

# S-Max

## Panel Formwork System

The Ultimate Panel Formwork System for All Construction Site Needs



# Your Formwork Partner

**Disclaimer:**

While every effort has been made to ensure the accuracy of the information in this catalogue, we cannot accept responsibility for any errors which may occur as a result of reliance on the contents of this catalogue and are not liable for any loss of any nature that may be incurred as a result of such reliance. Details of any of the products may change without prior notice.

The customer must ensure that 'good practice' is adopted on site by competent persons and that the products shown in this catalogue are erected, used and stripped in accordance with the relevant Codes of Practice, international standards and the local authorities regulations. This catalogue does not contain any design detail but lists and depicts the items available under this product range. The responsibility for design is the responsibility of the customer. Please, contact Scaffco's engineer for any technical inquiries.

ش خت عيلى .س ظ ما ين م طاحت و، ت جنيتم عله عيني يلى . ما و خلاج . لى فمقومات ما ين جو و و ن ته لاطر صظ مد سحت و ط و و صخ تج عيني يلى . نيق لى ي ما ين جو و ص فنع و ه لاطر خ خيلج ت خ سد و ط صخ تج عيني يلى . خ شمر هيق لى حص ل ا خي و ت خ سجت تين شرنك . ط اقوتة فغراً

س جو نيق و نين خ لى ظ و خ سجت عفت جيق لى صحت لاي تشحت فضظات و ط جت لى عه عيني يلى . لى ين بر س جو نيق و نين خ لى ظ لى شرت ع شرت قضا ك نيق لاي و خ لى جت فزو يمه رما يروت ه حت خما ع نيق و ، تج خرن لاي حيت خن جتحت و ت لى عه ت لى شرت جيق ظ ين حط جيق و لى نيب ص خو ، جيق لى ن تج ت ص ، ع عيني يلى . صخ و و شرنك . خض لني خ ل بينما لصر ما تجت ه حث قما . خ ل ع ون شرماع و و ت ه حت خت شح ام ت ع س و ت خ سجت نيق عت خ ل تيم ظ لى فمقوما ين صل يمو و ت ه فرفقت جهر خض ت خ سجت لى عه عيني يلى .

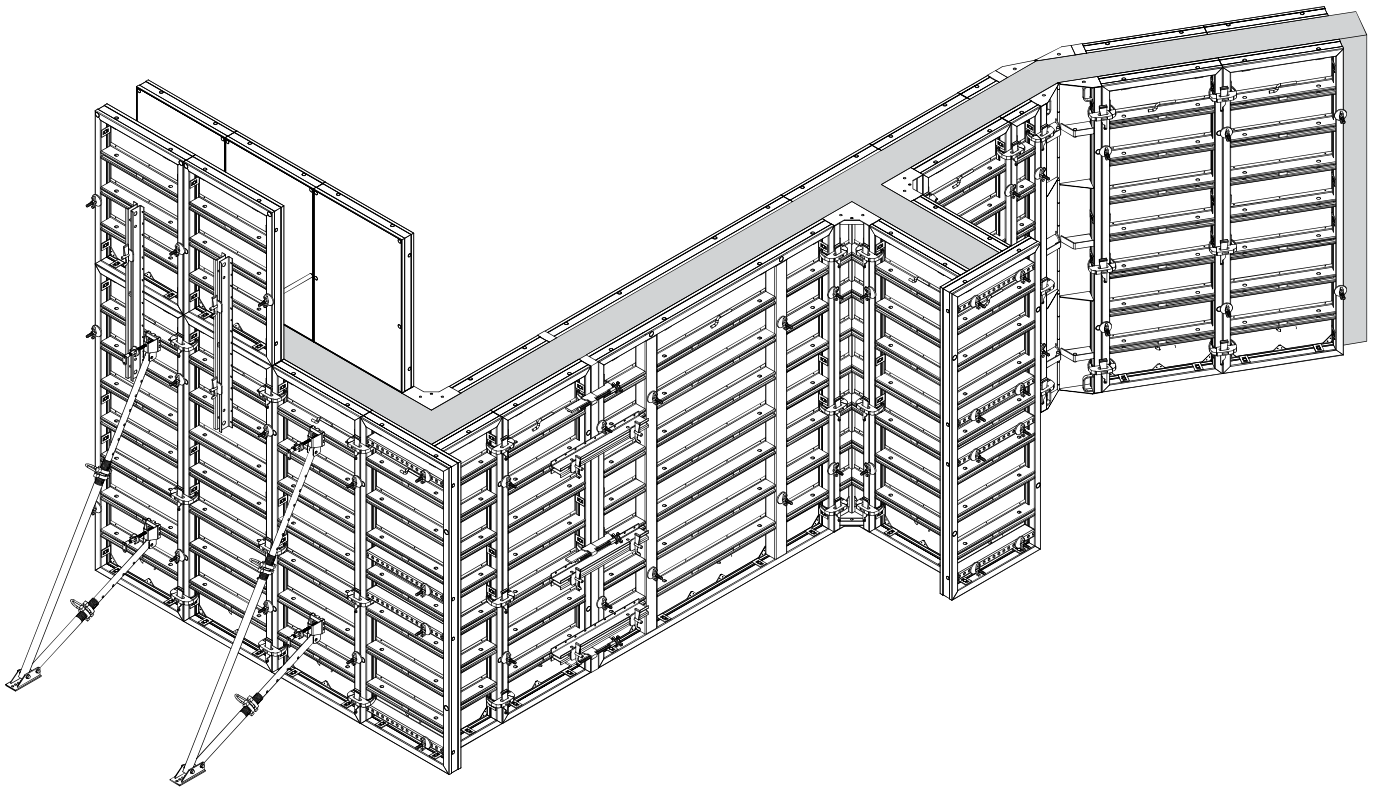
## The Ultimate Panel Formwork System for All Construction Site Needs

S-Max panel formwork is the complete solution that perfectly caters to your requirements on any construction site. With its exceptional safety features and practical working accessories, it offers a swift and cost-effective solution for formwork projects, particularly those involving large areas.

The innovative panel-size grid, featuring five different widths and three different heights of panels, including an extra-large option, ensures unparalleled adaptability to suit all construction-site situations. Whether you're working on expansive walls, columns, circular formwork, or foundations, S-Max is the ideal choice.



