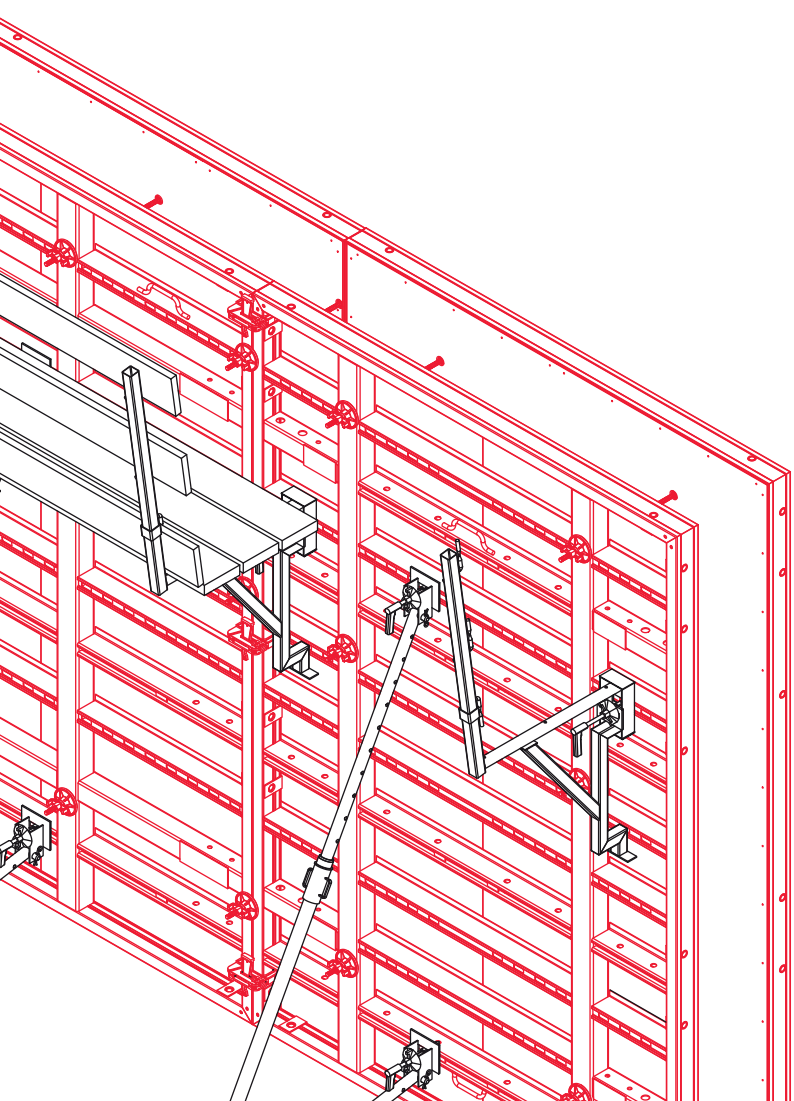


FOWLER

SCAFFOLD HOISTS FORMWORK

FRAMED FORMWORK SUPER DESTIL



USER INFORMATION

SAFETY WARNINGS

- The respect of these instructions does not exempt from compliance with all safety regulations in force in the country where you use the system.
- These instructions are intended for users of Fowler products and systems. Operators must be aware of the contents of this manual; in case they have difficulties in reading the same, contact Fowler Formwork Manager.
- The User's Manual instructions must always be available at the workplace for all operators.
- This manual, even if used in order to draw up a Method Statement, will not substitute it, and the Method Statement will remain an important and unavoidable site document, responsibility of the client.

- **Information and illustrations contained herein are relative to only the system in question, and therefore not exhaustive about the overall security; always refer to the applicable health and safety regulations in the area of use of the equipment.**
- **In relation to flow, configuration, installation, use and dismantling of equipment Strictly obey all instructions contained herein; failure to comply with them may result in serious injury to people, as well as extensive property damage.**
- Take every precaution consequently due to the climatic conditions of the site (i.e. in case of rain and/or ice to provide anti-slip measures etc.)
- Periodically verify, especially after severe weather conditions, any connection, wedge or any other connecting element, in order to avoid any possible system instability and consequent accidents.

SUMMARY

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FEATURES

Destil wall framed formwork is a new system for efficient concrete construction technology and is now available.

DESTIL offers increased efficiency and reduces costs through the following:

PANEL HEIGHTS: Formwork with a wide range of modularity available in heights of 3.6m, 3.3m, 2.7m, 1.35m and 1.2m.

PANEL WIDTHS: 2.4m, 2.1m, 1.8m, 1.35m, 1.2m, 1.0m, 0.9m, 0.75m, 0.6m, 0.45m and 0.3m.

STEEL: highly resisting steel, type S315MC.

Frame depth: 123 mm

Thickness: 2.50 mm

Finishing technique: hot Zinc-coat

MAX CONCRETE PRESSURE: 80 kN/m² USING D 20 Tie-rods

HIGH-QUALITY PLYWOOD: 18 mm birch quality-plywood or a plastic-coated plywood that lives 3 times longer or full composite plastic board.

HIGH COMPATIBILITY: The formwork is perfectly compatible with other formwork systems currently in the market.

NEW CONCRETE FINISHES: Thanks to an innovative steel profile, we have improved visible concrete surfaces. Destil Formwork are for Works of Art.

LONG LIFE: Frames and profiles are hot dipped galvanized both inside and outside.

LOW DENSITY OF TIE RODS: You need only 2 tie rods for concreting heights up to 3.0m panel, decreasing the assembly times.

LARGE-AREA CRANE OPERATION: Versatile, quickly assembled and movable in large units. Destil is used on both small and large construction sites.

FAST CONNECTION OF PANEL: Particular geometry of steel profile allows the connection of different steel frame modules in any position by Quick-acting clamps and Multi- function clamps.

CORNERS AND CIRCULAR WALLS: All corners, articulated corners and panels for circular walls or columns are available.

TECHNICAL ASSISTANCE: We ensure technical assistance pre-and post-sale.

ACCESSORIES: Full range and interchangeability of all accessories.

SPEED: Fast system for Walls, Columns and Slabs. Rapid planting, removing and moving on-site of formwork. The construction time is reduced by 25% compared to conventional methods.

REUTILISATION: High number of possible reutilisation. This steel frame system allows the construction of the following:

- Vertical formwork
- Horizontal formwork
- Formwork supported by shoring system
- Climbing formwork suitable for towers and bridge piers
- Dam formwork
- Formwork suitable for construction of elevator shafts
- Single-faced concreting formwork
- Tunnel formwork.

DESTIL FRAMED FORMWORK

1 Highly resistant steel frame, 123 mm high, with perimetral concavity adapted for insertion of connection clamps in any position.

2 Perimetric holes adapted and suitable for higher planting versatility (Example: Formwork modules can be joined with bolts or with Universal fixing bolt).

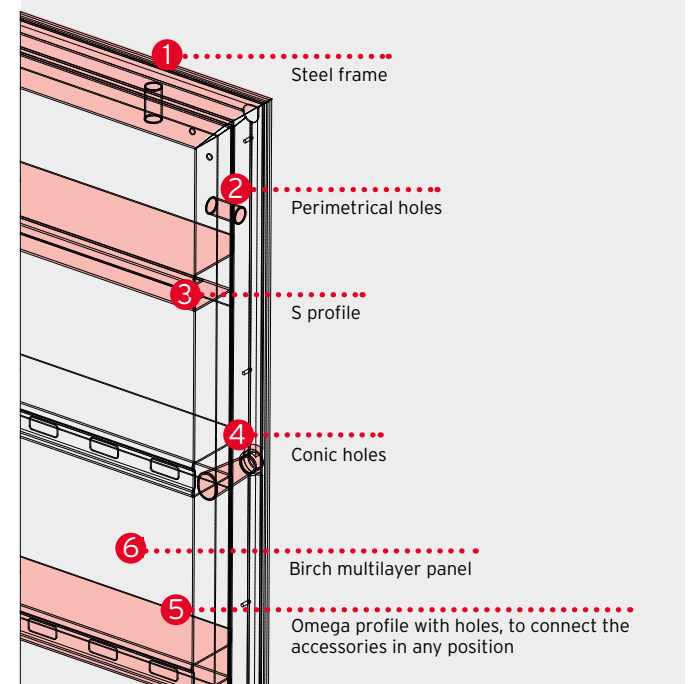
3 Profile S, the optimal and versatile solution to hook all the accessories of Destil system, shortening formworking and dismantling time.

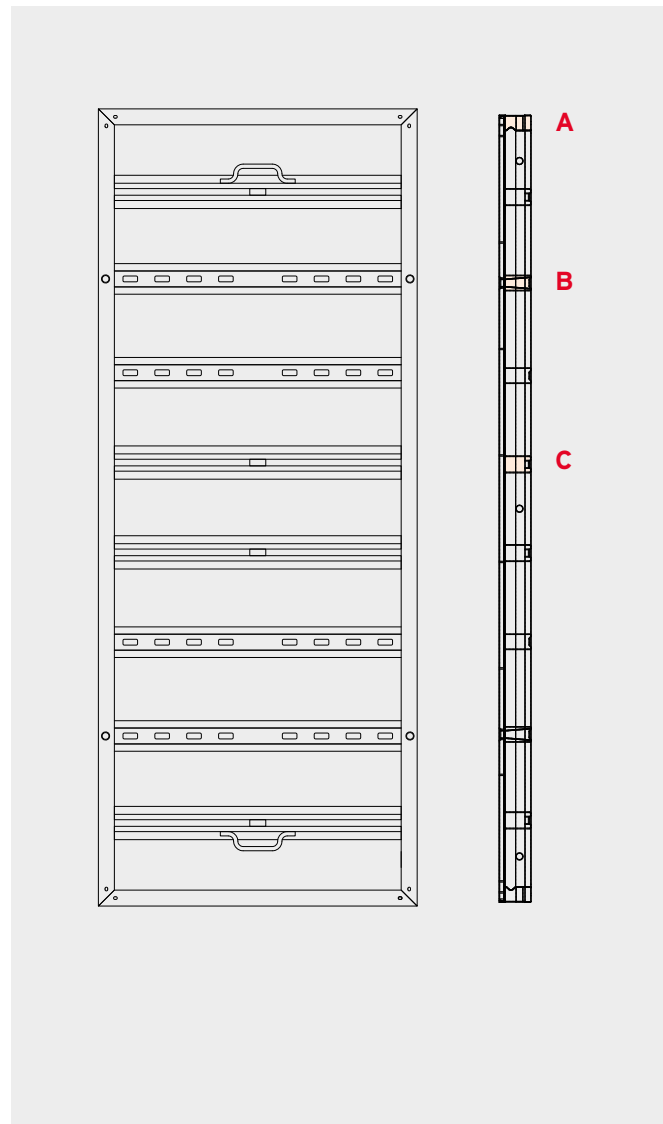
4 Conic holes suitable for easier mounting operations of tie rods. Low density of tie rods per square metre, just two on the 3-metre high module which permits reduced labor costs (up to 30% in comparison to 3 anchorage points).

5 Every profile has numerous holes at constant distances for easier and universal insertion of each accessory.

6 Birch multilayer panel, 18 mm thick, with superficial phenolic treatment, easy to clean, and sealed perimetrically with silicon seal process. Also available, plastic-coated plywood that lives three times longer and full composite sheeting. A wide range modularity of framed formwork together with availability of different size panels, including Super Destil extra large dimensions, permits constructions of any kind, size, and measure. High compatibility with other formwork systems currently on the market.

DETAIL: FRAME

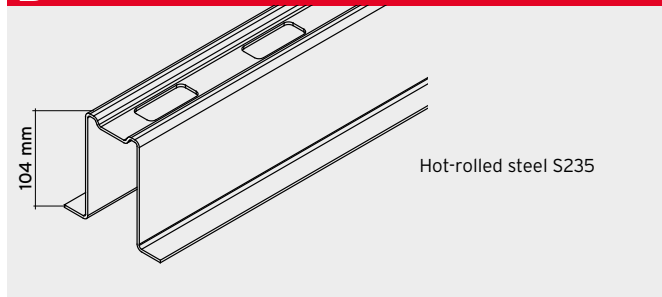




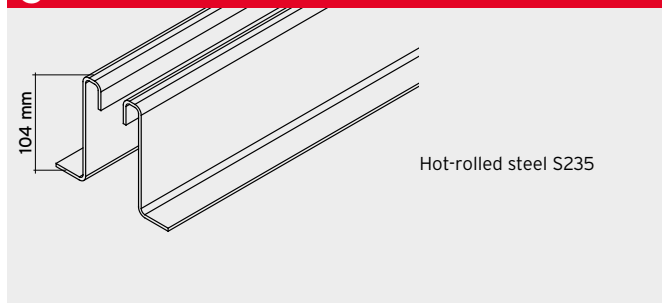
A BORDER FRAME PROFILE



B OMEGA PROFILE



C "S" PROFILE



DESTIL FRAME FORMWORK PANELS

Destil Framed Panels
Logical modular system in steps of 150 mm. The heights and the widths of the frame Destil elements form a modular system logical and simple to use that makes the formwork particularly flexible and cost effective.

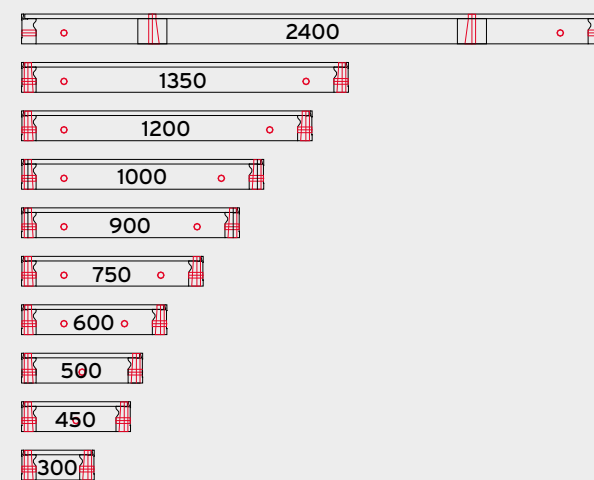
- easy planning and forming
- adjustment of the height and width in steps of 150 mm
- few compensations required
- clear positioning of junctions.

Only two anchors in height till a height of 3000 mm, with elements of 3300 mm and 3600 mm, only 3 anchors are required in height. Largest distance between anchors in width: 1350 mm

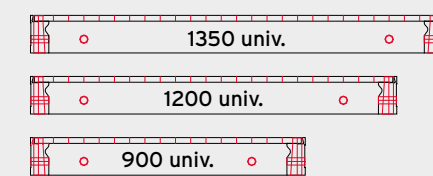
- 10 panel widths,
- 5 panel heights
- 3 Super Destil panels with large dimensions

With this wide range you can form any geometry.

