctly, as illustrated in this manual, by qualified, trained personnel, fastened to each other in such a way as to be capable of absorbing the actions of the concrete.

- ***Configuration:*** assembly of elements in standard conditions for use with a precise identification of elements, accessories, bracing, etc....

- ***PPE :*** personal protective equipment
  Use: in the phase of use and resistance to the pressure of the concrete after correct erection .

- ***Erection***: sequenced assembly of all the elements required to correctly erect the formwork in the most appropriate configuration to ensure its safe use.

- ***Dismantling:*** ordered removal of the individual elements utilized

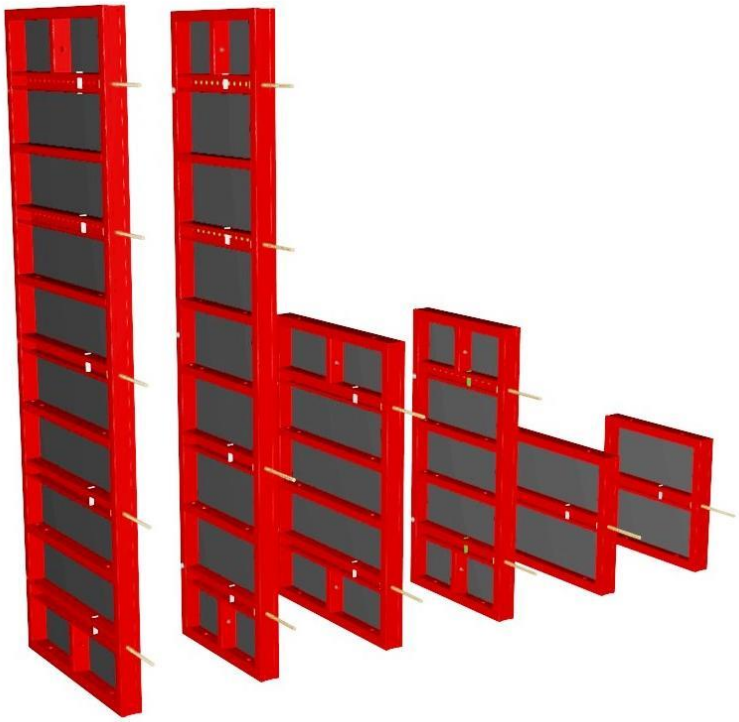
In this manual information is highlighted as explained below:

Compulsory instructions that must be implemented in order to ensure correct use of the products and to avoid potentially dangerous situations are printed in bold italic font.

⚠ This symbol indicates PAY SPECIAL ATTENTION to the instructions to ensure correct use of the products.

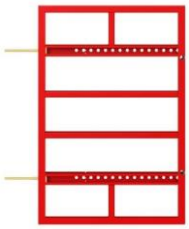
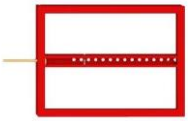
PRESENTATION OF THE PRODUCT

STANDARD POKER PANEL

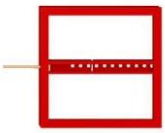


DESCRIPTION	CODE	SURF. AREA m²	Weight Kg.
PANEL 3000X1000X100	300100FP	3	136
PANEL 3000X750X100	300075FP	2.25	92.8
PANEL 1500X1000X100	150100FP	1.5	65
PANEL 1500X750X100	1500075FP	1.125	55
PANEL 750X1000X100	075100FP	0.75	33
PANEL 750X750X100	075075FP	19.4	27

POKER VIEW 100 FRAME

PRODUCT	DESCRIPTION	CODE	SURF. AREA m²	Weight Kg.
	3000x1000x100	300100FPW	3	87.5
	1500x1000x100	150100FPW	1.5	46.1
	750x1000x100	075100FPW	0.75	23.5

POKER VIEW 75 FRAME

PRODUCT	DESCRIPTION	CODE	SURF. AREA m²	Weight Kg.
	3000x750x100	300075FPW	2.25	69.2
	1500x750x100	150075FPW	1.125	38.5
	750x750x100	075075FPW	0.563	19.4

PLYWOOD PANELS FOR FRAME 300100FPW

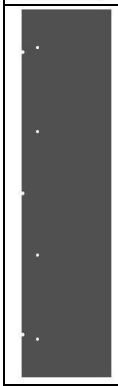
PRODUCT	DESCRIPTION	CODE	----------	Weight Kg.
	**Plywood panel for pillars 200x200 mm Max. H: 3000 mm**	**300100FPW/1/20**	**300100FPW**	**12.5**
	**Plywood panel for pillars 250x250 mm Max. H: 3000 mm**	**300100FPW/1/25**	**300100FPW**	**14.4**
	**Plywood panel for pillars 300x300 mm Max. H: 3000 mm**	**300100FPW/1/30**	**300100FPW**	**16.3**
	**Plywood panel for pillars 350x350 mm Max. H: 3000 mm**	**300100FPW/1/35**	**300100FPW**	**18.2**

	**Plywood panel for pillars 400x400 mm Max. H: 3000 mm**	**300100FPW/1/40**	**300100FPW**	**20**
	**Plywood panel for pillars 450x450 mm Max. H: 3000 mm**	**300100FPW/1/45**	**300100FPW**	**22**
	**Plywood panel for pillars 500x500 mm Max. H: 3000 mm**	**300100FPW/1/50**	**300100FPW**	**23.9**
	**Plywood panel for pillars 550x550 mm Max. H: 3000 mm**	**300100FPW/1/55**	**300100FPW**	**25.8**
	**Plywood panel for pillars 600x600 mm Max. H: 3000 mm**	**300100FPW/1/60**	**300100FPW**	**27.7**

	**Plywood panel for pillars 650x650 mm Max. H: 3000 mm**	**300100FPW/1/65**	**300100FPW**	**29.6**
	**Plywood panel for pillars 700x700 mm Max. H: 3000 mm**	**300100FPW/1/70**	**300100FPW**	**31.5**
	**Plywood panel for pillars 750x750 mm Max. H: 3000 mm**	**300100FPW/1/75**	**300100FPW**	**33.4**
	**Plywood panel for pillars 800x800 mm Max. H: 3000 mm**	**300100FPW/1/80**	**300100FPW**	**37.2**
	**Plywood panel for pillars 850x850 mm Max. H: 3000 mm**	**300100FPW/1/85**	**300100FPW**	**37.2**

PLYWOOD PANELS FOR FRAME 300075FPW

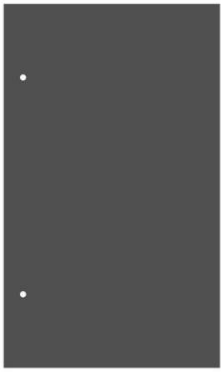
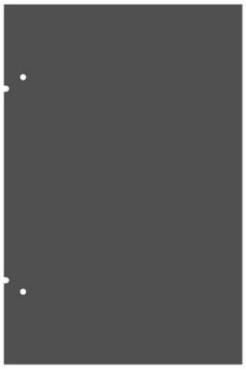
PRODUCT	DESCRIPTION	CODE		Weight Kg.
	**Plywood panel for pillars 200x200 mm Max. H: 3000 mm**	**300075FPW/1/ 20**	**------**	**12.5**
	**Plywood panel for pillars 250x250 mm Max. H: 3000 mm**	**300075FPW/1/ 25**	**------**	**14.4**
	**Plywood panel for pillars 300x300 mm Max. H: 3000 mm**	**300075FPW/1/ 30**	**------**	**16.3**
	**Plywood panel for pillars 350x350 mm Max. H: 3000 mm**	**300075FPW/1/ 35**	**------**	**18.2**

	**Plywood panel for pillars 400x400 mm Max. H: 3000 mm**	**300075FPW/1/40**	**------**	**20**
	**Plywood panel for pillars 450x450 mm Max. H: 3000 mm**	**300075FPW/1/45**	**------**	**22**
	**Plywood panel for pillars 500x500 mm Max. H: 3000 mm**	**300075FPW/1/50**	**------**	**23.9**
	**Plywood panel for pillars 550x550 mm Max. H: 3000 mm**	**300075FPW/1/55**	**------**	**27.7**
	**Plywood panel for pillars 600x600 mm Max. H: 3000 mm**	**300075FPW/1/60**	**------**	**27.7**

PLYWOOD PANELS FOR FRAME 150100FPW/150075FPW

PRODUCT	DESCRIPTION	CODE		Weight Kg.
	Plywood panel for pillars 200x200 mm Max. H: 1500 mm	150100FPW/1/20	150100FPW 150075FPW	6.2
	Plywood panel for pillars 250x250 mm Max. H: 1500 mm	150100FPW/1/25	150100FPW 150075FPW	7.1
	Plywood panel for pillars 300x300 mm Max. H: 1500 mm	150100FPW/1/30	150100FPW 150075FPW	8.1
	Pannello multistrato per pilastri 350x350 mm Max. H: 1500 mm	150100FPW/1/35	150100FPW 150075FPW	9

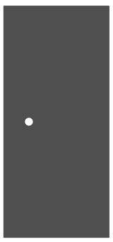
	**Plywood panel for pillars 400x400 mm Max. H: 1500 mm**	**150100FPW/1/40**	**150100FPW** **150075FPW**	**10**
	**Plywood panel for pillars 450x450 mm Max. H: 1500 mm**	**150100FPW/1/45**	**150100FPW** **150075FPW**	**10.9**
	**Plywood panel for pillars 500x500 mm Max. H: 3000 mm**	**150100FPW/1/50**	**150100FPW** **150075FPW**	**11.9**
	**Plywood panel for pillars 550x550 mm Max. H: 1500 mm**	**150100FPW/1/55**	**150100FPW**	**12.8**
	**Plywood panel for pillars 600x600 mm Max. H: 1500 mm**	**150100FPW/1/60**	**150100FPW**	**13.8**

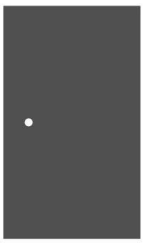
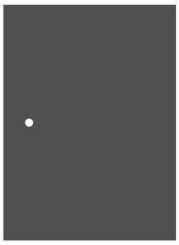
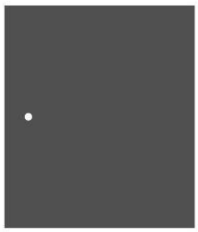
	**Plywood panel for pillars 650x650 mm Max. H: 1500 mm**	**150100FPW/1/65**	**150100FPW**	**14.7**
	**Plywood panel for pillars 700x700 mm Max. H: 1500 mm**	**150100FPW/1/70**	**150100FPW**	**15.6**
	**Plywood panel for pillars 750x750 mm Max. H: 1500 mm**	**150100FPW/1/75**	**150100FPW**	**16.6**
	**Plywood panel for pillars 800x800 mm Max. H: 1500 mm**	**150100FPW/1/80**	**150100FPW**	**18.5**
	**Plywood panel for pillars 850x850 mm Max. H: 1500 mm**	**150100FPW/1/85**	**150100FPW**	**18.5**

SPECIAL PLYWOOD PANELS FOR FRAME 150075FP

PRODUCT	DESCRIPTION	CODE		Weight Kg.
	**Plywood panel for pillars 550x550 mm Max. H: 1500 mm**	**150075FPW/1/55**	**150075FPW**	**13.7**
	**Plywood panel for pillars 600x600 mm Max. H: 1500 mm**	**150075FPW/1/60**	**150075FPW**	**13.7**

PLYWOOD PANELS FOR FRAME 075100FPW/075075FP

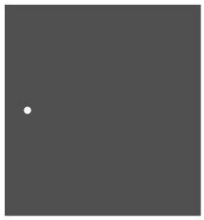
PRODUCT	DESCRIPTION	CODE		Weight Kg.
	**Plywood panel for pillars 200x200 mm Max. H: 750 mm**	**075100FPW/1/20**	**075100FPW** **075075FPW**	**3**
	**Plywood panel for pillars 250x250 mm Max. H: 750 mm**	**075100FPW/1/25**	**075100FPW** **075075FPW**	**3.5**

	**Plywood panel for pillars 300x300 mm Max. H: 750 mm**	**075100FPW/1/30**	**075100FPW** **075075FPW**	**4**
	**Plywood panel for pillars 350x350 mm Max. H: 750 mm**	**075100FPW/1/35**	**075100FPW** **075075FPW**	**4.4**
	**Plywood panel for pillars 400x400 mm Max. H: 750 mm**	**075100FPW/1/40**	**075100FPW** **075075FPW**	**4.9**
	**Plywood panel for pillars 450x450 mm Max. H: 750 mm**	**075100FPW/1/45**	**075100FPW** **075075FPW**	**5.4**
	**Plywood panel for pillars 500x500 mm Max. H: 750 mm**	**075100FPW/1/50**	**075100FPW** **075075FPW**	**5.8**

	**Plywood panel for pillars 550x550 mm Max. H: 750 mm**	**075100FPW/1/55**	**075100FPW**	**6.3**
	**Plywood panel for pillars 600x600 mm Max. H: 750 mm**	**075100FPW/1/60**	**075100FPW** **075075FPW**	**6.8**
	**Plywood panel for pillars 650x650 mm Max. H: 750 mm**	**075100FPW/1/65**	**075100FPW**	**7.2**
	**Plywood panel for pillars 700x700 mm Max. H: 750 mm**	**075100FPW/1/70**	**075100FPW**	**7.7**
	**Plywood panel for pillars 750x750 mm Max. H: 750 mm**	**075100FPW/1/75**	**075100FPW**	**8.2**

	**Plywood panel for pillars 800x800 mm Max. H: 750 mm**	**075100FPW/1/80**	**075100FPW**	**9.1**
	**Plywood panel for pillars 850x850 mm H max:750 mm**	**075100FPW/1/85**	**075100FPW**	**9.1**

SPECIAL PLYWOOD PANELS FOR FRAME 075075FP

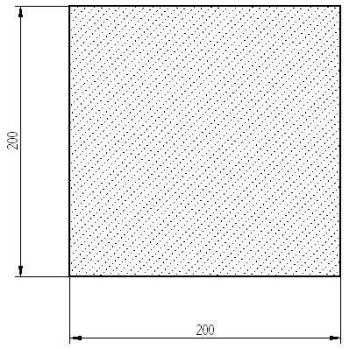
PRODUCT	DESCRIPTION	CODE		Weight Kg.
	**Plywood panel for pillars 550x550 mm Max. H: 750 mm**	**075075FPW_1_55**	**075075FPW**	**6.7**

USE OF THE PLAIN PLYWOOD ON POKER VIEW FRAMES

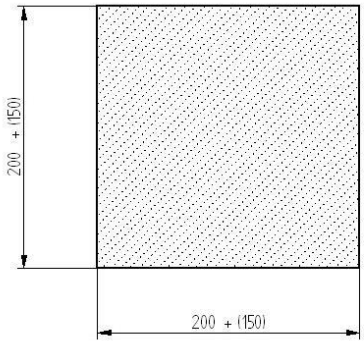
This section explains how to choose, prepare and mount a plain plywood panel, that is, without holes, on a POKER VIEW panel.