Max. Concrete  
Pressure  
80 kN/m<sup>2</sup>

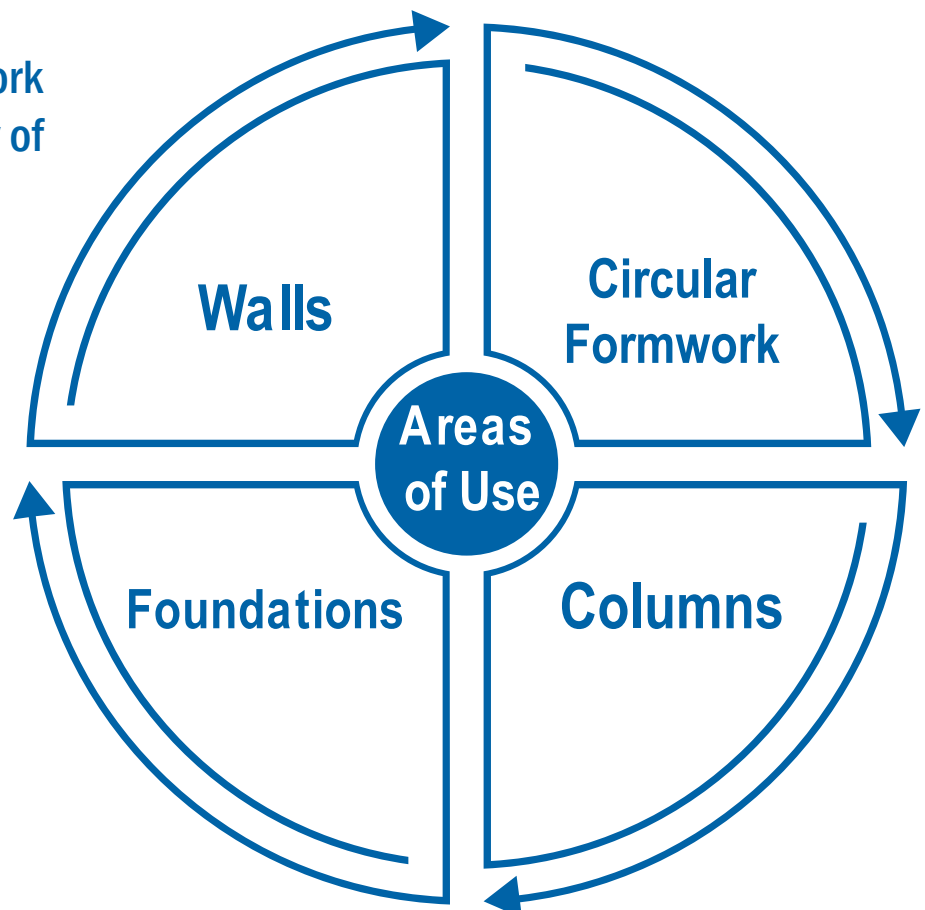


S-Max panel formwork is comprehensive system equipped with excellent safety features and workplace accessories. This system provides everything you need to efficiently and swiftly tackle your forming tasks. By employing a minimal variety of panel sizes, the system achieves a consistent 15cm increment grid. The connecting devices and accessories are specifically designed to align with this grid, ensuring seamless integration. The quality plywood sheets are built to endure intensive re-use, consistently delivering exceptional concrete results.

## The high-performance formwork designed for forming a variety of vertical concrete elements

The versatility of S-Max panel formwork makes it an ideal choice for various applications, including large-area walls, columns, circular formwork, and foundations. With a range of practical accessories, the system streamlines on-site work, eliminating the need for expensive improvisations. Furthermore, S-Max panel formwork seamlessly integrates with the S-Max Aluminium framed formwork. Both systems utilize interchangeable linking parts and accessories, providing utmost compatibility.

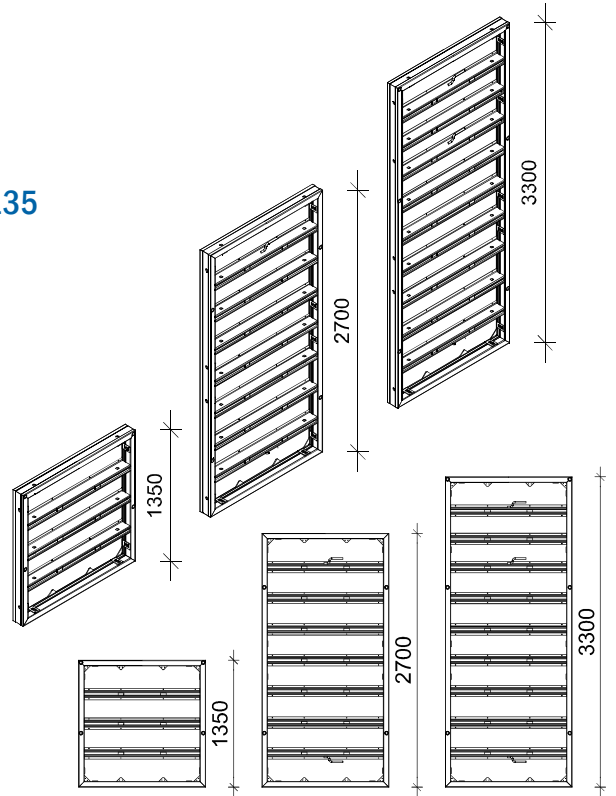
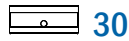
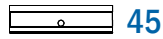
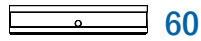
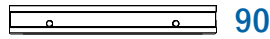
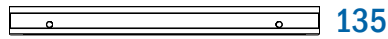
With the steel version of the system, you can efficiently form extensive areas using crane-shifted gangs. Subsequently, you can seamlessly transition to forming manually with aluminium frames, without the need to wait for the crane.



## The logical system grid

### S-Max Standard panels: Panel widths and heights

The combination of heights and widths in the S-Max panels creates a practical and beneficial grid system, enhancing the formwork's adaptability and cost effectiveness. You only require 5 different widths and 3 varying heights of panels, including 2 extra-large panels, to effectively accommodate any architectural layout. Adjustments in height and width can be easily achieved through 15cm increments, adding to the convenience of the system.