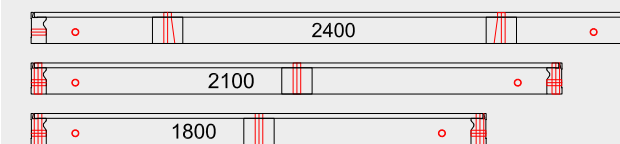
PANEL WIDTH



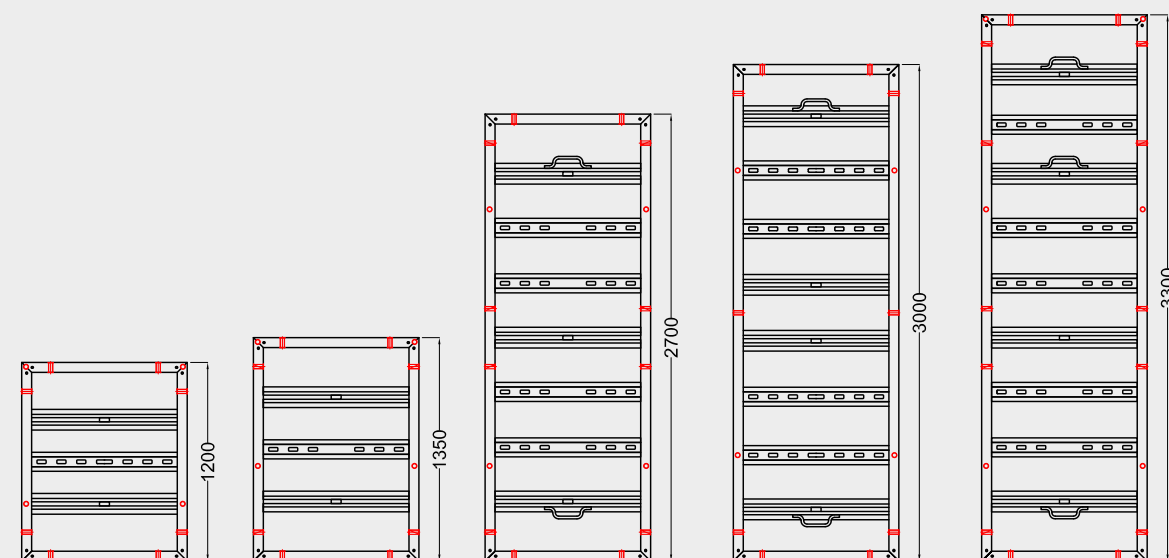
UNIVERSAL PANEL WIDTH



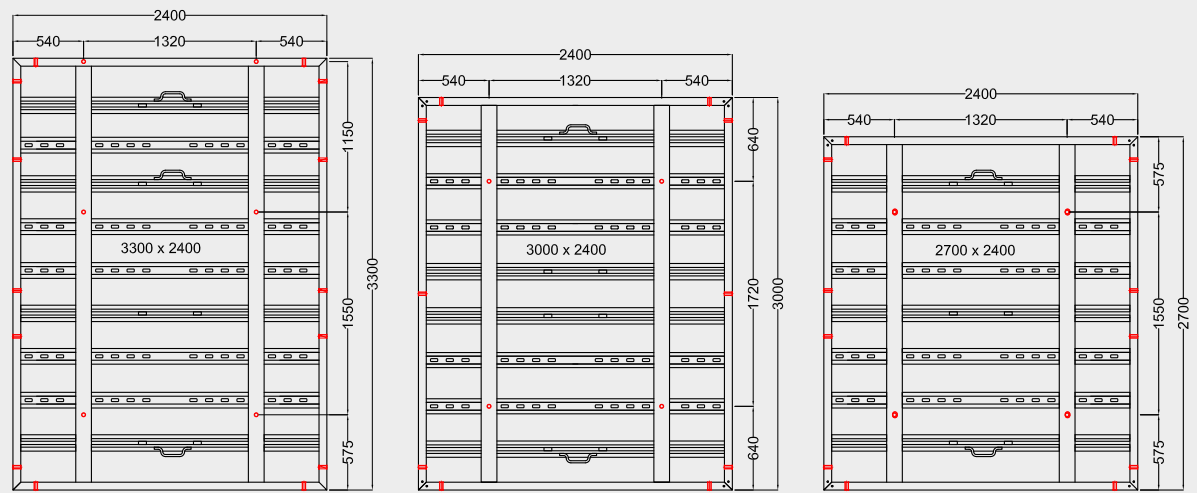
SUPER DESTIL WIDTH



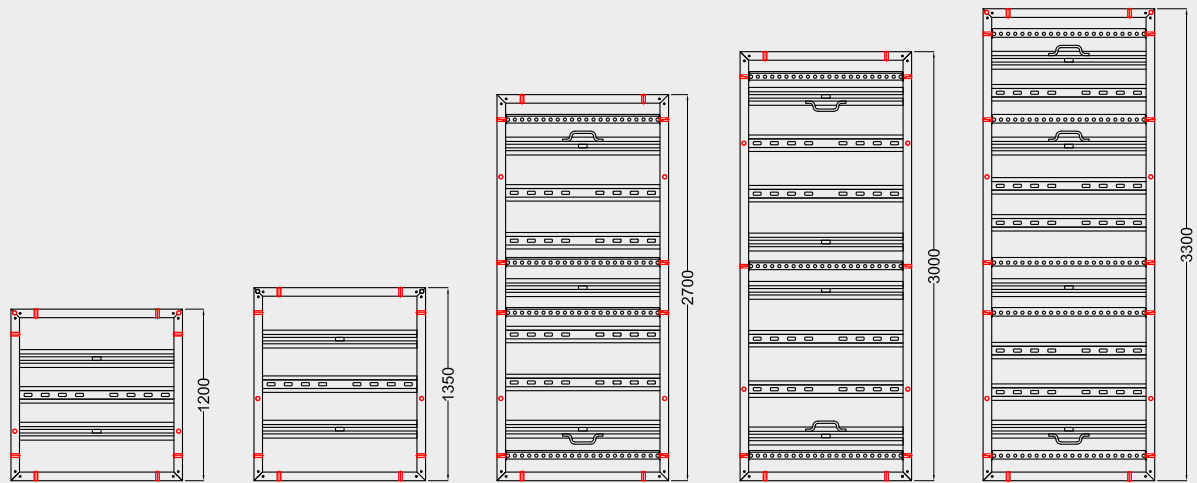
PANEL HEIGHT



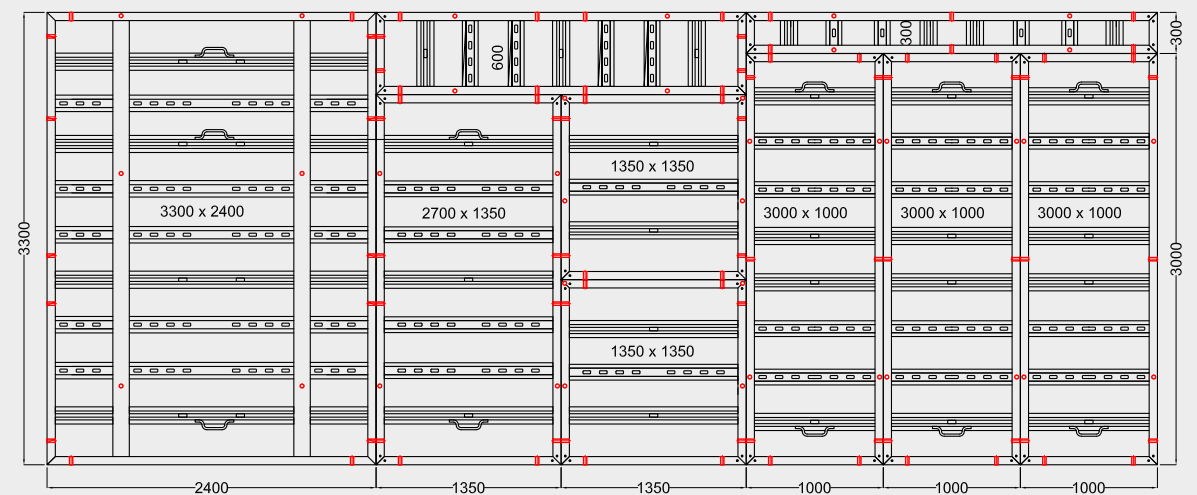
LARGE PANELS



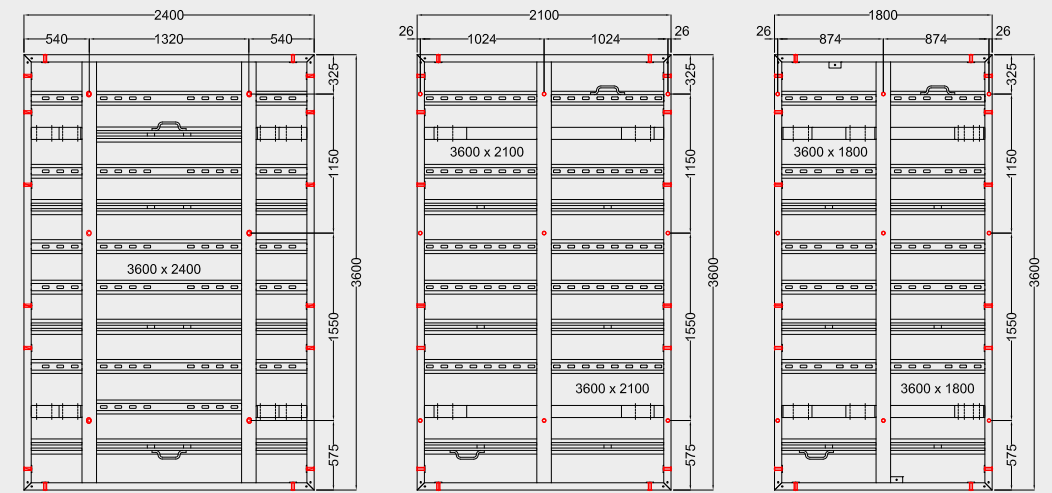
UNIVERSAL PANELS



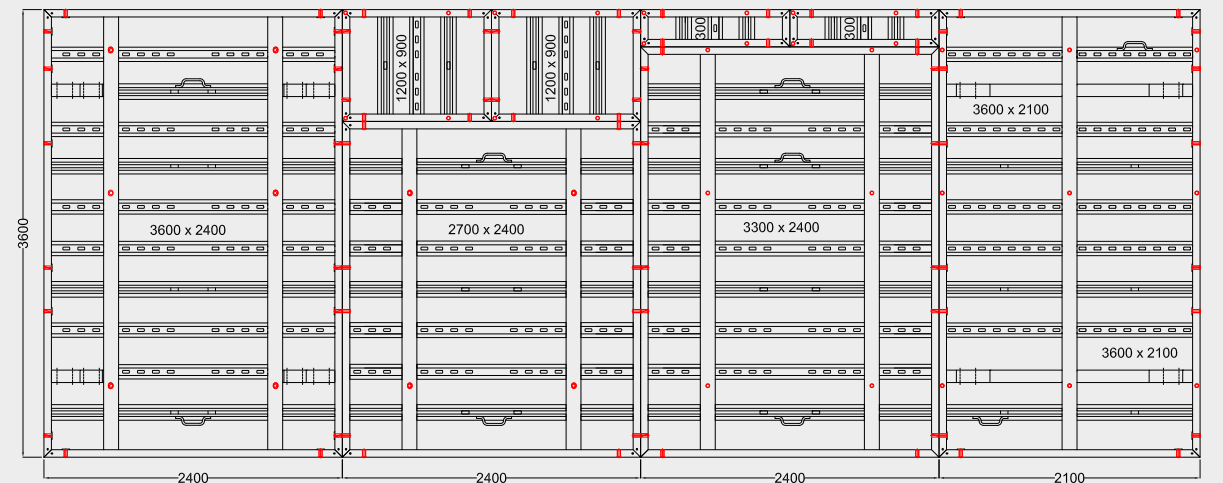
COMBINATIONS



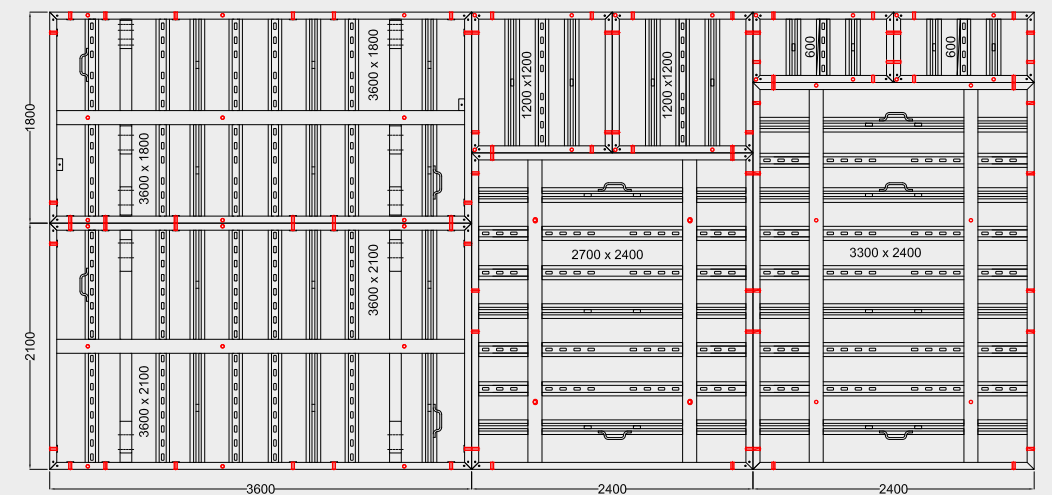
SUPER DESTIL PANELS



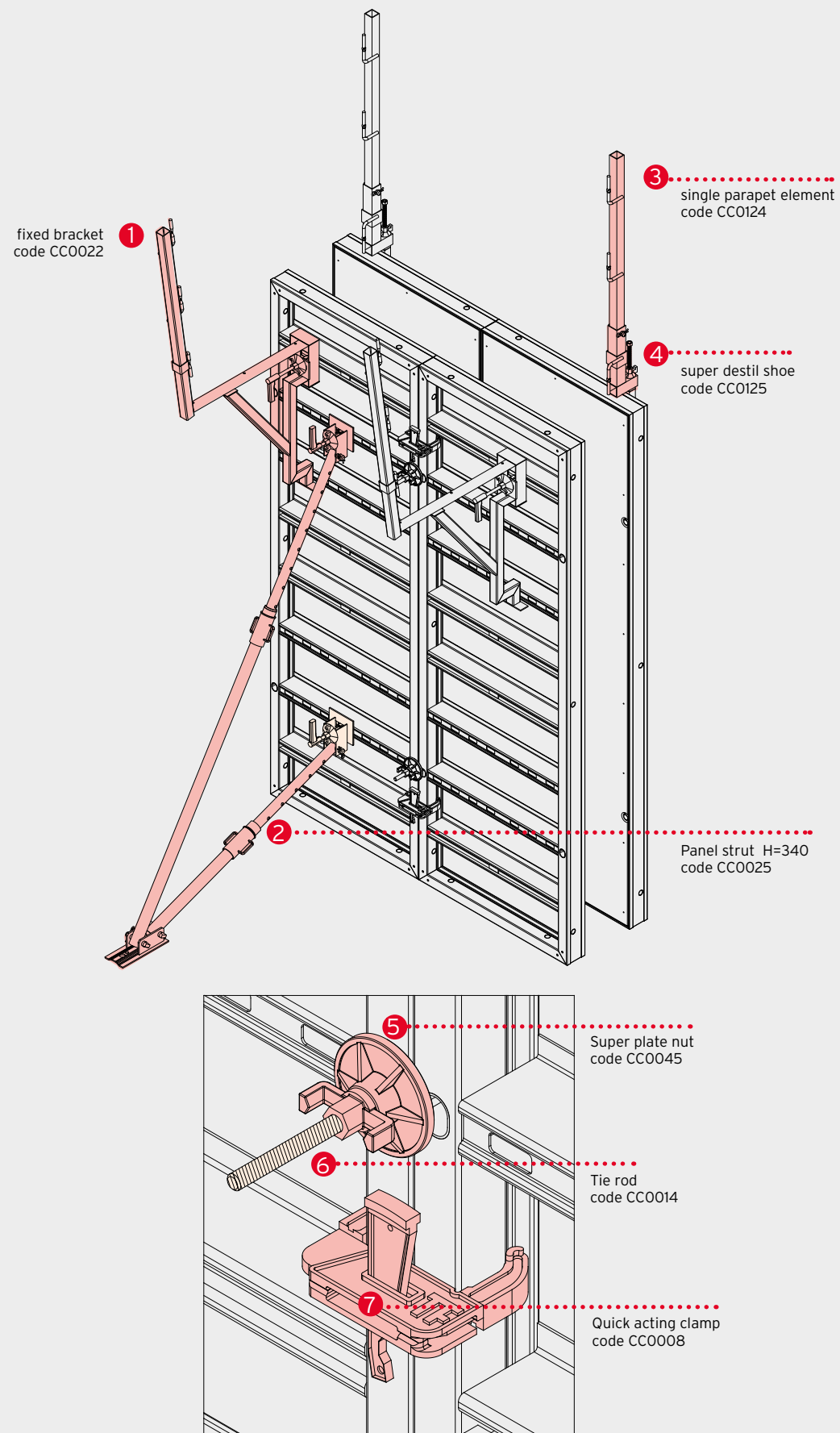
SUPER DESTIL COMBINATIONS



SUPER DESTIL COMBINATIONS



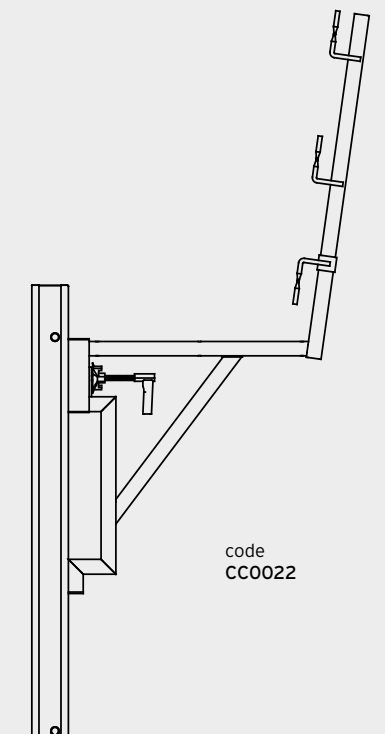
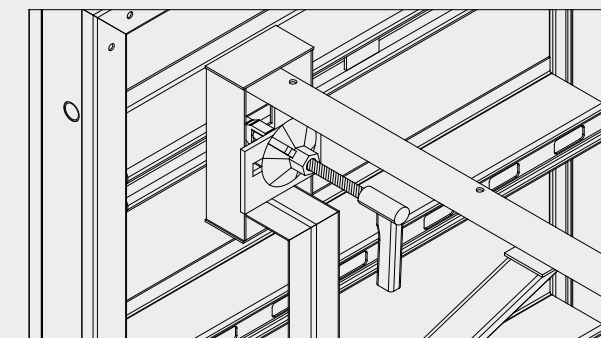
SUPER DESTIL FORMWORK PANEL CONNECTION



FIXED BRACKET

Should be used for construction of casting platforms or service platforms. Fixed bracket is joined to the formwork structure with appropriate fixing head. It is recommended to maintain the distance between two brackets no greater than 1.8 metres. Toe boards, midrails and top rails must be installed prior to accessing brackets. The access to the work platforms and casting platforms is granted with appropriate ladders. If the casting platform is mounted on the top of the formwork, even the other side of the bracket should be protected with appropriate parapet. Any other outer openings should be closed and blocked according to the local safety regulations.

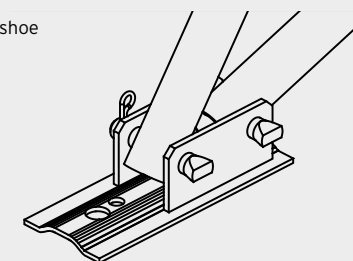
Connection with formwork module



PANEL STRUT / PUSH PULL PROP

Panel struts allow the adjustment of formwork perfectly vertical and can reach up from 4.2 to 6.5 metres in height. With two telescopic arms; each of which has one Prop head which is suitable for anchorage to formwork at any point. The Prop shoe should be fixed to the ground in order to avoid turnover of the formwork.

Prop shoe



Connection with formwork

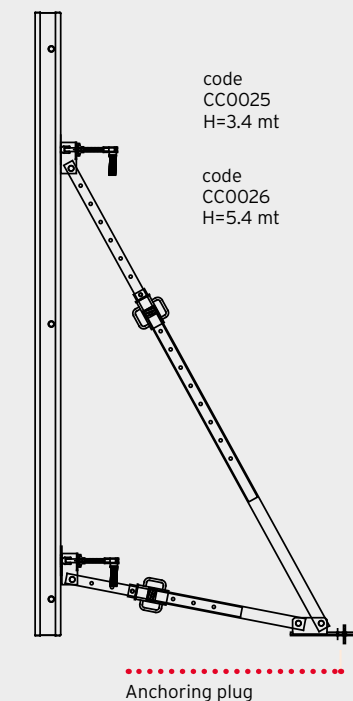
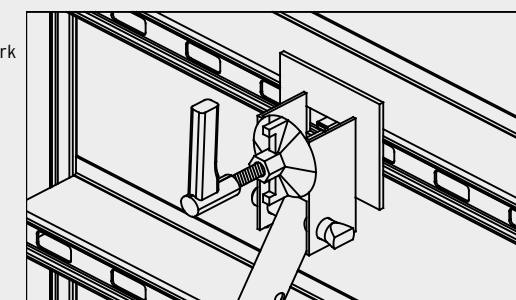
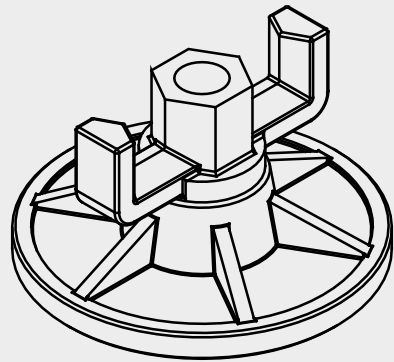


PLATE NUT D15 (ø150)

code
CC0045

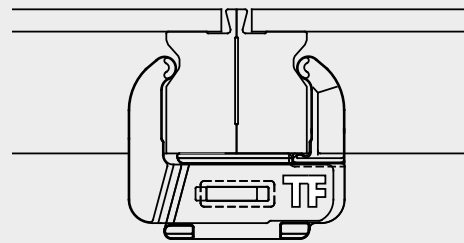


Screwed on the tie rods in order to lock up bindings (2 plates needed for each bar). Admissible load =90 kN (according to regulation DIN 18216).

QUICK ACTING CLAMP

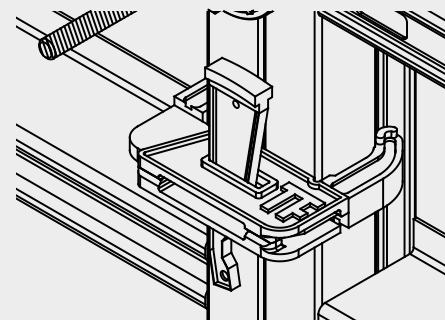
Connect the adjacent formwork elements together using quick-action clamps at any point of the frame edge, preferably close to the stiffeners.

- Destil Quick Acting Clamp and Destil Multi Function Clamp:
- align perfectly the elements creating connections faster and resistant to traction
 - the wedge mechanism avoids clogging of concrete



Fixes the formwork panels

code
CC0008



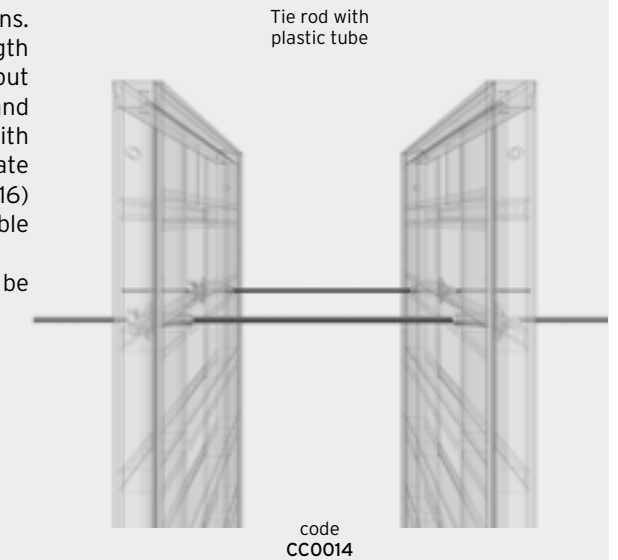
VERTICAL ELEMENTS		HORIZONTAL ELEMENTS	
Height elements (mt)	Fixing number	Height elements (mt)	Fixing number
1.20	2	0.30	1
1.35	2	0.45	1
2.70	2	0.60	2
3.00	2	0.90	2
3.30	2	1.35	2

- Permitted tensile force: 15.0 kN
- Permitted shear force: 6.0 kN
- Moment: 0.5 kNm

Thanks to the notch that runs along the frame profile, the connection of elements may occur at any point. This allows a continuous junction in height of elements in any position.

TIE ROD

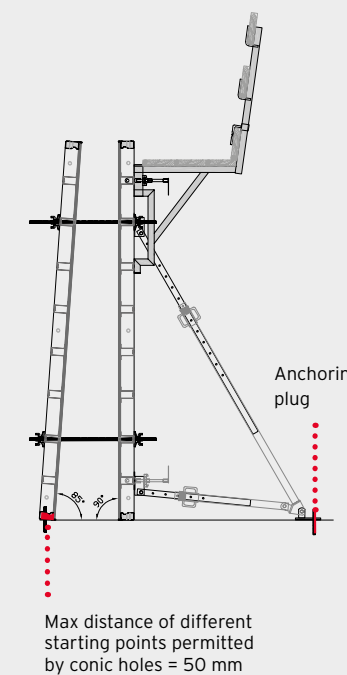
Used to fix corresponding formwork during the casting operations. Produced in standard length of 6 metres and cut to necessary length on the construction site. The bars can be reused after the works; but prior to casting, they should be put in plastic tube, type 22/26, and then can be reused. For correct usage the bar should be equipped with appropriate accessories (Super plate nuts or Hexagon nuts or Plate nuts D15). Admissible load: 90 kN (according to regulation DIN 18216) Ultimate load: 190 kN (according to regulation DIN 18216). Admissible load: 120 kN (with 1.6 safety factor).
NOTE: To avoid rupture or deformations, the bars should not be warmed-up or welded.



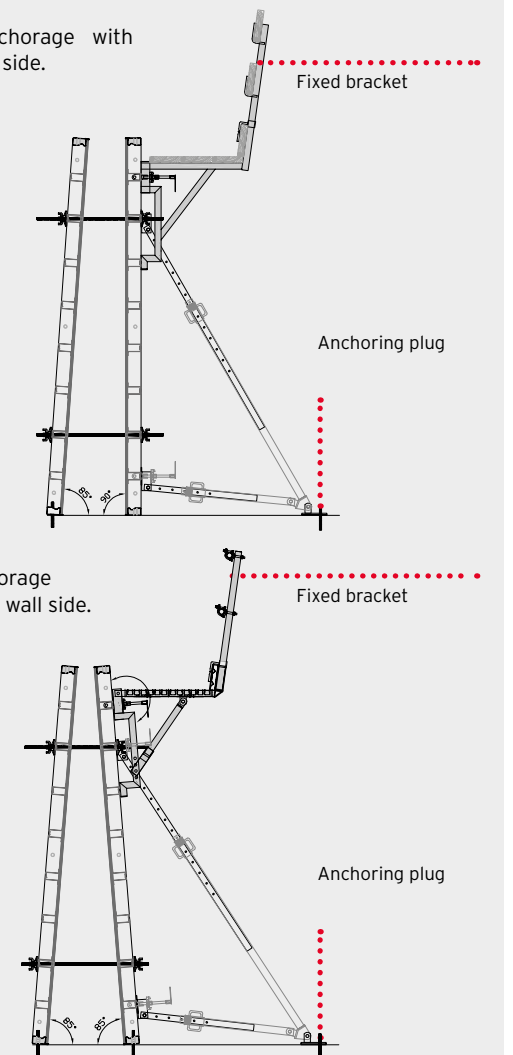
EXAMPLE

EXAMPLE OF DIFFERENT FORMWORK STARTING POINTS. The presence of conic holes permits connecting two formwork modules with different starting points.

Example of anchorage with one inclined wall side.

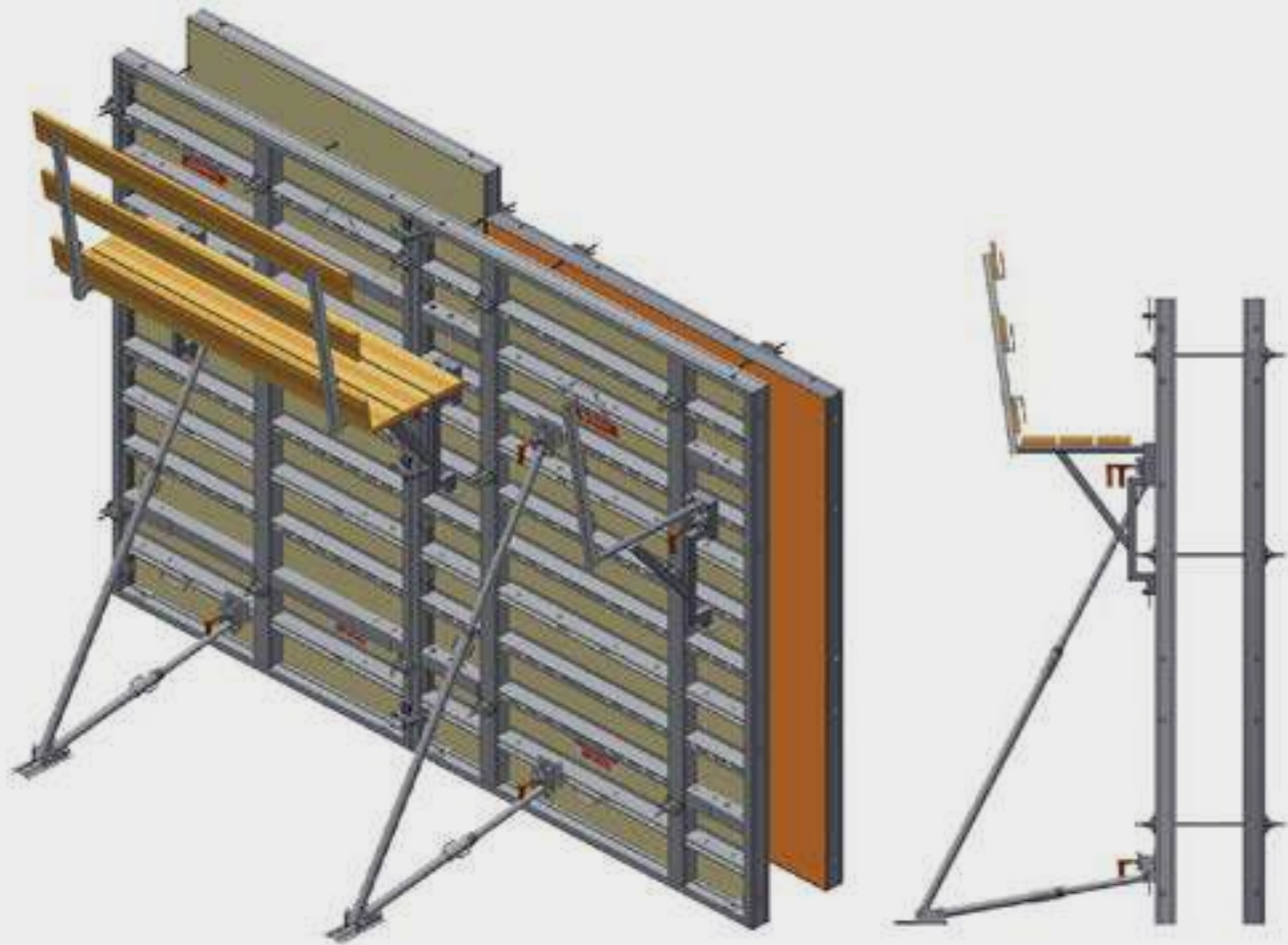


Example of anchorage with two inclined wall side.

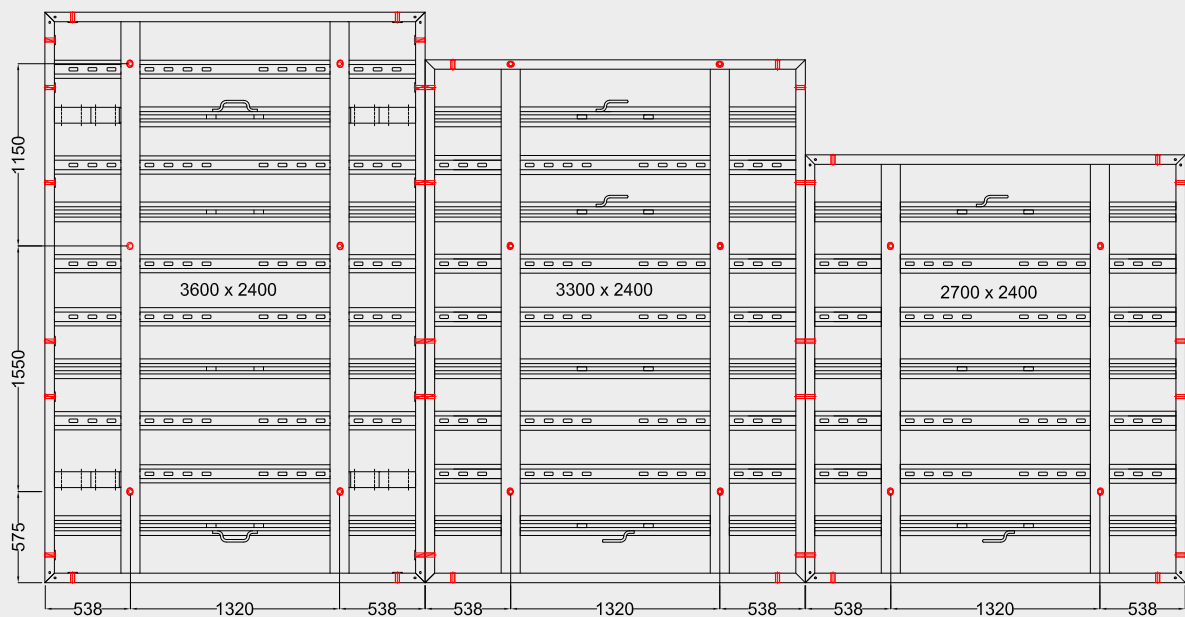


MAX wall side's inclination permitted by conic holes = 5 °

SUPER DESTIL : TIE RODS COMPATIBILITY

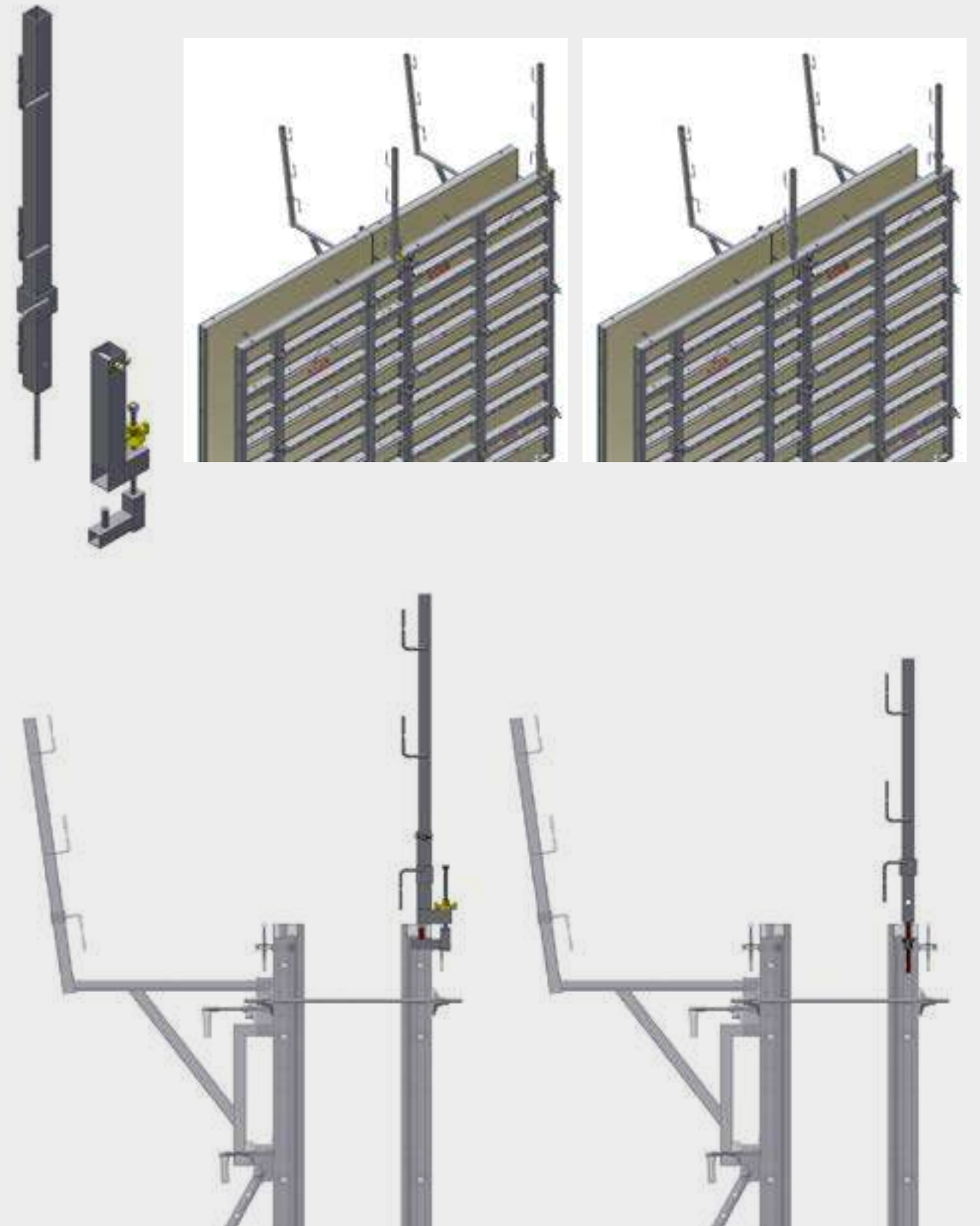


Typical wall assembly layout with plumbing struts and pouring brackets.
 SUPER DESTIL elements can be used in combination (opposite) with standard DESTIL elements due to the same tie-rod layout (same tie-rods step in height for 3300 and 2700 range).

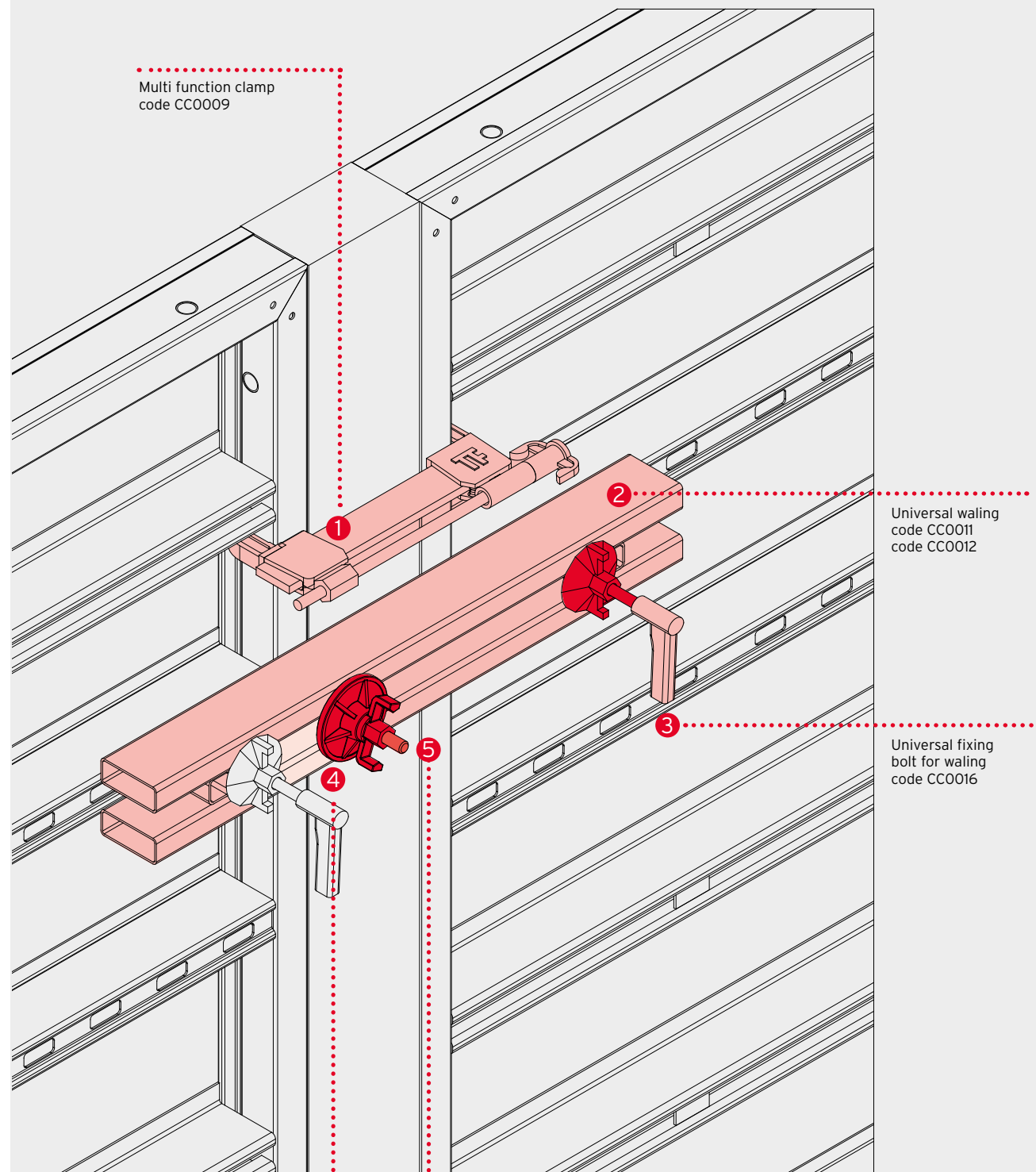


SUPER DESTIL - SLAB ACCESSORIES

SUPER DESTIL PARAPET - USE IN WALL CONFIGURATION



DESTIL FORMWORK ELEMENT CONNECTION

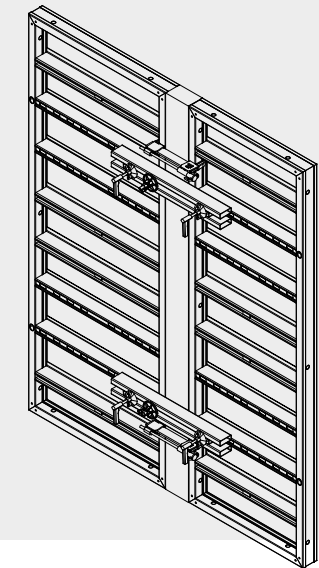
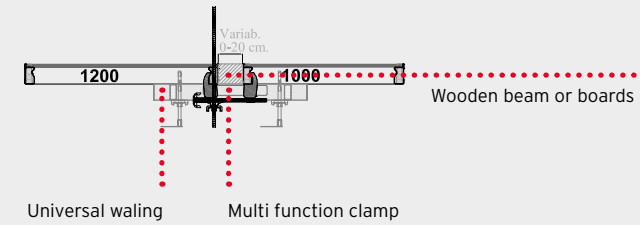


Super plate nut code CC0045

Tie rod code CC00014

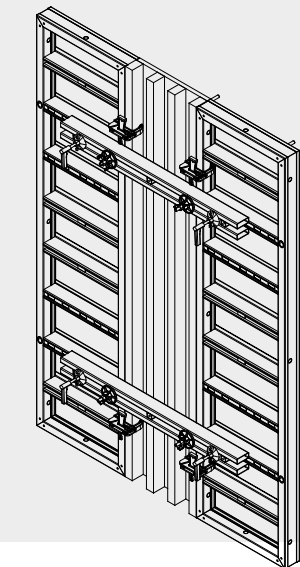
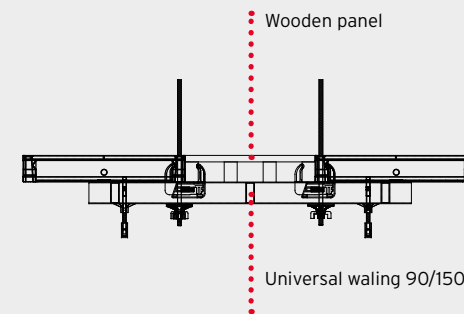
CLOSURES UP TO 200 mm

Wall compensation from 0 to 200 mm using wooden beam or wooden boards, multi function clamp for the connection of the elements and universal waling for alignment.