How to choose the plywood:

1. Suppose we want to cast a pillar H 3m having a cross section with the following measurements:



2. Add to the measurement of the side of the pillar + 150 mm



This will give you a measurement of **350** mm

Use a plywood cut to measure for a standard panel of width 350mm, which in our case (for a panel 3000mm high) has the following code:

300035M

300 — **FRAME HEIGHT**

035 — **PILLAR SIDE MEASUREMENT +150 mm**

(200+150)=350mm=35cm

The following tables give a list of available plywoods precut to measure:

PLAIN PLYWOODS FOR FRAME 300100FPW/300075FPW

CODE	DESCRIPTION		Weight Kg.
300020M	2978X328 SP.18mm		12.5
300025M	2978X378 SP.18mm		14.4
300030M	2978X428 SP.18mm		16.3
300035M	2978X478 SP.18mm		18.2
300040M	2978X528 SP.18mm		20
300045M	2978X578 SP.18mm		22
300050M	2978X628 SP.18mm		23.9
300055M	2978X678 SP.18mm		25.8
300060M	2978X728 SP.18mm		27.7
300065M	2978X778 SP.18mm		29.6
300070M	2978X828 SP.18mm		31.5
300075M	2978X878 SP.18mm		33.4
300080M	2978X928 SP.18mm		37.2
300085M	2978X978 SP.18mm		37.2

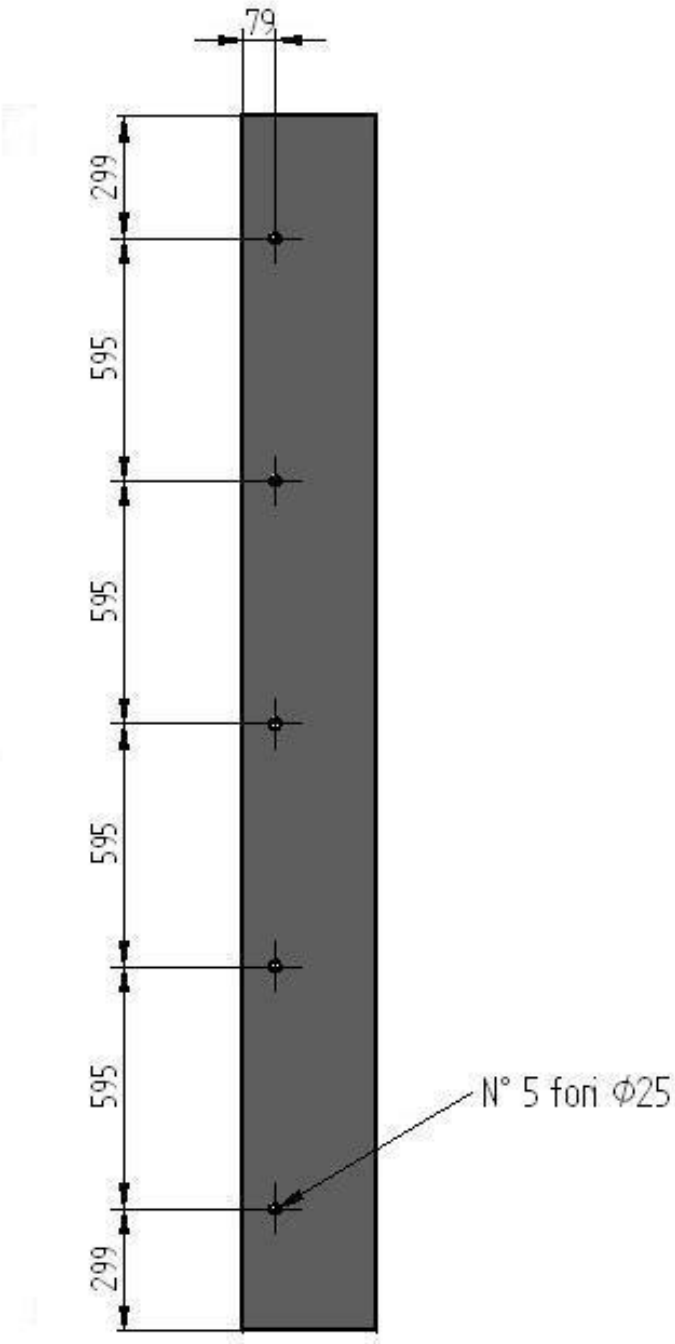
PLAIN PLYWOODS FOR FRAME 150100FPW/-150075FPW

CODE	DESCRIPTION		Weight Kg.
150020M	1478X328 SP.18mm		6.2
150025M	1478X378 SP.18mm		7.1
150030M	1478X428 SP.18mm		8.1
150035M	1478X478 SP.18mm		9
150040M	1478X528 SP.18mm		10
150045M	1478X578 SP.18mm		10.9
150050M	1478X628 SP.18mm		11.9
150055M	1478X678 SP.18mm		12.8
150060M	1478X728 SP.18mm		13.8
150065M	1478X778 SP.18mm		14.7
150070M	1478X828 SP.18mm		15.6
150075M	1478X878 SP.18mm		16.6
150080M	1478X928 SP.18mm		18.5
150085M	1478X978 SP.18mm		18.5

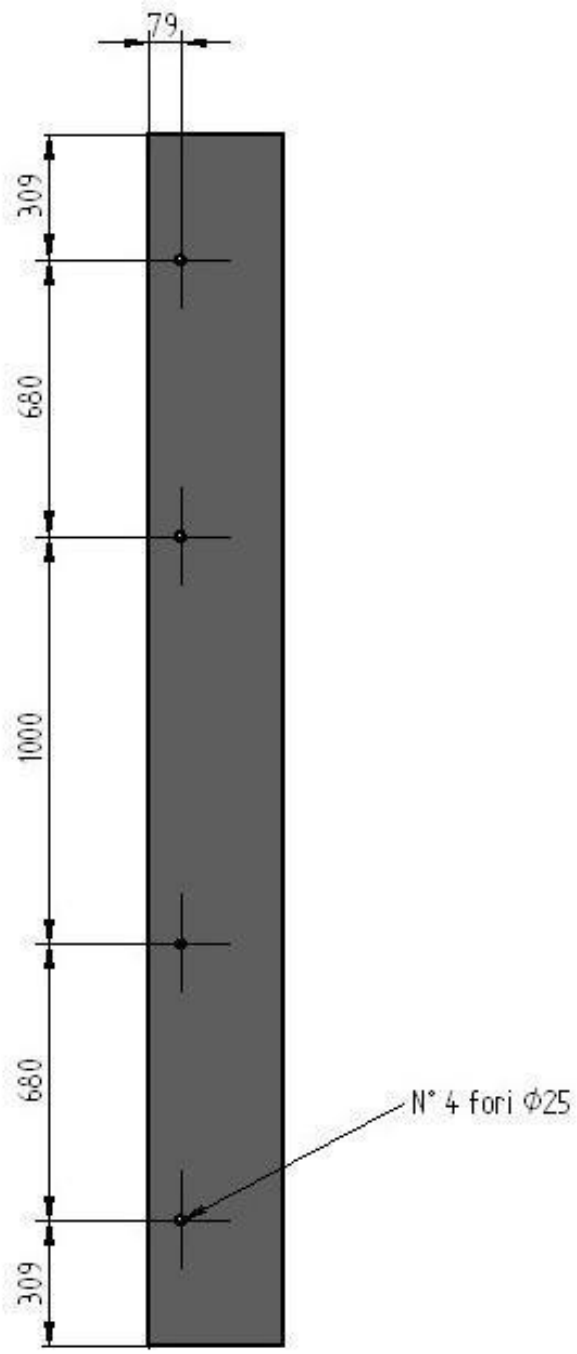
PLAIN PLYWOODS FOR FRAME 075100FPW/-075075FPW

CODE	DESCRIPTION		Weight Kg.
075020M	728X328 SP.18mm		3
075025M	728X378 SP.18mm		3.5
075030M	728X428 SP.18mm		4
075035M	728X478 SP.18mm		4.4
075040M	728X528 SP.18mm		4.9
075045M	728X578 SP.18mm		5.4
075050M	728X628 SP.18mm		5.8
075055M	728X678 SP.18mm		6.3
075060M	728X728 SP.18mm		6.8
075065M	728X778 SP.18mm		7.2
075070M	728X828 SP.18mm		7.7
075075M	728X878 SP.18mm		8.2
075080M	728X928 SP.18mm		9.1
075085M	728X978 SP.18mm		9.1

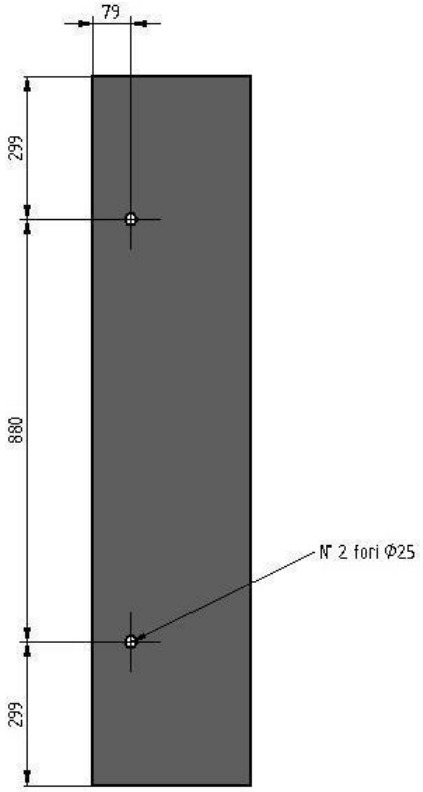
DRILLING POINTS ON PLYWOOD FOR FRAME 300100FPW



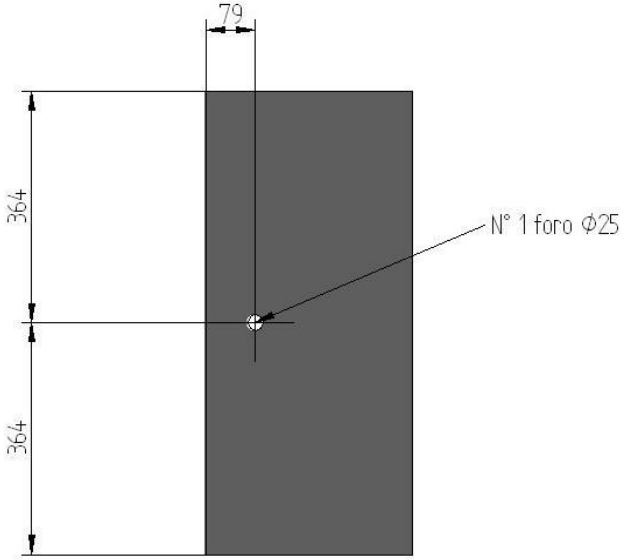
DRILLING POINTS ON PLYWOOD FOR FRAME 300075FPW



DRILLING POINTS ON PLYWOOD FOR FRAME 150100FPW/150075FPW

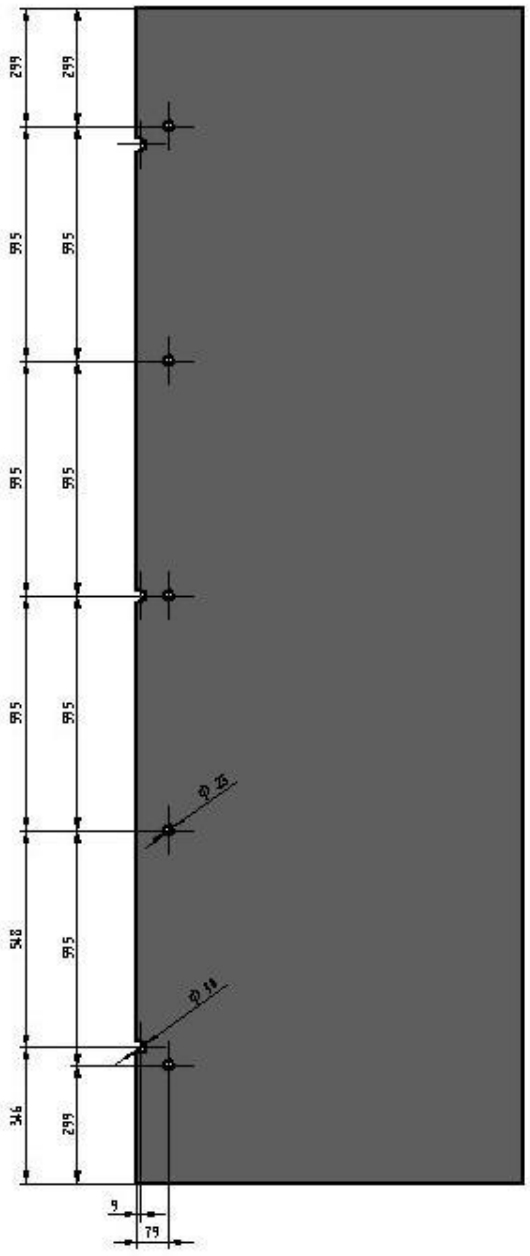


DRILLING POINTS ON PLYWOOD FOR FRAME 075100FPW/075075FPW

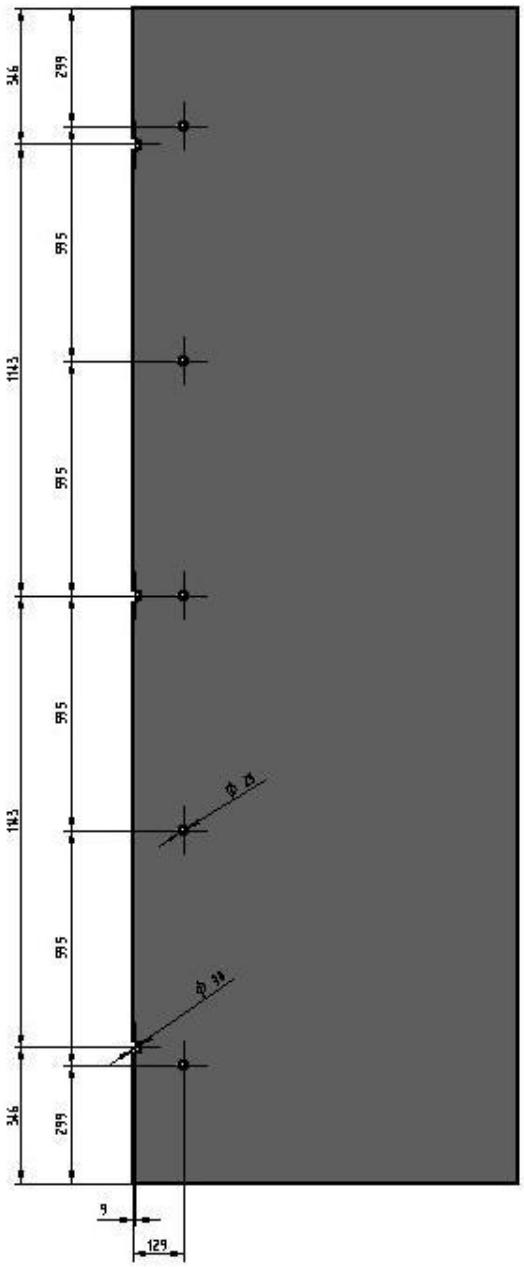


Some plywoods require extra holes, and these are:

300085M

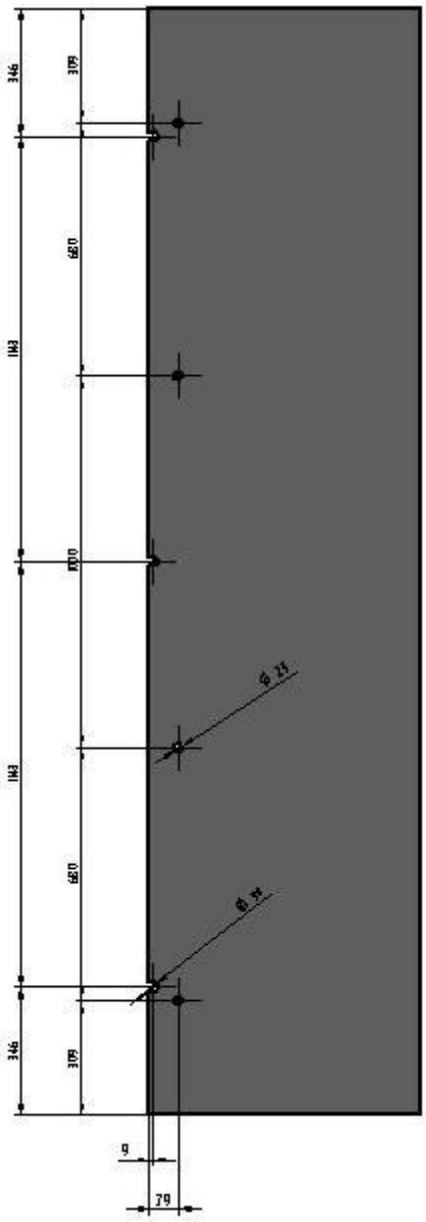


300080M

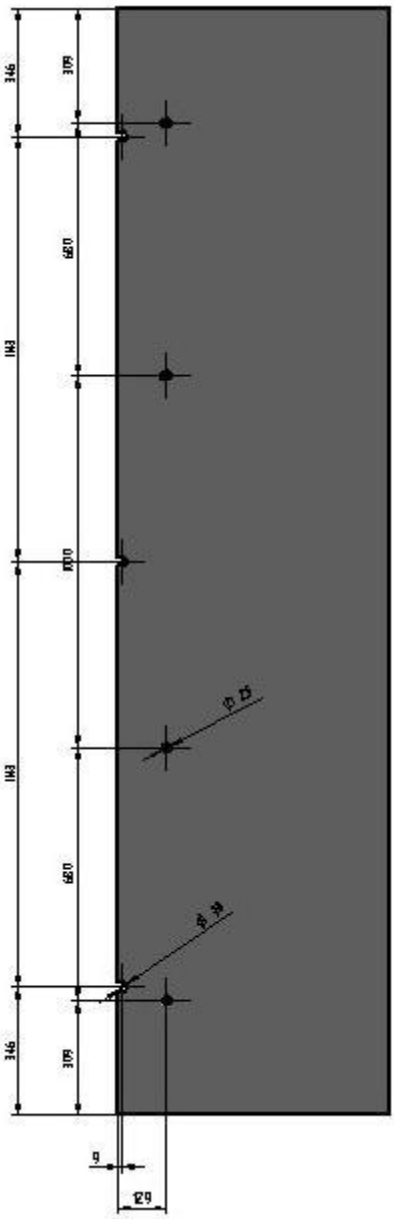


Measurements for plain plywood drilling points only for frame 300100FPW

300060M

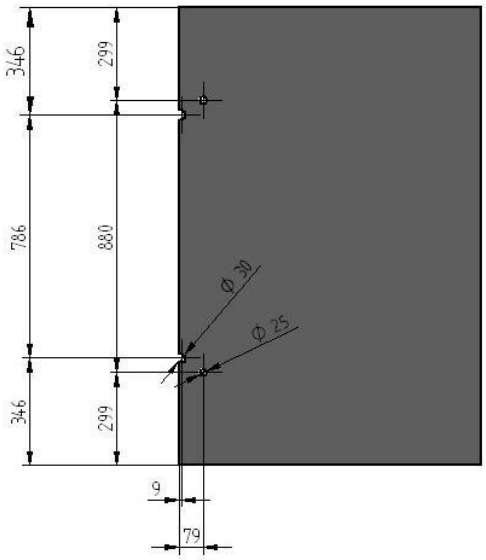


300065M

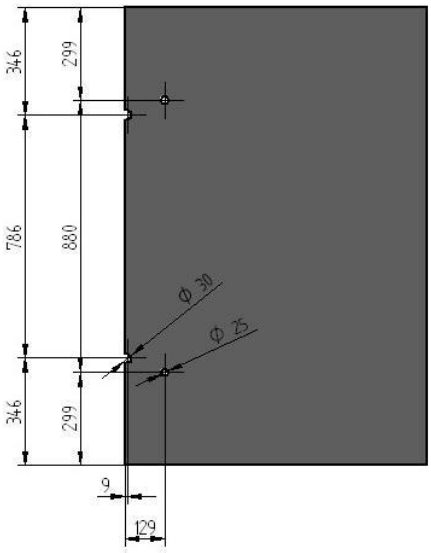


Measurements for plain plywood drilling points only for frame 300075FPW

150085M

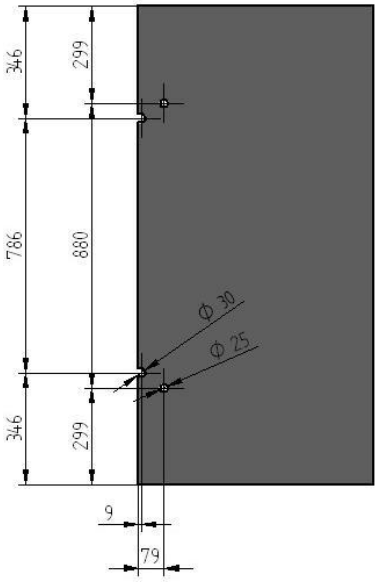


150080M

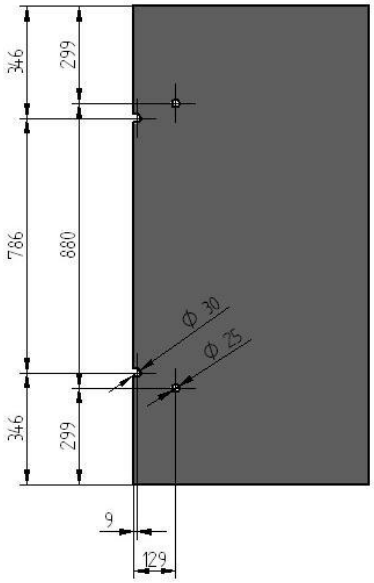


Measurements for plain plywood drilling points only for frame 150100FPW

150060M

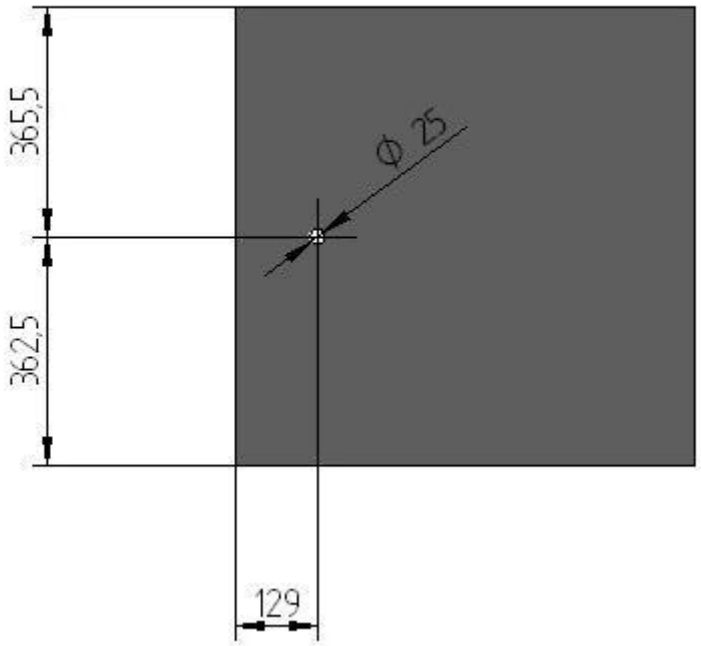


150055M



Measurements for plain plywood drilling points only for frame 150075FPW

075055M

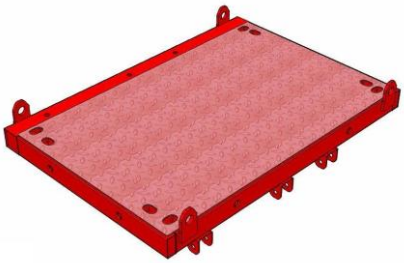
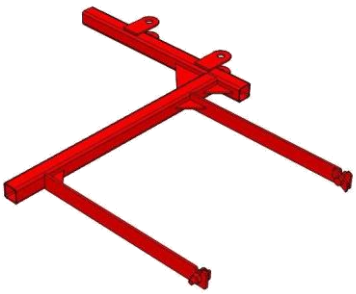


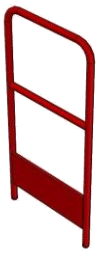
Measurements for plain plywood drilling points only for frame 075055FPW

For the section on fastening to the frame see chap. 6 erection of poker views.

DETAILS

PRODUCT	DESCRIPTION	CODE	Weight Kg
	**REVOLVING NUT PLATE**	**9168017**	**6.7**
	**ALIGNER CLAMP**	**8169066**	**5.56**
	**LIFTING HOOK A100**	**8168012**	**6.5**
⚠ **Always thoroughly check the condition of the hook and the product and the corresponding EC lifting capacity certificate**			
	**PLUMBER 250-450**	**8168776**	**36**
	PLUMBER 400-650	**8168780**	**60**
	PLUMBER 600-900	**8168530**	**180**

	**CHAMFER STRIP (3,00 M)**	**8169036**	**1.8**
	CHAMFER STRIP (1,5 M)	**8169035**	**0.9**
	**PLATFORM FOR COLUMNS**	**8169035**	**53.0**
	**TOP LADDER**	**8169018/C**	**17**
	**LOWER LADDER**	**8169017**	**13.50**
	**REMOVABLE LADDER**	**8169020/C**	**13**
	**BRACKET ASSEMBLY FOR LADDER**	**8169021/C**	**6.9**

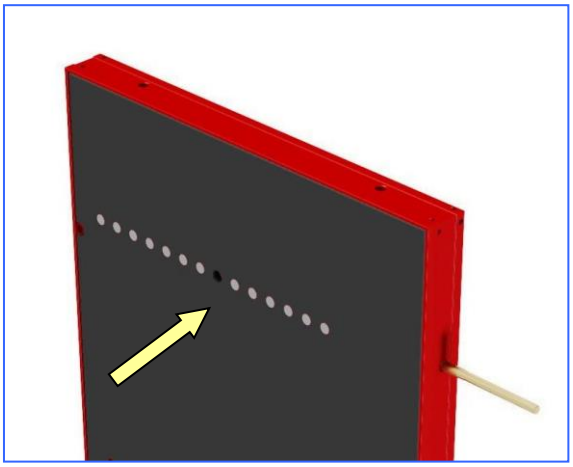
	**LADDER PROTECTION H1700**	**8169022**	**23**
	**LADDER PROTECTION H750**	**8169023**	**12**
	**MOVABLE GUARDRAIL ASSEMBLY**	**8169024/C**	**7.5**
	**PLATFORM HANDRAIL,SHORT**	**8169017**	**8.5**
	**PLATFORM HANDRAIL,LONG**	**8169016**	**9.8**
	**LIFTING HOOK**	**8169025/C**	**1.70**

	**SERVICE BRACKET FOR POKER PILLAR**	**8169077**	**7**
	**MONTANTE DI CHIUSURA LATERALE MENSOLE**	**8169077**	**5.76**

ERECTION OF POKER STANDARD

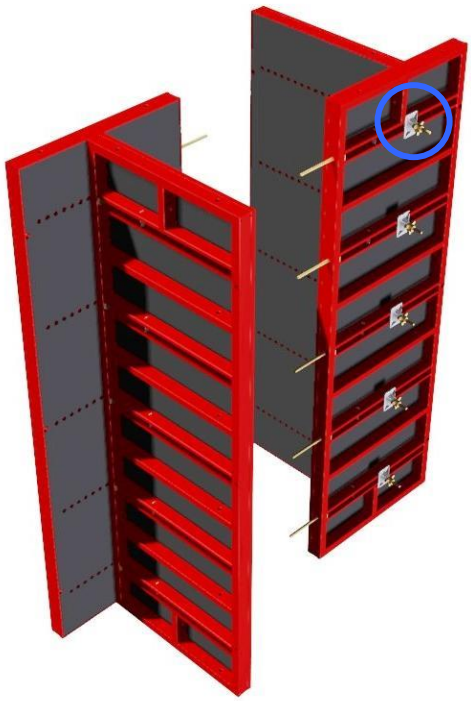
To assemble a Poker pillar follow the steps set out below:

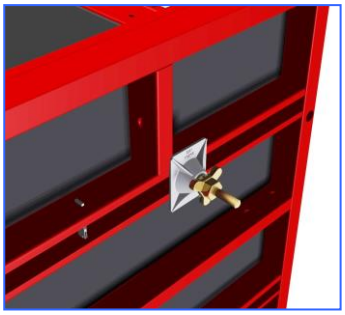
Remove the caps from the adjustment holes at the desired height, which in this case is for a 500x500 mm pillar

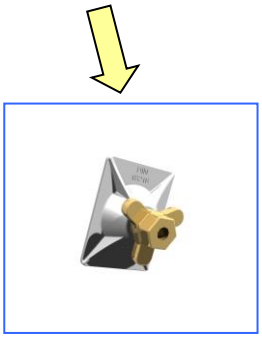


The first hole from the right is for the minimum measurement (200x200) that can be made with a Poker panel. Moving towards the left there is an increase of 50 mm for each hole, until you reach the maximum size for a 850x850 mm pillar.

1. Couple two formworks to form an L shape and secure with the revolving nut plates, and when required, insert the chamfer strip;

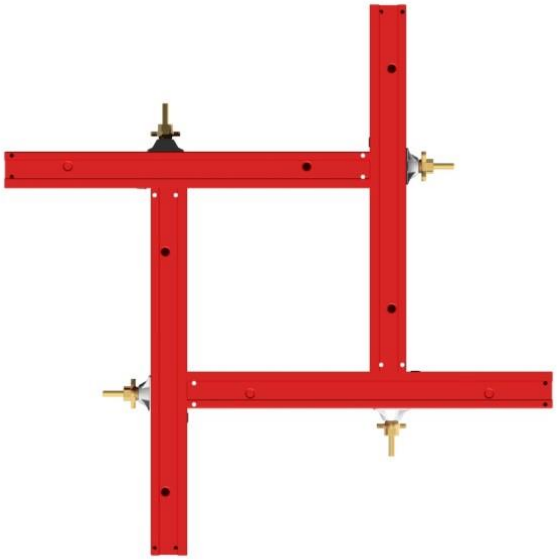




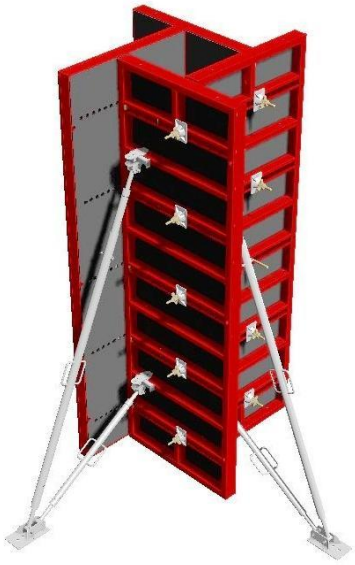


9168017

Couple the two ‘L’ components to form a closed rectangular formwork



Ensure the stability of the formworks using two plumbers placed orthogonally to each other (see picture)

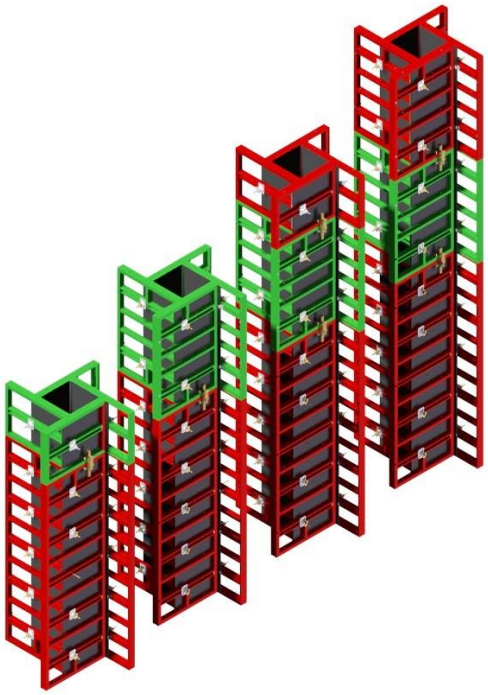


N.B. The plumbers must be anchored to the ground with anchors and bolts.

Make sure that all the accessories have been assembled correctly before executing the concrete pour.