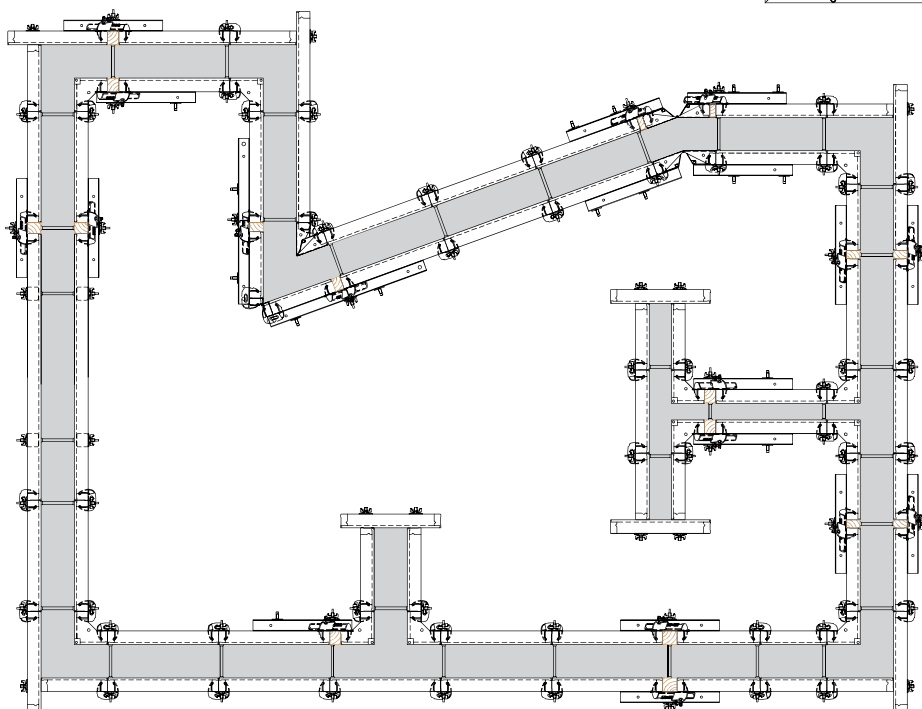
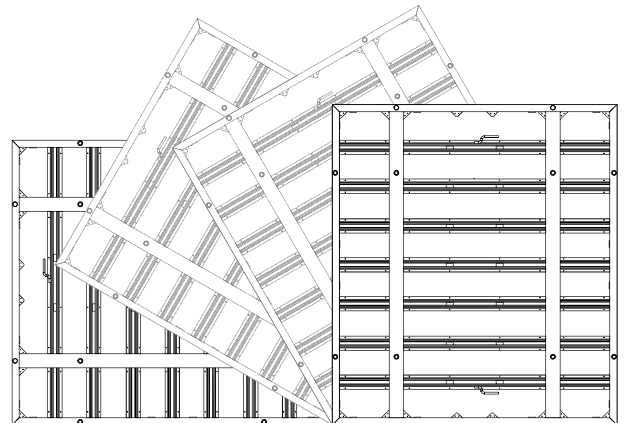
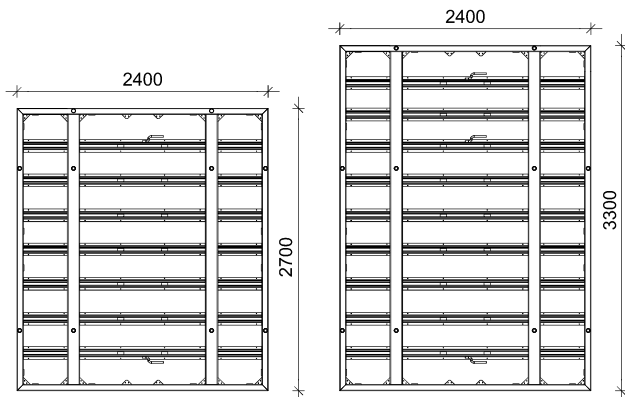
### S-Max Large Area panels: Panel widths and heights (cm)

S-Max large panel for large-area formwork units.

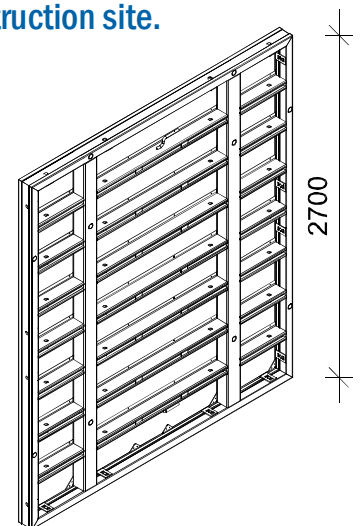
Integrates two heights and two widths :

When upright - height 2.70m, width 2.40m & height 3.30m, width 2.40m

When on side - height 2.40m, width 2.70m & height 2.40m, width 3.30m

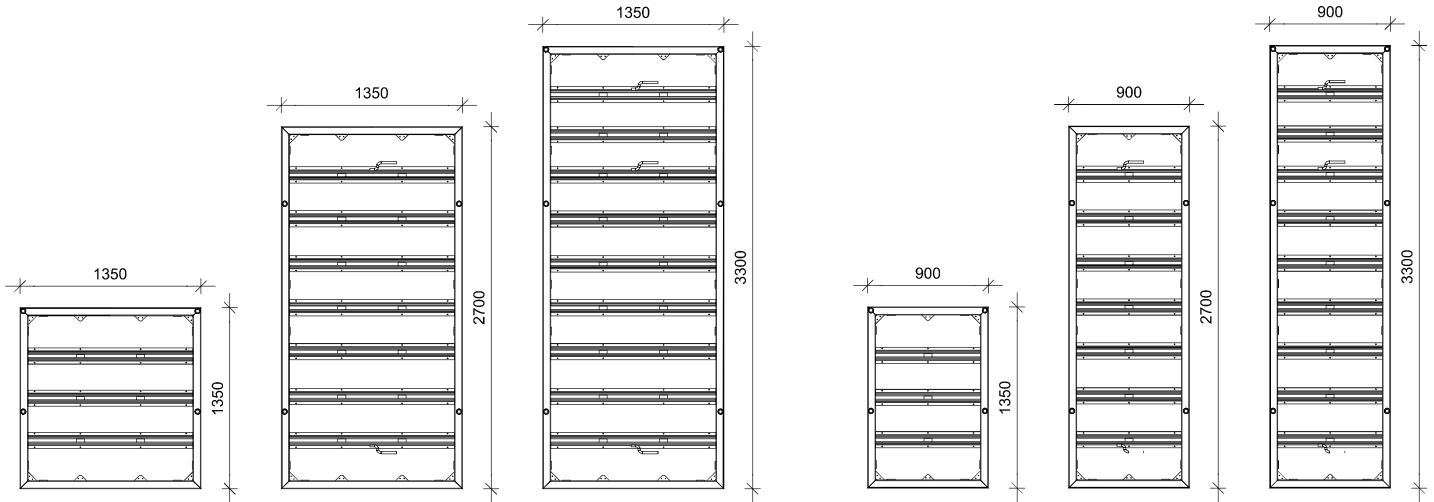


A variety of panel dimensions, coupled with a full range of accessories, ensure versatile usage on construction site.