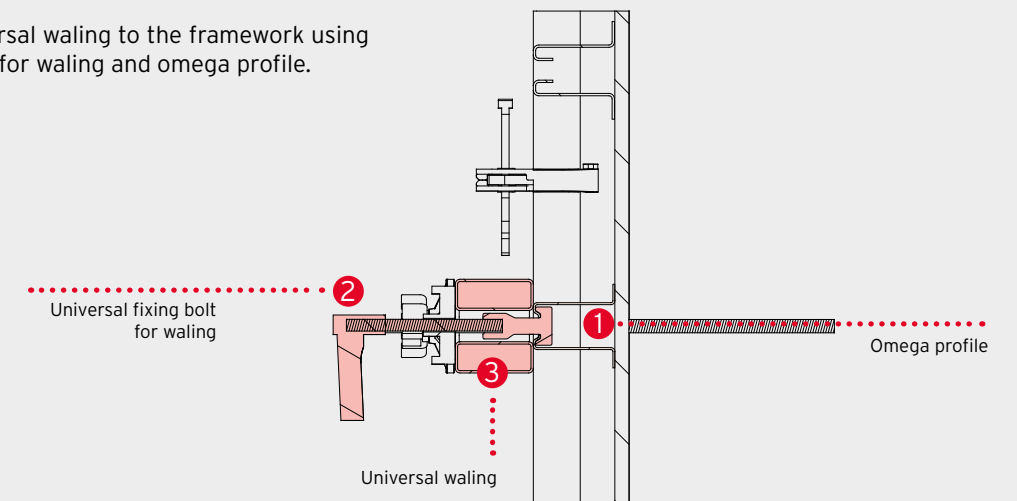
CLOSURES UP TO 600 mm

Wall compensation from 0 to 600 mm using wooden boards or wooden panels.

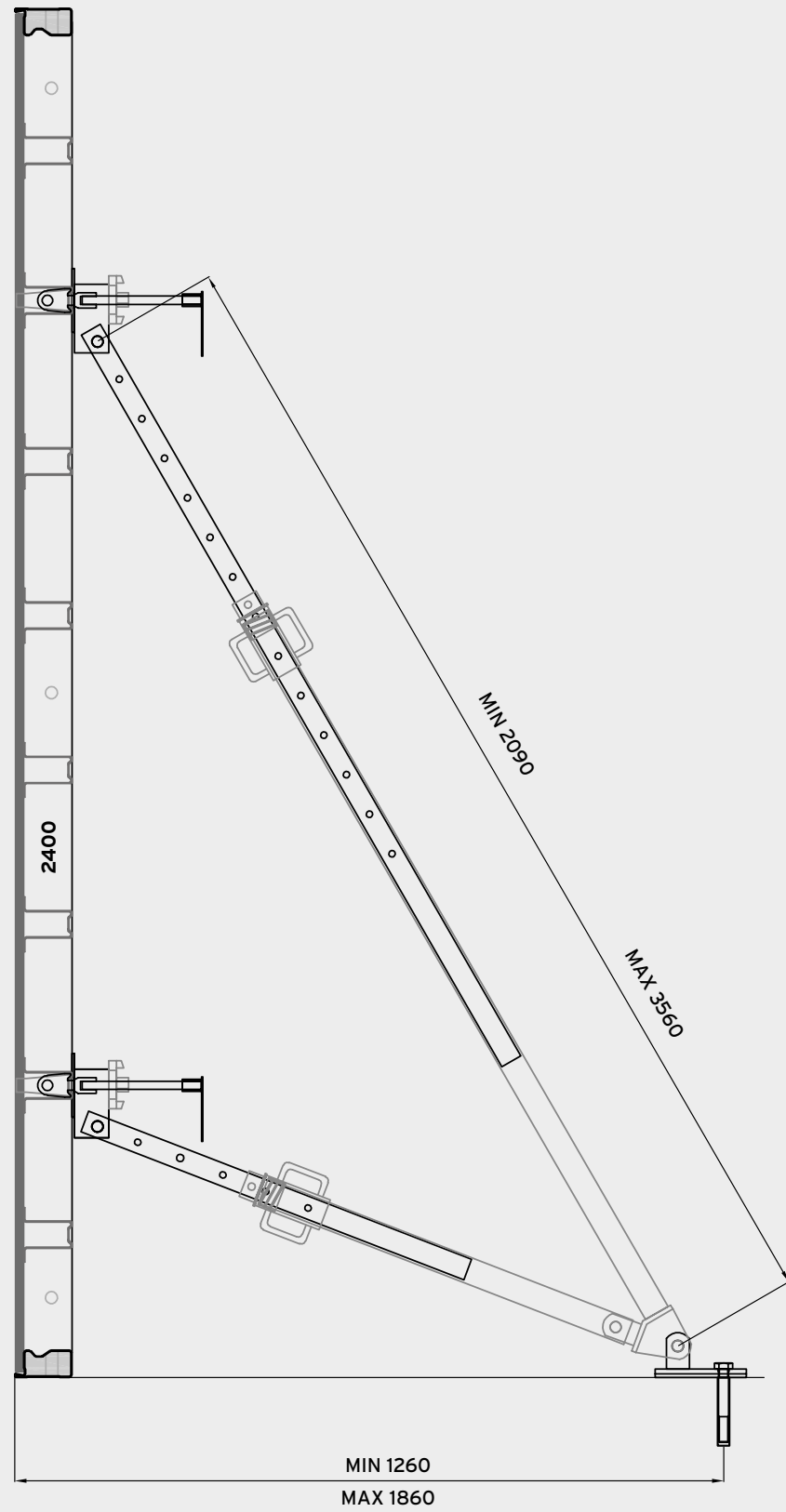


UNIVERSAL WALING DETAILS

Connection of the universal waling to the framework using the universal fixing bolt for waling and omega profile.

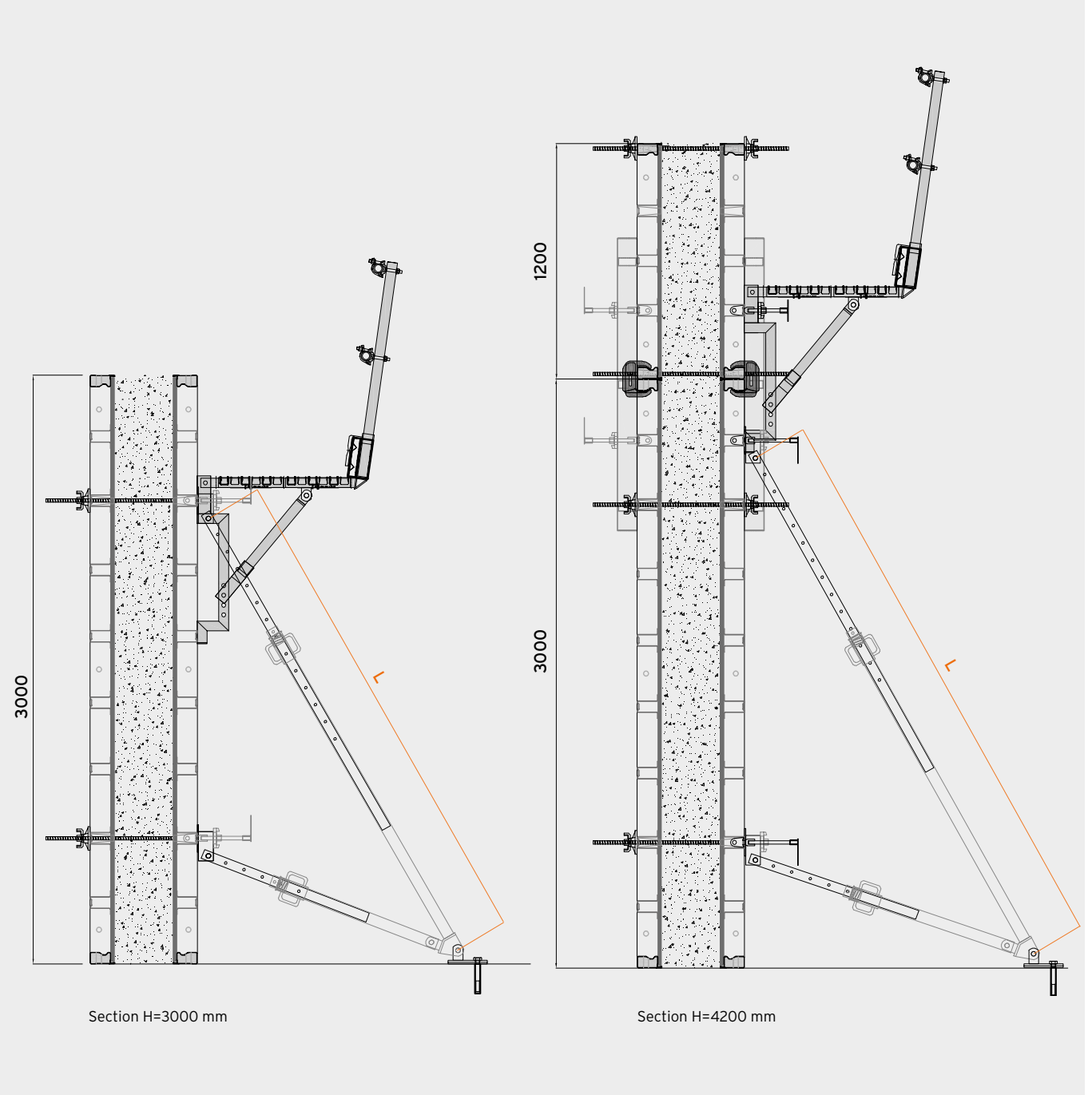


PANEL STRUTS H=3400 mm | PUSH / PULL PROPS



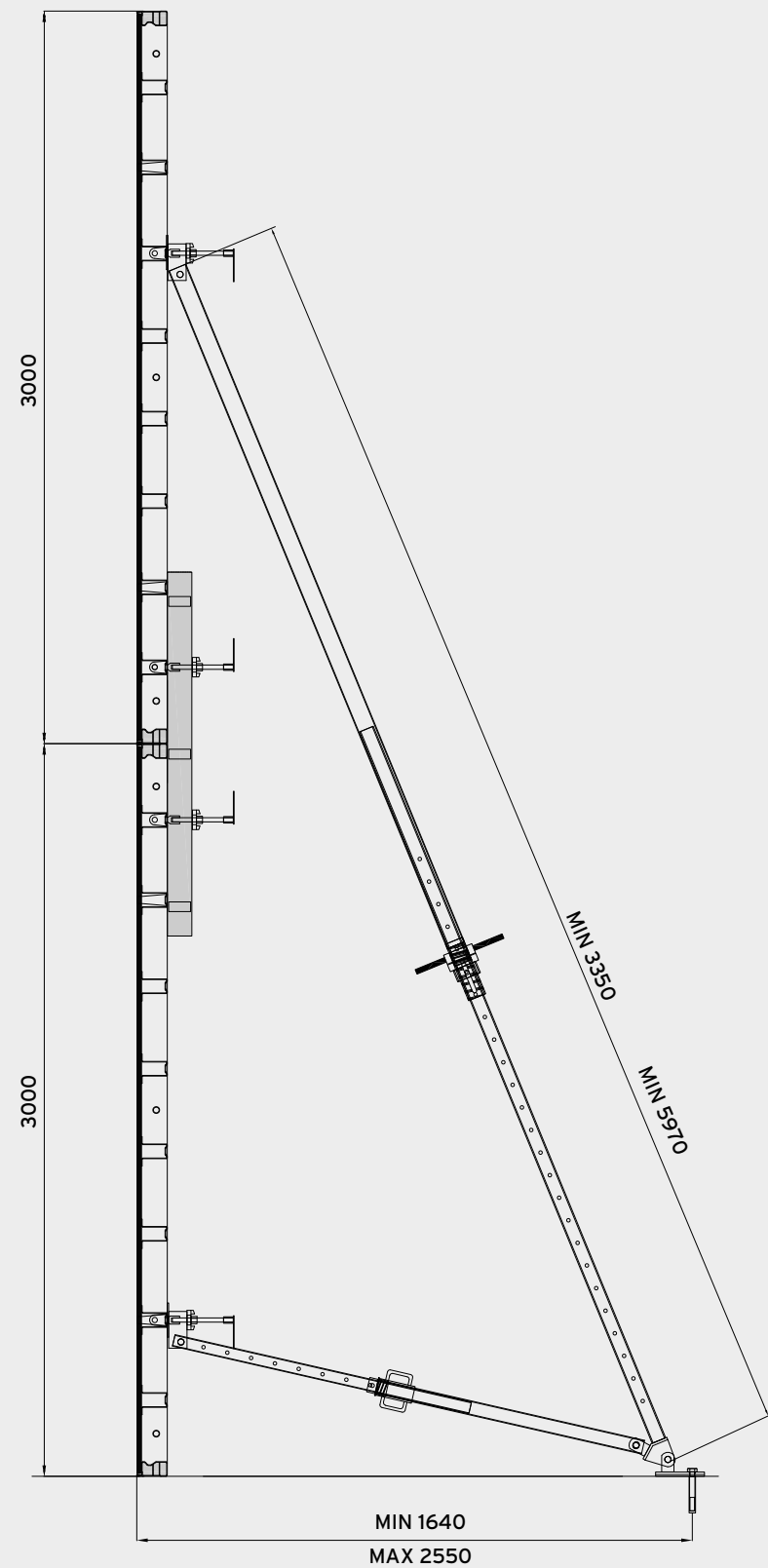
Panel struts used for plumbing and installation operations.
Panel Strut H=3400 mm: minimum and maximum possible extension.

MAXIMUM STRESS OF THE PANEL STRUT H=3400 mm | PUSH / PULL PROP



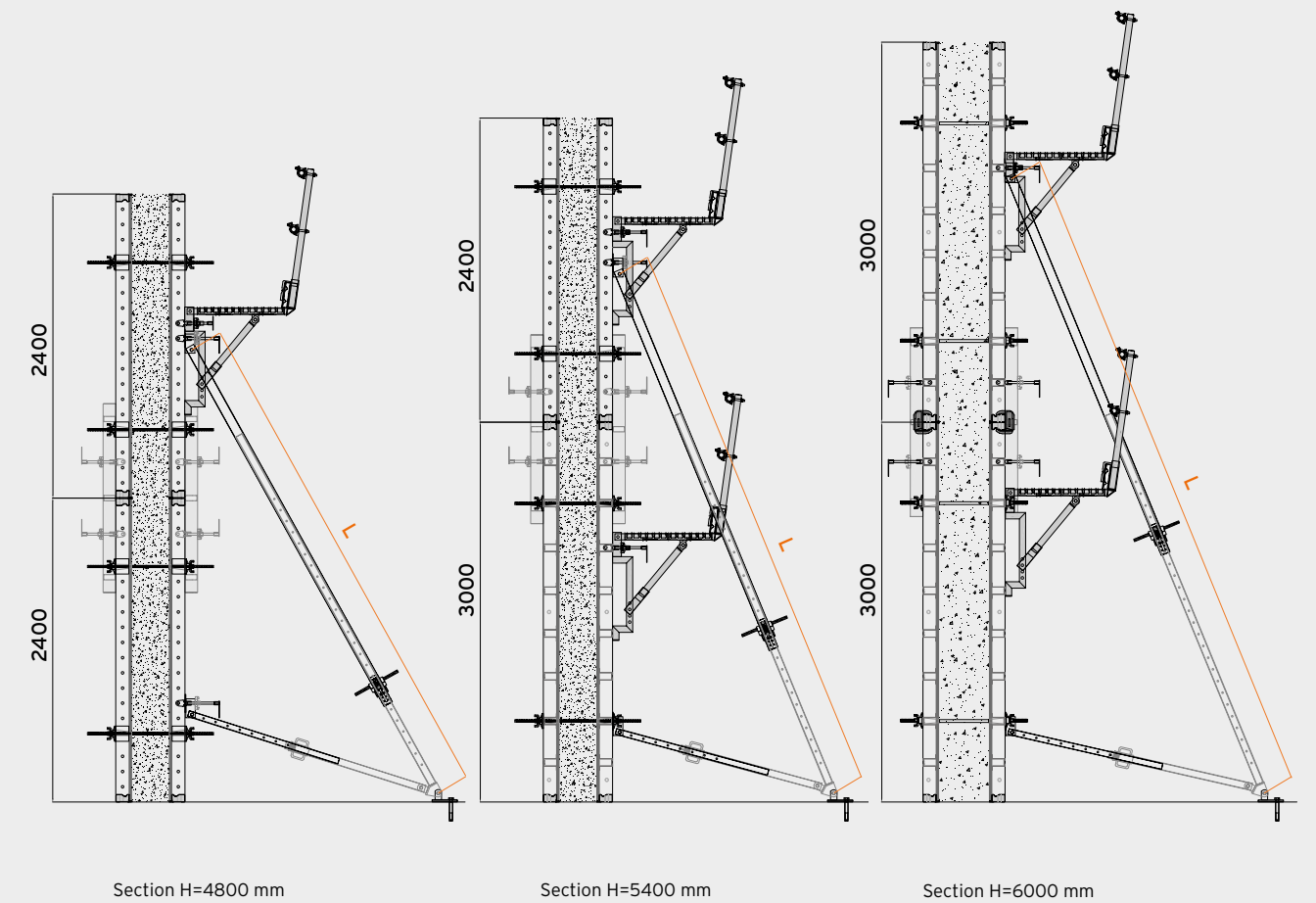
ELONGATION L (MT)	COMPRESSION EFFORT (KN)	TENSILE EFFORT (KN)
2.0	22.0	15.0
2.2	21.0	
2.4	17.5	
2.6	14.5	
2.8	12.5	
3.0	11.0	
3.2	9.5	
3.4	8.0	
3.6	7.0	

PANEL STRUTS H=5400 mm | PUSH / PULL PROP



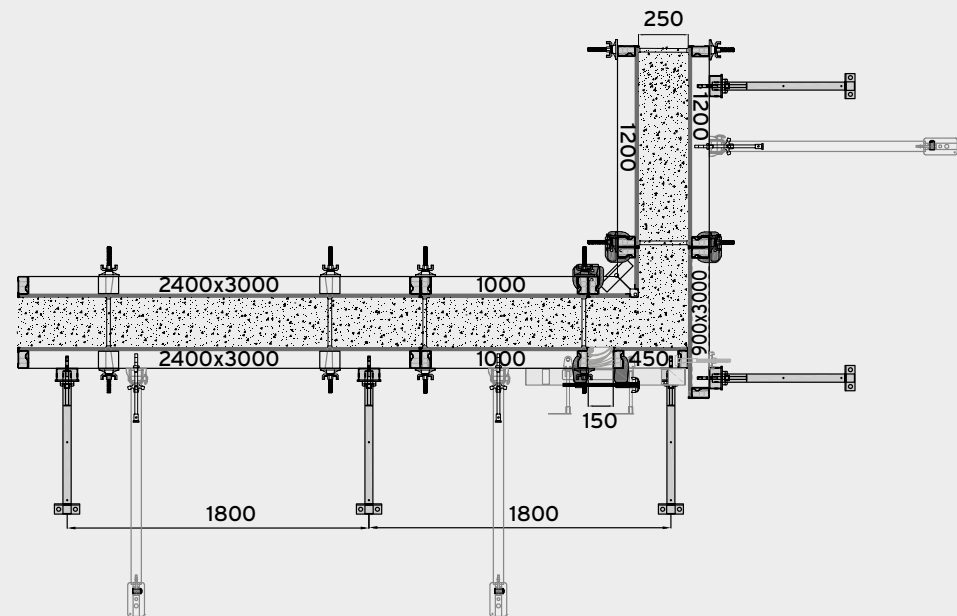
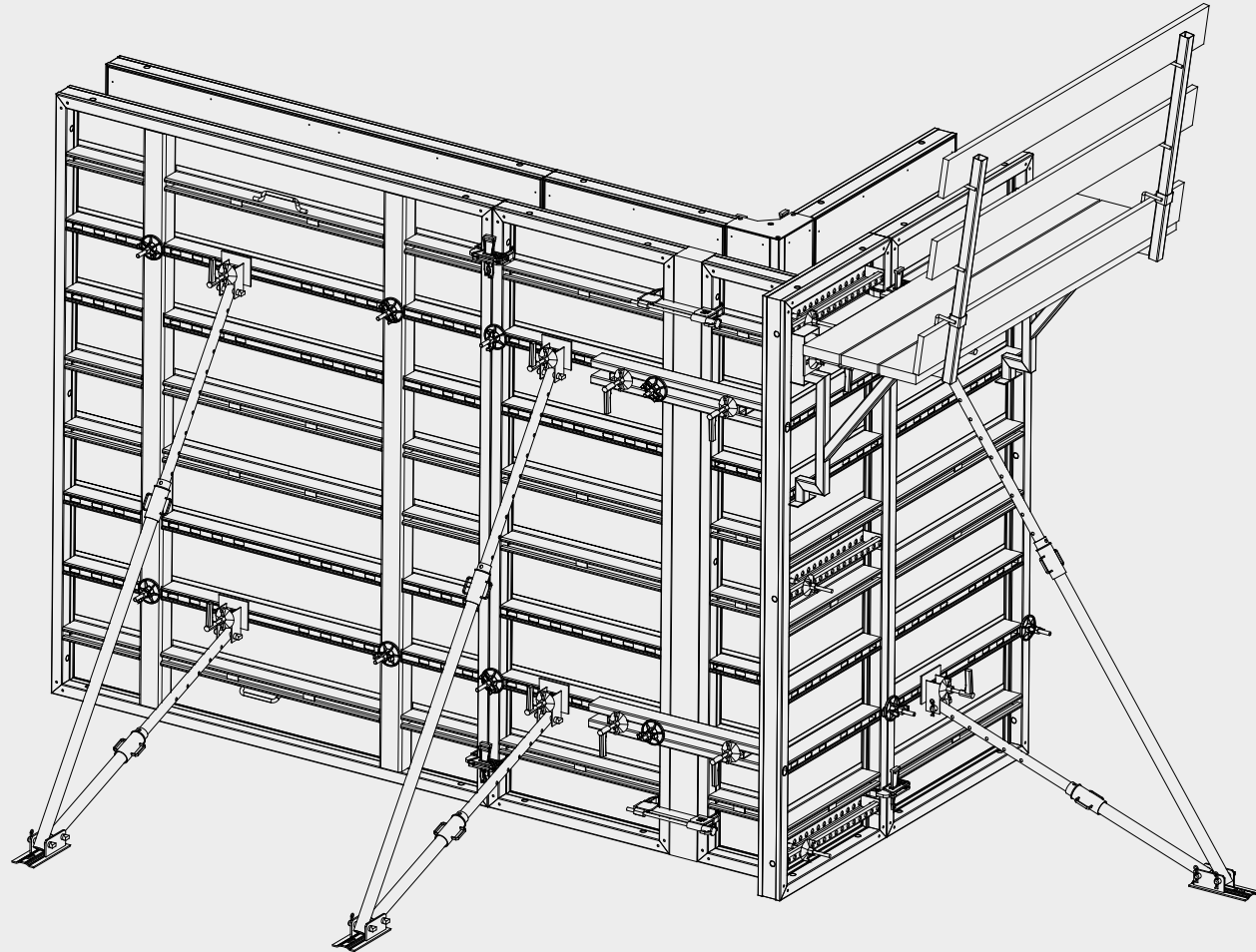
Panel struts used for plumbing and installation operations.
Panel strut H=5400 mm: minimum and maximum possible extension.