⚠ **The erection must be made in such a way as to obtain a 90° angle between the panels.**

ERECTION POKER FOR HEIGHTS: 3.75-4.50-5.25-6.00

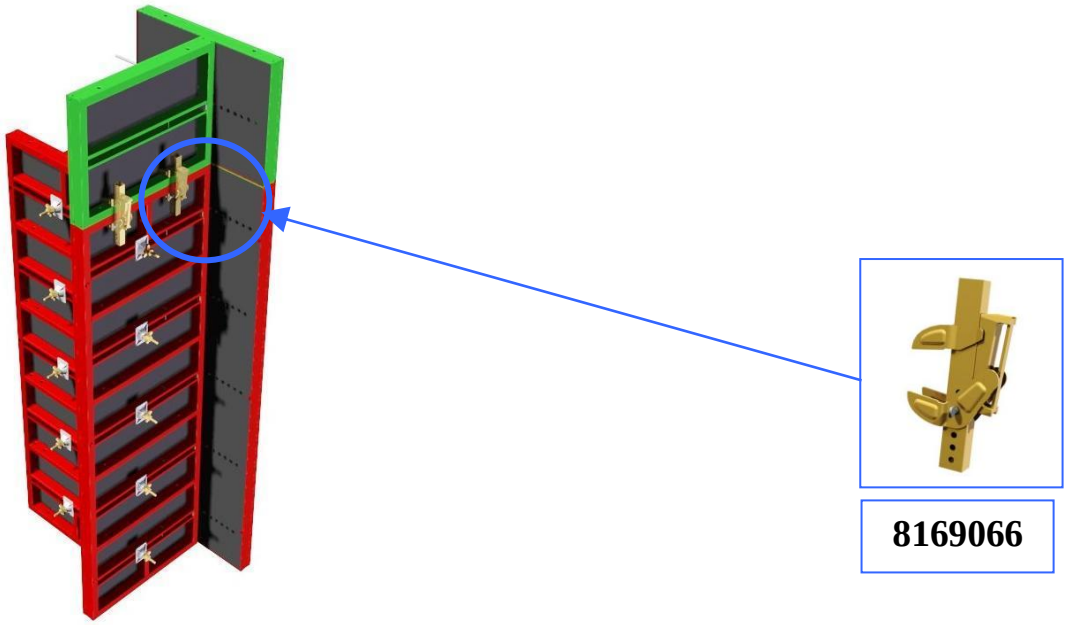


N.B. For heights exceeding 6 m use of Poker 100 is compulsory

To stack the Poker pillar formworks on top of each other proceed as follows:

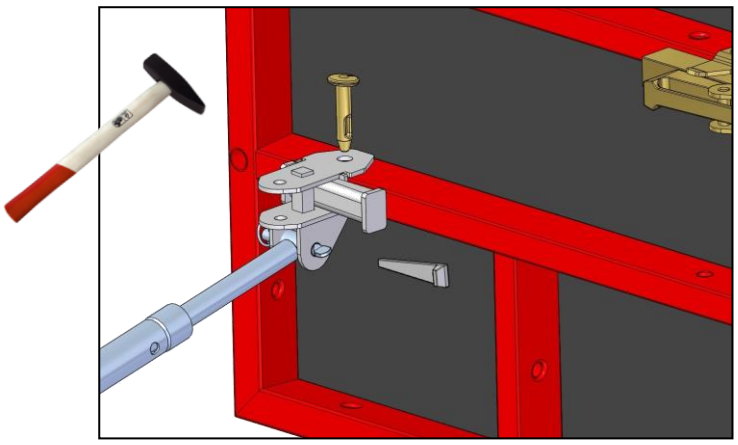
Firstly, erect the formworks to a height of three meters (recommended)

Next add, according to the height you wish to reach, a section of preassembled '**L**' panels and secure them with two aligner clamps per side (code no. 8169066);



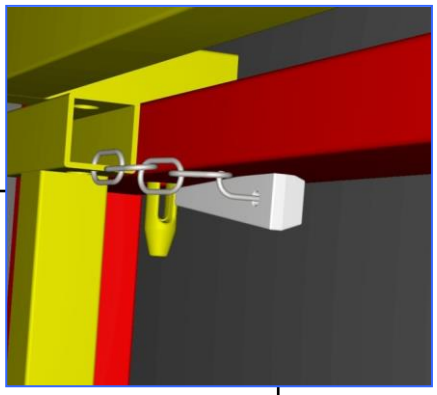
Always ensure the stability of the formwork with two plumbers having the correct dimensions for the specific erection positioned orthogonally to each other.

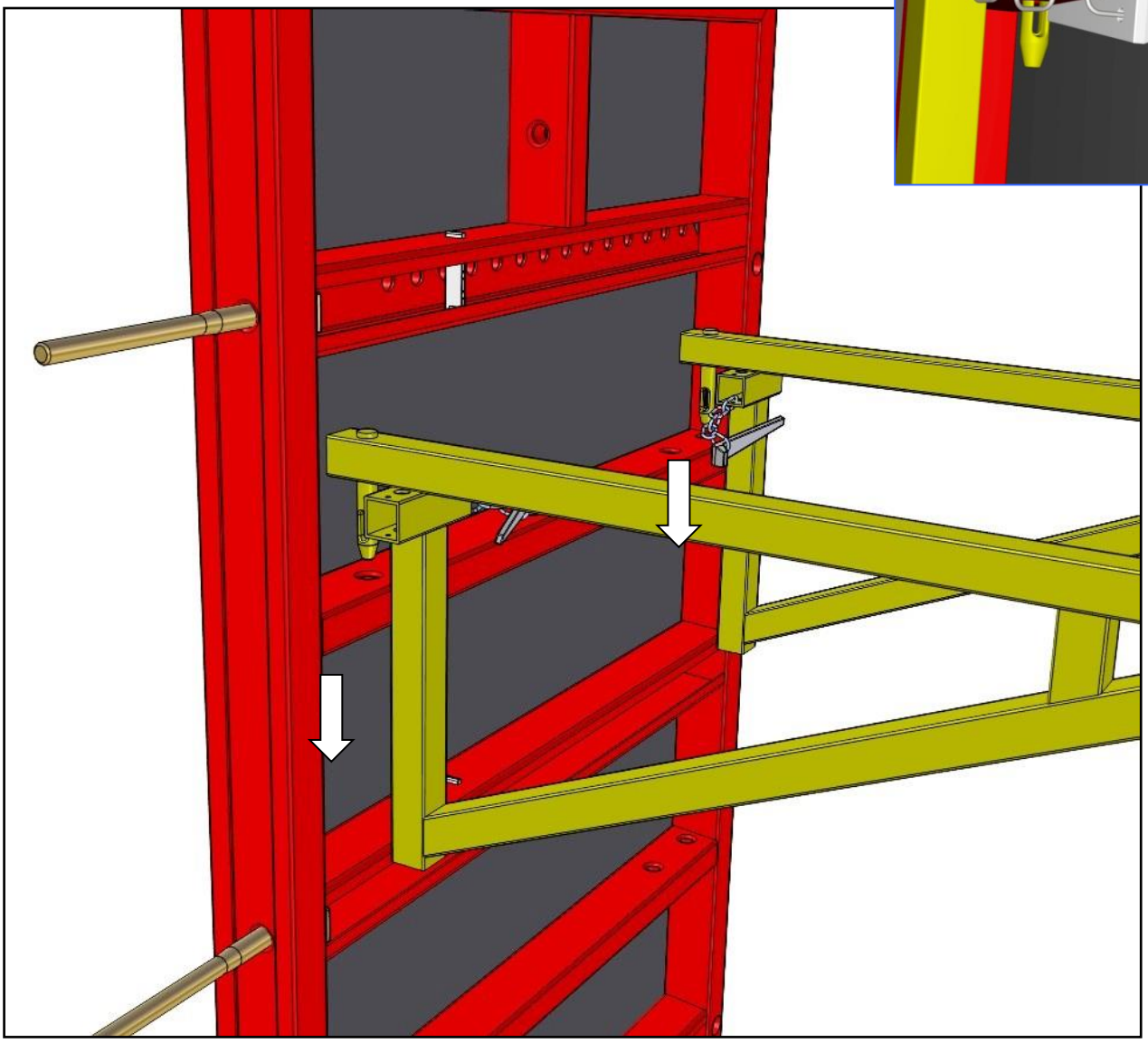
FIX THE PLUMBING ROD BY INSERTING THE SHORT PIN WITH ITS WEDGE IN THE HOLE.



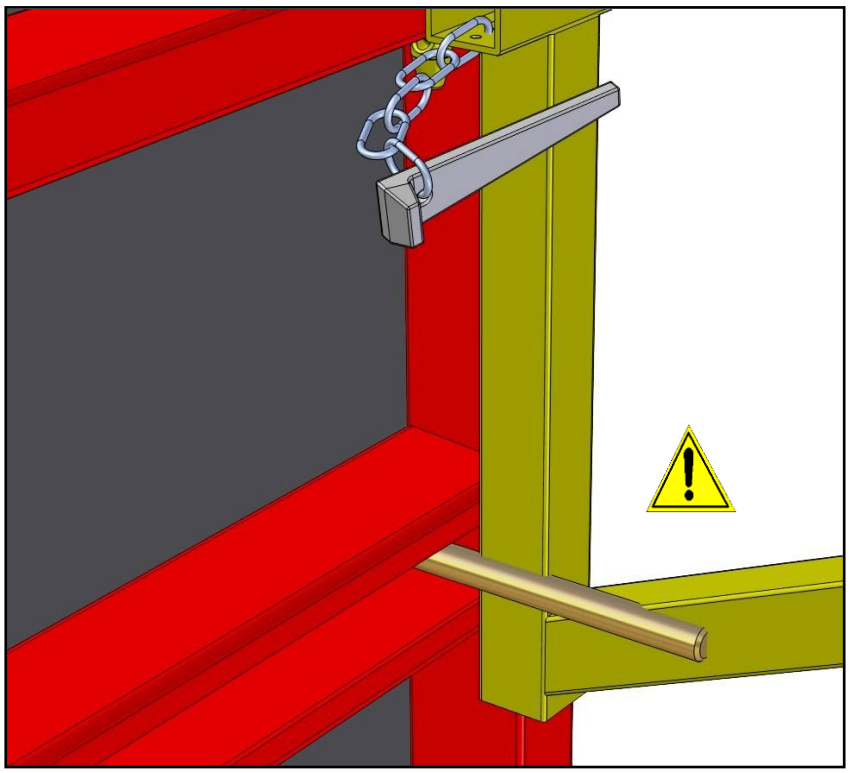
SERVICE BRACKET

To install the bracket on the formwork simply insert the pin provided on the bracket in the panel holes, and lock it into position using the supplied wedge;

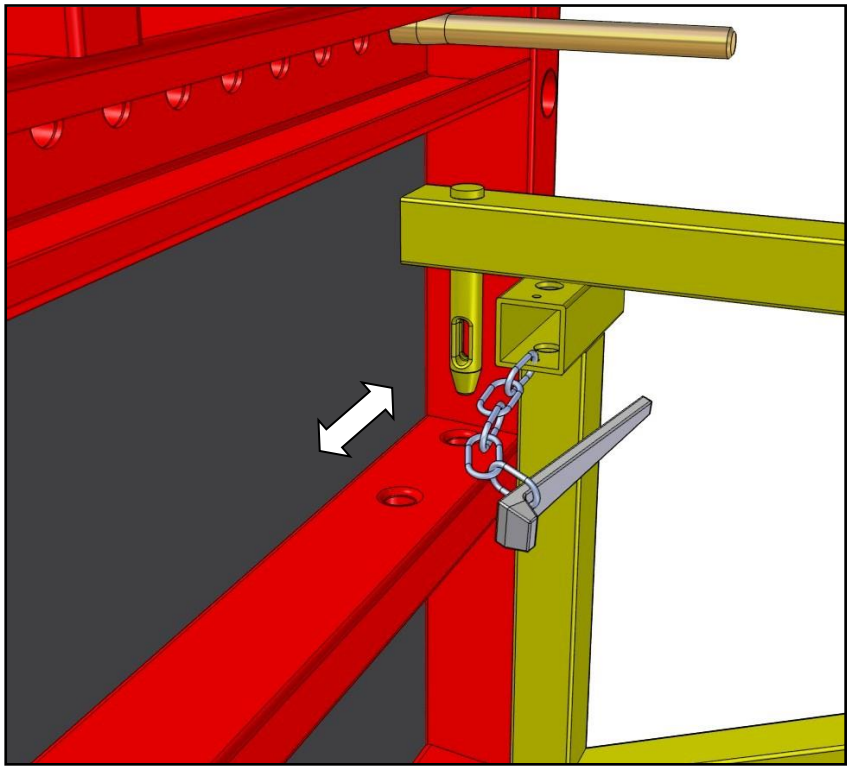




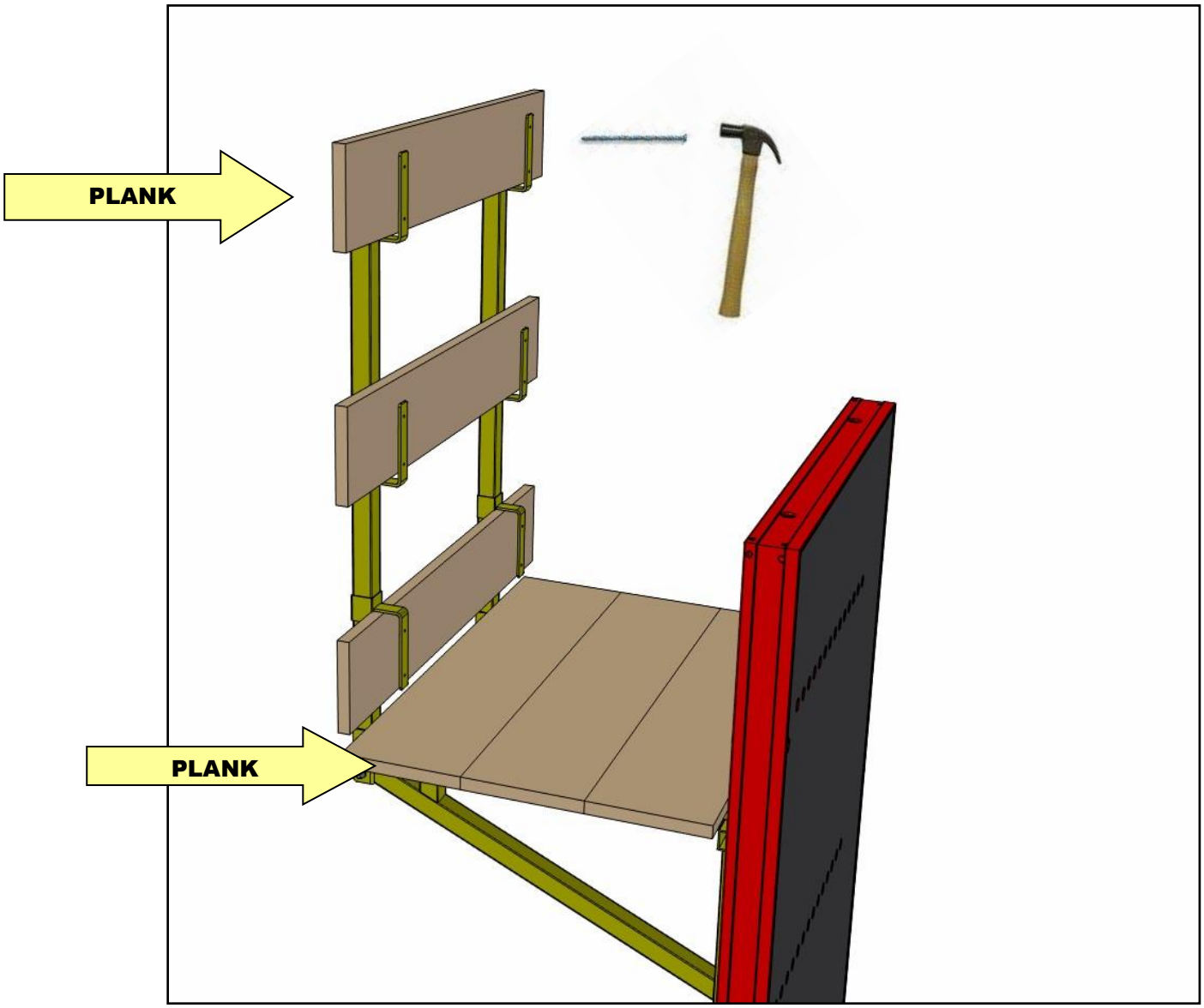
In some cases, the pin could impede the position of the service bracket:



In this case we recommend positioning the bracket on one of the two holes in the panel cross-member to avoid interfering with the pin.