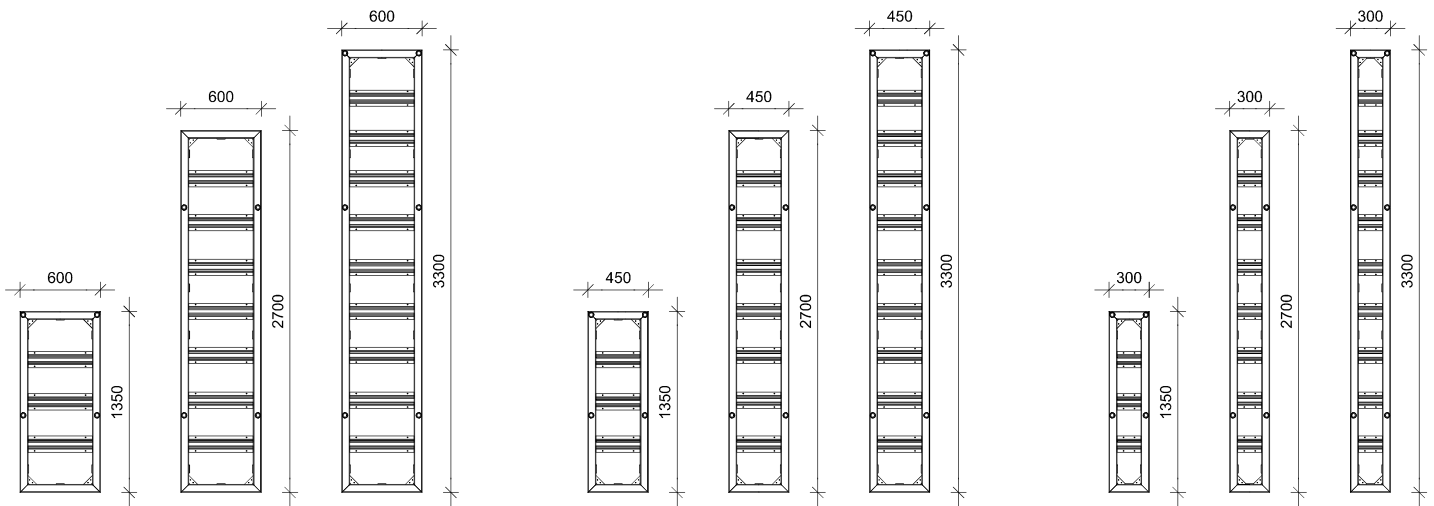
## S-Max Panel Families

To meet the specific demands of construction sites, we can tailor and customize panel sizes as needed. This flexibility ensures that any required panel size can be manufactured to address the unique requirements of construction projects. Whether larger or smaller panels are necessary, our production capabilities are adaptable to provide the ideal solutions for construction site specifications.



**1350mm Family**

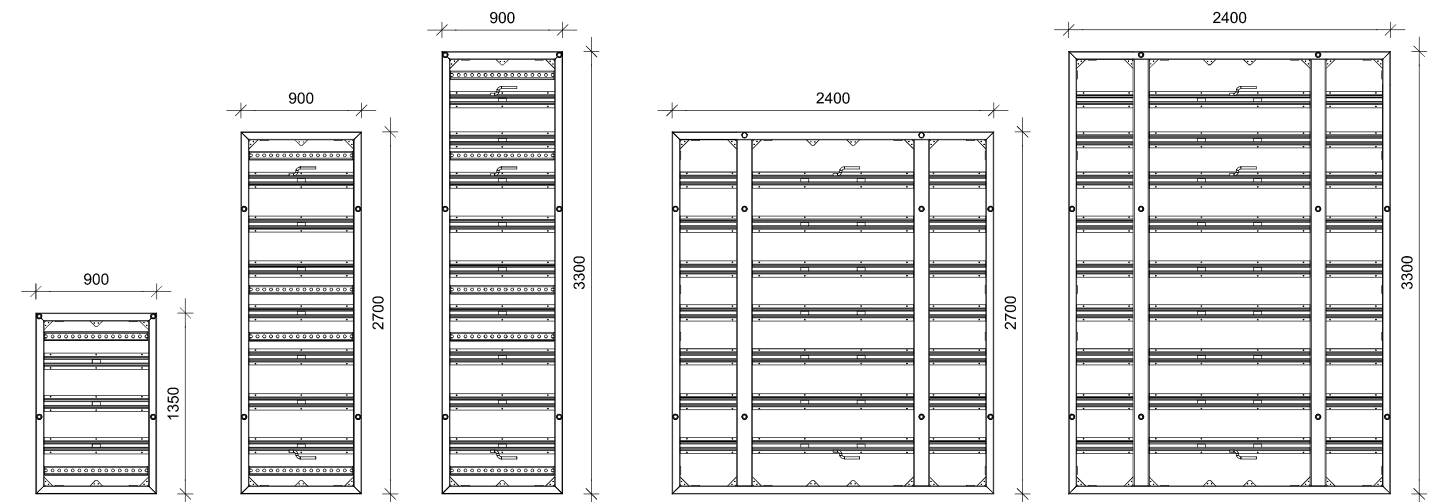
**900mm Family**



**600mm Family**

**450mm Family**

**300mm Family**



**Universal Panels Family**

**Large Area Panels Family**

## S-Max Panels - Features and Details

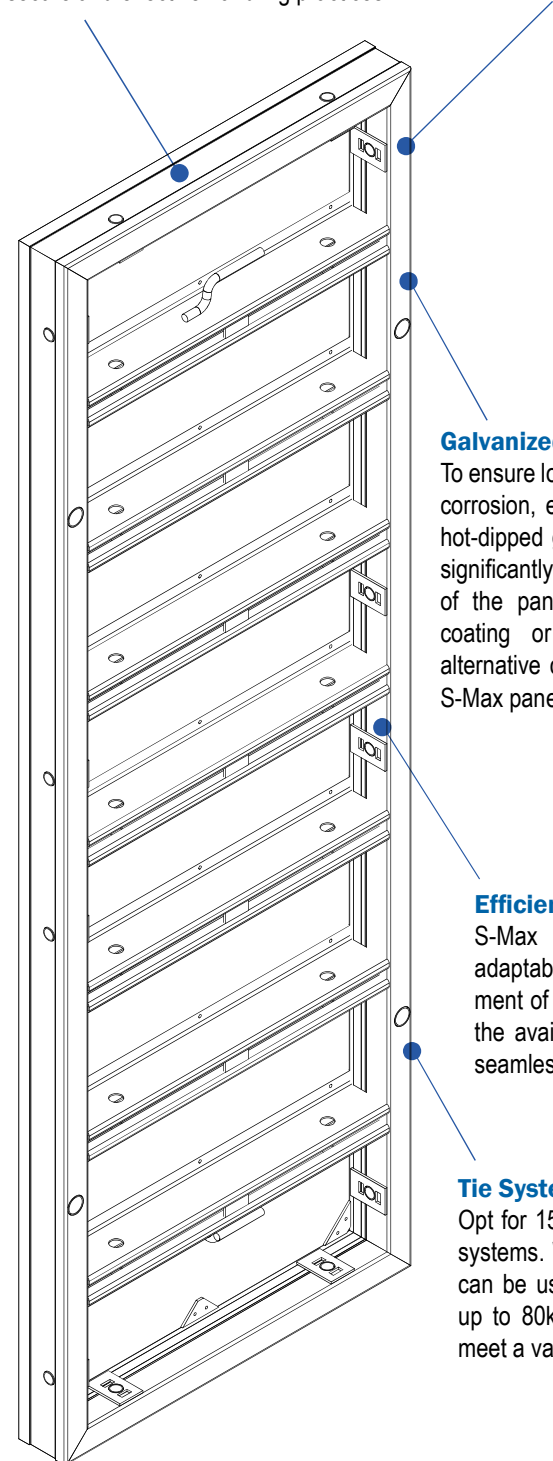
Offering unparalleled flexibility on-site, S-Max panels come in 5 distinct widths and 3 different heights, enabling diverse forming possibilities. By embracing the S-Max exceptional features, you can leverage unparalleled adaptability, durability, and efficiency for your formwork needs.

### Specially Designed Crane Hook Attachment

Safely and efficiently handle panels using the purpose-designed crane hook, which effortlessly attaches to the panel edge members, promoting secure and effective handling practices.

### S-Max Border Profile

The panel's border profile consists of closed rolled hollow profiles. These profiles provide robust protection for the 18mm thickness quality plywood or phenolic coated, or plastic composite sheet that's seamlessly integrated into the panel. The composite sheet is riveted securely from the face side.