MAXIMUM STRESS OF THE PANEL STRUT H=5400 mm | PUSH PULL PROP

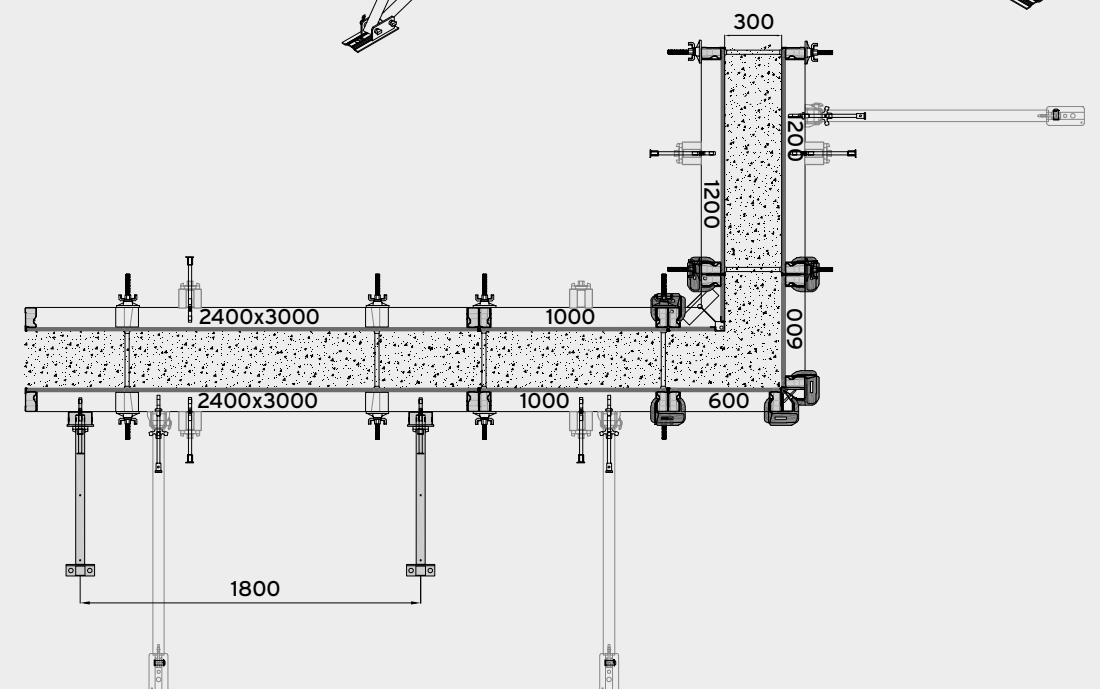
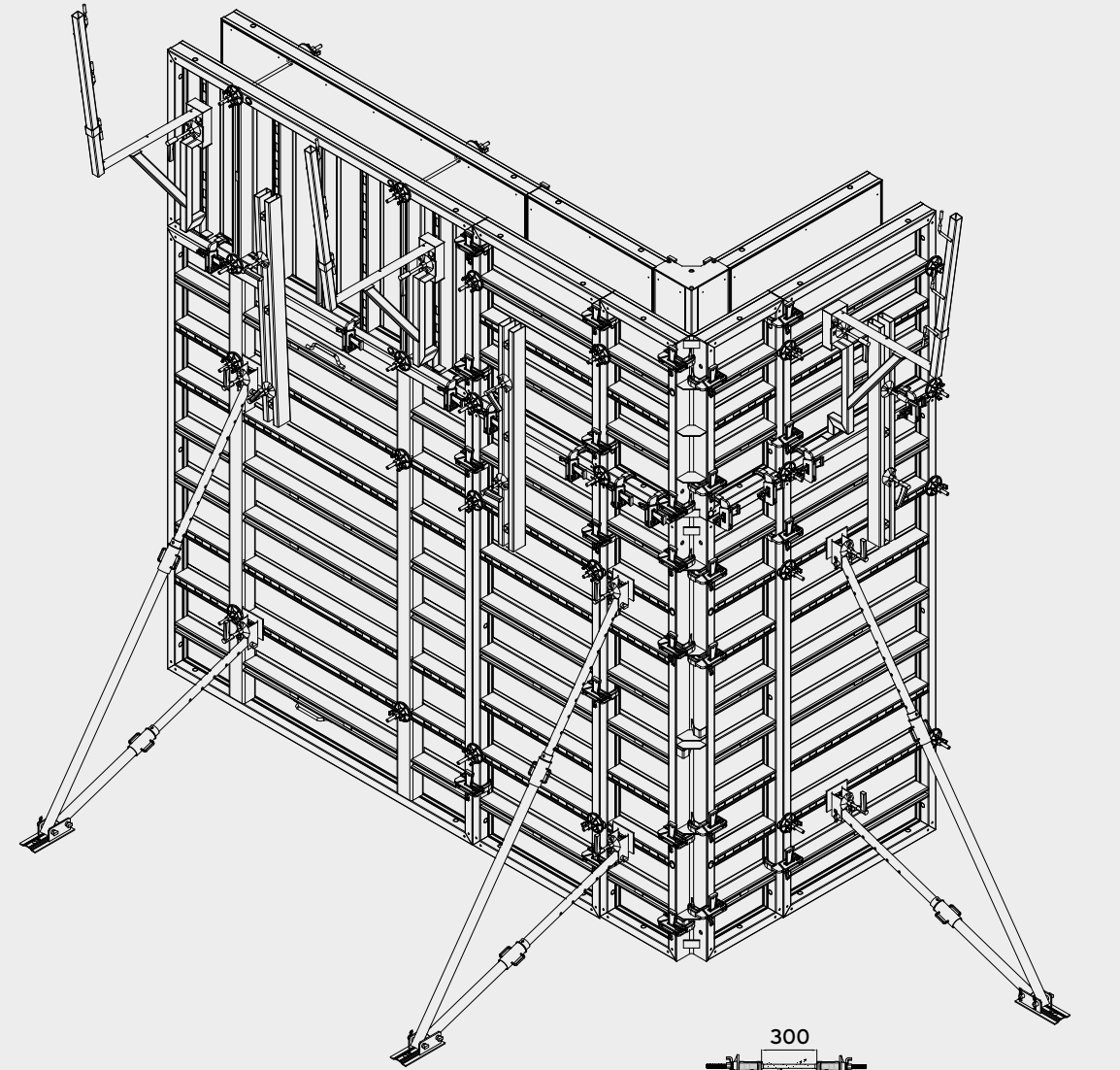


ELONGATION L (MT)	COMPRESSION EFFORT (KN)	TENSILE EFFORT (KN)
3.4	30.0	30.0
3.6	30.0	
3.8	25.0	
4.0	21.5	
4.2	19.0	
4.4	16.5	
4.6	15.0	
4.8	13.5	
5.0	12.0	
5.2	11.0	
5.4	10.0	
5.6	8.8	
5.8	7.5	
6.0	6.0	

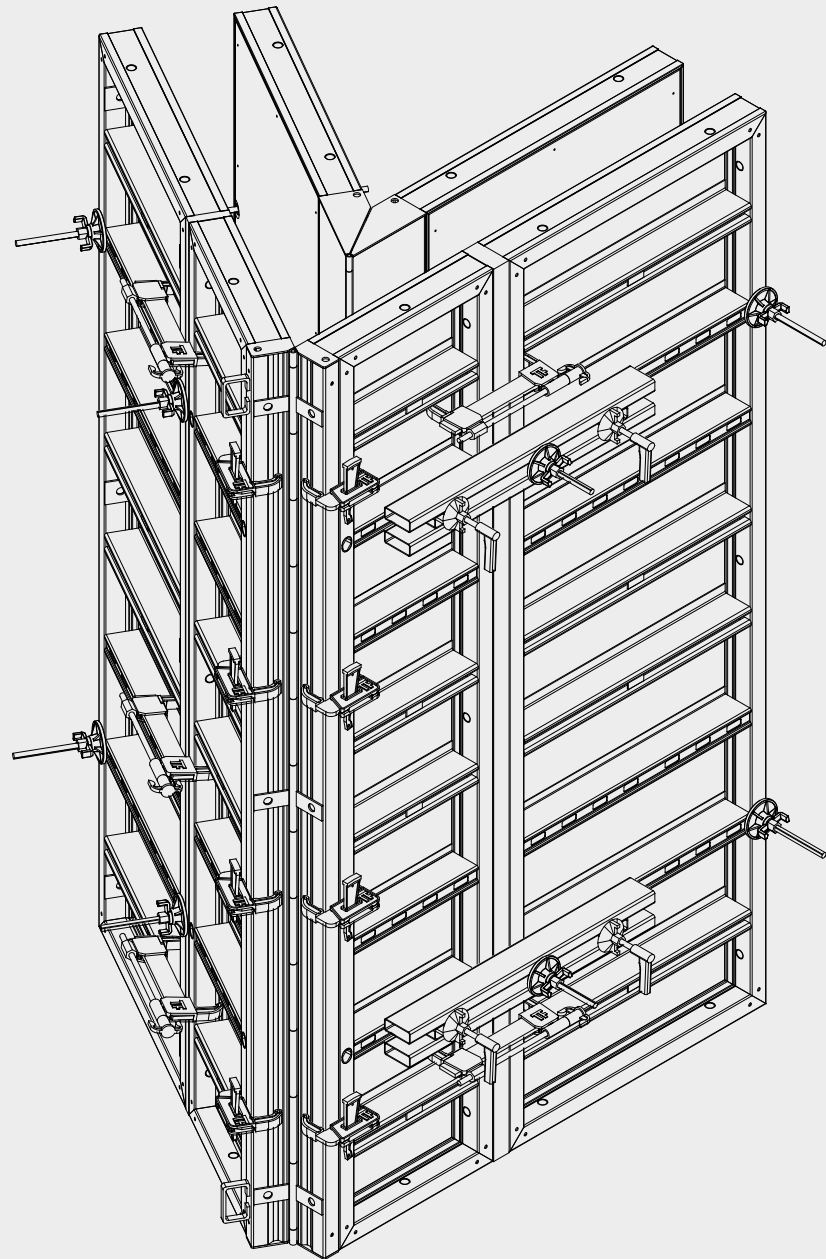
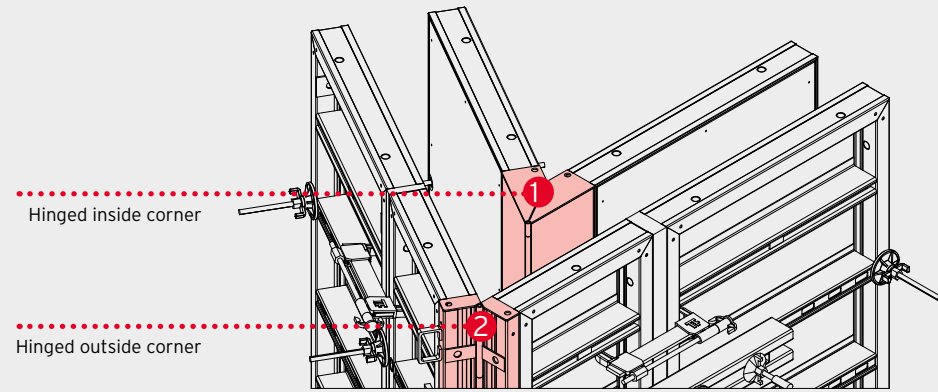
90° ANGLE USING UNIVERSAL FORMWORK MODULE (900) AND COMPENSATION



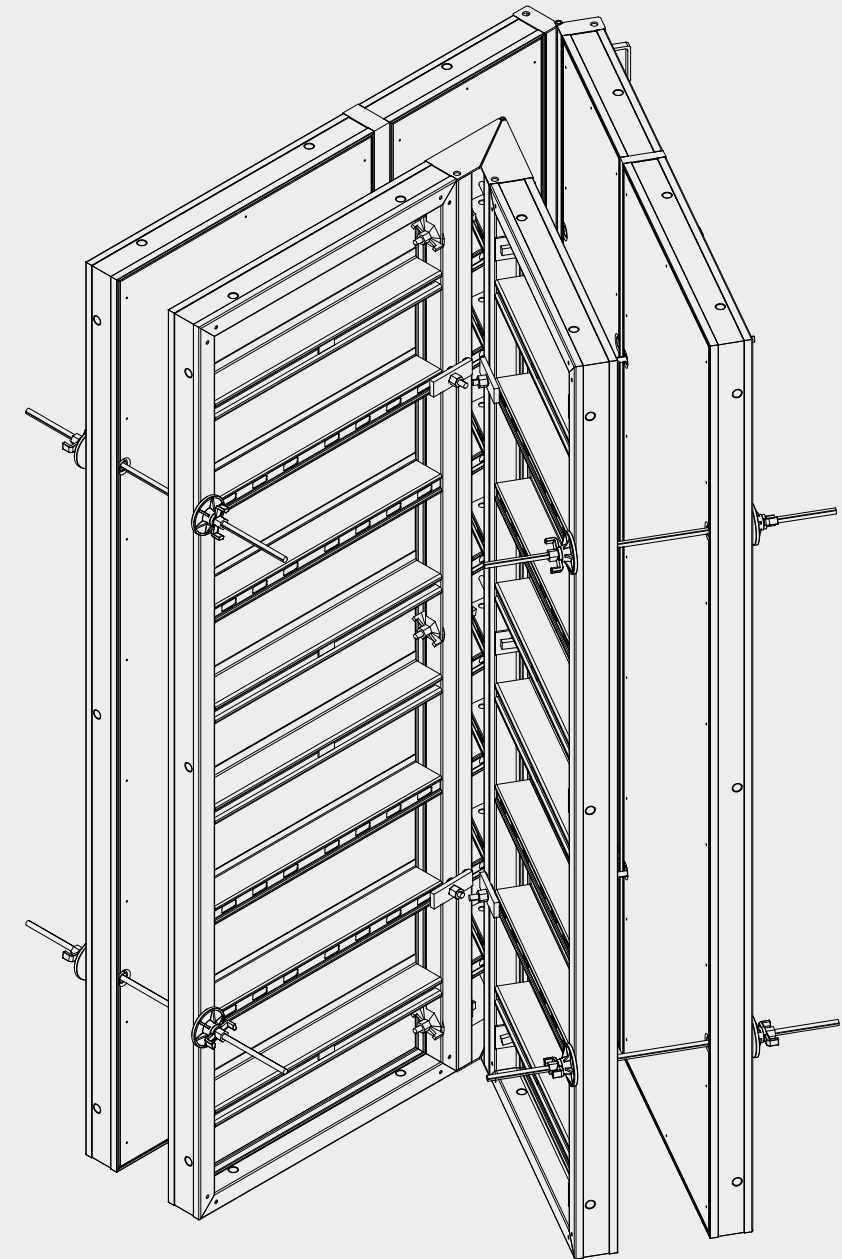
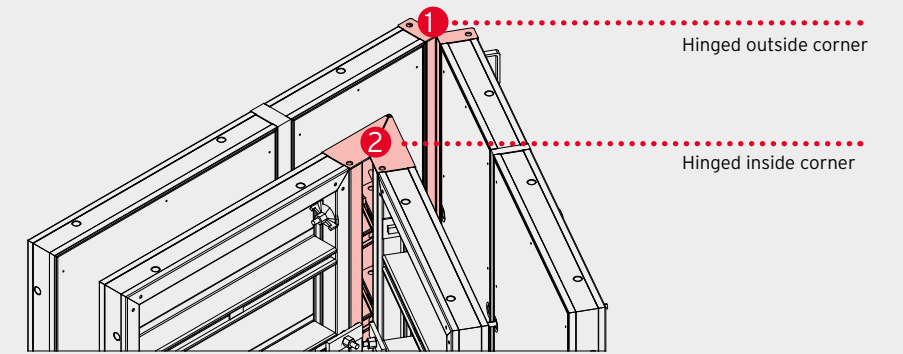
90° ANGLE WITHOUT COMPENSATION (USING ANGULAR FORMWORK ELEMENTS)



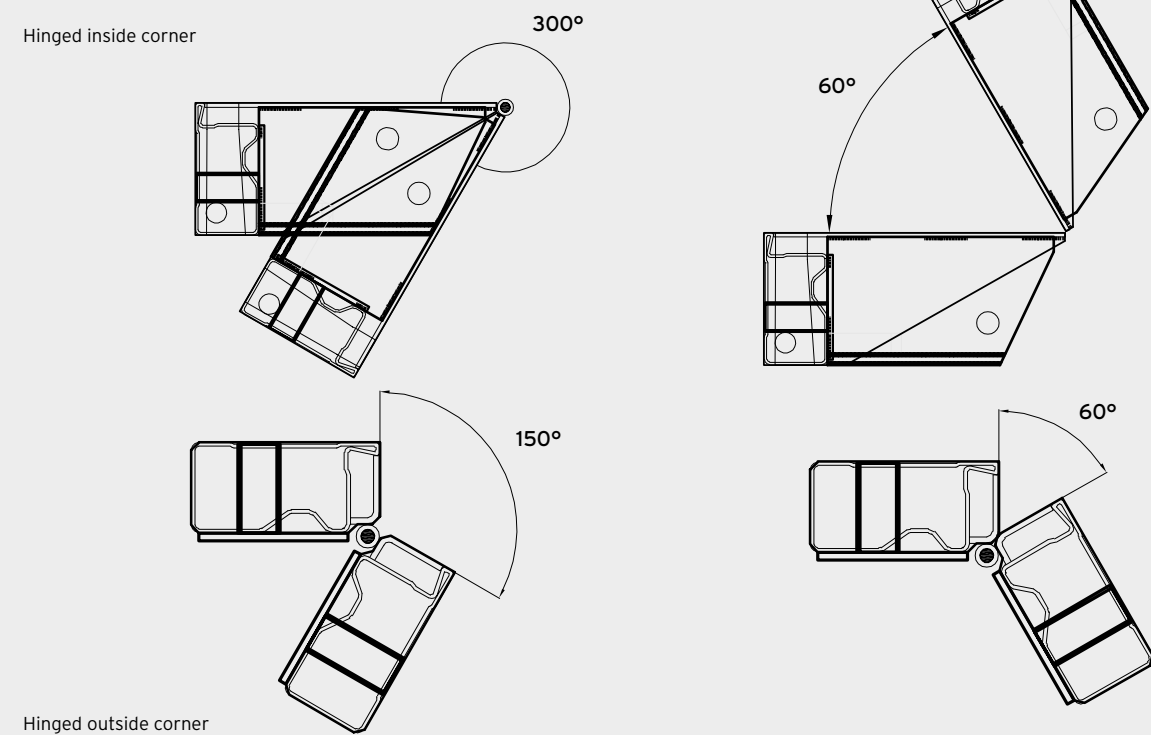
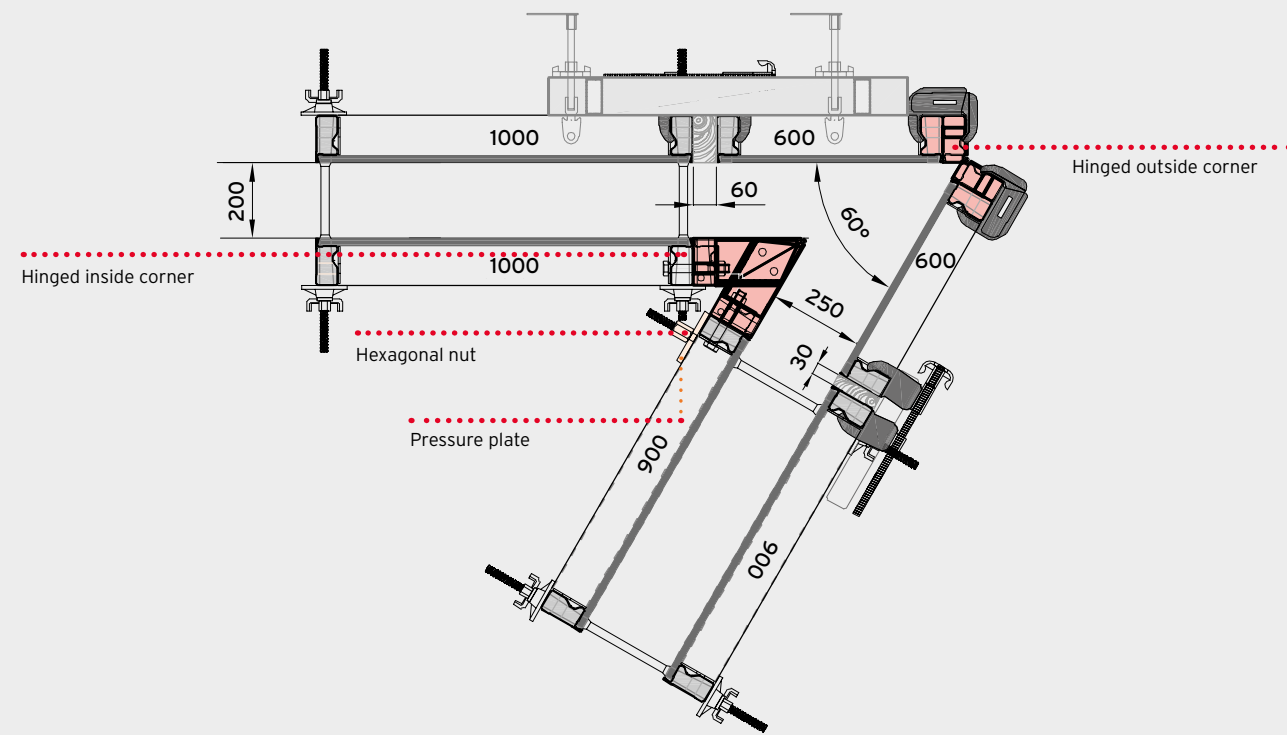
EXAMPLE OF ACUTE ANGLE



EXAMPLE OF ACUTE ANGLE

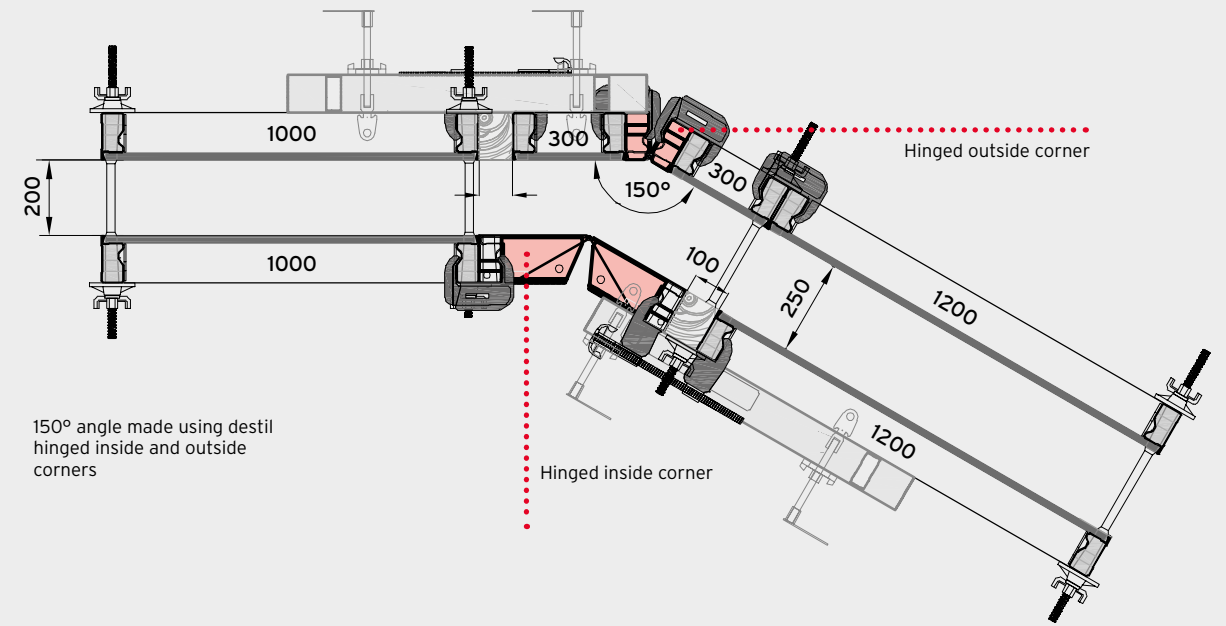


EXAMPLE OF 60° ANGLE

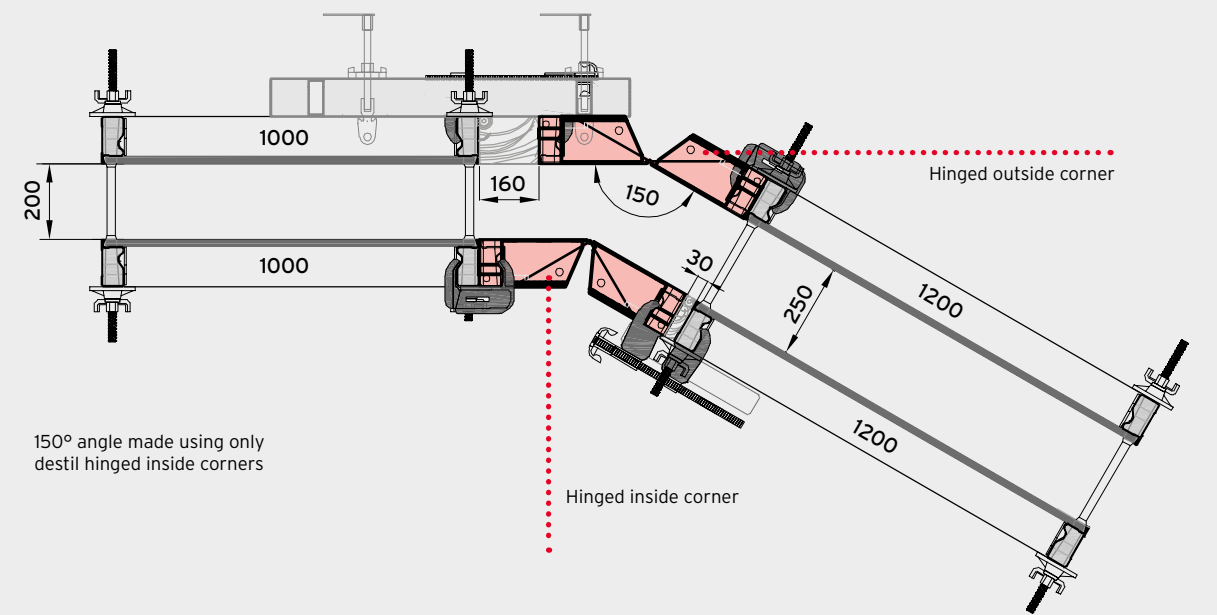


60° angle made using destil hinged inside and outside corners.

150° ANGLE



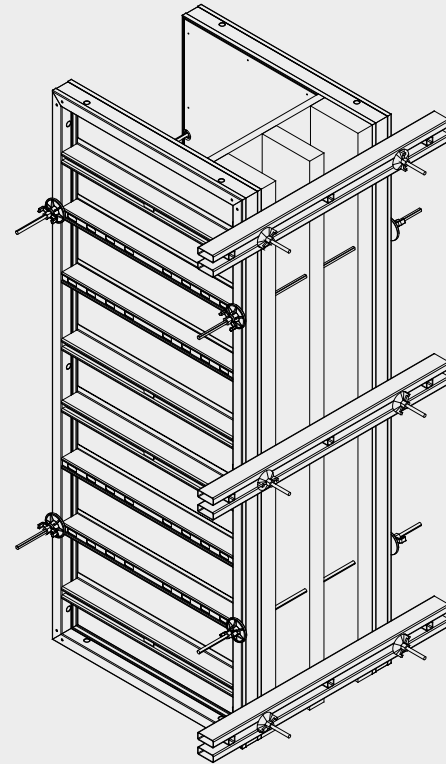
150° angle made using destil hinged inside and outside corners



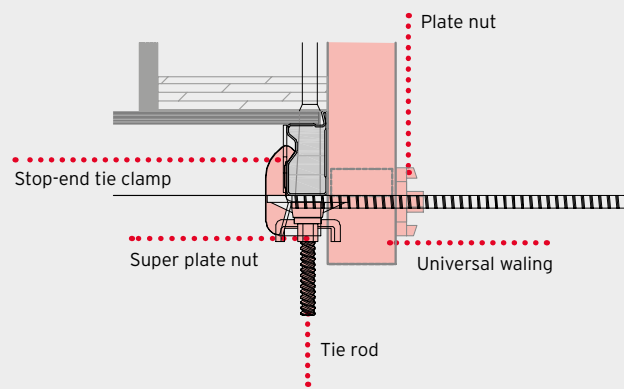
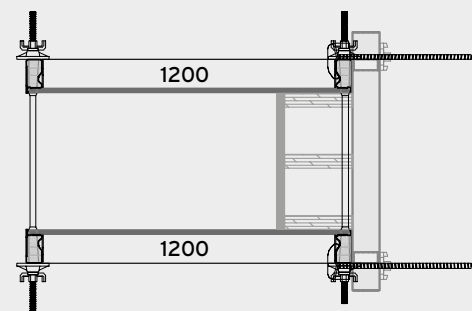
150° angle made using only destil hinged inside corners

STOP ENDS BY UNIVERSAL WALING

Closure using universal waling and stop-end tie clamp.

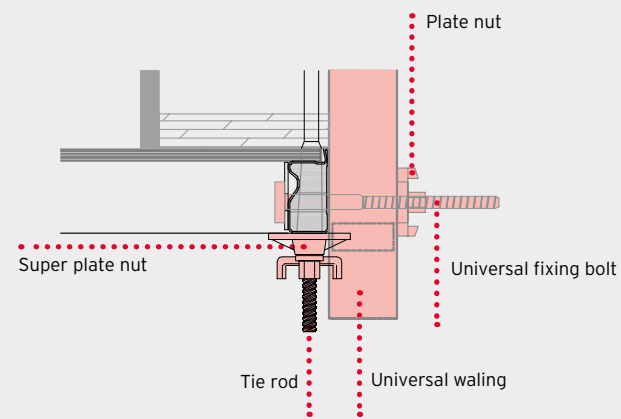
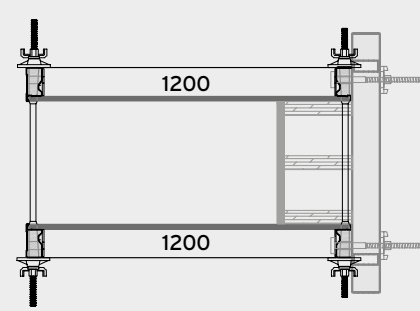


CLOSURE



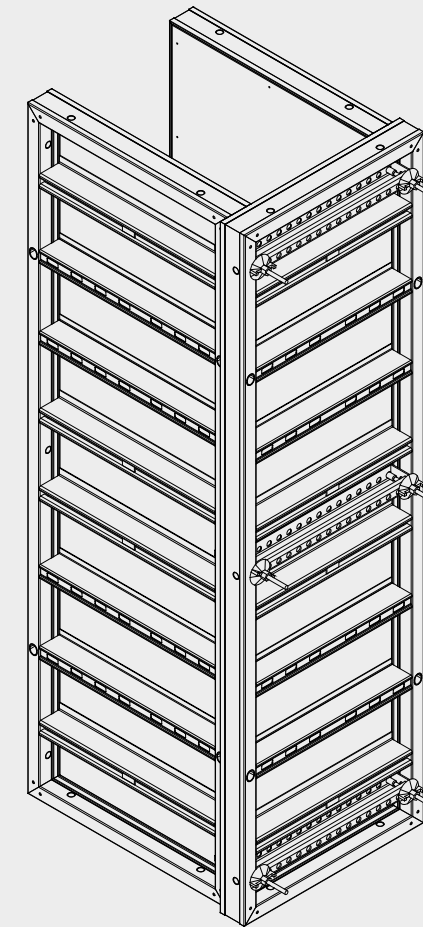
Closure of parallel formwork with wooden panels and wooden boards.

CLOSURE

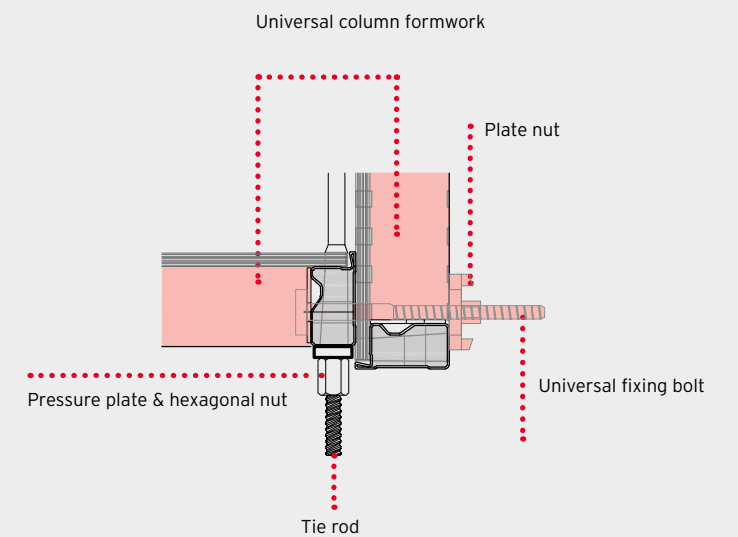
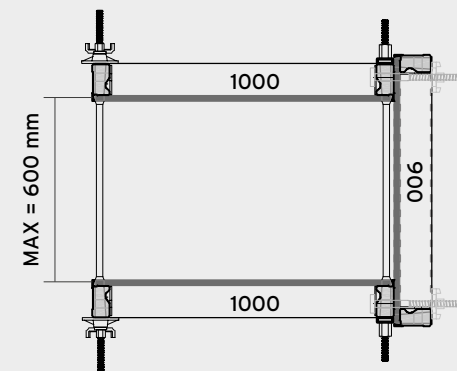


Closure using universal waling and universal fixing bolt.