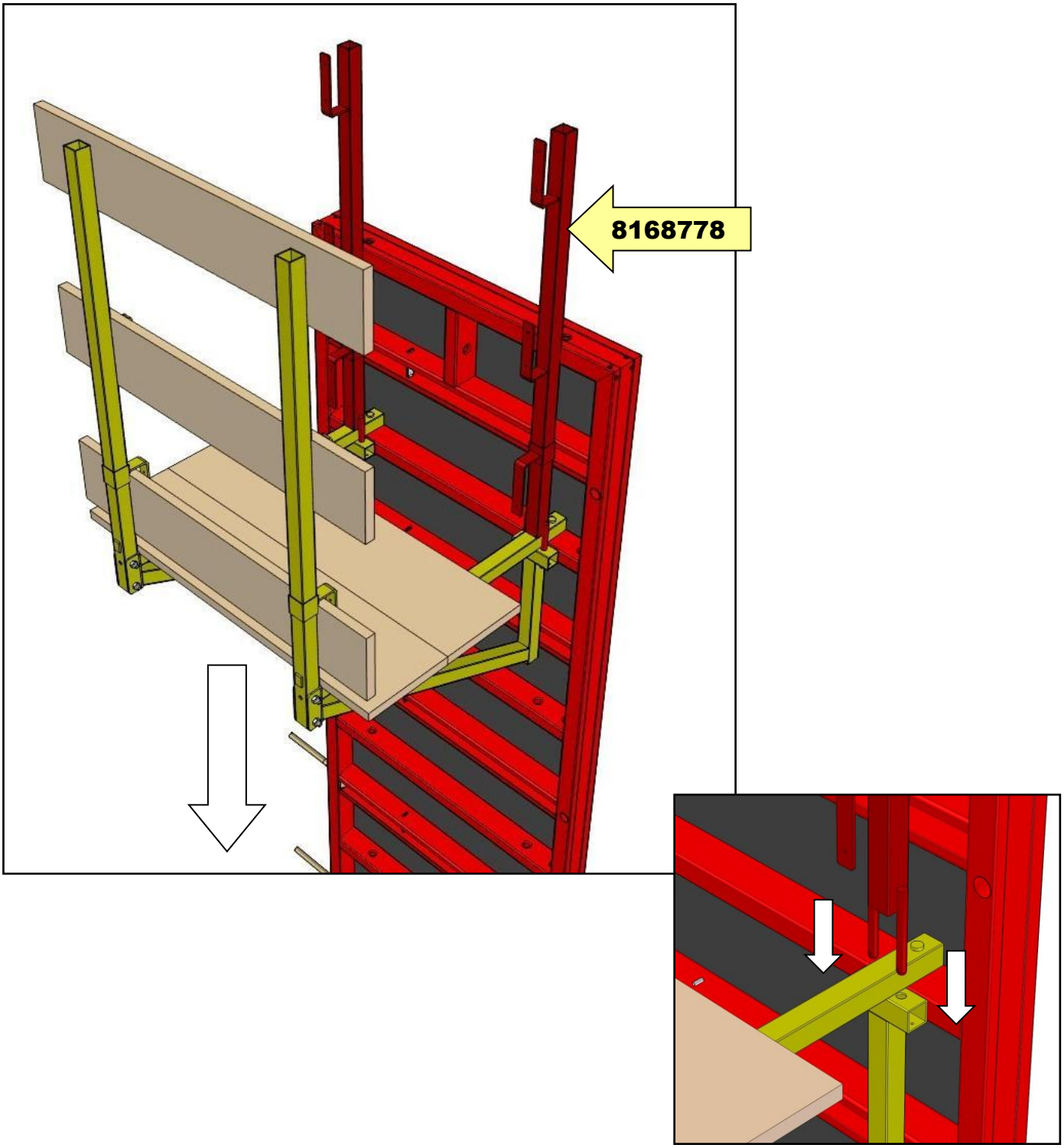


The distance between the service brackets affects the thickness of the wood planks that make up the work platform and in any case never with a reciprocal distance exceeding 2 m.



FASTEN THE PLANKS WITH NAILS

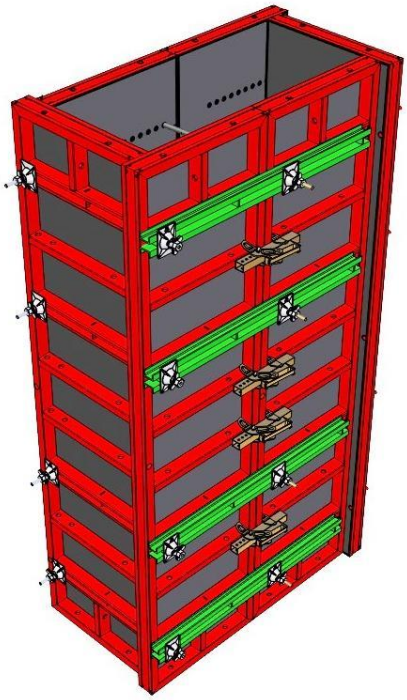
The walkway work platform must be located at least 1.0 m from the edge of the formworks. If this distance is less than 1 m, use the endpost as an internal guardrail to prevent the operator from falling frontwards.



Lock the uprights with the special bolts and add the wood planks.

MOUNTING IN SEQUENCE FOR POKER PANELS 75/100

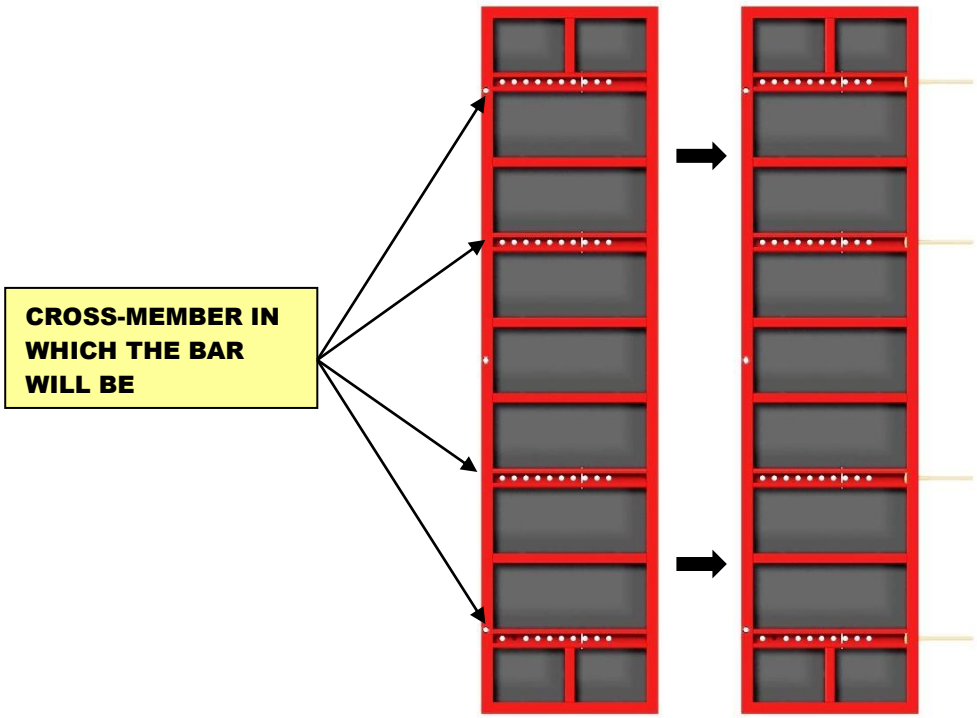
The following mounting instructions apply to both Poker Panels 75 and Poker Panels 100



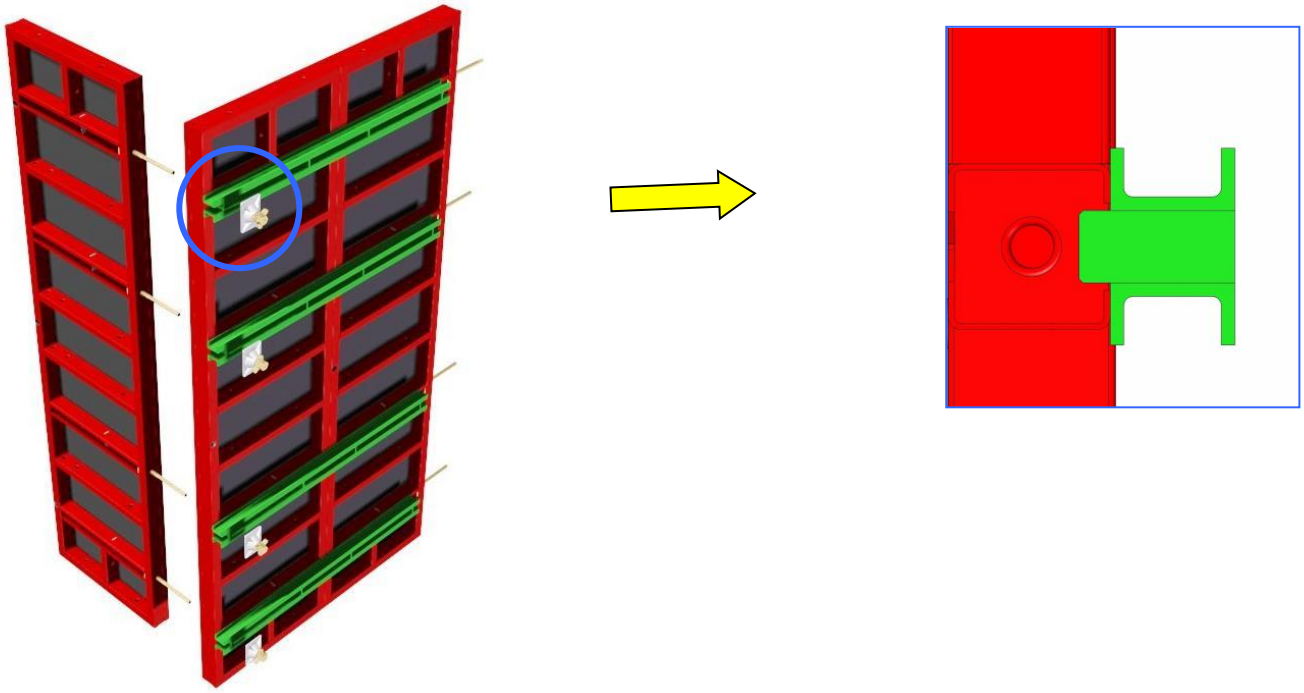
The central stop bar for Poker Panels allows you to position two panels in sequence to cast pillars having measurements exceeding 650mm for the Poker Panels 75, and 900mm for Poker Panels 100.

PRODUCT	DESCRIPTION	CODE	Weight Kg
	CENTRAL BAR STOP POKER 75	8169187	16
	CENTRAL BAR STOP POKER 100	8169186	21

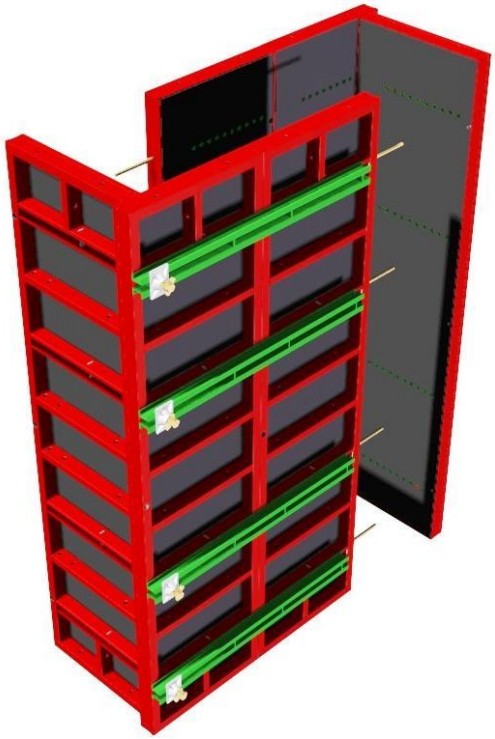
Position two Poker Standard Panels next to each other as illustrated in the picture.



Assemble two formworks to form an ‘L’ shape and position the stop bar in the cross-member and lock together with the nut plates.

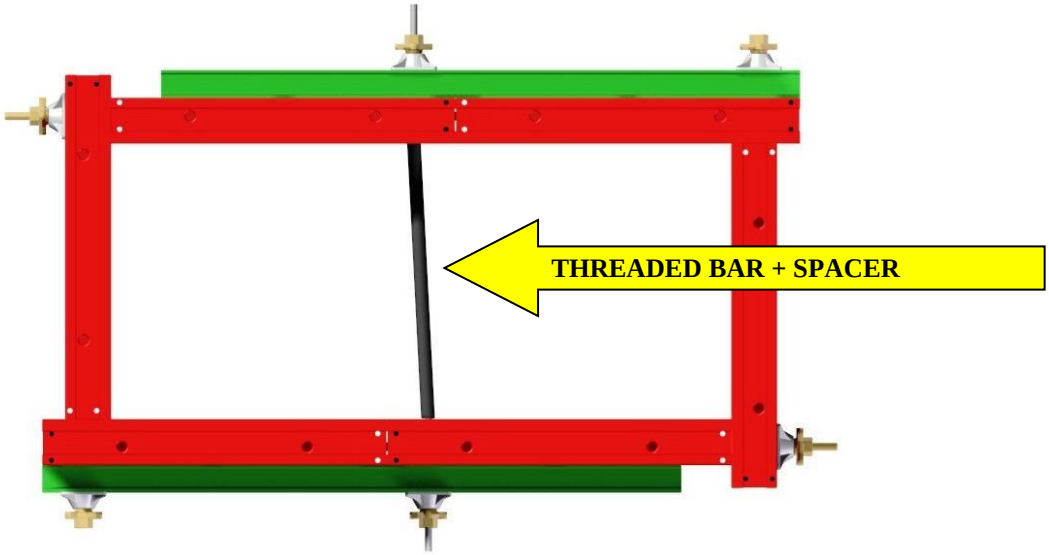


Assembly the previously prepared ‘L’ shaped formworks to form the structure of our pillar.



Insert a threaded bar in the central part of the structure and check that all the revolving nut plates have been tightened.

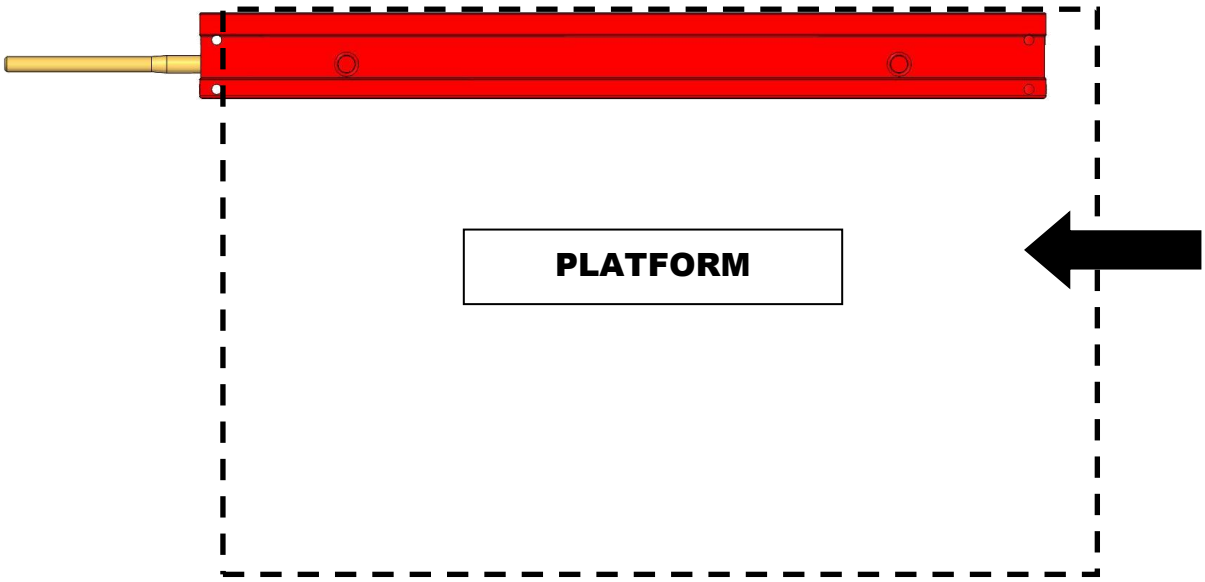
N.B. When inserting the bar we recommend adding an ordinary spacer pipe to facilitate its removal during the stripping stage.

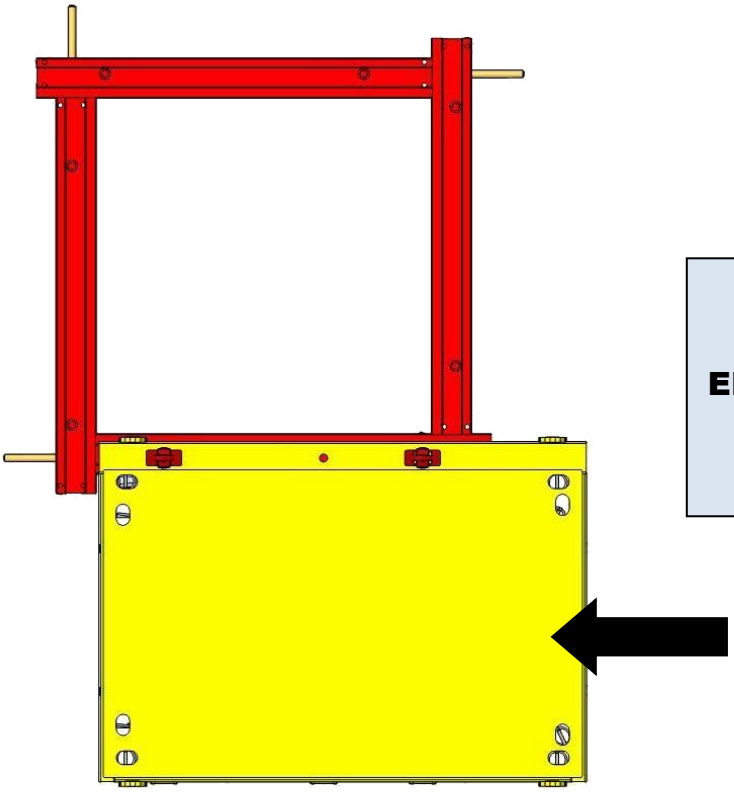


N.B.=Before pouring the concrete insert an ordinary plastic spacer pipe to facilitate the removal of the threaded bar during the stripping stage.