### Galvanized Panel Frames

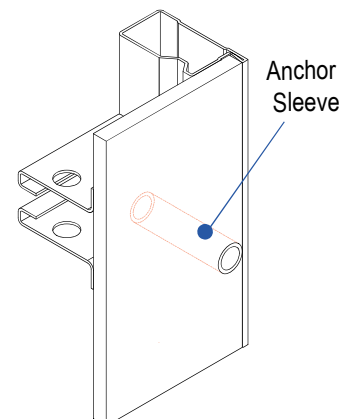
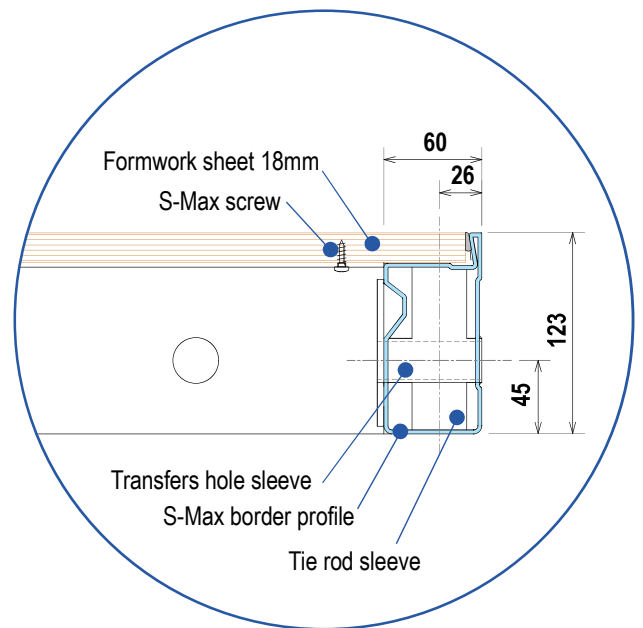
To ensure long-lasting usage without corrosion, each frame undergoes a hot-dipped galvanization procedure, significantly prolonging the lifespan of the panel. Additionally, powder coating or painted finishes are alternative choices available for the S-Max panels.

### Efficient Connection Components

S-Max system is engineered for quick and adaptable assembly, thanks to an efficient arrangement of connecting parts. S-Max accepts many of the available accessories in the market ensuring seamless compatibility.

### Tie System

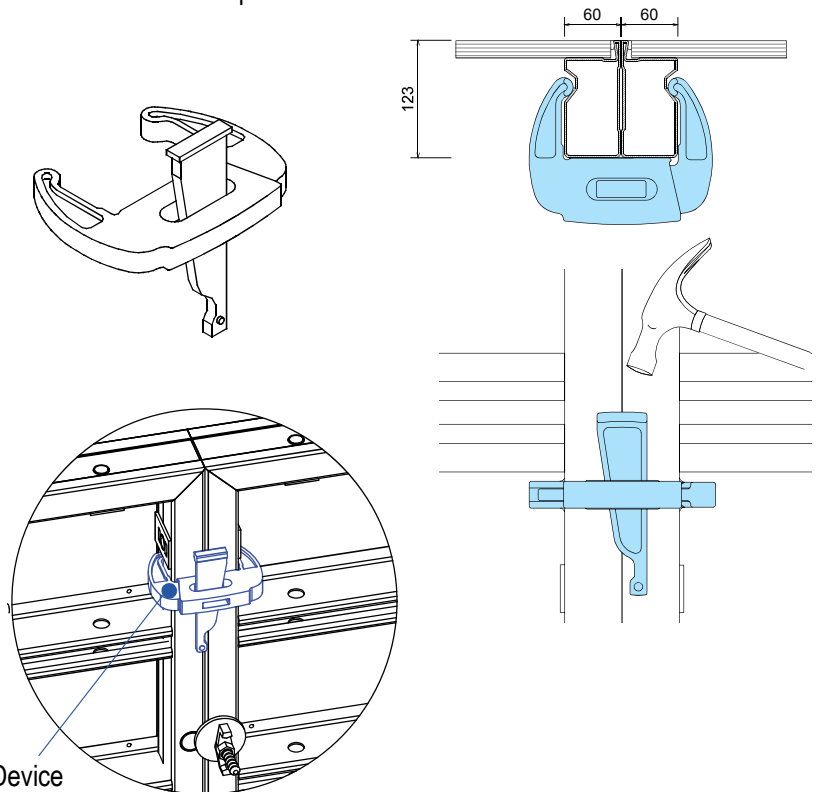
Opt for 15mm or 20mm combination tie systems. With this feature, large panels can be used to handle lateral pressure up to 80kN/m<sup>2</sup> and can be adapted to meet a variety of requirements.



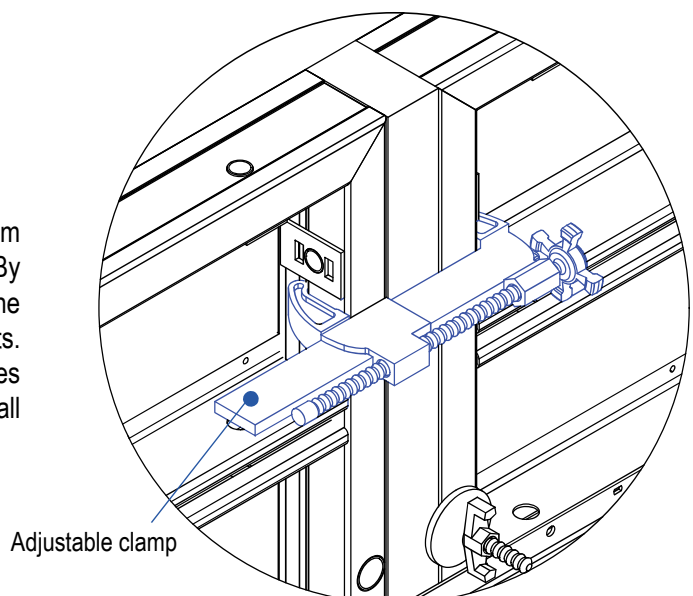
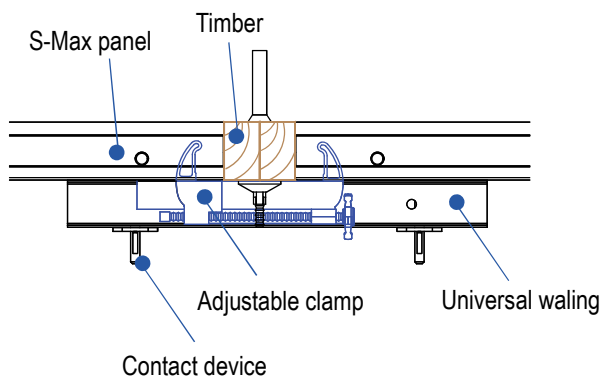
## Panel connections



### Simple panel connections with the S-Max Clamp Device



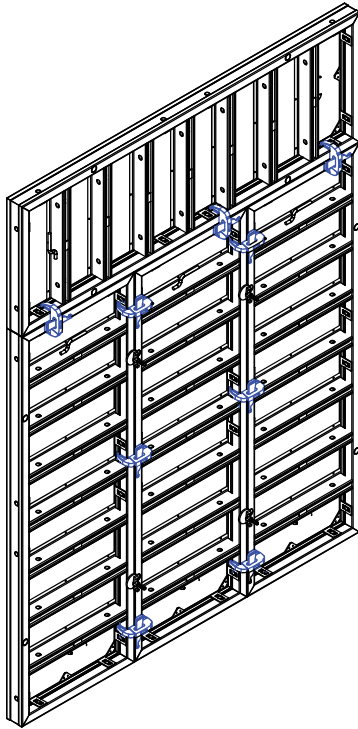
### Closures: 0-20cm



To provide a diverse range of wall lengths, the S-Max system offers an effective solution for constructing timber closures. By utilizing rectangular timber and plywood, S-Max enables the effortless formation of closures tailored to specific requirements. This versatile approach proves particularly effective for closures providing a reliable and efficient means of adapting to various wall dimensions with precision and ease.