STOP ENDS BY UNIVERSAL ELEMENT



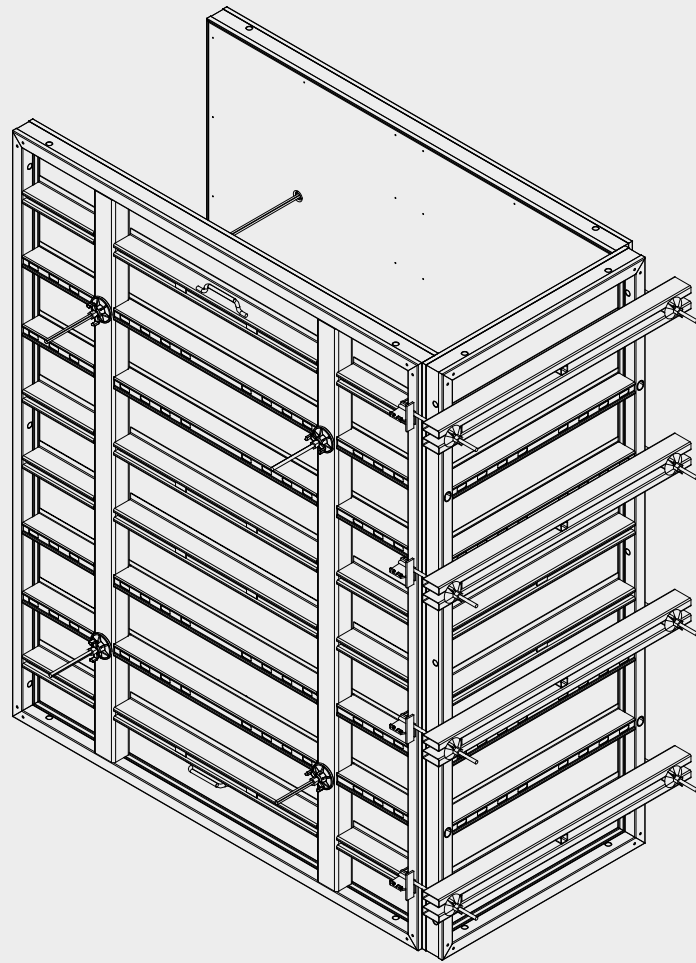
Closure using universal fixing bolt



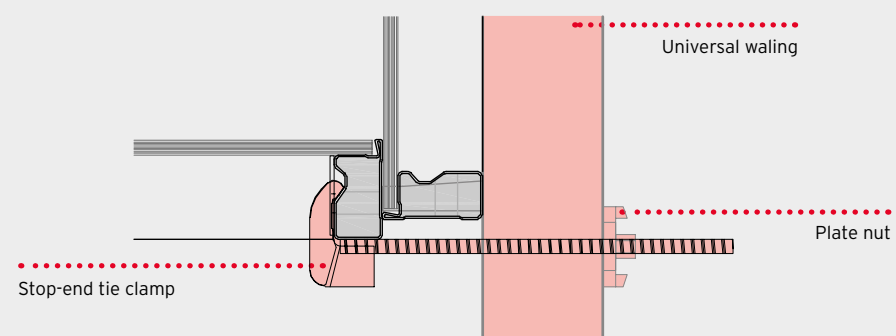
For fixing the universal column formwork every lateral hole of formwork module should be used

Closure of parallel formwork with universal column formwork.

STOP ENDS BY STANDARD ELEMENT & UNIVERSAL WALING

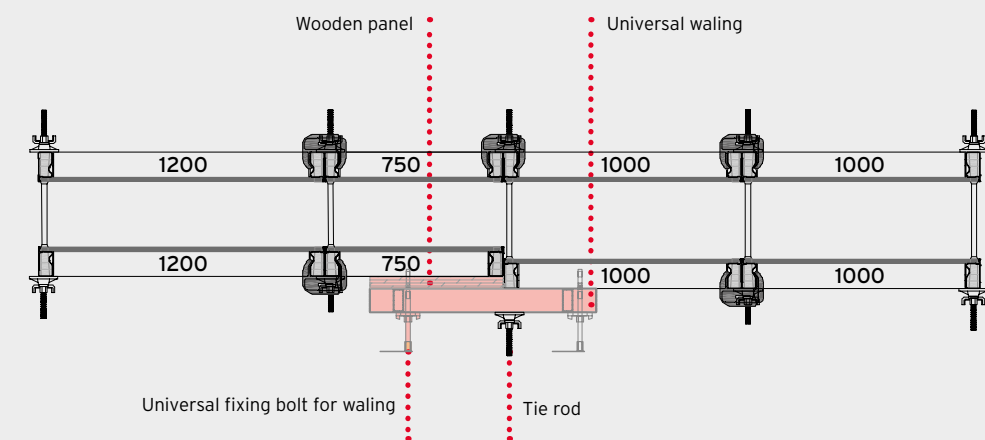
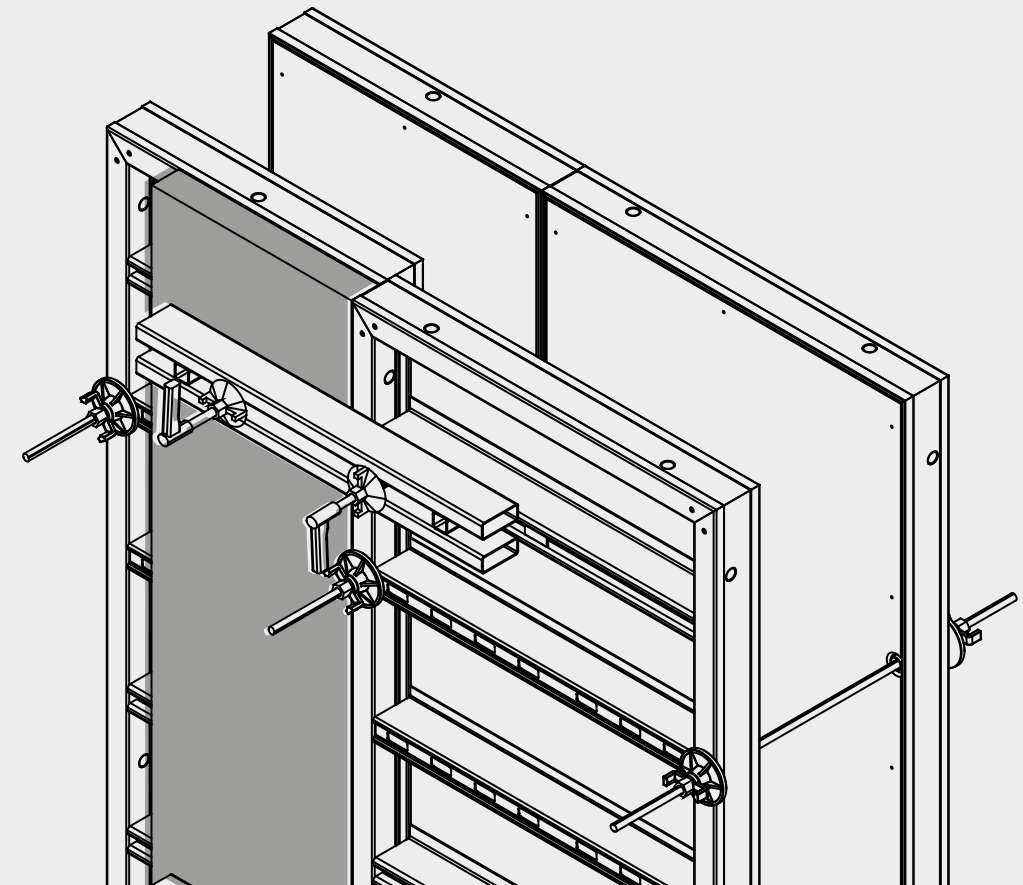


Closure using universal waling and stop-end tie clamp



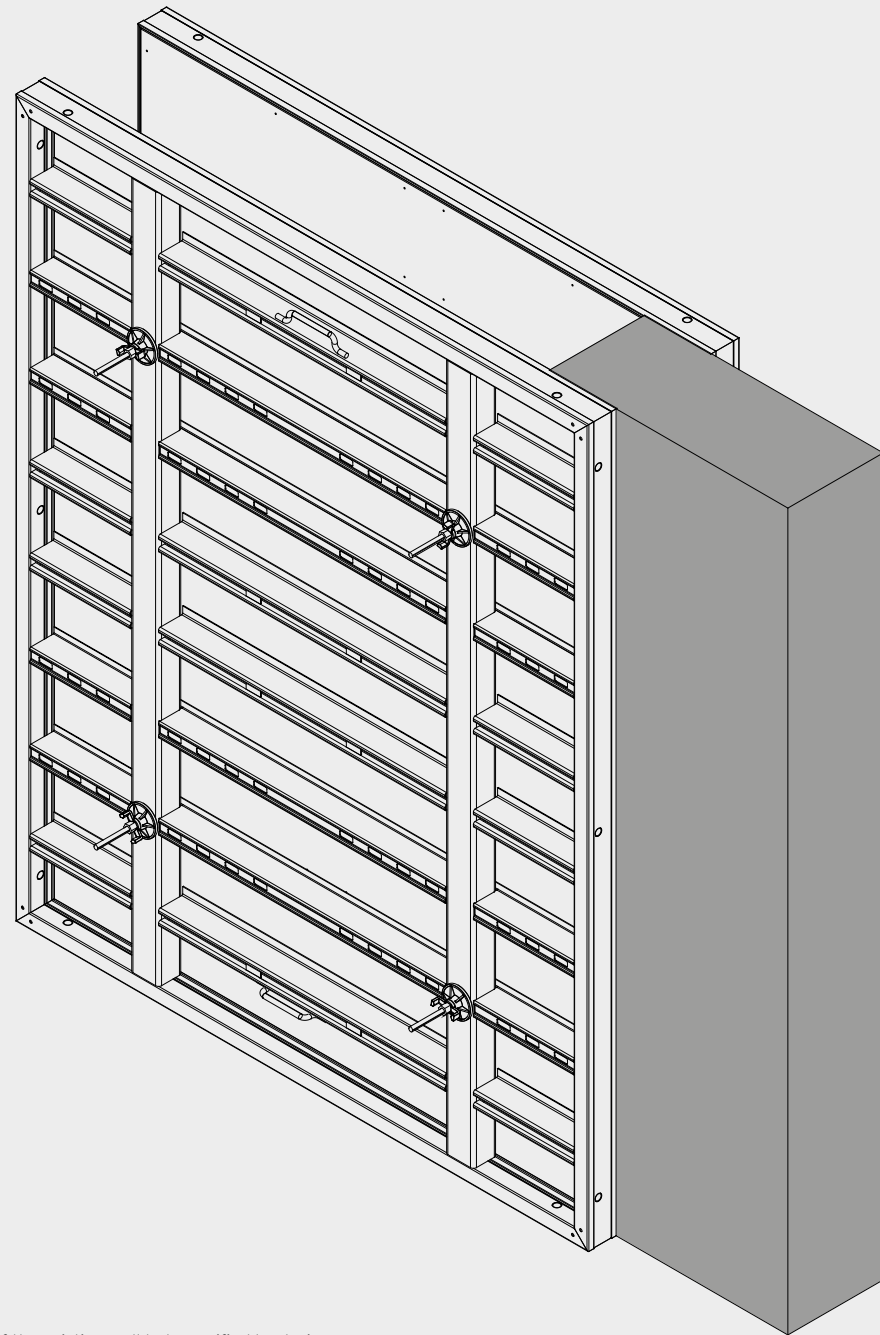
Closure of parallel formwork with wall formwork.

WALL OFFSET SOLUTION

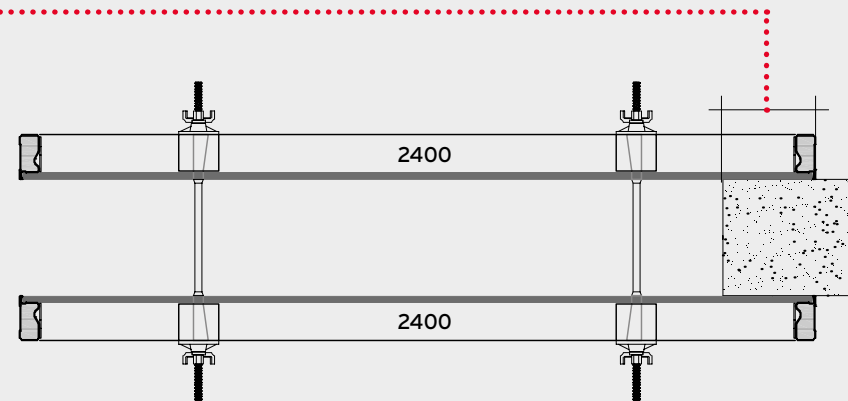


Example of formwork connection with different wall thickness.

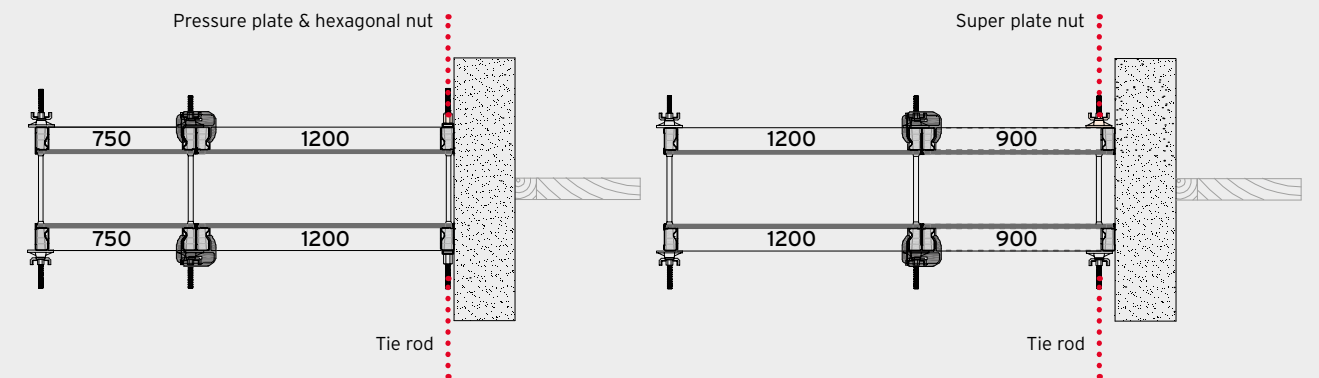
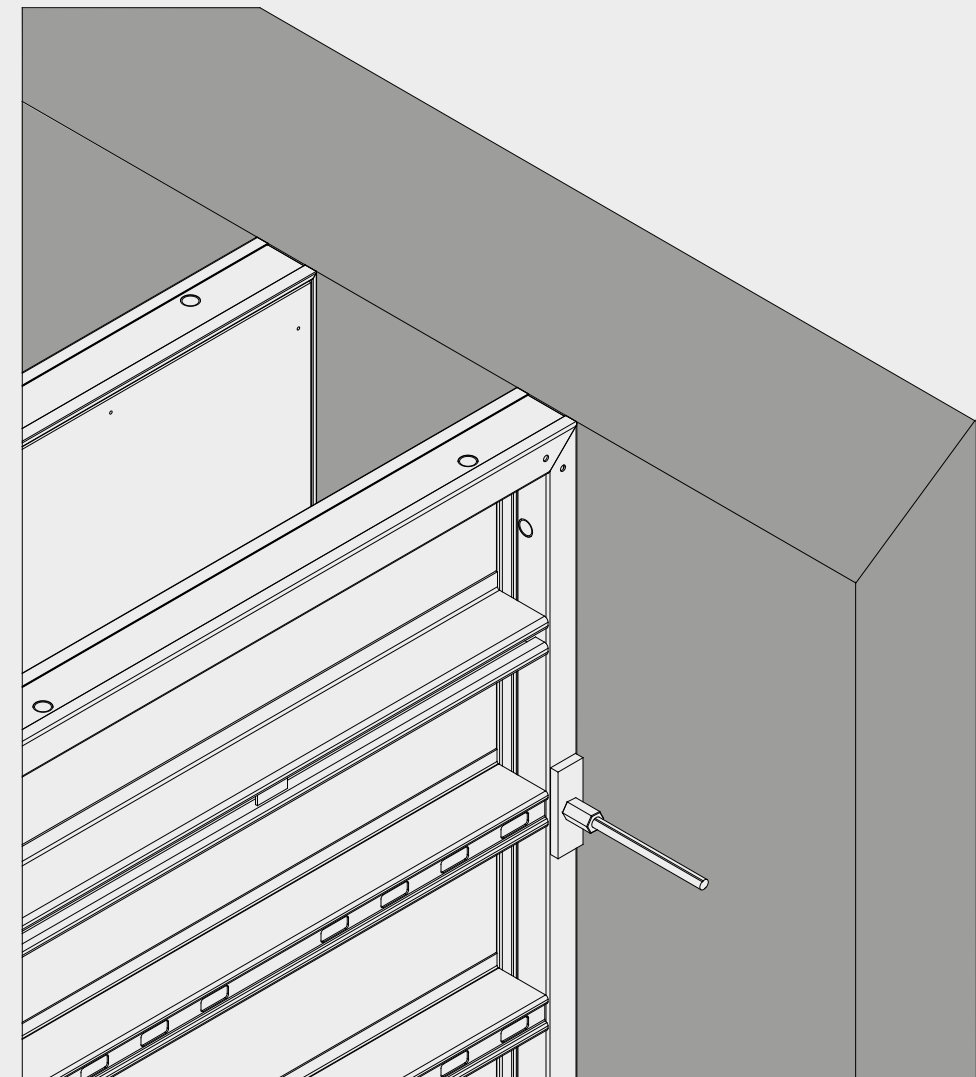
CONNECTION WITH EXISTING WALL



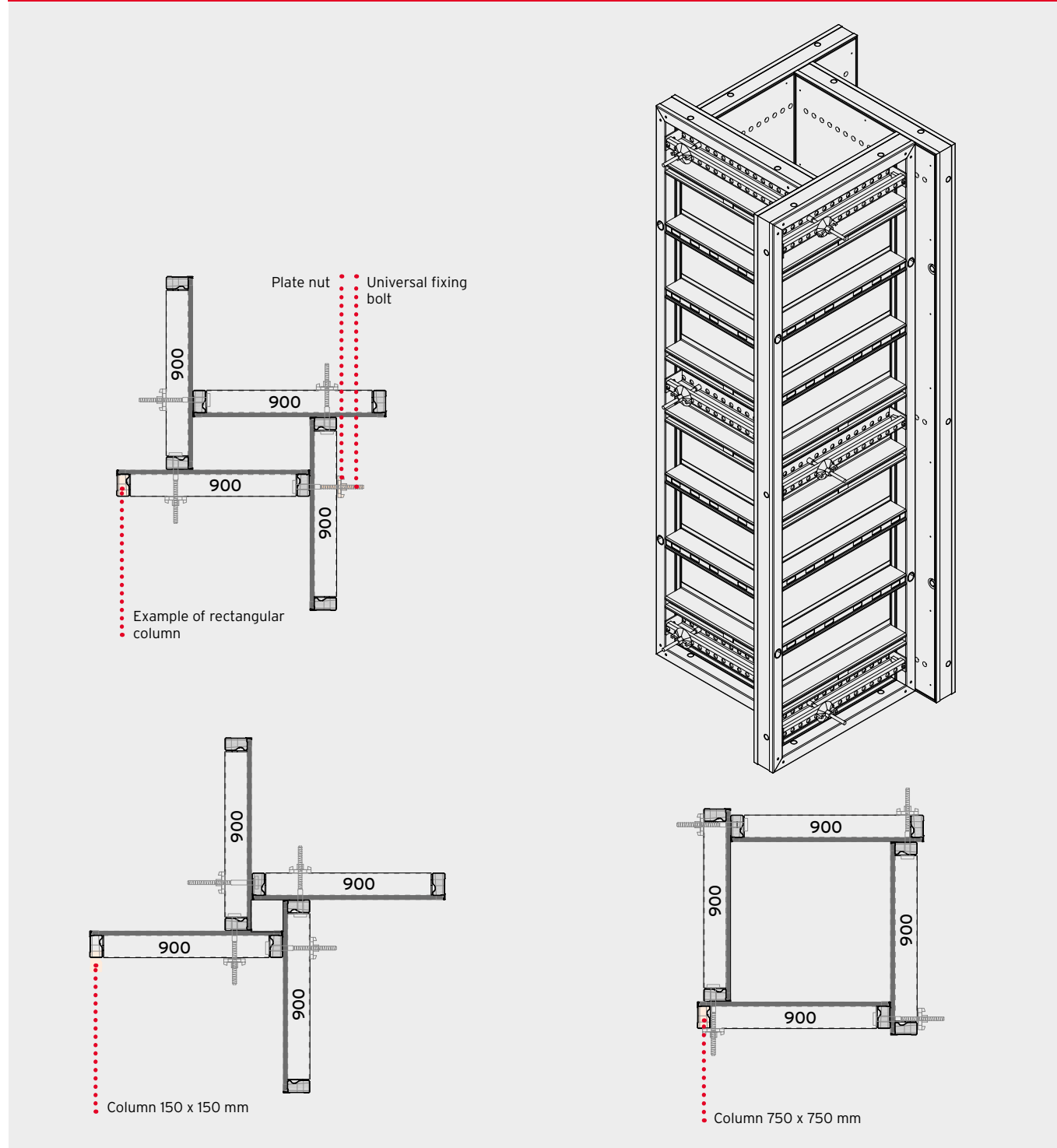
Overlapping distance of the existing wall to be verified by designer



T-CONNECTION WITH EXISTING WALL

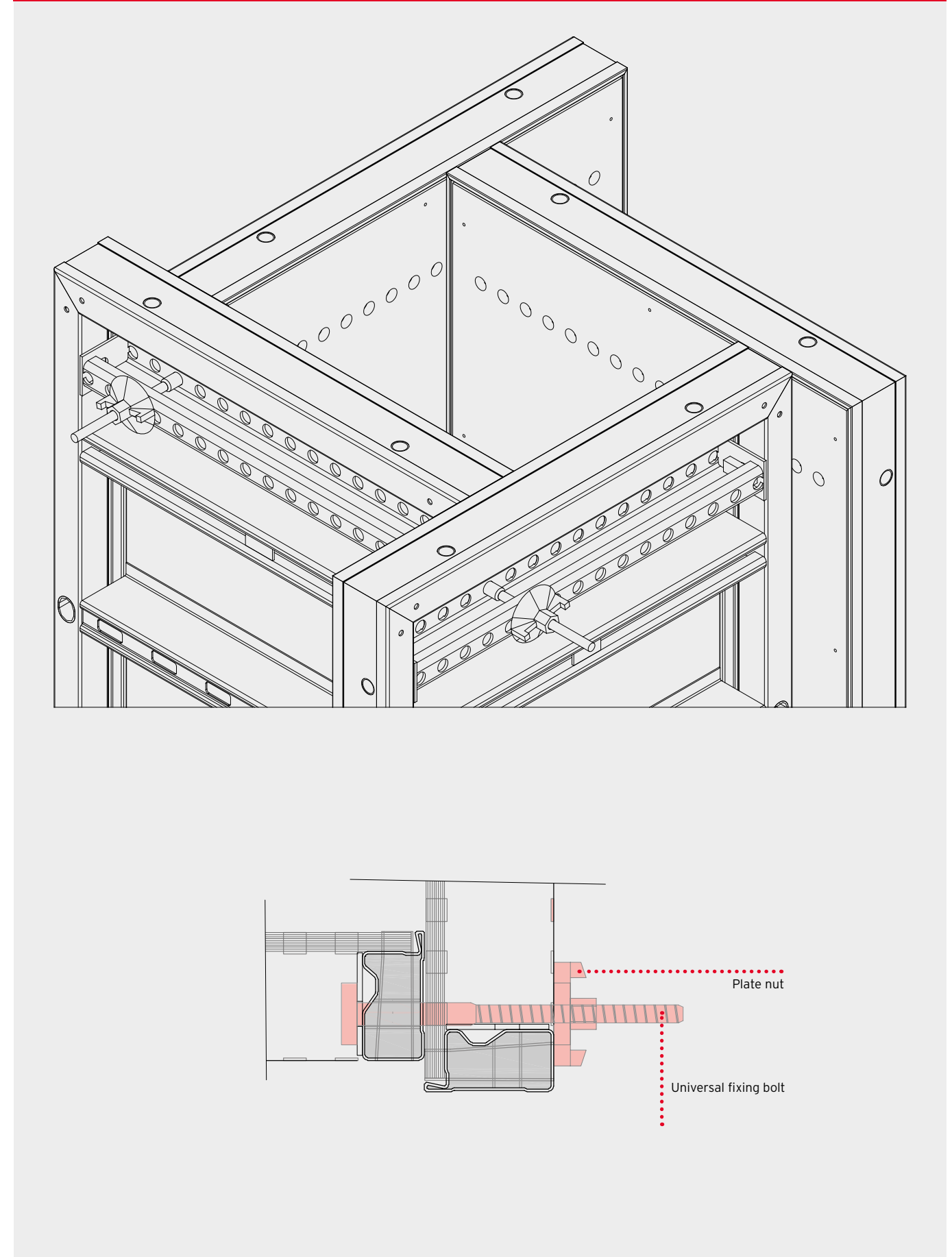


UNIVERSAL COLUMN FORMWORK

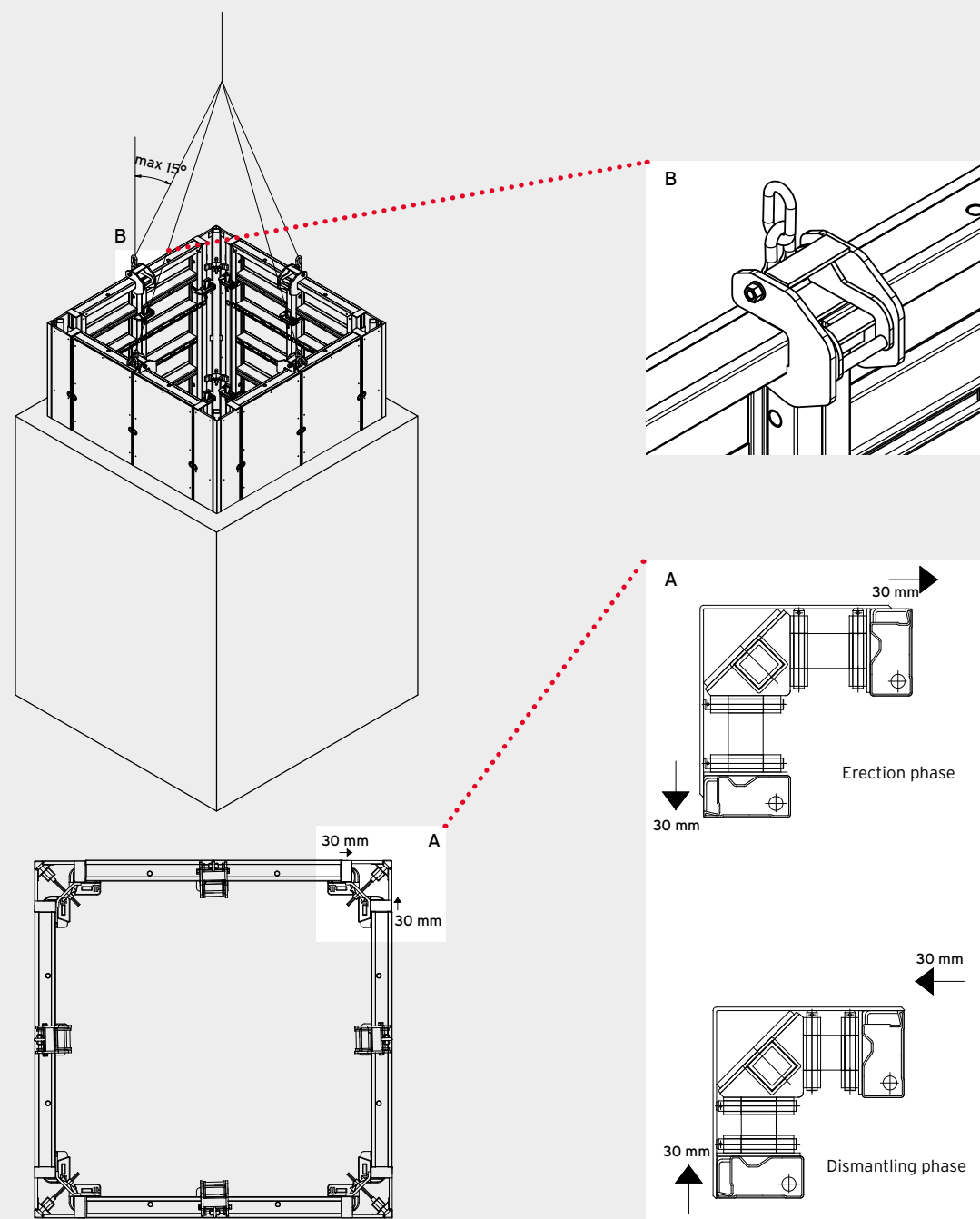


Even for universal framed panels for column formwork, Destil offers a wide range of possibilities. Universal elements are available in the following sizes:
 In heights 3300/3000/2700/1800/1350 and 1200 mm
 In widths 1350/1200 and 900 mm.
 They permit constructing columns of different dimensions, from 150 x 150 mm up to 750 x 750 mm using 900 mm panels and up to 1050 x 1050 using 1200 mm panels. 1200 x 1200 mm, using 1350 mm panels for fixing and anchoring the formwork the universal fixing bolt and plate nut is used.