ASSEMBLY OF PLATFORM FOR POKER 75-100

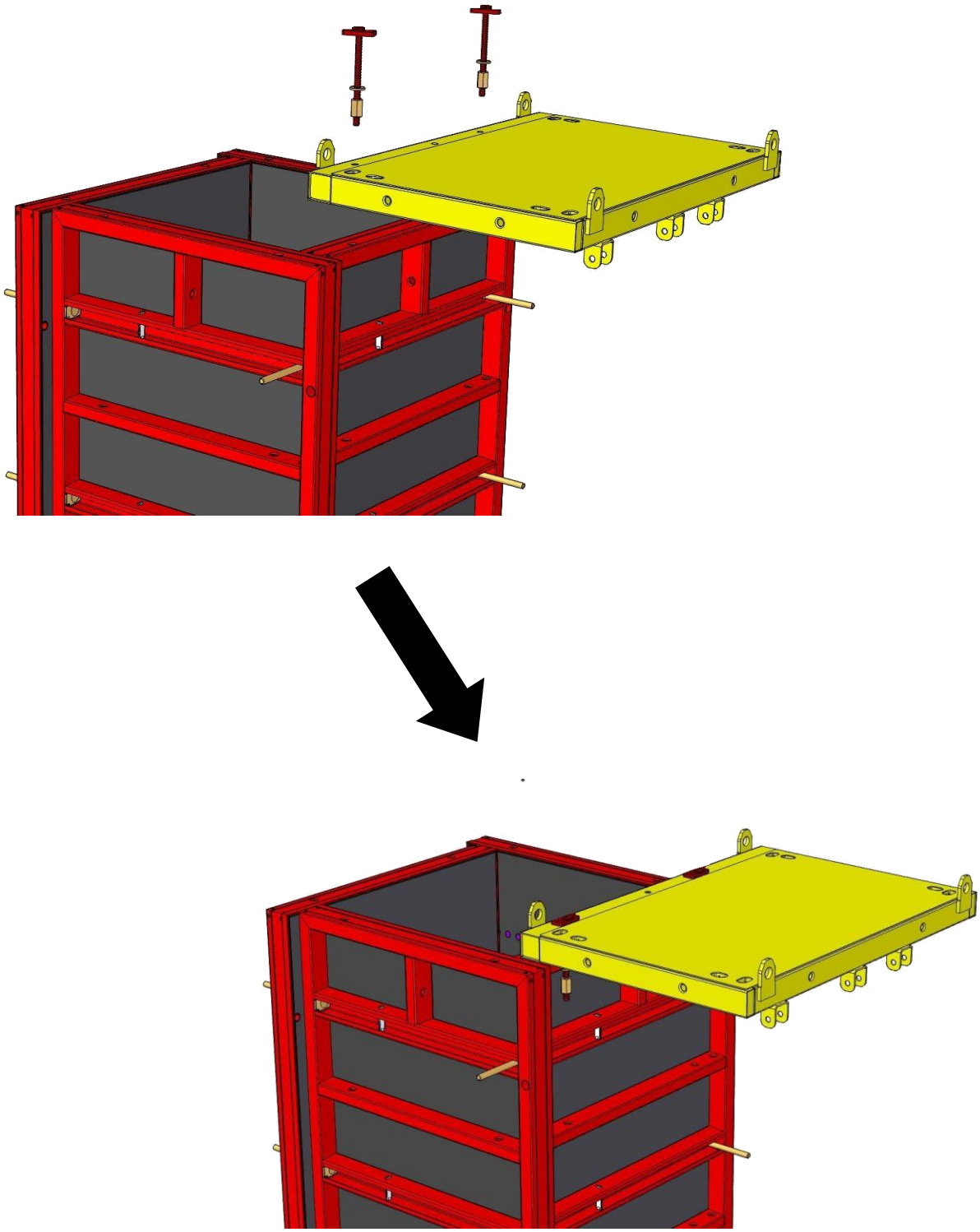
The platform for poker is assembled in the upper part of the Poker panle 75 – 100.



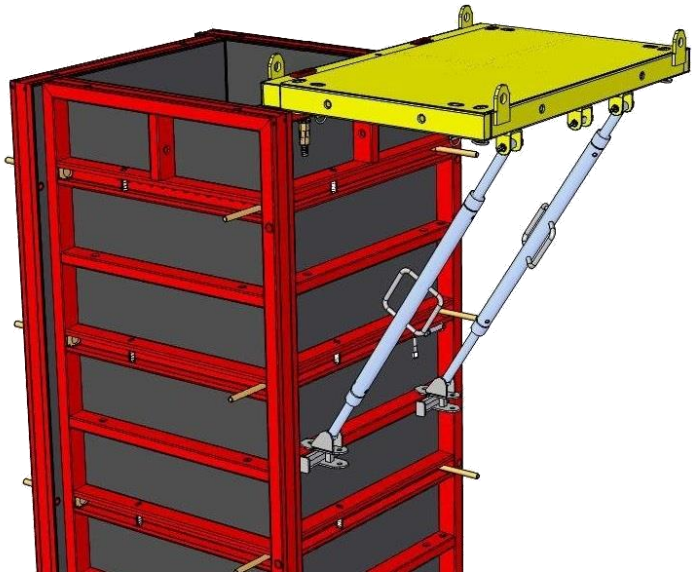


DURING THE ASSEMBY PAY ATTENTION TO PLACE THE ENTRANCE OF THE PLATFORM IN THE OPPOSITE SIDE OF THE TIE RODS.

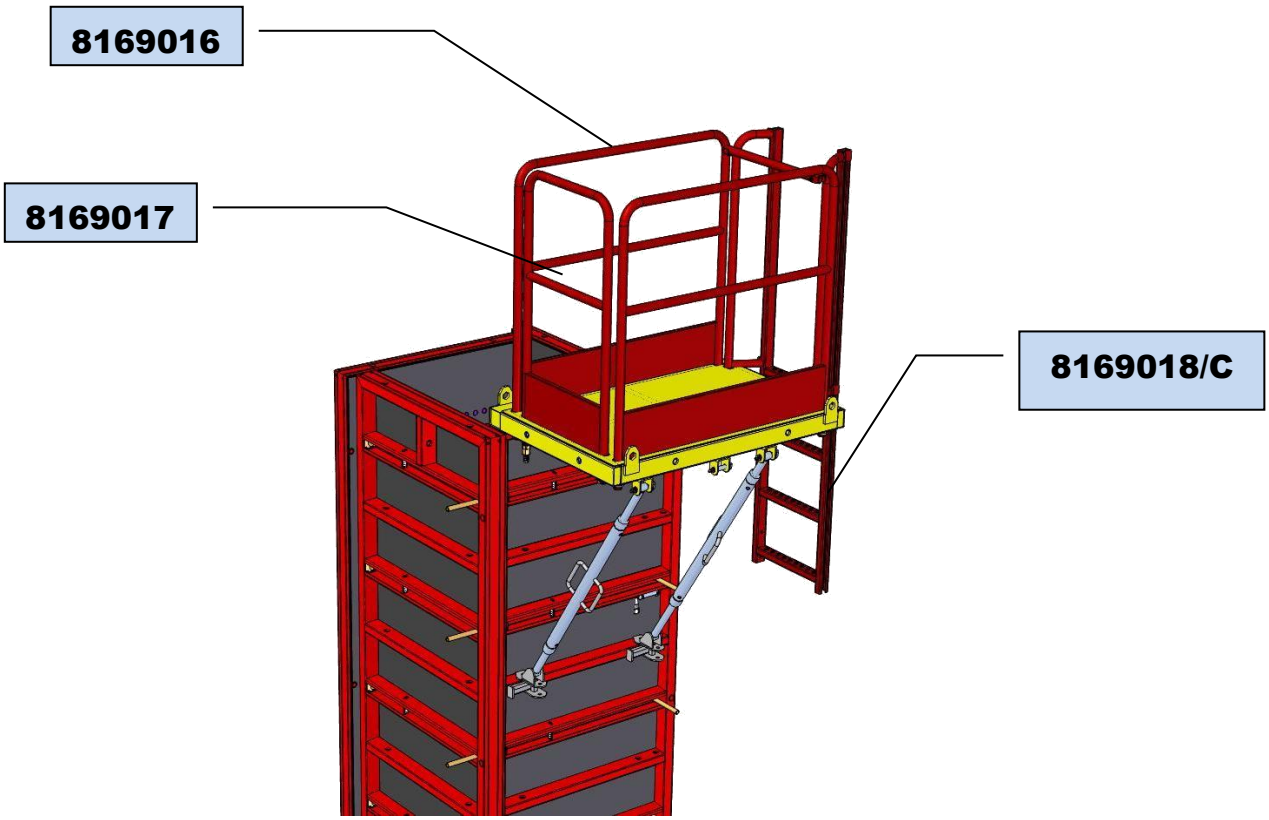
Connect the Platform to the poker 75-100



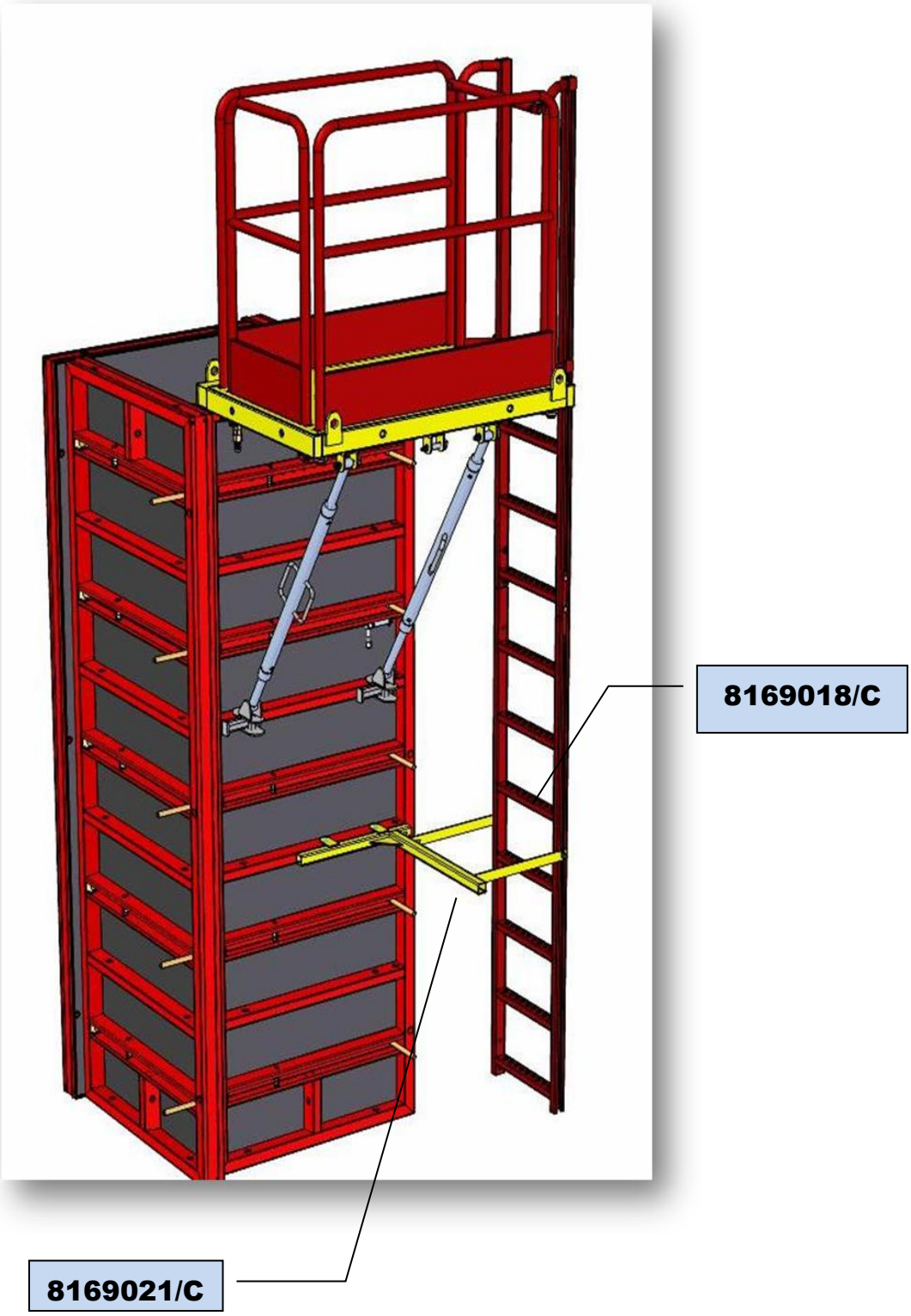
Stabilise the platform using the adjustable struts.



Assembly the parapets and the upper part of the strair.



Assembly of the lower part of the stair and the the supporting stirrup



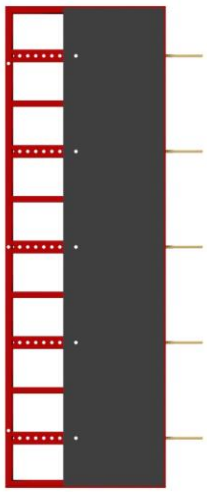
ERECTION OF POKER VIEW

The following example details the material to use for the construction of a pillar having the following measurements: 500x500 mm H 3000.

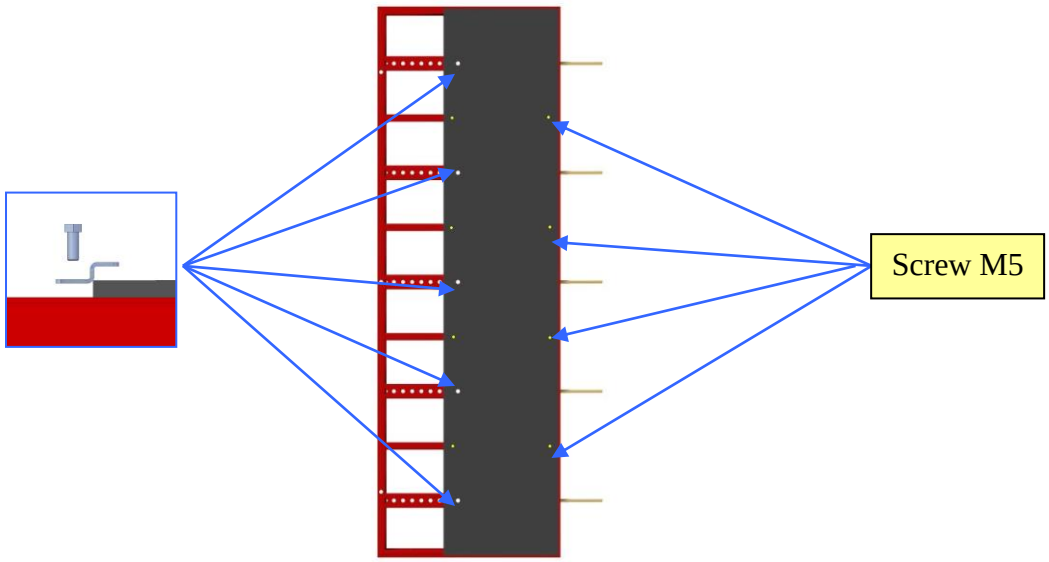
300100TFVP

300100FPW/1/50

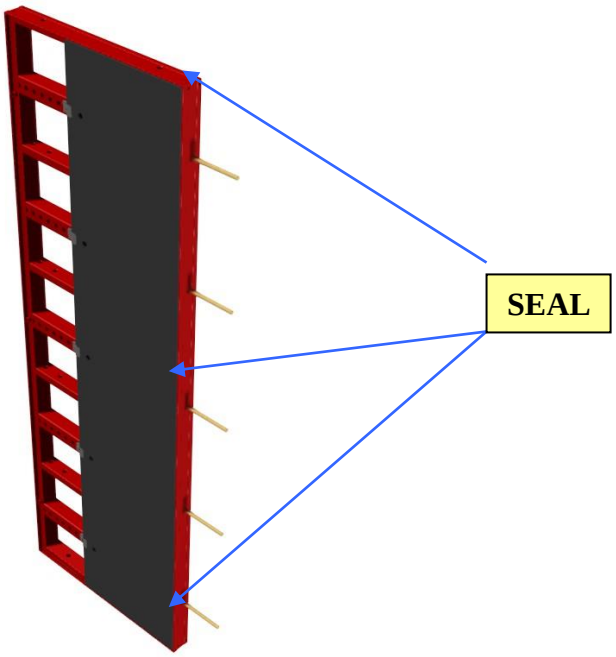
Position the plywood with holes opposite the pins and match them with the holes in the cross-members of the frame.