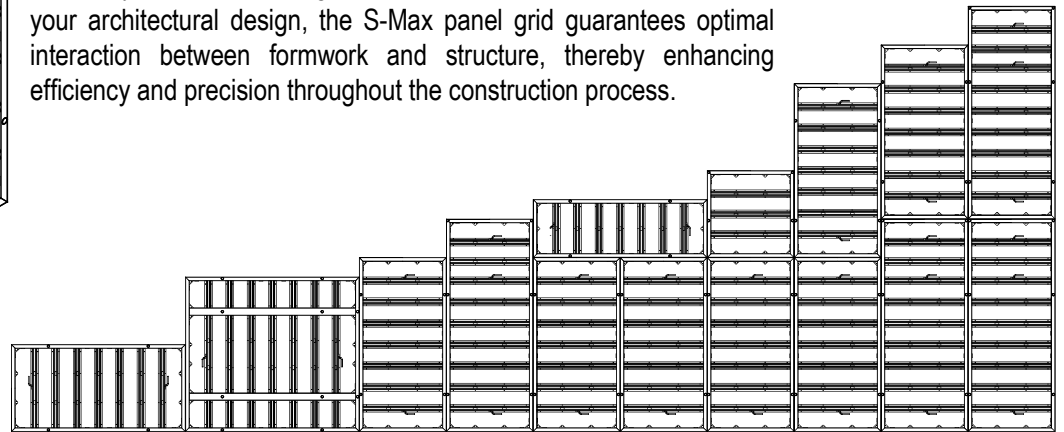


## System adaptability



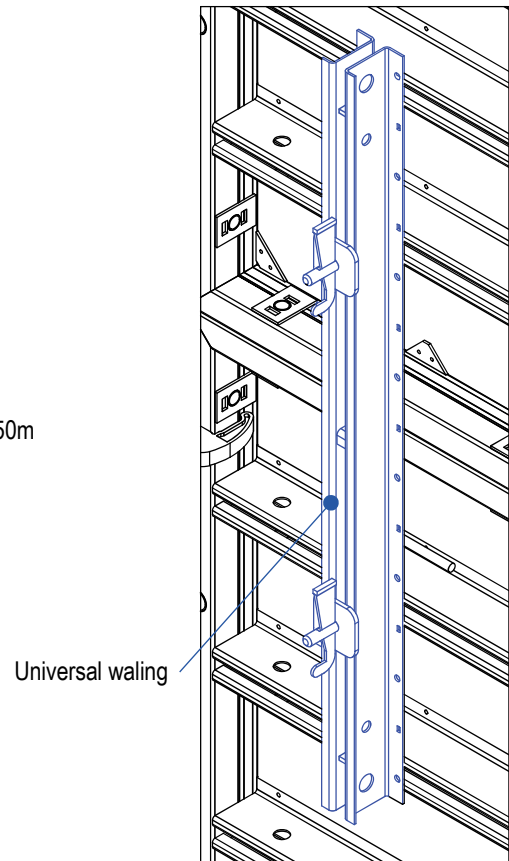
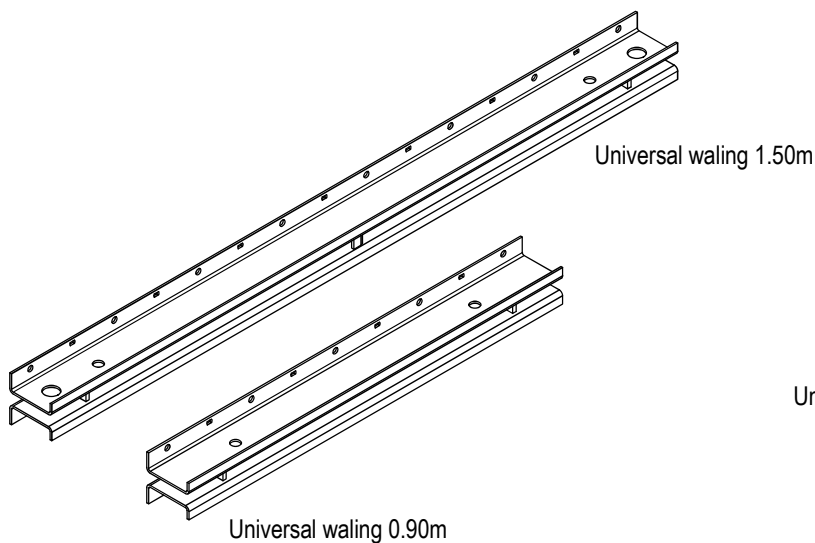
S-Max offers an exceptional panel grid that opens the door to an extensive array of combinations, available in both width and height variations. This ingenious system offers you the freedom to employ the panels in either an upright or sideways orientation, allowing you to cater to diverse construction needs.

At the heart of this system is the thoughtfully designed 15cm grid pattern, which serves as the cornerstone of its adaptability. This meticulously planned grid ensures that you achieve the utmost flexibility when it comes to adjusting the formwork to seamlessly align with the dimensions of your structure. Regardless of the intricacies and variations in your architectural design, the S-Max panel grid guarantees optimal interaction between formwork and structure, thereby enhancing efficiency and precision throughout the construction process.



Incorporating extra universal walings enhances the structural integrity of multi-panel configurations, particularly when stacked to greater heights. This enhancement proves particularly advantageous when using cranes to maneuver substantial multi-panel assemblies with ease.