FIXING DETAILS

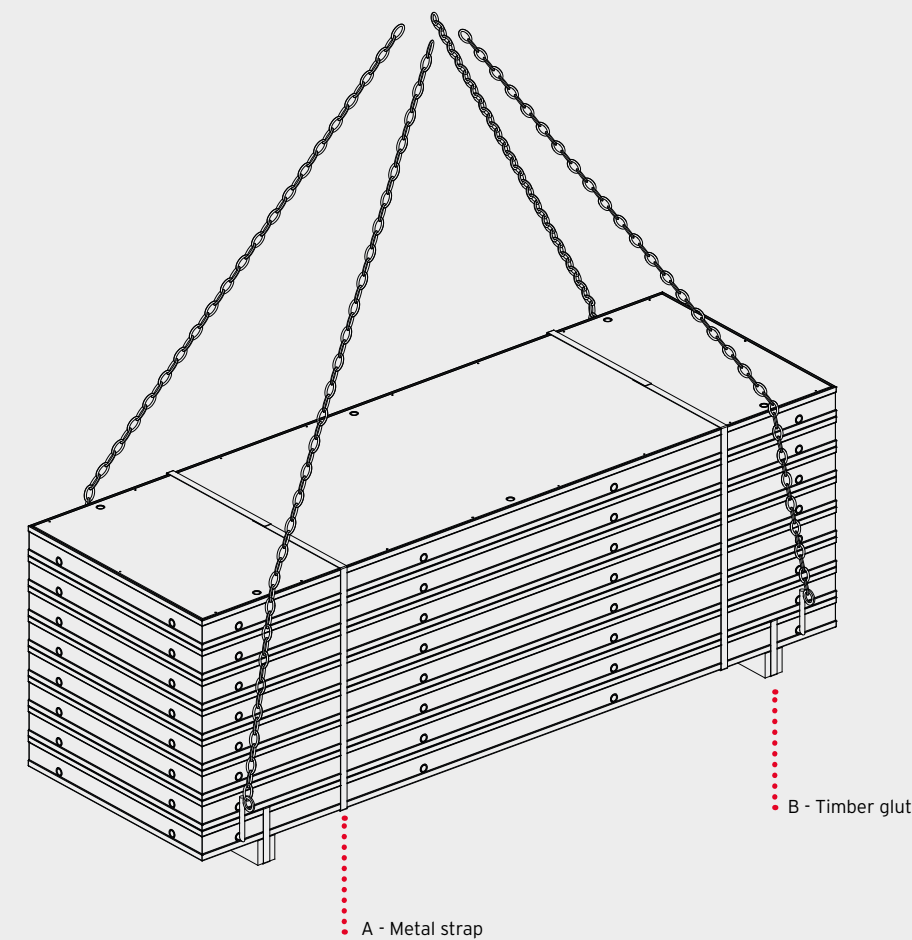


SHAFT REMOVING CORNER

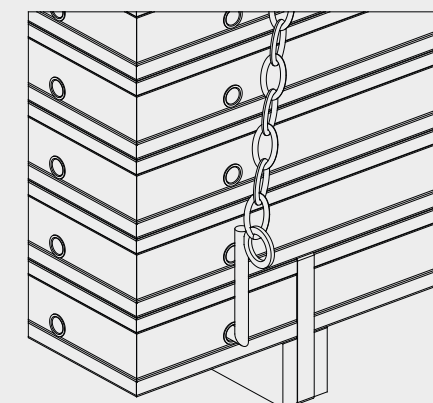


The inside stripping corner for shaft compartments can strip an entire inside formwork and shift it without having to dismantle any single element. Thanks to a special mechanism, the inner stripping corner allows the retraction of adjacent panels using a simple ratchet. After operating the retraction of the panels, the translation takes place in a simple, safe and quick action, with lifting hooks and a four-part lifting chain.

TRANSPORT AND STORAGE

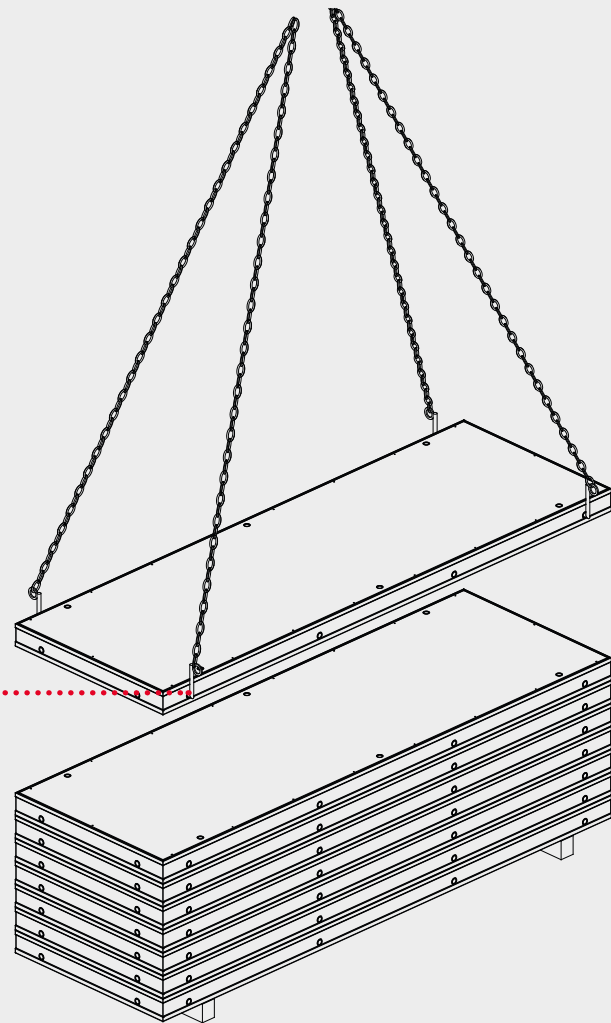


- 1) Place sleepers B 80x100 under the cross-profile
- 2) Strap the sleepers (hardwood blocking) and the bottom panel together with metal banding.
- 3) Stack up to 8 items.
- 4) Tie the stack of elements with the strapping A.



N.4 TRANSPORT PINS
max CAPACITY 2000 kg (20 kN)

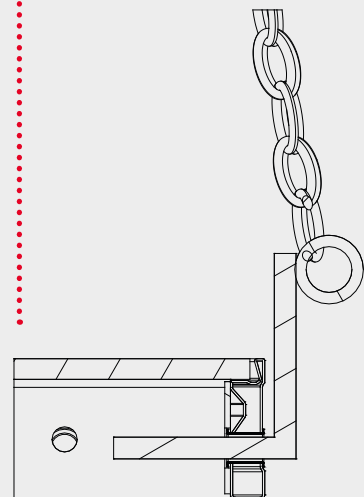
TRANSPORT AND STORAGE



TRANSPORT PINS
Max capacity 500 kg (5 kN)



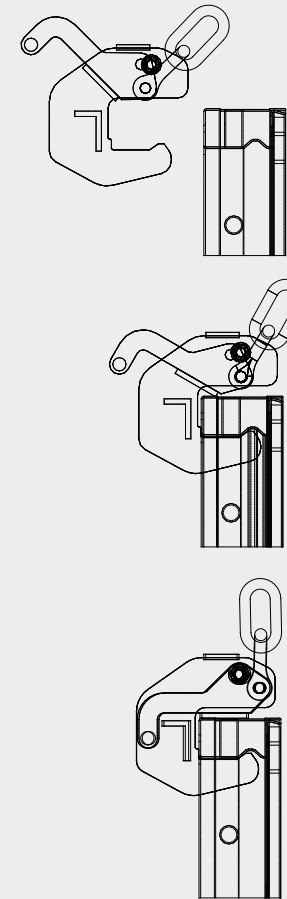
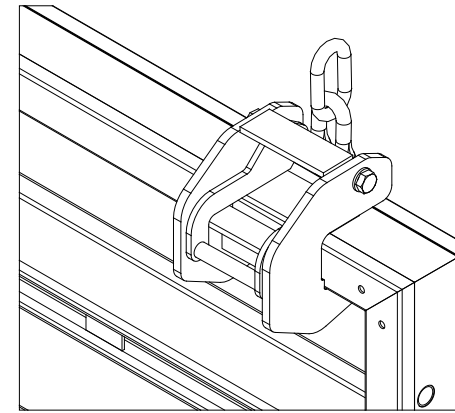
Code: CC0000
Weight: 2.00 Kg



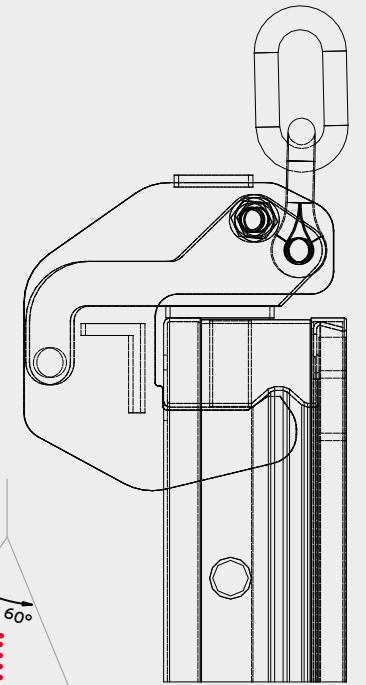
Transport pin (capacity 5 kN), used together with the four chain ropes, allowing the transport of single items or entire bundles.

LIFTING HOOK

Lifting hook must be placed on the border profile.

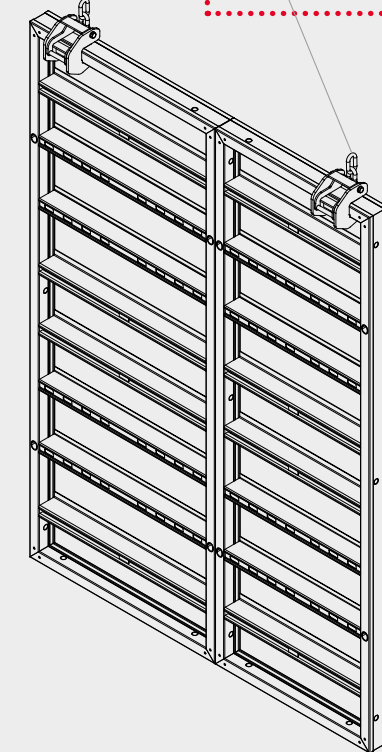


Lock up system with the lifting hook
Lifting hook placement and lock-up sequence.



max 60°

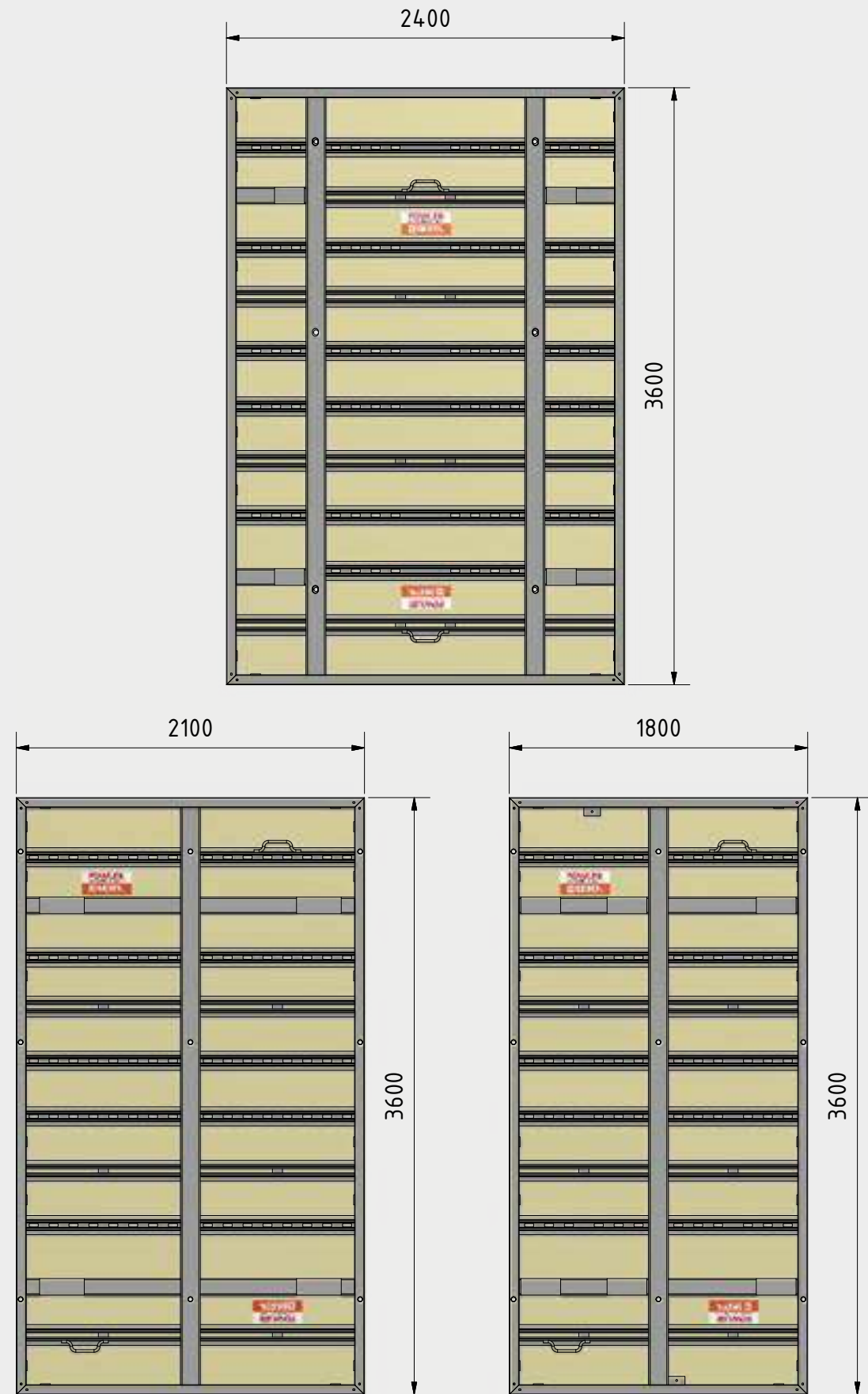
Ropes central, max angle 60°



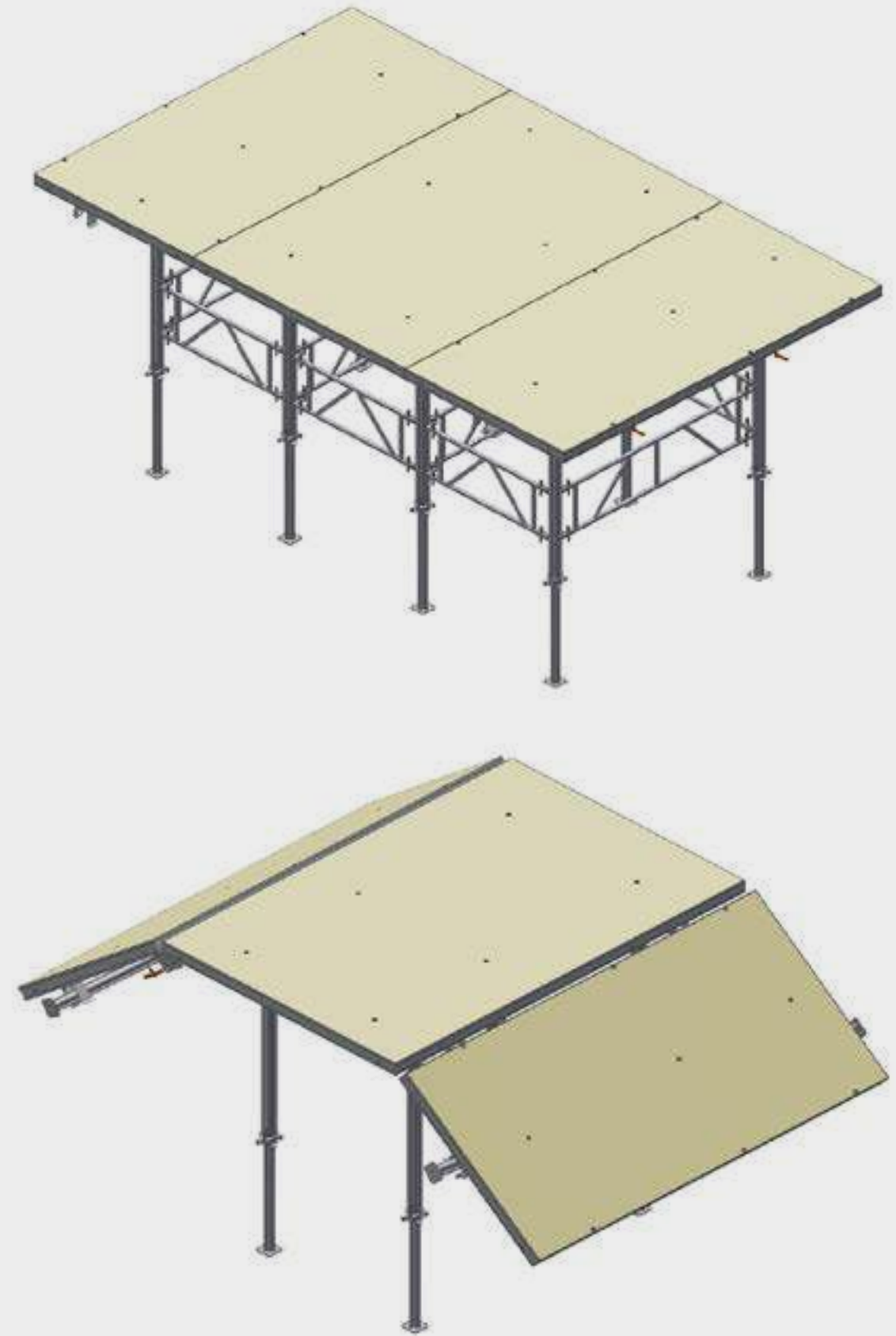
Code: CC0010 · Weight: 12.5 Kg

Used for lifting panels. Must be hooked-up with appropriate ropes which must not create an angle greater than 60°. Each lifting hook has an admissible load of 1500 Kg. The lock system to the border profile of the formwork is auto-lock up. The lifting hook should be placed near the frame stiffenings.

SUPER DESTIL : FORMWORK ELEMENTS

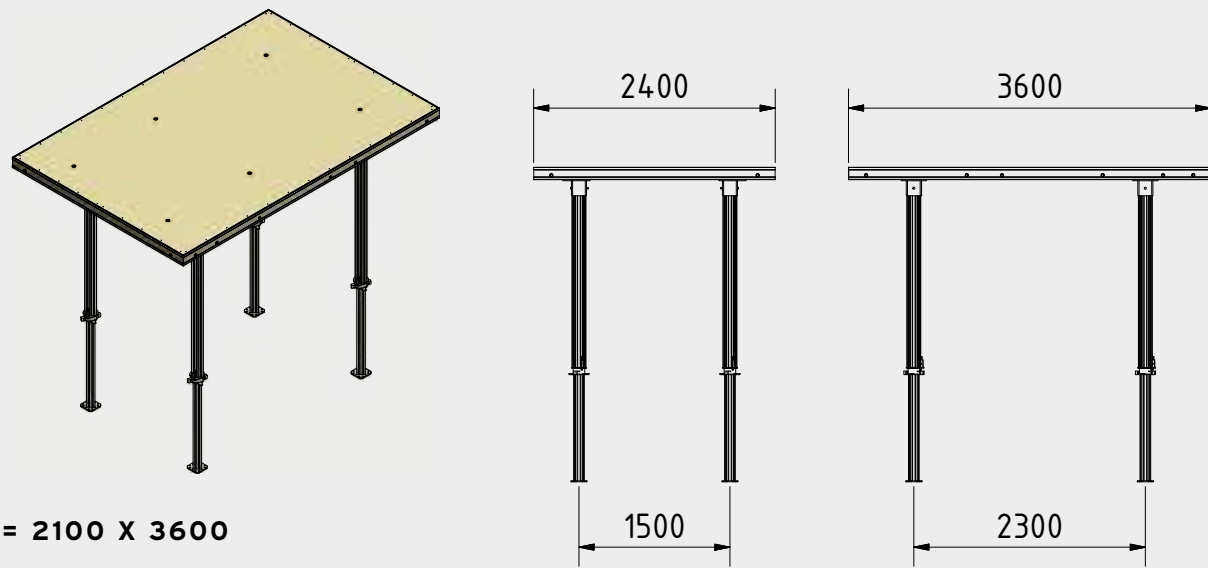


SUPER DESTIL : SLAB CONFIGURATION

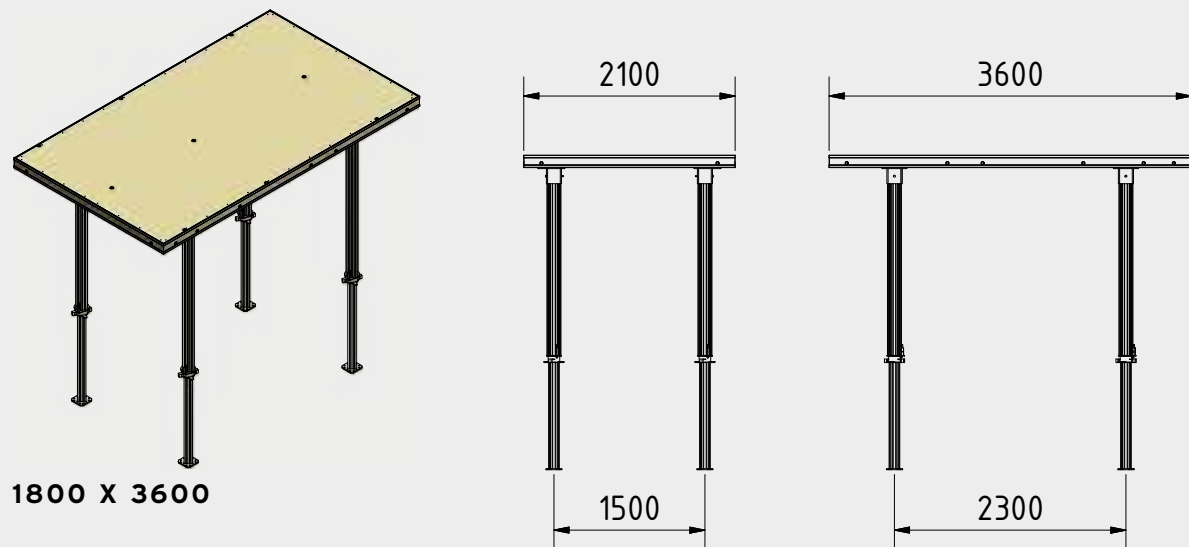


SUPER DESTIL : SLAB BASIC CONFIGURATIONS

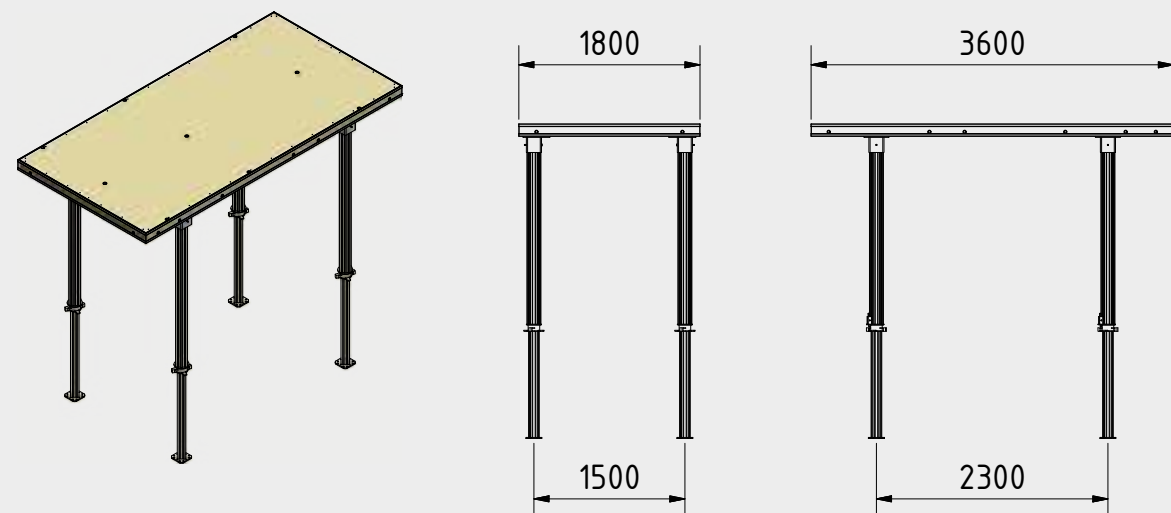
L = 2400 X 3600



L = 2100 X 3600

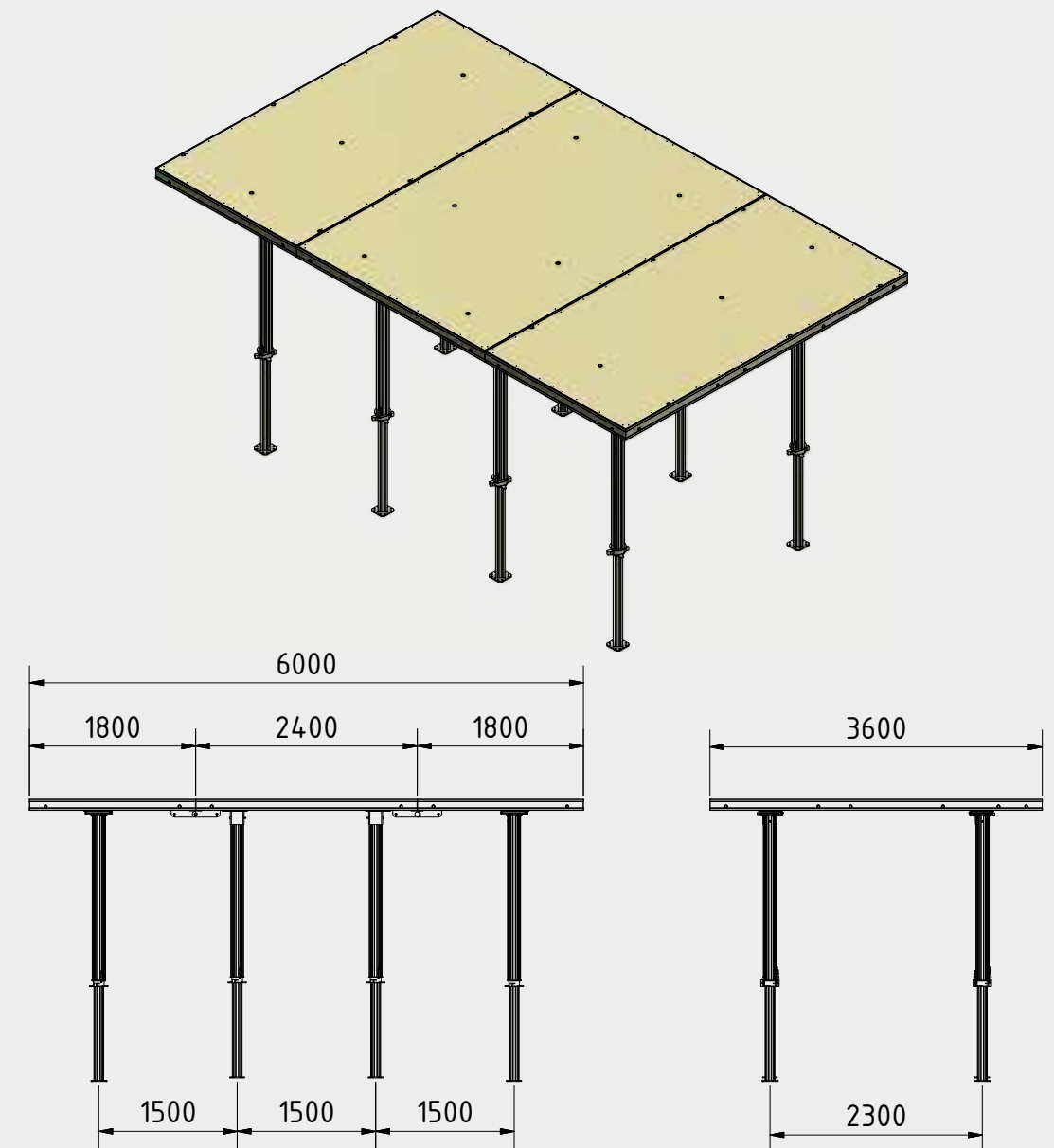


L = 1800 X 3600



SUPER DESTIL : 6.0 m WING CONFIGURATION

L = (1800+2400+1800) X 3600 = 6000 X 3600



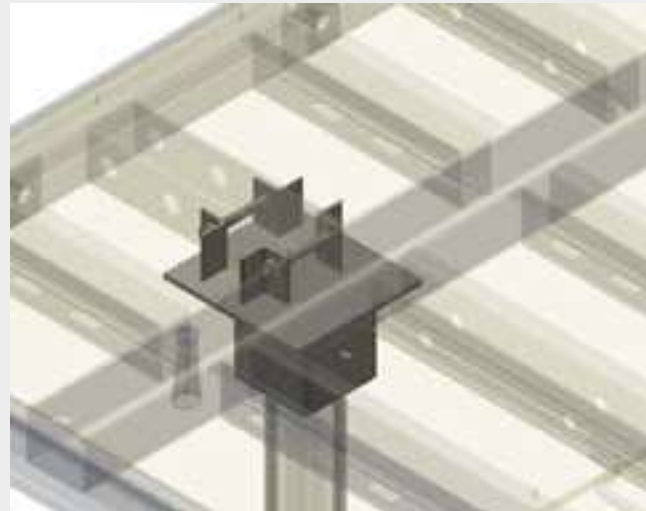
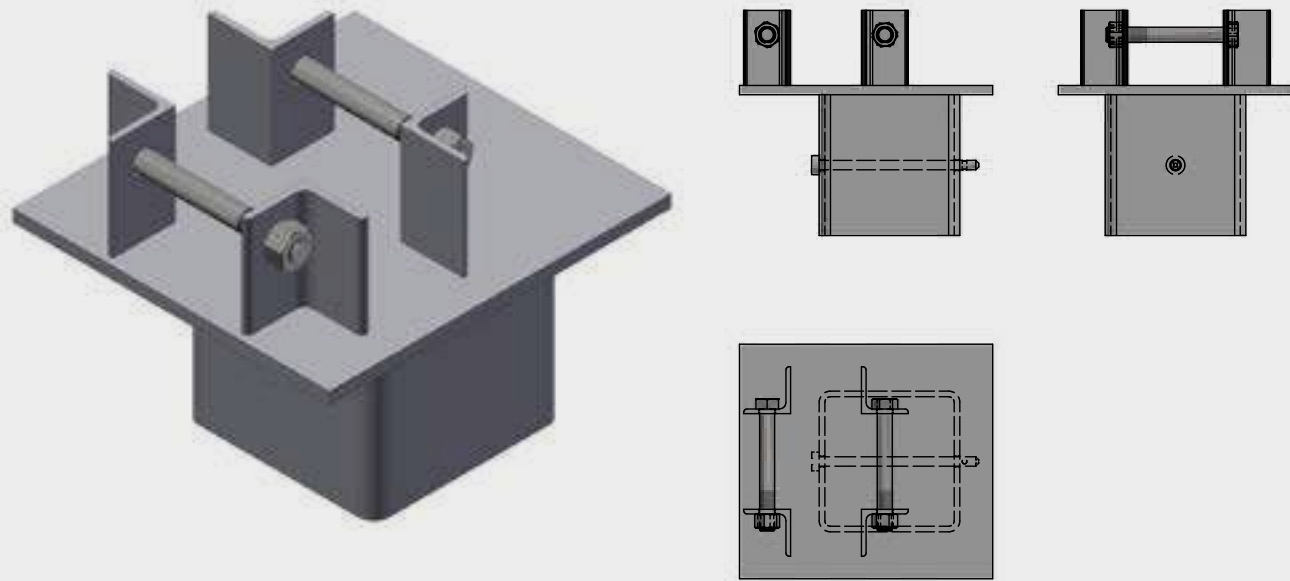
SUPER DESTIL : STRUCTURAL DESIGN