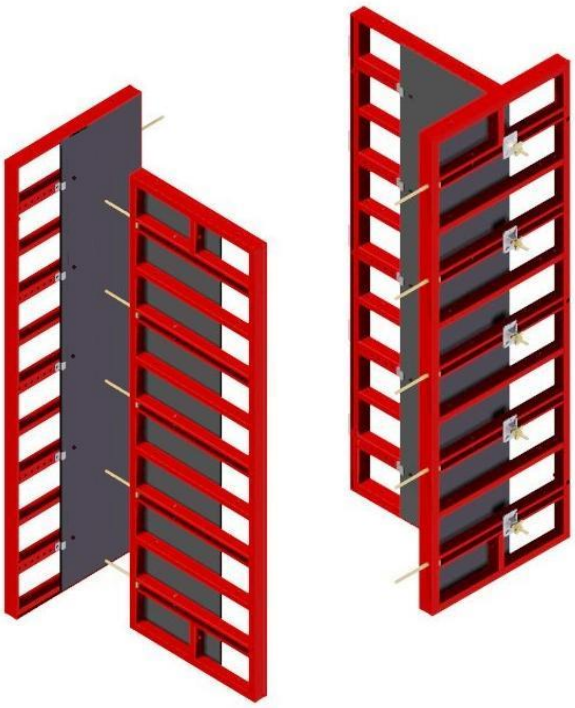
Fasten both sides of the panel with 4 screws M5 then with the corresponding fastening brackets.

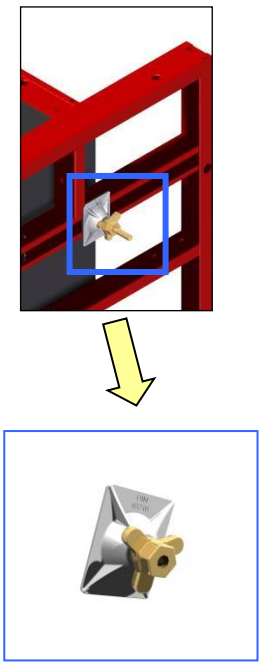


Before proceeding with the erection of the pillar, we recommend filling the gap between the plywood and the frame with silicone (see picture).



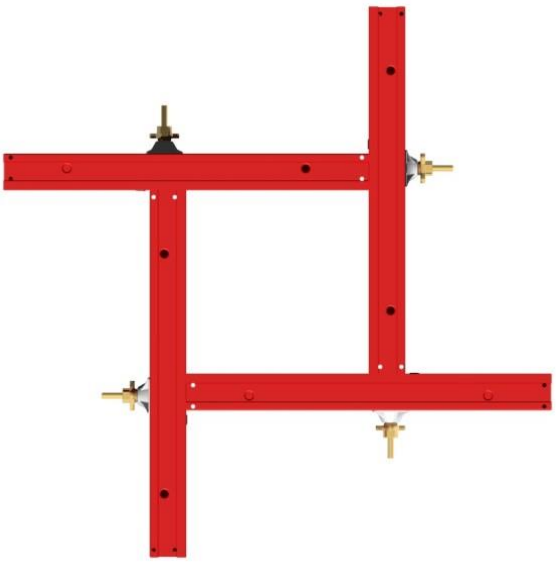
Couple two formworks to form an L shape and secure with the revolving plate nuts , and when required, insert the chamfer strip ;



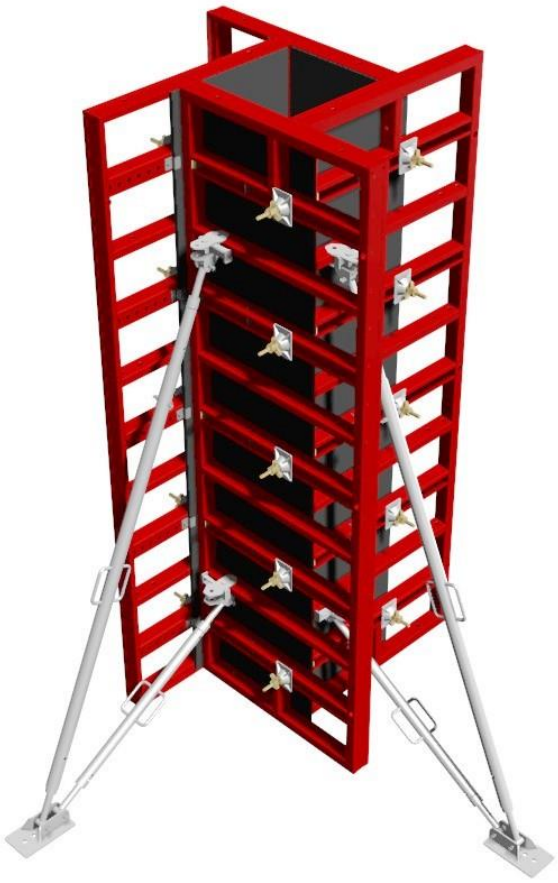


9168017

Couple the two ‘L’ components to form a closed rectangular formwork



Ensure the stability of the formworks using two plumbers placed orthogonally to each other. see picture



N.B. The plumbers must be anchored to the ground with anchors and bolts.

Make sure that all the accessories have been assembled correctly before executing the concrete pour.

⚠ **The erection must be made in such a way as to obtain a 90° angle between the panels.**

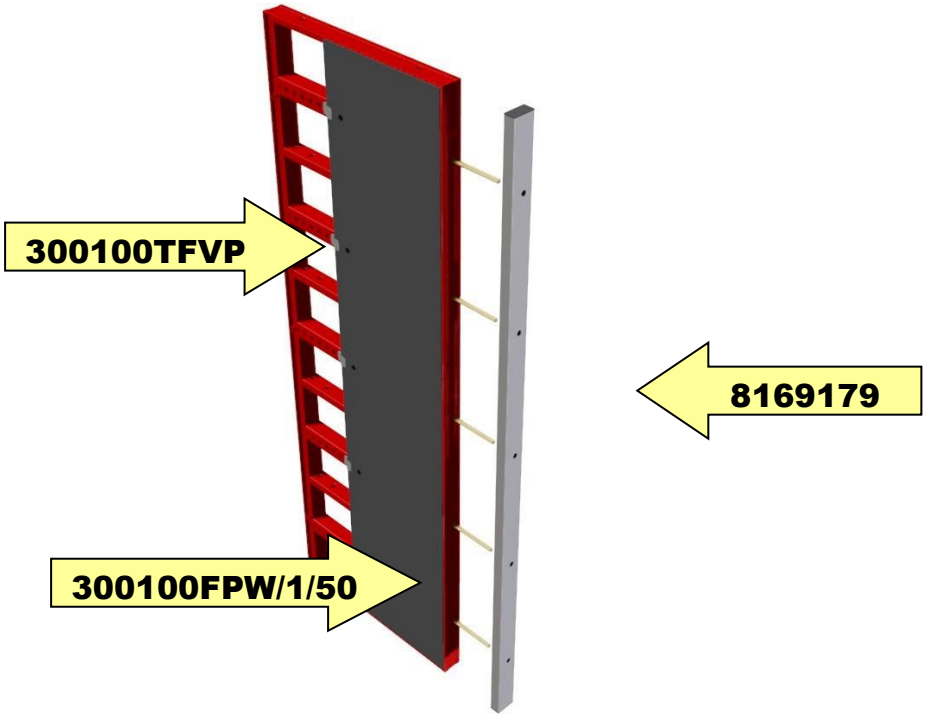
POKER STANDARD AND POKER VIEW FILLERS

PRODUCT	DESCRIPTION	CODE	Weight Kg
	**Filler 50 for Poker 100 H 3000**	**8169179**	**13.6**
	**Filler 50 for Poker 75 H 3000**	**8169180**	**13.6**
	**Filler 50 for Poker 75 H -100**	**8169181**	**6.8**
	**Filler 50 for Poker 75 -100 H 750**	**8169182**	**3.6**

To construct a pillar 900x900 you must use a filler, given that the maximum size that can be made with the standard panels is 850 mm.

This filler is simply a 50 mm pipe that is inserted between the pins as illustrated in the picture.

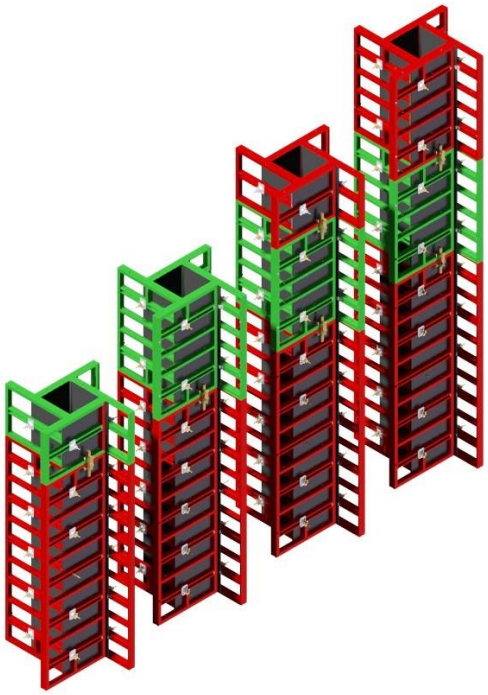
Apply the filler so that it matches with the pins.



Next assembly the Poker Panels as illustrated above.

The application applies to both the Poker standard panels and the Poker View panels

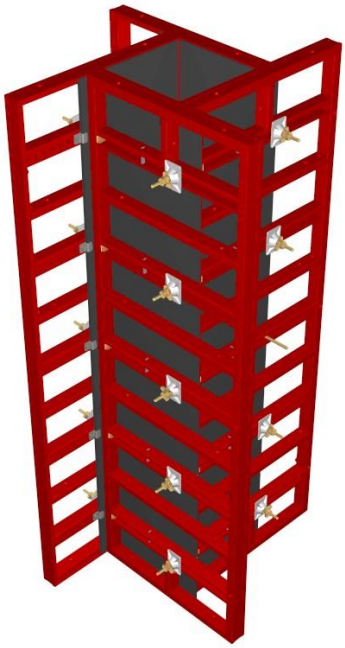
ERECTION OF POKER VIEW PANELS FOR HEIGHTS: 3.75-4.50-5.25-6.00



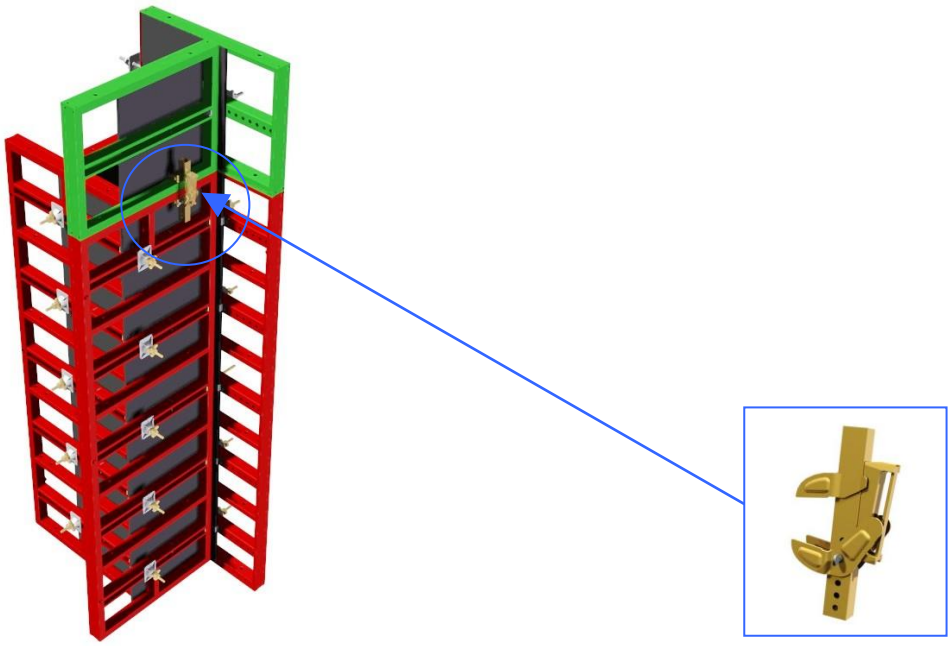
N.B. For heights exceeding 6 m use of Poker 100 is compulsory

To stack the Poker pillar formworks on top of each other proceed as follows:

Firstly, erect the formworks to a height of three meters (recommended)

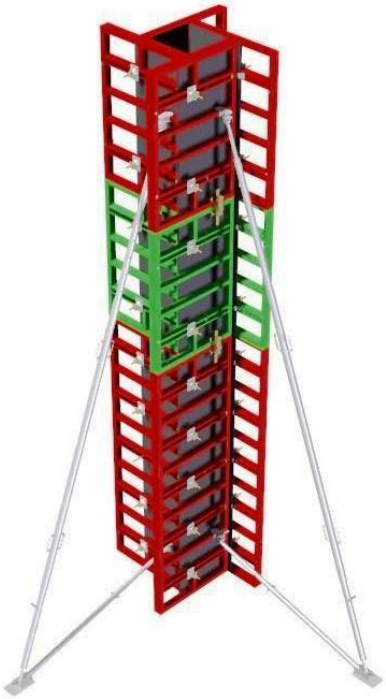


Next add, according to the height you wish to reach, a section of preassembled ‘L’ panels and secure them with two aligner clamps per side (code no. 8169066);



8169066

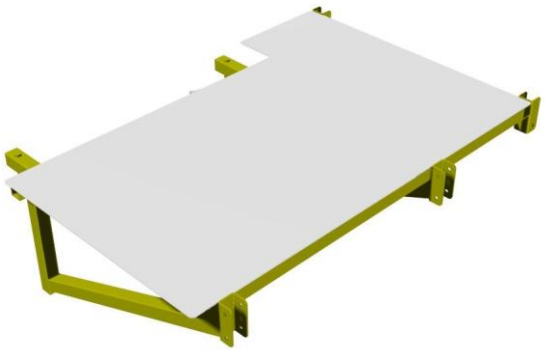
Always ensure the stability of the formwork with two plumbers having the correct dimensions for the specific erection positioned orthogonally to each other;