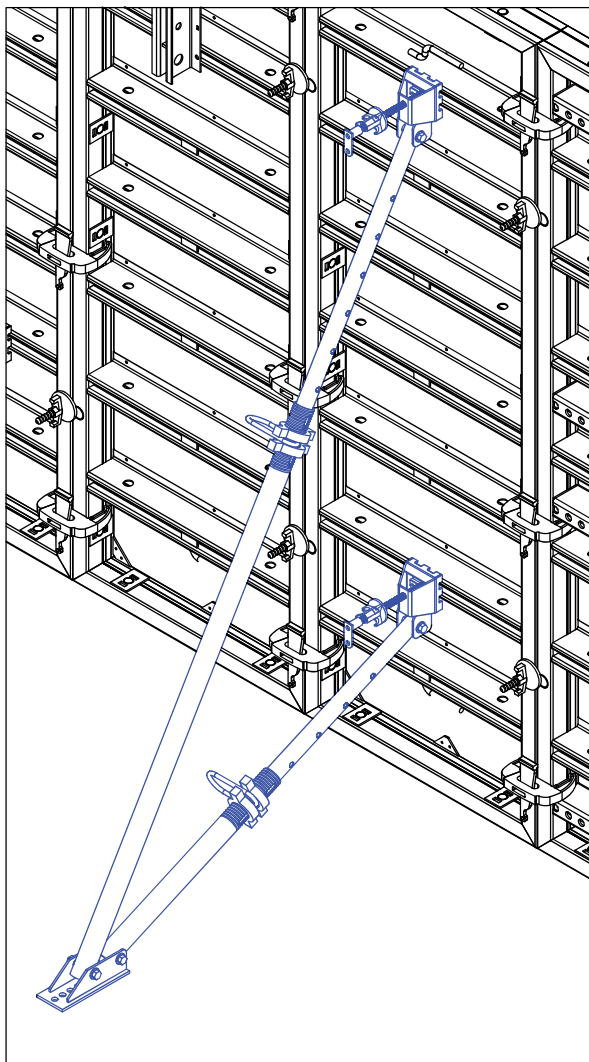
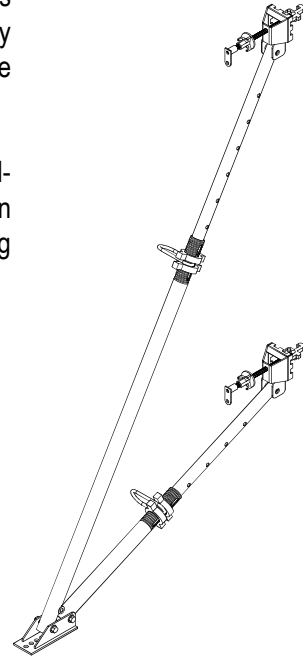
On closure, these supplementary universal walings also play a crucial role in redistributing loads. When the forms are being secured, the universal walings effectively align the multi-panel structures, facilitating the seamless transfer of form-tie forces to the S-Max panels.



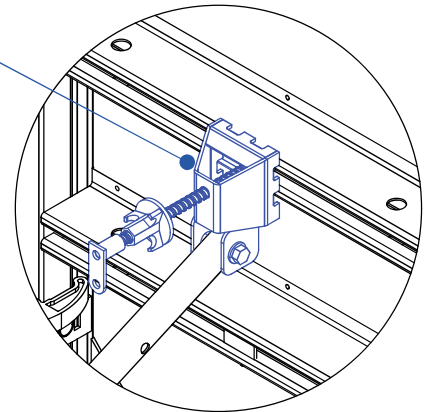
## S-Max Plumbing Accessories

Push-Pull props play a pivotal role in maintaining the steadfast stability of panels when positioned in an upright orientation. These crucial structural elements not only contribute to upholding the panels' balance but also serve to simplify and enhance the process of aligning and adjusting the formwork for plumbing purposes.

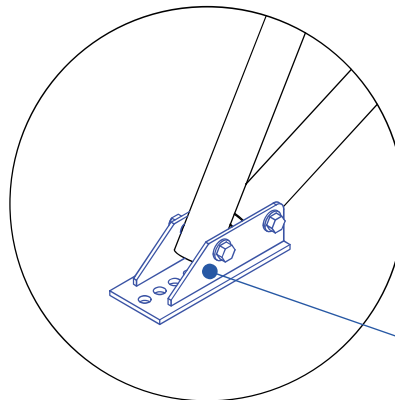
By providing robust support and reinforcement, Push-Pull props prevent any unintended movement or swaying of the panels, ensuring that they remain securely fixed in their vertical configuration. This heightened stability is especially significant during construction projects where precision and reliability are paramount.



PP Prop Head

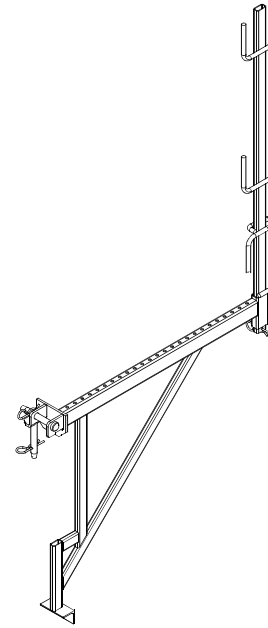


PP Prop Base



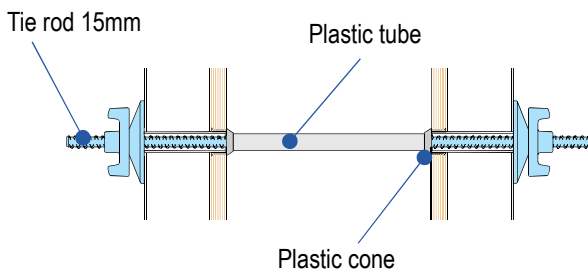
## S-Max Access Bracket

Introducing the Access Bracket, a versatile solution for constructing pouring platforms. This innovative bracket enables the effortless manual assembly of these pouring platforms, simplifying the installation process.

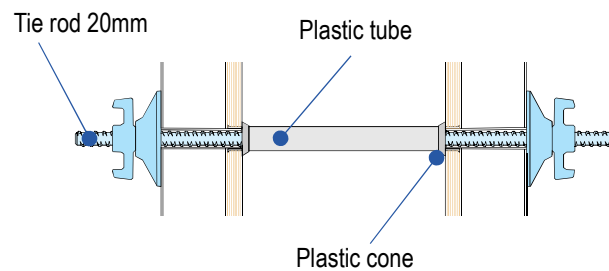


## S-Max Formwork Tie System

### 15mm



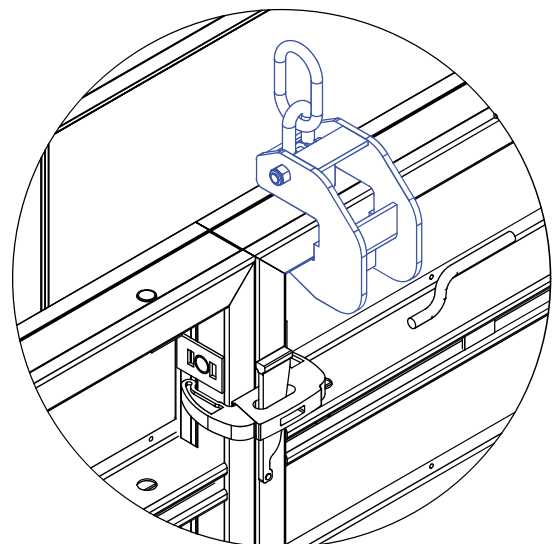
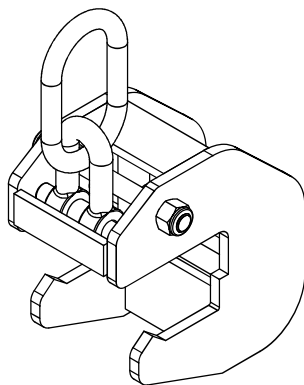
### 20mm



For high formwork pressures of up to  $80\text{kN/m}^2$ , use the form tie system 20mm

## Moving by crane

Utilizing the lifting hook enables secure relocation of sizable gang-forms via crane. Once suspended, the lifting hook engages its automatic locking mechanism. The hook should be attached to suitable lifting ropes, ensuring a middle angle of no more than  $60^\circ$ . Each lifting hook is rated for a maximum load of 1000 Kg. For optimal positioning, place the lifting hook in proximity to the frame stiffenings.