STANDARD CONFIGURATION	NUMBER OF PROPS	PRESSURE MAX (KN/M2)	MAX SLAB THICKNESS (MM)
2400 X 3600	4	50	2000
2100 X 3600	4	32	1300
1800 X 3600	4	32	1300
(1800+2400+1800) X 3600	8	28	1100

The max slab thickness referring to bearing capacity of SUPER DESTIL elements.
LOADABILITY OF PROPS HAS TO BE CHECKED.

SUPER DESTIL - SLAB ACCESSORIES

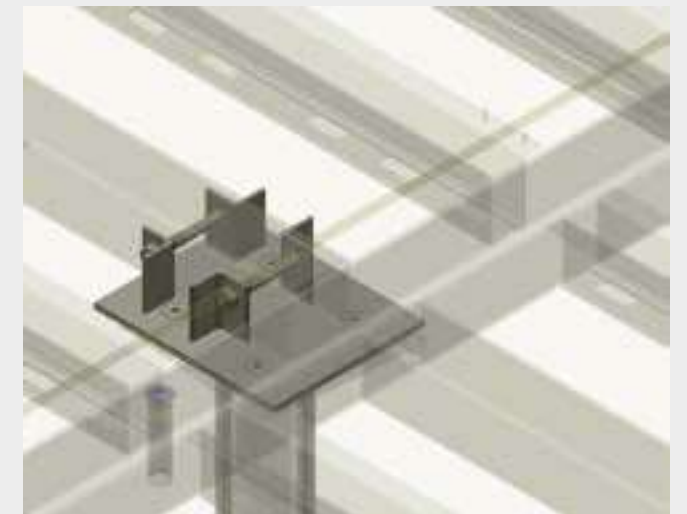
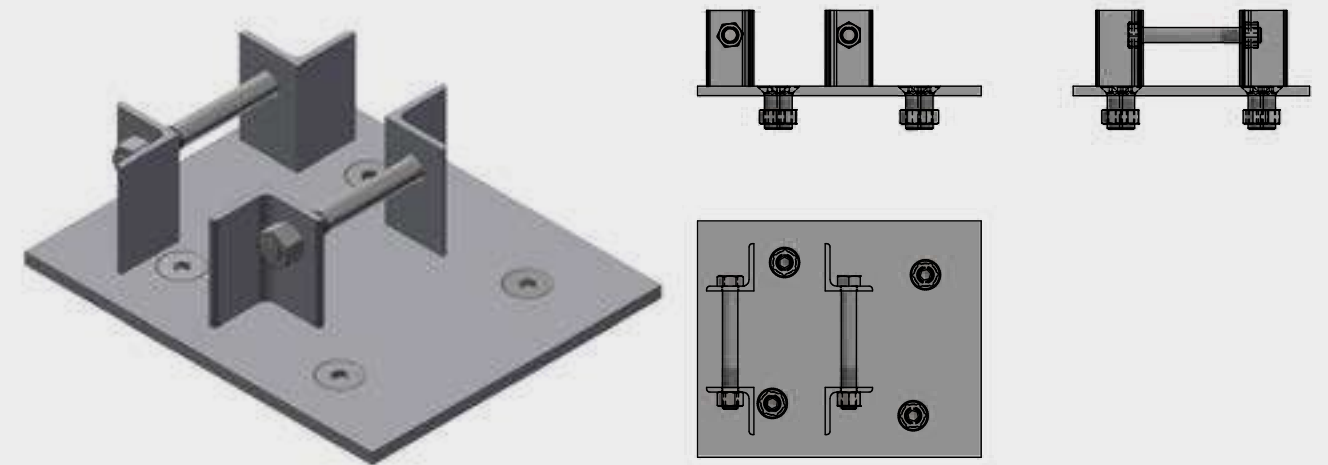
CONNECTION PLATE TYPE 1



To be used in all single basic slab configurations and on the central 2400 element in wing configuration. It can be fixed to formwork panels by bolts or pins.

SUPER DESTIL - SLAB ACCESSORIES

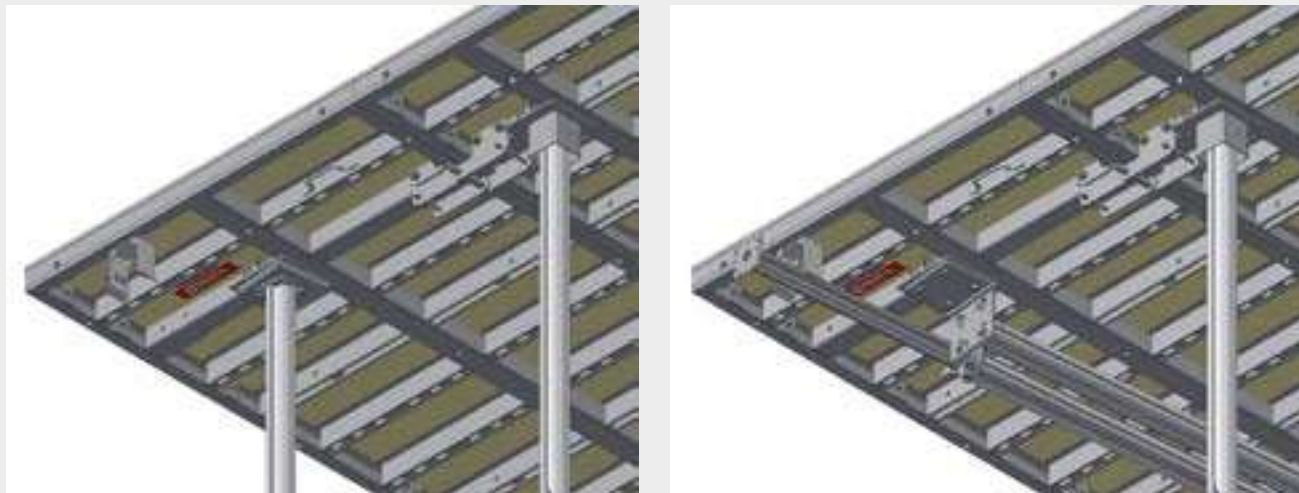
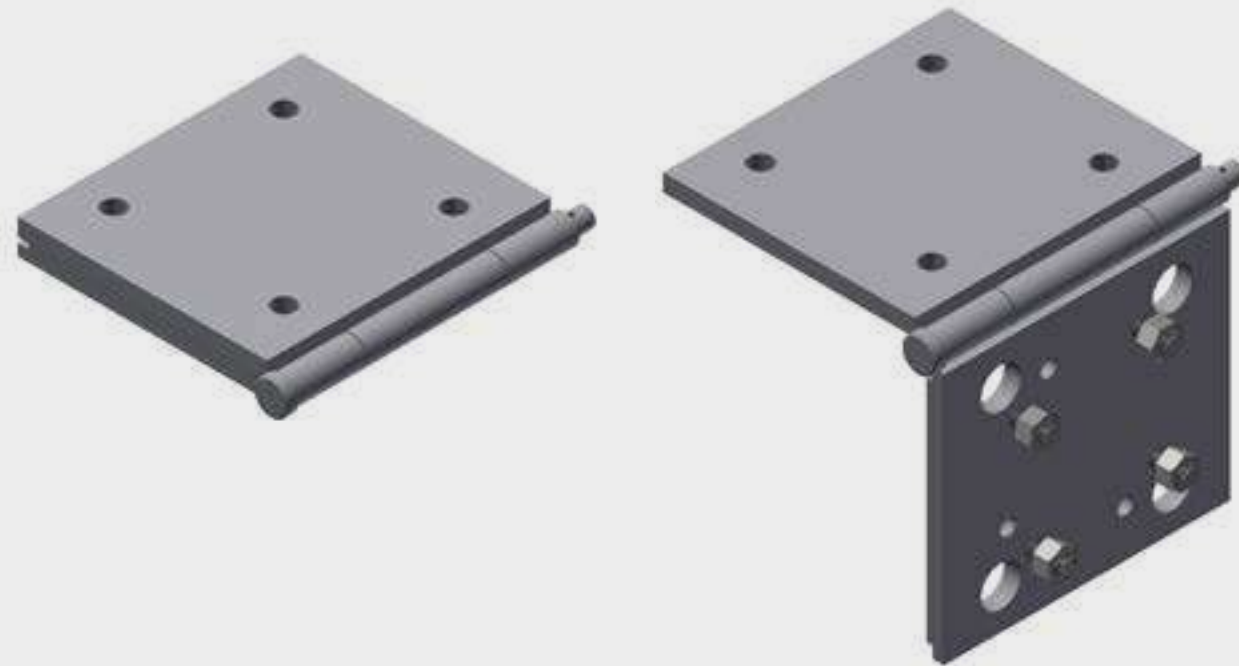
CONNECTION PLATE TYPE 2



To be used for prop connection to lateral 1800 formwork elements, in wing configuration, and in combination with "Prop bracket-wing panel". It can be fixed to formwork panels by bolts or pins.

SUPER DESTIL - SLAB ACCESSORIES

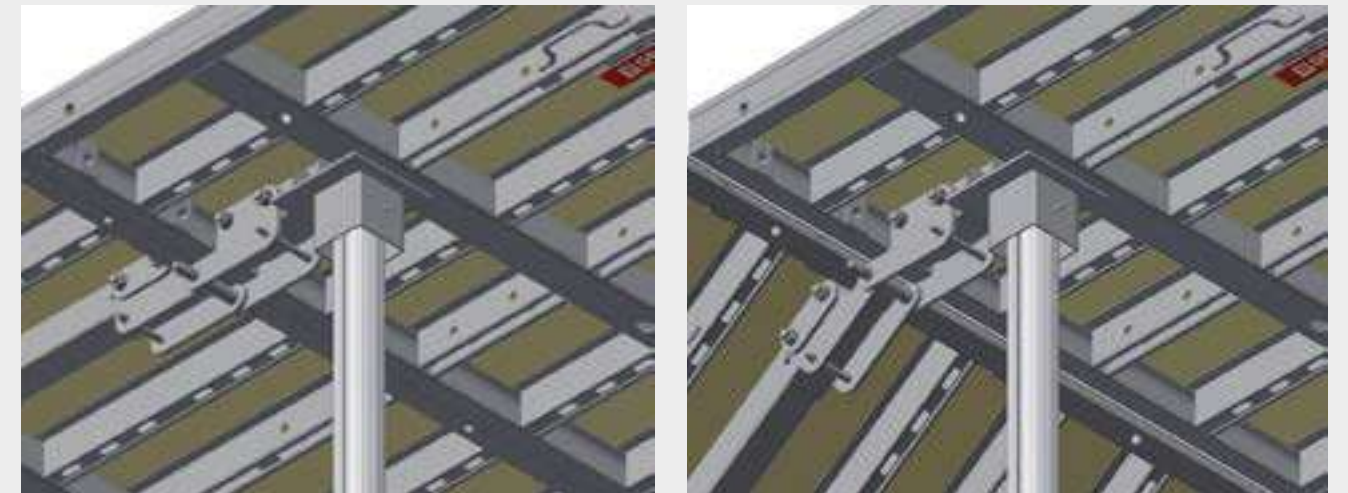
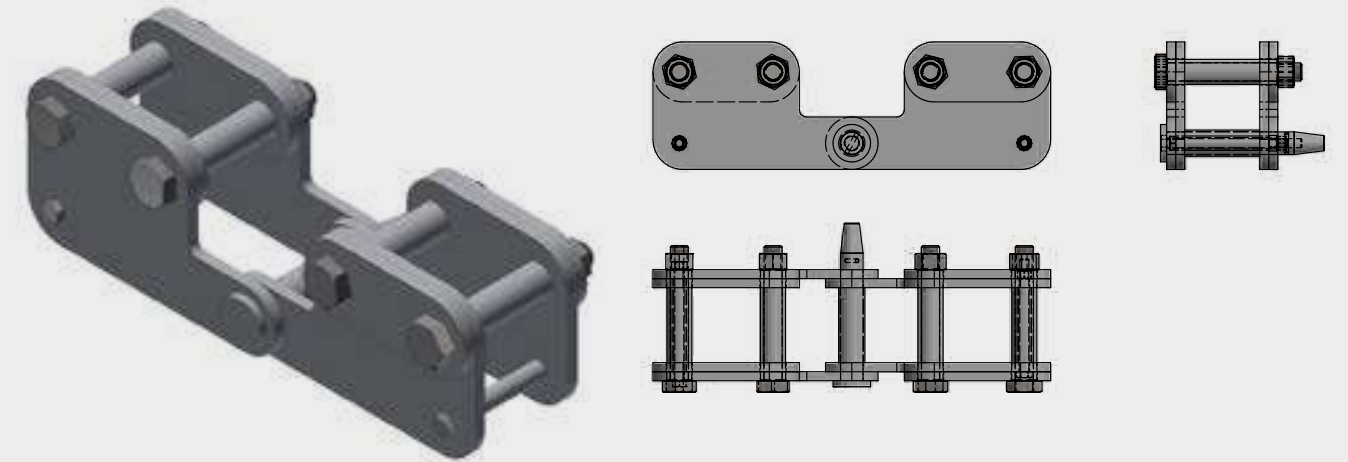
PROP BRACKET-WING PANEL



To be used for prop connection to lateral 1800 formwork elements, in wing configuration, and in combination with "Connection plate type 2" to which is bolted.

SUPER DESTIL - SLAB ACCESSORIES

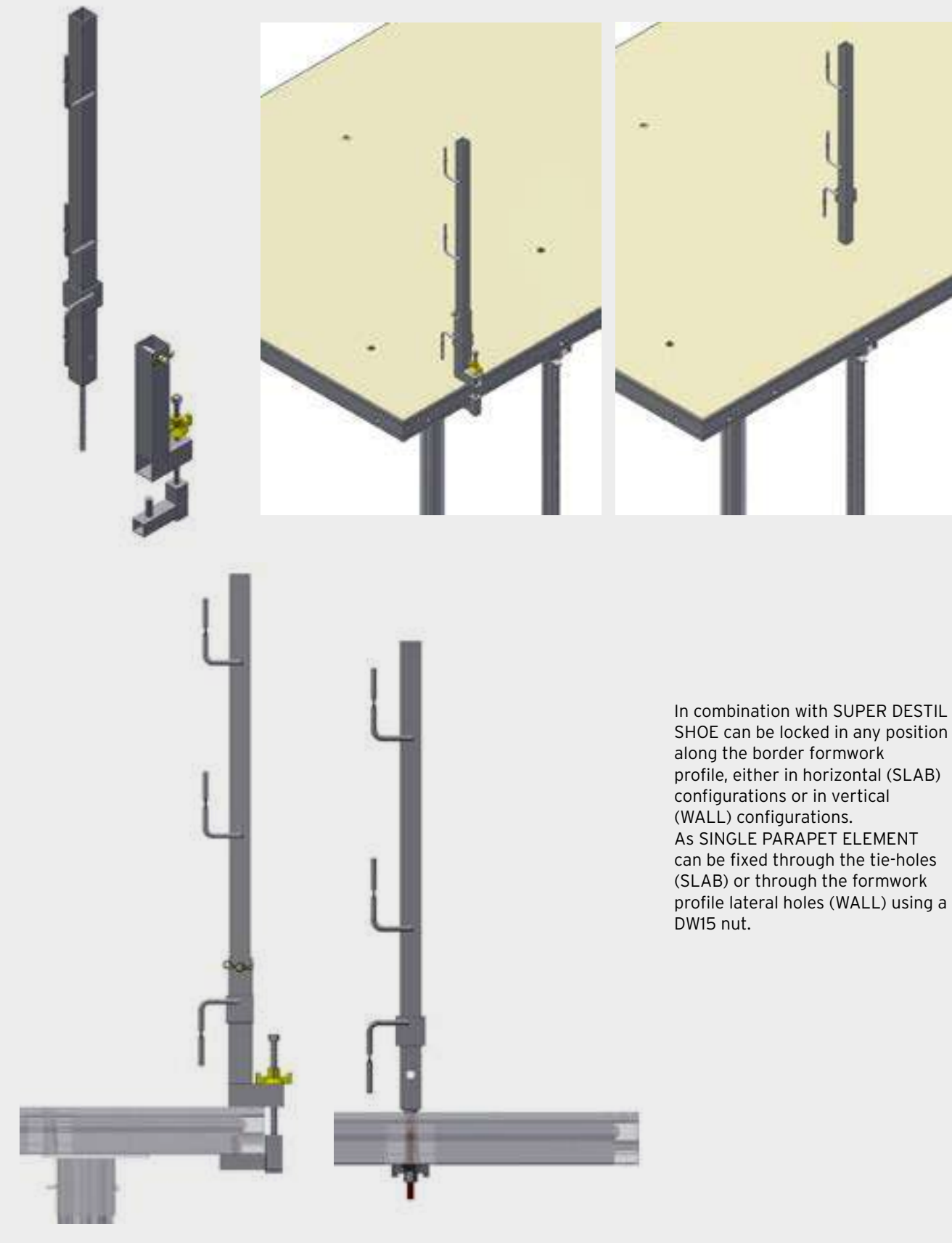
FORMWORK TABLE HINGE



To be used to connect and to allow rotation between laterals (1800) and central (2400) formwork elements in wing configuration.

SUPER DESTIL - SLAB ACCESSORIES

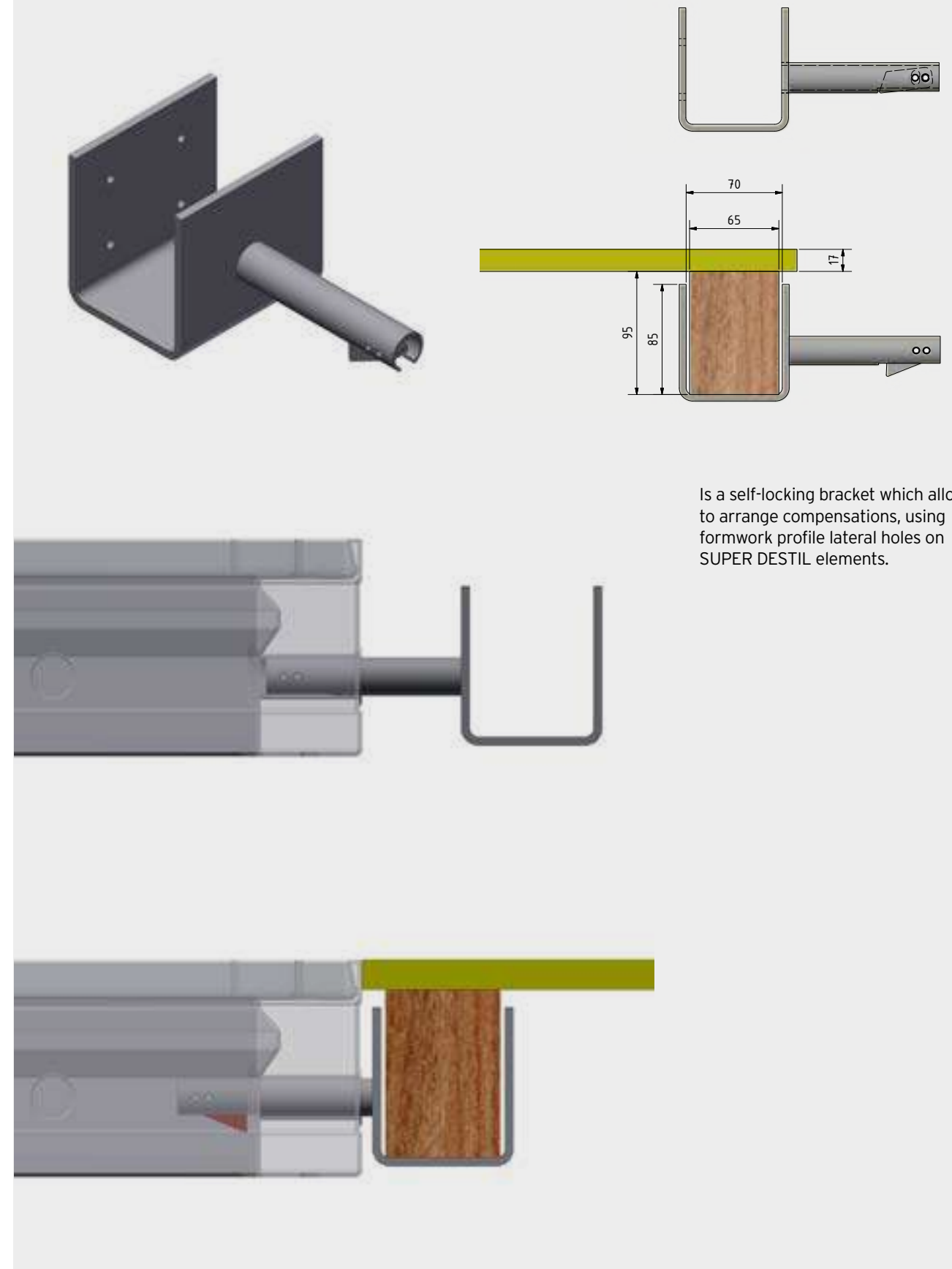
SUPER DESTIL PARAPET - USE IN SLAB CONFIGURATION



In combination with SUPER DESTIL SHOE can be locked in any position along the border formwork profile, either in horizontal (SLAB) configurations or in vertical (WALL) configurations. As SINGLE PARAPET ELEMENT can be fixed through the tie-holes (SLAB) or through the formwork profile lateral holes (WALL) using a DW15 nut.

SUPER DESTIL - SLAB ACCESSORIES

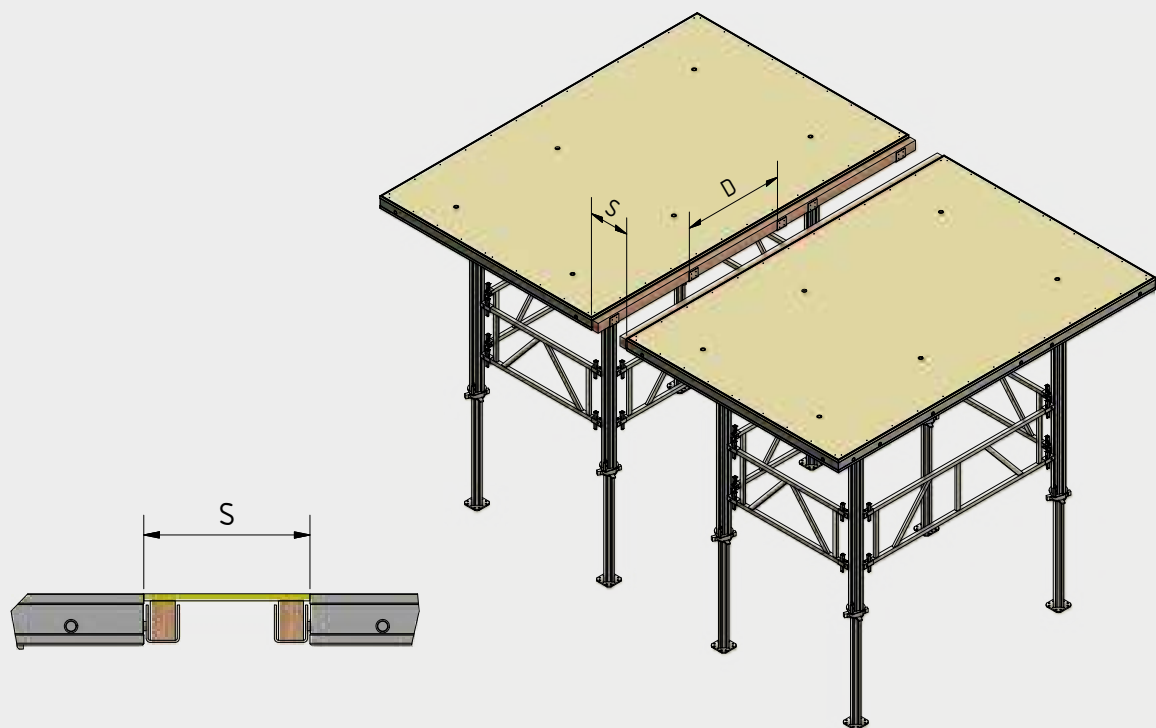
INFILL BRACKET



Is a self-locking bracket which allows to arrange compensations, using formwork profile lateral holes on SUPER DESTIL elements.