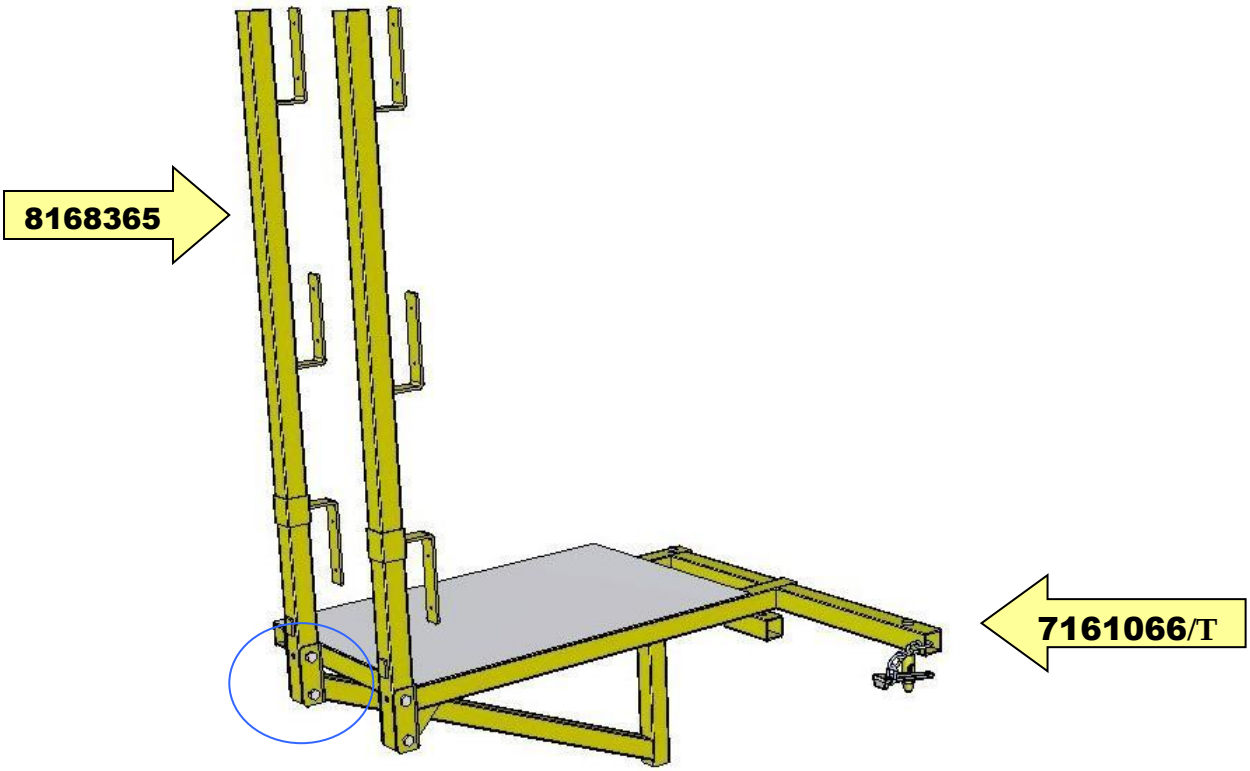
Install the safety platform brackets

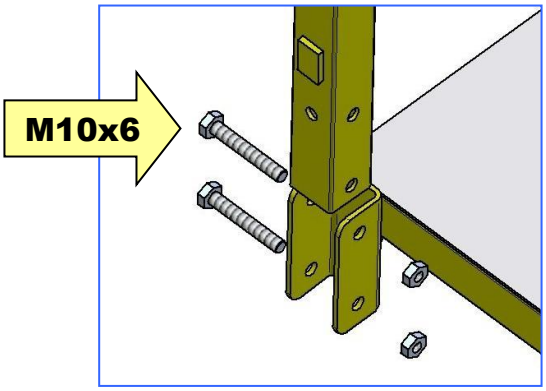
To install the service bracket, proceed as follows

- To install the bracket on the formwork simply insert the pin provided on the bracket and lock it with the supplied wedge;

PRODUCT	DESCRIPTION	CODE	Weight Kg
	**SAFETY PLATFORM POKER 100**	**7161067/T**	**56**
	**SAFETY PLATFORM (ladder) POKER 100**	**7161066/T**	**28.5**
	**End post** **GUARDRAIL**	**8168365**	**5**

Mounting the guardrail





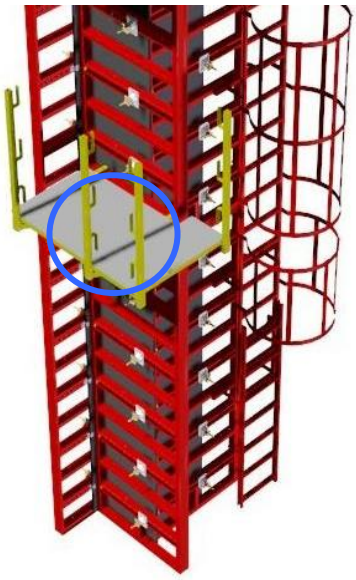
- The distance between the safety platform brackets affects the thickness of the wood planks that make up the work platform and in any case never with a reciprocal distance exceeding 2 m.
- The walkway work platform must be located at least 1.0 m from the edge of the formworks;

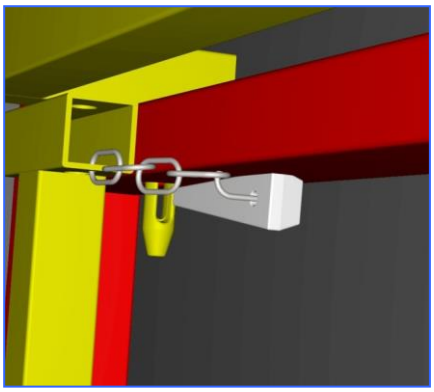
- If it is not possible to install the service bracket at the recommended height, which in any case must always be at least one metre from the edge, then it is compulsory to install an internal railing.

- The work platform **must** have a safety platform, made like the platform above, at a distance not exceeding 2.0 m;

- The ends of the work platform must be fitted with an end post with guardrails and foot guards;

Install the safety platform bracket and lock it with the wedges:





Locking the safety platform

Repeat the previous operation for the safety platform next to the ladder;

N.B. It is the responsibility of the erector to ensure that the wood platforms and guardrails are of suitable sizes

USE OF THE POKER PILLARS

Before pouring the concrete make sure that all the elements have been assembled as described above and observe the times according to the characteristics of the formworks for executing the pour.

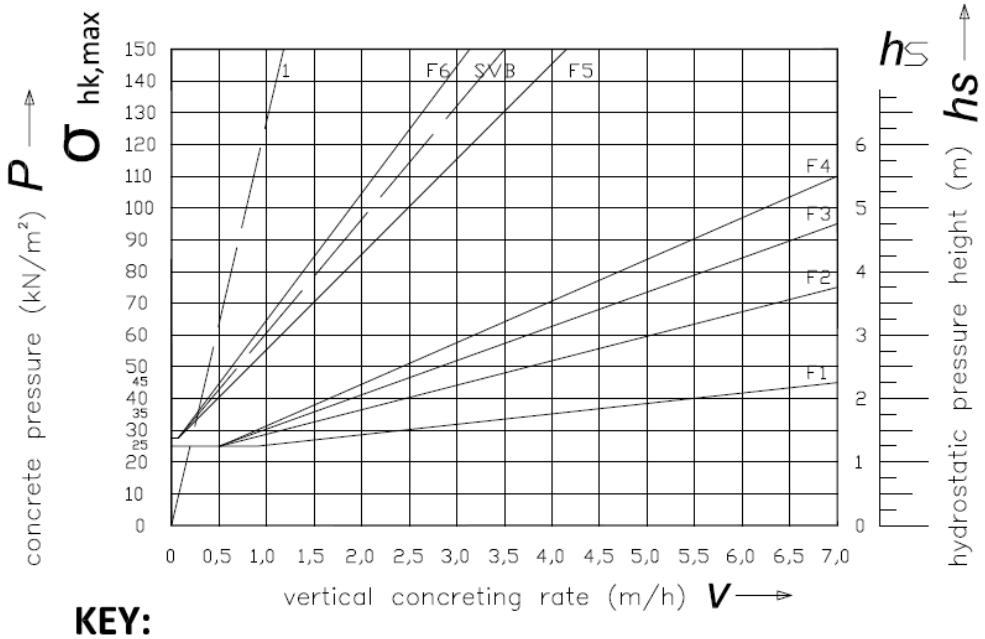
POUR SPEED

⚠ The permissible operating pressure for the concrete pour is **80 kN/m²** for Poker 75 (max. height for use is 6.00m) and **100 kN/m²** for Poker 100 (Poker 100 VIEW has the same characteristics as Poker 100).

The pour speed must be adjusted, in relation to the environmental pour conditions, to limit the pressure in order to ensure that the above limit is not exceeded.

The pressure of the fresh concrete, in relation to its consistency and pour speed, can be determined in accordance with DIN 18218:2010-01 from the following chart.

DIAGRAMS TO DETERMINE THE MAXIMUM VALUE OF LATERAL FRESH CONCRETE PRESSURE
Pressure based on DIN18218:2010-01



KEY:

1= hydrostatic up to te
SVB= german abbreviation for SCC
t_e = 5h
y_c = 25 kN/m³
maximum value of fresh concrete pressure σhk, max in kN/m²
placing rate *v* in m/h
hydrostatic pressure head *hs* in m

⚠ **In the most severe case, that is if using self-compacting concrete (SCC), it is MANDATORY to keep in mind that the pressure exerted on the walls depends solely on the pour height as it has a hydrostatic distribution (triangular).**

MAINTENANCE

INSTRUCTIONS FOR INSPECTIONS

⚠ ONLY MATERIALS WITHOUT DEFECTS MAY BE USED ON THE WORK SITE.

Al the elements of the formworks and accessories must undergo regular inspections during the entire period of utilization. The two type of controls are: controls at each cycle of use and regular checks.

Controls at each cycle of use :

Before each erection of the Poker formworks check that:

• all the elements are intact, without signs of damage caused by impact, folding, abrasions, corrosion, etc

• that the locking pins are not bent

• that all the unused holes are plugged with the special plug code no.8169034

The controls at each cycle of use must be carried out by the SITE MANAGER, or by a person in charge having adequate competence, before each use of the elements.

The controls carried out at each cycle of use, together with the inspection of all the erected elements, must be recorded in the "site log book", describing the positive outcome of the inspection before the devices were used.

Regular checks:

At least once a year controls must be carried out to ensure :

• that the elements are not damaged or deformed due to impact, abrasion, corrosion, over-demanding work conditions, etc....

• the elements include all the appropriate type and number of accessories, etc, for a correct use of the panels for the POKER pillars.

• the corrosion resistant protection is adequate to guarantee long life of the elements;

• the connections are effective and operational.

The regular checks must be carried out by the OWNER, or by a person in charge having adequate competence, and the result of the inspection recorded and attached to the documents accompanying the products.

IF HIRED MATERIALS ARE DELIVERED DAMAGED OR WITH DEFECTS Faresin Formwork S.p.A. MUST BE INFORMED IMMEDIATELY (BY FAX OR TELEPHONE) AND/OR THE MATERIALS RETURNED.

IF NEW MATERIALS ARE DELIVERED DAMAGED OR WITH DEFECTS Faresin Formwork S.p.A. MUST BE INFORMED IMMEDIATELY (BY FAX OR TELEPHONE) AND/OR THE MATERIALS RETURNED

INSPECTION PROCEDURES

The inspection includes at least one visual control of all the elements and an operational control. The controls can be extended at the discretion of the inspector and in fact, they must be, whenever there is any evidence of a possible problem.
As a minimum the controls must include:

Visual control:

- presence of all parts required for correct erection, including all the connecting hardware: bolts, pins, nails, etc...;
- deformation, abrasions, skewing, torsions or presence of other defects;
- wear (particularly of threaded elements) and corrosion;
- measuring of the elements;
- presence of cracks on welding or elements;

Operation control:

- efficiency of the locking pins connection devices;
- smooth movement of the moving parts (joints, connections, etc...).

The inspection results must be recorded in the log book, including the following details: date, place, type and number of elements controlled, any deformities found, elements disposed of, name and qualifications of the inspector.

GENERAL SAFETY GUIDELINES

⚠ -The bearing surface must guarantee both resistance and indeformability to prevent any displacement of the bracing-
The erection must be carried out in an orderly manner with all the elements necessary for the correct erection of the propping (main elements, anchors, bracing, etc...).

⚠ Do not erect the structure in adverse weather conditions. When erecting the structure, you must always erect complete configurations that are stable in windy conditions before leaving the construction site.
-When an erection diagram is provided it must be scrupulously adhered to.
- When the structure has been completely erected, a careful control must be made to ensure that all the elements required to guarantee propping stability before and after the concrete pour have in fact been installed.
It is understood from the information given below that all the equipment used in the works must comply with current regulations.

⚠ Remove all the elements or accessories that are obviously defective (damaged, folded, with cracks, etc...) from the construction site in order to prevent them from being used.

USE OF PERSONAL PROTECTIVE EQUIPMENT (PPE)

-***In order to guarantee a suitable level of safety during the use of the products it is important for users to note that collective protection devices always predominate over personal protective devices.***

-The personal protective equipment (PPE) must be considered supplementary devices, not substitutes, of the provisional works and work guidelines and instructions.

Wear protective gloves, safety footwear, suitable work clothes, a safety hat and suitable safety devices to protect users against falling from a height during all the phases involving handling, erection and use of the climbing brackets.

Handling, erection and dismantling of the propping involve risks of impact with and blows from heavy, blunt bodies; these operations must be carried out by personnel wearing suitable personal protective equipment such as gloves, safety hat and footwear.

To protect users against falling from a height, use suitable safety belts hooked at points that will guarantee a good hold, in all the work phases carried out in elevated positions and in particular during the erection and dismantling of the brackets.

-During the concrete pour wear suitable equipment, safety footwear, eye and hand protection, and any other equipment included in the safety guidelines.

⚠For use of all the elements composing the propping adhere strictly to the specific instructions contained in this manual.

Specific regulations concerning safety standards exist for all elements produced by Faresin Formwork S.p.A. designed for use in construction sites.

-***For any information not directly recalled in this manual refer to the most recent safety standards in force in the specific country of use.***

STANDARD REFERENCES

As regards anything not specifically mentioned in this manual, refer to the most recent safety standards in effect in each country.

Deutsche Norm DIN 18202: 2013-04
“TOLERANZEN IN HOCHBAU – BAUWERKE” (TOLERANCES IN BUILDING CONSTRUCTION)

Deutsche Norm DIN 18218: 2010-01
“PRESSURE OF FRESH CONCRETE ON VERTICAL FORMWORK”

Euro Codice 3 (UNI_ENV 1993-1-1) ed. 1994
“Eurocode 3 - Design of steel structures - General rules and rules for buildings.”

UNI_ENV 1995-1-1
“Eurocode 5 - Design of steel structures. Part 1-1: General rules and rules for buildings.”

EN 338
“Structural Timber – Strength classes.”

PrEN 13374
"Temporary edge protection systems - Product specification, test methods"

PrEN 12811-1
"Temporary works equipment -Part 1 : Scaffolds - Performance requirements and general design"

D.M. 16.01.1996
“Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi"

Circ.M.LL.PP. 04.07.1996
“Istruzioni per l'applicazione delle norme tecniche relative ai criteri generali”

The main Italian standards regarding safety in construction sites are the following:

Ministry of Infrastructure and Transport - D.M. 14-01-2008
“Nuove norme tecniche per le costruzioni”

Italian Presidential Decree 164/56
“STANDARDS FOR THE PREVENTION OF ACCIDENTS IN THE WORKPLACE IN BUILDINGS"

Italian Decree law 494/96 – 528/99
“IMPLEMENTATION OF DIRECTIVE 92/57/EEC REGARDING THE MINIMUM SAFETY AND HEALTH REQUIREMENTS ON TEMPORARY OR MOBILE CONSTRUCTION SITES"

Italian Decree Law 626/94
“IMPLEMENTATION OF DIRECTIVES 89/391/EEC, 89/654/EEC, 89/655/EEC, 89/656/EEC, 90/269/EEC, 90/394/EEC REGARDING THE IMPROVEMENT OF HEALTH AND SAFETY OF WORKERS IN THE WORKPLACE” and subsequent integrations and modifications.

Italian Decree Law 8 July 2003, n. 235
“IMPLEMENTATION OF DIRECTIVE 2001/45/EC REGARDING THE MINIMUM HEALTH AND SAFETY REQUIREMENTS FOR THE USE OF WORK EQUIPMENT BY WORKERS”

Italian Decree Law 81/08
“UNIC TEXT FOR SAFETY AND HEALTH”

These standards include general indications and regulations, which must also be applied when using FARESIN FORMWORK products.
This manual integrates the standards and regulations that must be applied autonomously.

⚠ **We would like to point out that pursuant to Italian Presidential Decree 164/56, temporary reinforcements for large-scale works must be carried out on the basis of a plan drawn up by an engineer or architect and which must include the relative stability calculations. Before installing reinforcements or ribs it is also compulsory to ensure that the ground or structures they will stand on are strong enough to support them to prevent any yielding.**

⚠ **Faresin Formwork disclaims all responsibility to things or people due to an improper use of the supplied products and due to any kind of different use of them from what indicated inside this manual.**

April 2018

FARESIN FORMWORK

TOGETHER WE BUILD THE WORLD

GET IN TOUCH

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