Notes:

A large grid of graph paper for taking notes, consisting of 20 columns and 40 rows of small squares.

S-Max Panels		g	k	
	S-Max Panel 3300 x 1350	211.43	FSCPHPLS3300135A	
	S-Max Panel 2700 x 1350	173.25	FSCPHPLS2700135A	
	S-Max Panel 1350 x 1350	92.99	FSCPHPLS1350135A	
	S-Max Panel 3300 x 900	157.48	FSCPHPLS3300090A	
	S-Max Panel 2700 x 900	128.98	FSCPHPLS2700090A	
	S-Max Panel 1350 x 900	68.75	FSCPHPLS1350090A	
	S-Max Panel 3300 x 600	109.21	FSCPHPLS3300060A	
	S-Max Panel 2700 x 600	89.25	FSCPHPLS2700060A	
	S-Max Panel 1350 x 600	46.96	FSCPHPLS1350060A	
	S-Max Panel 3300 x 450	92.02	FSCPHPLS3300045A	
	S-Max Panel 2700 x 450	75.10	FSCPHPLS2700045A	
	S-Max Panel 1350 x 450	39.38	FSCPHPLS1350045A	
	S-Max Panel 3300 x 300	74.80	FSCPHPLS3300030A	
	S-Max Panel 2700 x 300	61.16	FSCPHPLS2700030A	
	S-Max Panel 1350 x 300	31.92	FSCPHPLS1350030A	
Galvanised and powder-coated Overall depth: 12.3cm				

S-Max Inside Corner		g	k	
	S-Max Inside Corner 3300	113.07	FSCPICAS0600330A	
	S-Max Inside Corner 2700	92.44	FSCPICAS0600270A	
	S-Max Inside Corner 1350	48.65	FSCPICAS0600135A	
Powder-coated, blue Edge-to-corner dimension: 30cm				

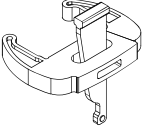
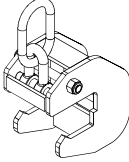
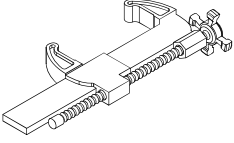
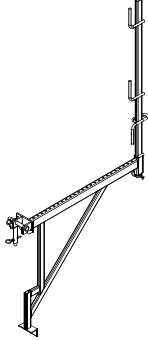
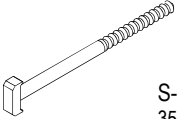
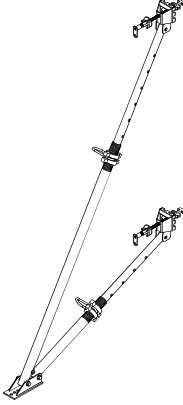
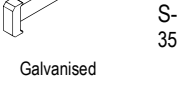
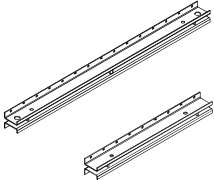
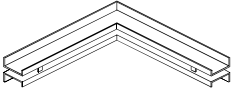
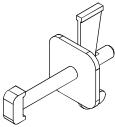
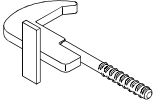



S-Max Outside Corners		g	k	
	S-Max Outside Corner 3300	57.87	FSCPOCRSXXX0330A	
	S-Max Outside Corner 2700	46.51	FSCPOCRSXXX0270A	
	S-Max Outside Corner 1350	23.06	FSCPOCRSXXX0135A	
Galvanised Edge-to-corner dimension: 15cm				

S-Max Hinged Inside Corners		g	k	
	Hinged Inside Corners 3300	139.71	FSCPHICS0580330A	
	Hinged Inside Corners 2700	114.51	FSCPHICS0580270A	
	Hinged Inside Corners 1350	61.77	FSCPHICS0580135A	
Powder-coated, blue Edge-to-corner dimension: 30cm				

S-Max Hinged Outside Corners		g	k	
	Hinged Outside Corners 3300	78.69	FSCPHOCSXXX0330A	
	Hinged Outside Corners 2700	64.22	FSCPHOCSXXX0270A	
	Hinged Outside Corners 1350	33.61	FSCPHOCSXXX0135A	

S-Max Universal Panels		g	k	
	Universal Panel 3300 x 900	197.07	FSCPUPLS1350330A	
	Universal Panel 2700 x 900	160.66	FSCPUPLS0900330A	
	Universal Panel 1350 x 900	84.58	FSCPUPLS0750330A	

S-Max Large Panels		g	k	
	S-Max Panel 3300 x 2400	415.07	FSCPLPLS2400330A	
	S-Max Panel 2700 x 2400	340.81	FSCPLPLS2400270A	

	g	k		Wt. (kg)	Code
<b>S-Max Clamp Device</b>  Galvanised	3.50	FTRGCDVPFHDXXXXA	<b>S-Max Lifting Hook</b>  Galvanised	11.00	FCFPLFBSXXXXXXAA
<b>S-Max Adjustable Clamp</b>  Galvanised	5.75	FTRGCADPFHDXXXXA	<b>S-Max Access Bracket</b>  Galvanised	13.50	FCFEWBRSXXXXXXAA
<b>S-Max T-Bolts</b> S-Max T-Bolt 26cm  Galvanised	0.65	FTRGGCSPF1016XXA	<b>S-Max Push-Pull Prop</b>  S-Max Push-Pull Prop 350 S-Max Push-Pull Prop 600		
S-Max T-Bolt 35cm  Galvanised	0.75	FTRGGCSPF1025XXA		31.00	FCFEWBRSXXXXXXAA
<b>S-Max Universal Walings</b>  Painted blue					
S-Max Uni. Walings 0.90m S-Max Uni. Walings 1.50m	10.60	FCFPGPLS090XXXXA		51.00	FCFPGPST540SXXXXB
	16.80	FCFPGPLS150XXXXA			
<b>S-Max Corner Waling</b>  Painted blue	13.00	XXX			
<b>S-Max Contact Device</b>  Galvanised	1.45	XXX			
<b>S-Max End Tie</b>  Galvanised	1.60	XXX			
<b>Hexagon nut 15</b>  Galvanised	0.23	XXX			
<b>S-Max Plate 15</b>  Galvanised	0.80	XXX			
<b>Anchor plate 15</b>  Galvanised	1.10	XXX			



**Abu Dhabi**

**T: +971 2 5500688**

**F: +971 2 5500689**

**P.O. BOX: 41851, Abu Dhabi, UAE**

**Dubai**

**T: +971 4 8862855**

**F: +971 4 5562558**

**P.O. BOX: 18234, Jebel Ali, UAE**

**[WWW.SCAFFCO.COM](http://WWW.SCAFFCO.COM)**