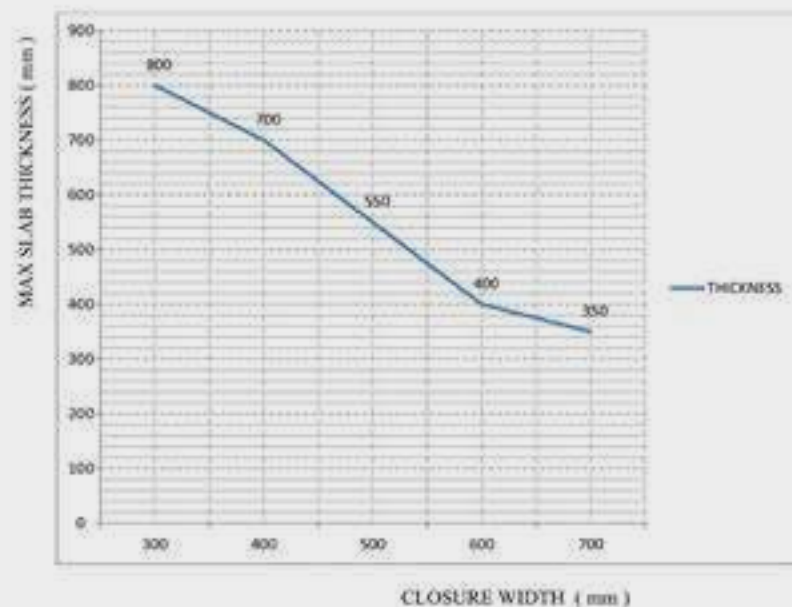
SUPER DESTIL - SLAB ACCESSORIES

INFILL BRACKET



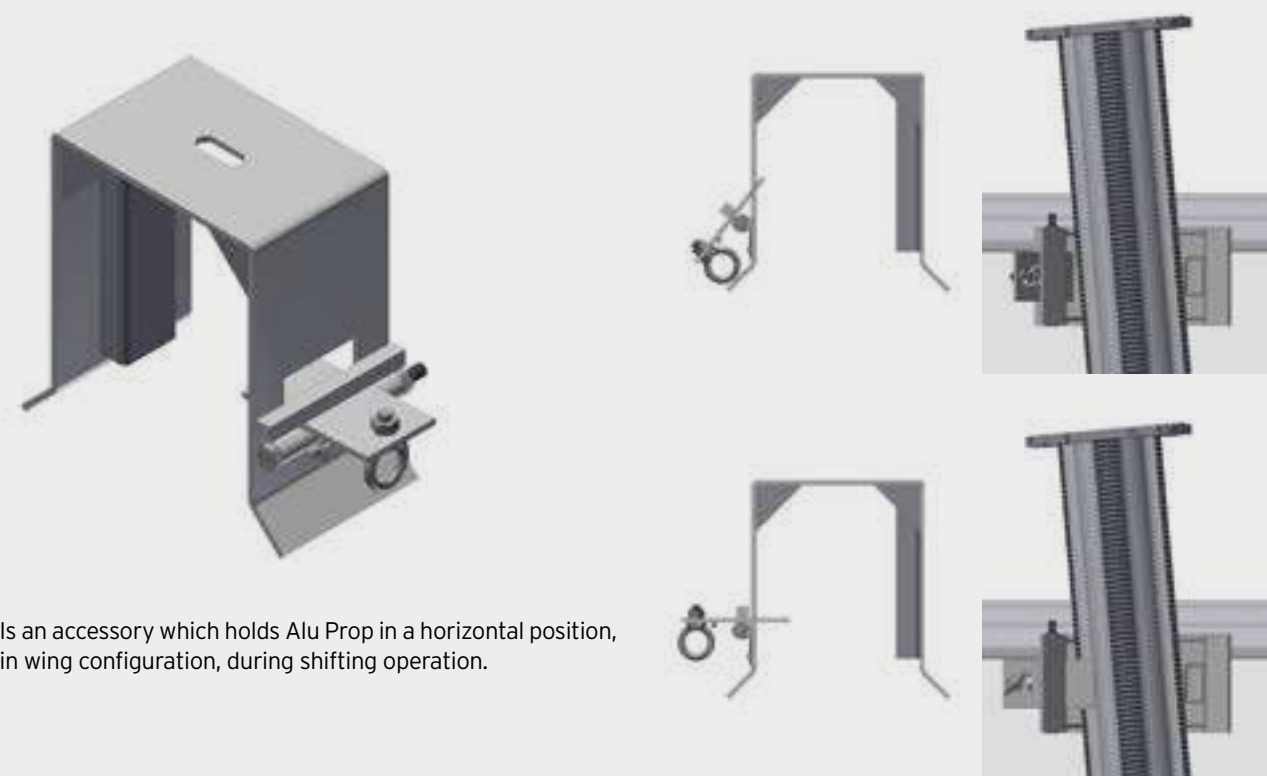
CLOSURE WIDTH (S)	MAX SPACING BETWEEN 2 INFILL BRACKET (D)	MAX PERMITTED SLAB THICKNESS
300 mm	1000 mm	800 mm
400 mm	1000 mm	700 mm
500 mm	1000 mm	550 mm
600 mm	1000 mm	400 mm
700 mm	1000 mm	350 mm

THE INDICATED MAX PERMITTED SLAB THICKNESS IS REFERRED TO THE BEARING CAPACITY OF THE INFILL BRACKET ONLY. WOOD PARTS HAS TO BE CHECKED BY SITE.



SUPER DESTIL - SLAB ACCESSORIES

PROP LOCKING BRACKET

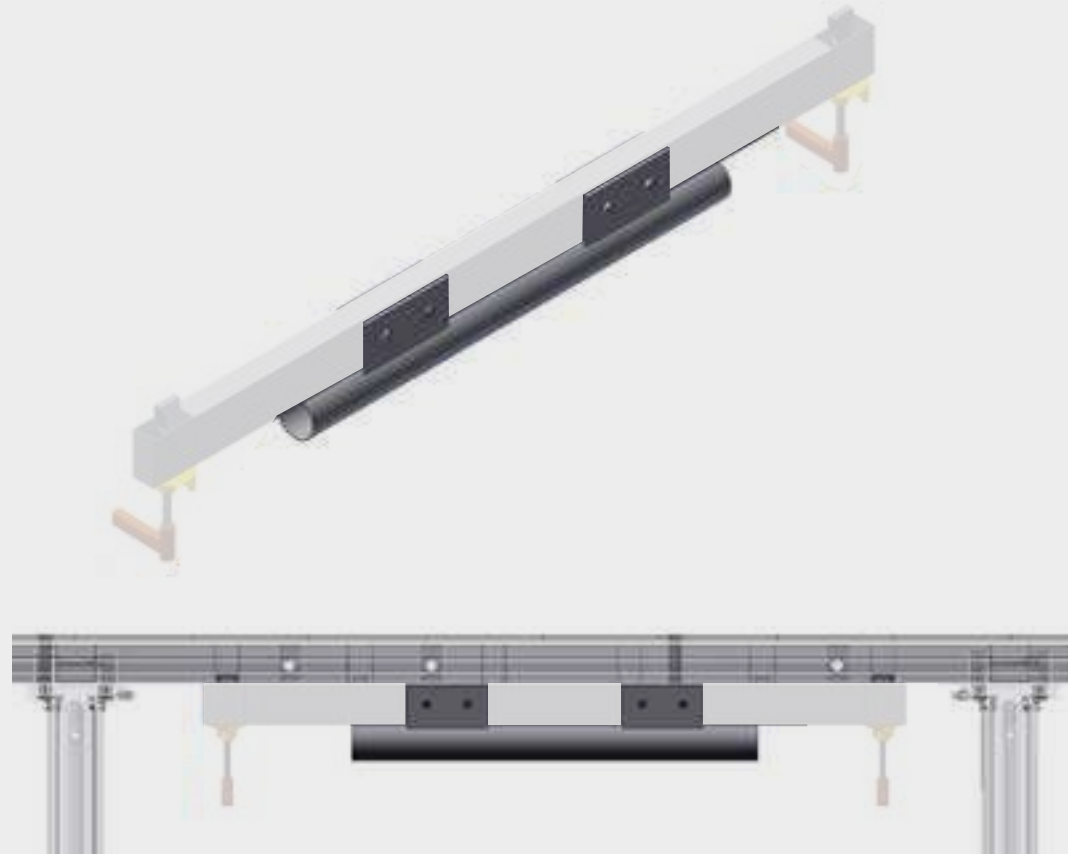


Is an accessory which holds Alu Prop in a horizontal position, in wing configuration, during shifting operation.



SUPER DESTIL - SLAB ACCESSORIES

WING CATCHING BRACKET



Accessory to be connected to lateral formwork in wing configuration, to allow formwork easy rotation during stripping phase.

SUPER DESTIL - SLAB ACCESSORIES

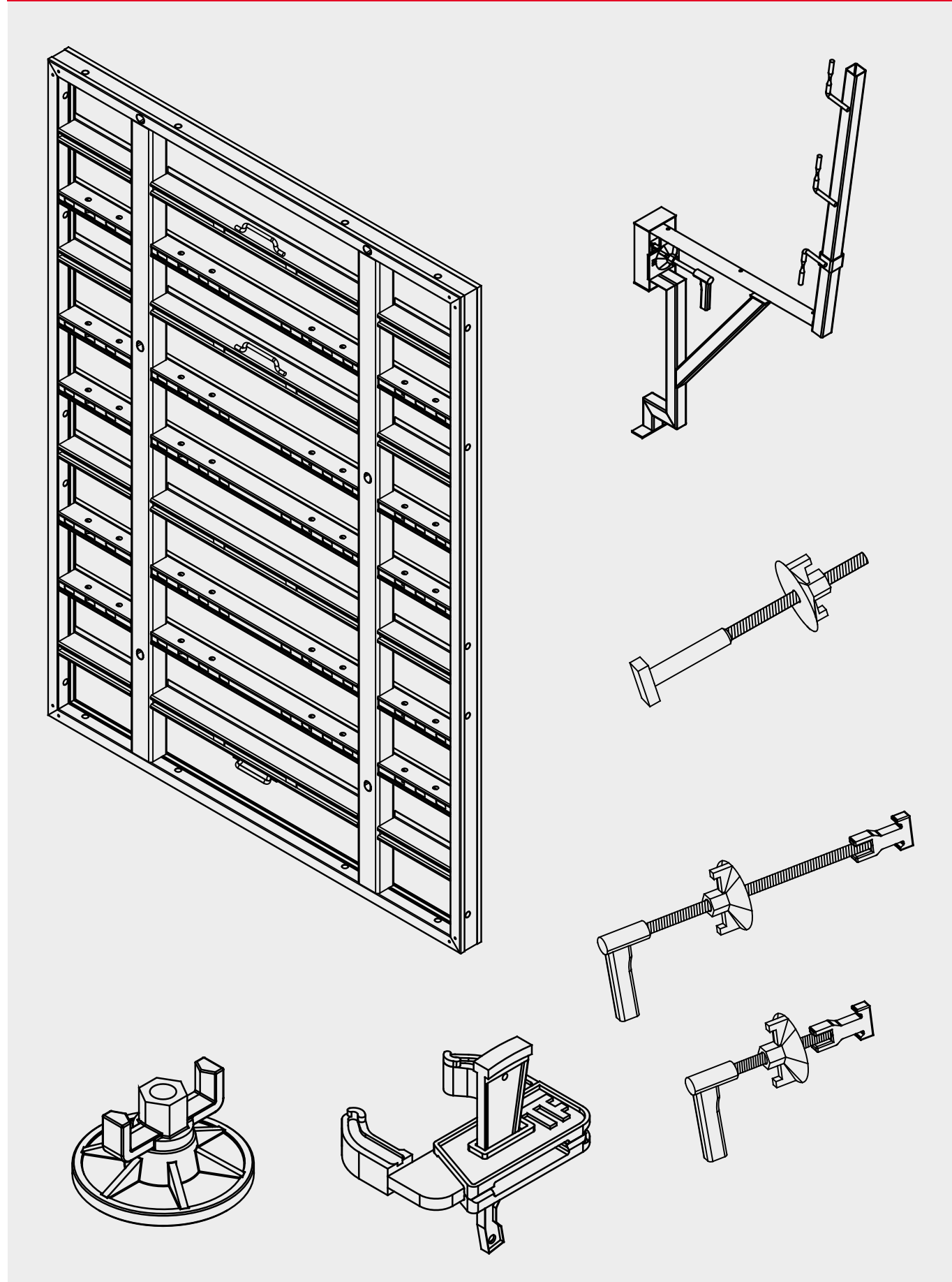
HORIZONTAL REPOSITIONING / TRAVELLING



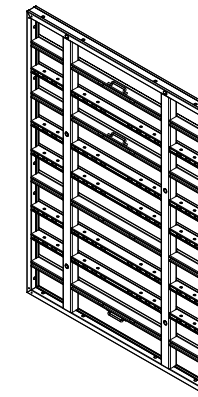
Super Destil formwork is hydraulically lifted, lowered and horizontal repositioned through the use of a standard handling unit combined with an applied special metal frame. The lifting appliance is operated by just one man with a spotter, allows formwork to be moved in a safe and fast process.



ITEMS LIST

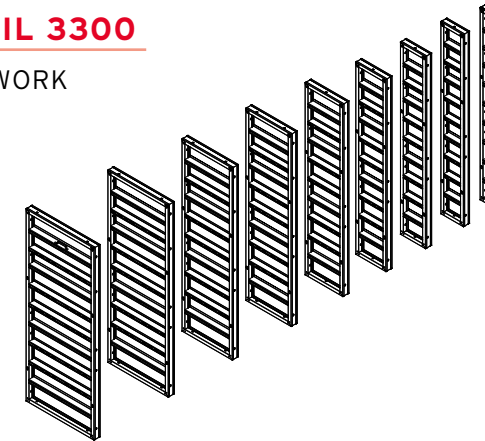


DESTIL 3300
FORMWORK



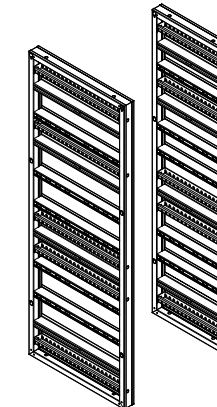
CODE	DESCRIPTION	WEIGHT (KG)
330240	3300 x 2400	422.10

DESTIL 3300
FORMWORK



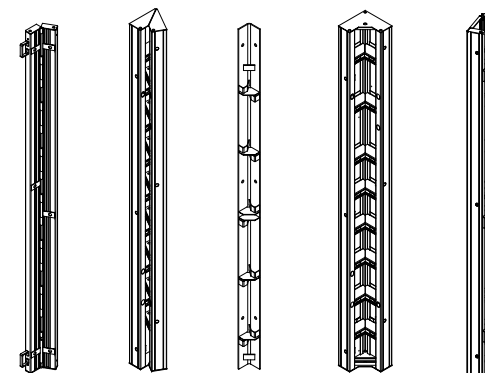
CODE	DESCRIPTION	WEIGHT (KG)
330135	3300 x 1350	227.70
330120	3300 x 1200	190.00
330100	3300 x 1000	167.20
330090	3300 x 900	151.90
330075	3300 x 750	137.70
330060	3300 x 600	123.80
330050	3300 x 500	107.00
330045	3300 x 450	98.50
330030	3300 x 300	80.50

DESTIL 3300
UNIVERSAL FORMWORK



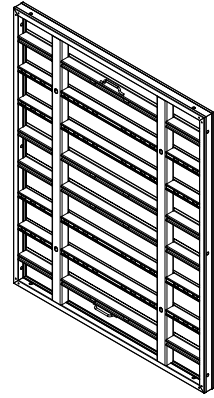
CODE	DESCRIPTION	WEIGHT (KG)
33135U	3300 x 1350 UNIV.	263.00
33012U	3300 x 1200 UNIV.	234.00
33009U	3300 x 900 UNIV.	188.10

DESTIL 3300
CORNERS



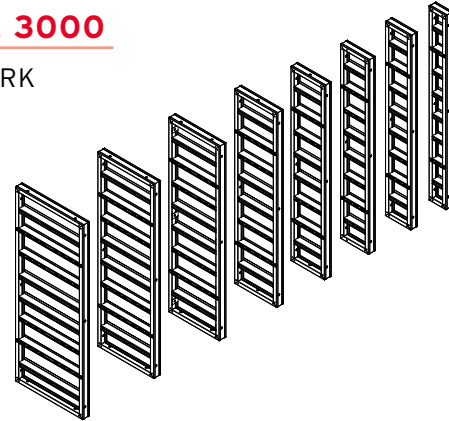
CODE	DESCRIPTION	WEIGHT (KG)
AIF330	Inside fixed corner	116.50
AEF330	Outside fixed corner	55.00
AIC330	Hinged inside corner	142.20
AEC330	Hinged outside corner	78.00
ADR330	Shaft removing corner	215.00

DESTIL 3000
FORMWORK



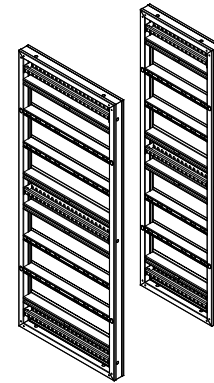
CODE	DESCRIPTION	WEIGHT (KG)
330240	3000 x 2400	384.10

DESTIL 3000
FORMWORK



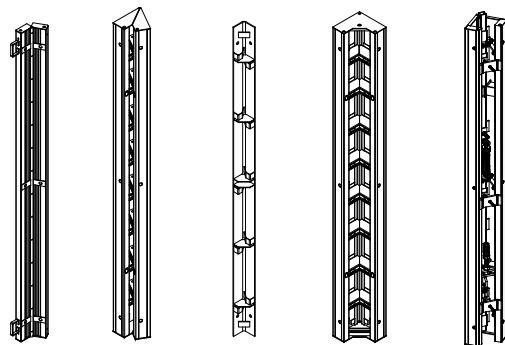
CODE	DESCRIPTION	WEIGHT (KG)
300135	3000 x 1350	198.50
330120	3000 x 1200	172.10
330100	3000 x 1000	150.50
300090	3000 x 900	139.00
300075	3000 x 750	122.60
300060	3000 x 600	105.80
300050	3000 x 500	94.90
300045	3000 x 450	89.30
300030	3000 x 300	72.80

DESTIL 3000
UNIVERSAL FORMWORK



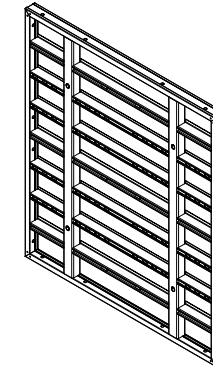
CODE	DESCRIPTION	WEIGHT (KG)
300135U	3000 x 1350 UNIV.	239.00
30012U	3000 x 1200 UNIV.	197.00
30009U	3000 x 900 UNIV.	160.70

DESTIL 3000
CORNERS



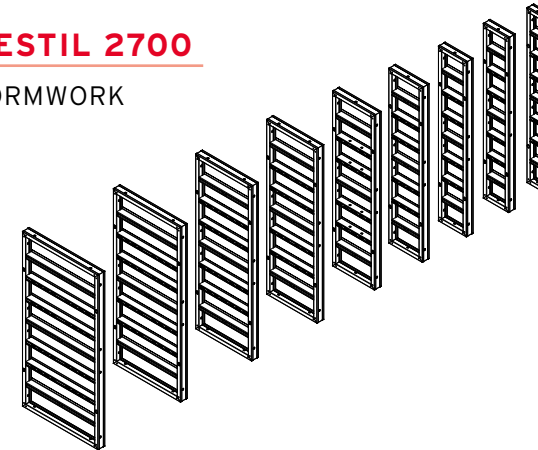
CODE	DESCRIPTION	WEIGHT (KG)
AIF300	Inside fixed corner	104.90
AEF300	Outside fixed corner	48.00
AIC300	Hinged inside corner	132.00
AEC300	Hinged outside corner	70.00
ADR300	Shaft removing corner	192.00

DESTIL 2700
FORMWORK



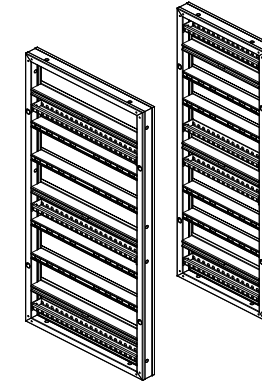
CODE	DESCRIPTION	WEIGHT (KG)
270240	2700 x 2400	344.40

DESTIL 2700
FORMWORK



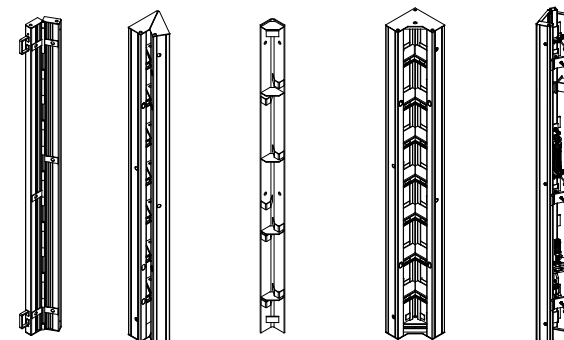
CODE	DESCRIPTION	WEIGHT (KG)
270135	2700 x 1350	169.3
270120	2700 x 1200	154.60
270100	2700 x 1000	141.10
270090	2700 x 900	126.70
270075	2700 x 750	110.40
270060	2700 x 600	95.40
270050	2700 x 500	85.70
270045	2700 x 450	80.70
270030	2700 x 300	68.70

DESTIL 2700
UNIVERSAL FORMWORK



CODE	DESCRIPTION	WEIGHT (KG)
270135U	2700 x 1350 UNIV.	230.00
27012U	2700 x 1200 UNIV.	203.20
27009U	2700 x 900 UNIV.	154.00

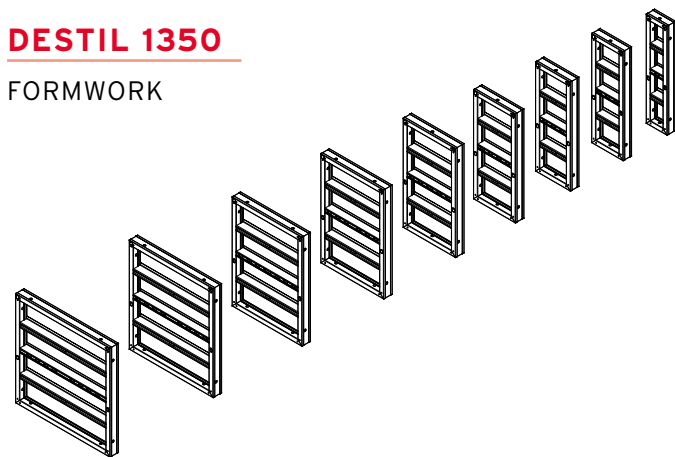
DESTIL 2700
CORNERS



CODE	DESCRIPTION	WEIGHT (KG)
AIF270	Inside fixed corner	94.40
AEF270	Outside fixed corner	408.00
AIC270	Hinged inside corner	118.70
AEC270	Hinged outside corner	62.90
ADR270	Shaft removing corner	172.80

DESTIL 1350

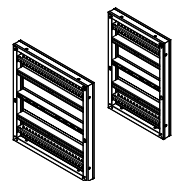
FORMWORK



CODE	DESCRIPTION	WEIGHT (KG)
135135	1350 x 1350	91.90
135120	1350 x 1200	83.80
135100	1350 x 1000	75.30
135090	1350 x 900	67.80
135075	1350 x 750	57.30
135060	1350 x 600	51.30
135050	1350 x 500	48.20
135045	1350 x 450	43.40
135030	1350 x 300	35.40

DESTIL 1350

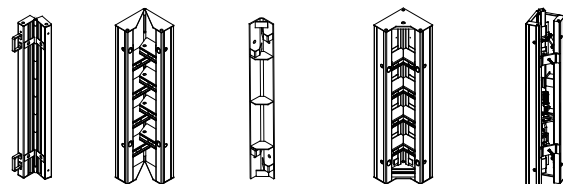
UNIVERSAL FORMWORK



CODE	DESCRIPTION	WEIGHT (KG)
135135U	1350 x 1350 UNIV.	99.00
135120U	1350 x 1200 UNIV.	93.00
135090U	1350 x 900 UNIV.	82.10

DESTIL 1350

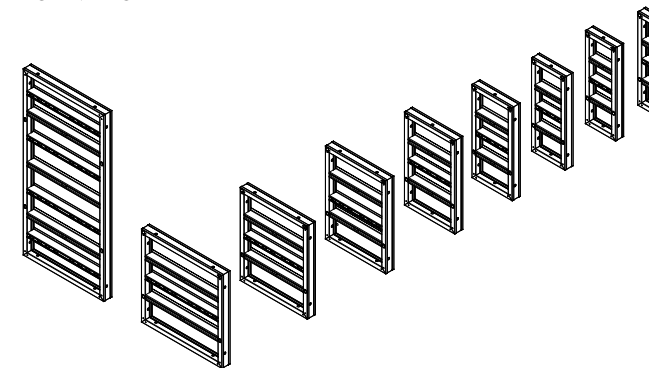
CORNERS



CODE	DESCRIPTION	WEIGHT (KG)
AIF135	Inside fixed corner	56.60
AEF135	Outside fixed corner	23.20
AIC135	Hinged inside corner	64.40
AEC135	Hinged outside corner	32.40
ADR135	Shaft removing corner	86.40

DESTIL 1200

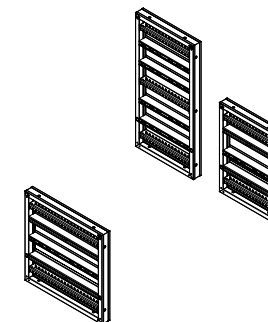
FORMWORK



CODE	DESCRIPTION	WEIGHT (KG)
120240	1200 x 2400	145.20
120120	1200 x 1200	79.60
120100	1200 x 1000	69.30
120090	1200 x 900	63.10
120075	1200 x 750	56.20
120060	1200 x 600	48.20
120050	1200 x 500	43.50
120045	1200 x 450	40.40
120030	1200 x 300	32.60

DESTIL 1200

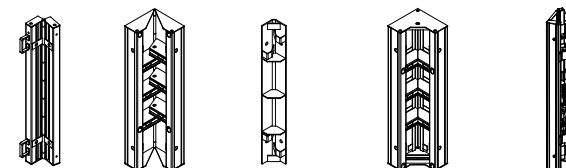
UNIVERSAL FORMWORK



CODE	DESCRIPTION	WEIGHT (KG)
18135U	1200 x 1350 UNIV.	104.00
120120U	1200 x 1200 UNIV.	98.00
120090U	1200 x 900 UNIV.	77.70

DESTIL 1200

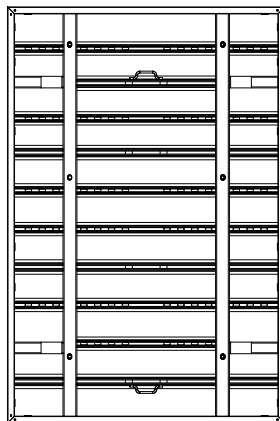
CORNERS



CODE	DESCRIPTION	WEIGHT (KG)
AIF120	Inside fixed corner	52.00
AEF120	Outside fixed corner	20.70
AIC120	Hinged inside corner	53.00
AEC120	Hinged outside corner	28.90
ADR120	Shaft removing corner	76.80

SUPER DESTIL 3600 X 2400

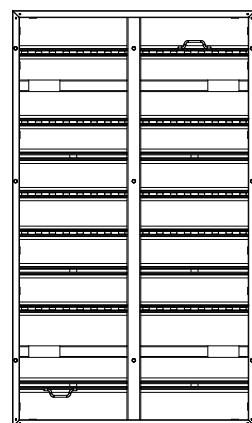
FORMWORK



CODE	DESCRIPTION	WEIGHT (KG)
360240	3600 x 2400	450.00

SUPER DESTIL 3600 X 2100

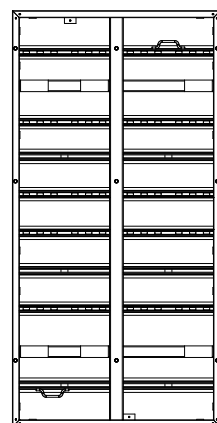
FORMWORK



CODE	DESCRIPTION	WEIGHT (KG)
360210	3600 x 2100	374.00

SUPER DESTIL 3600 X 1800

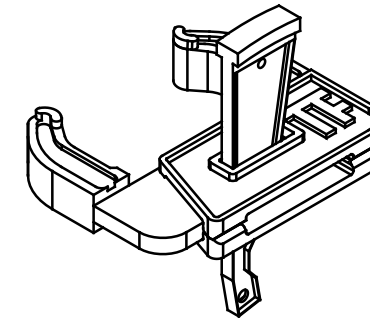
FORMWORK



CODE	DESCRIPTION	WEIGHT (KG)
360180	3600 x 1800	336.00

DESTIL ACCESSORIES

QUICK ACTING CLAMP

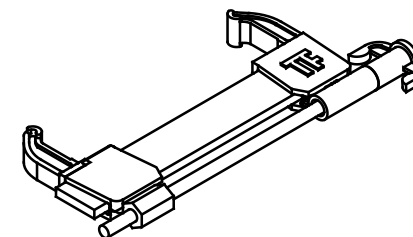


CODE	DESCRIPTION	WEIGHT (KG)
CC0008	Quick acting clamp	3.50

Used to connect adjoining formwork modules and may be placed at any point of border frame, preferably near the stiffeners.

DESTIL ACCESSORIES

MULTI FUNCTION CLAMP

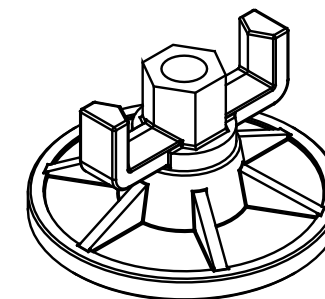


CODE	DESCRIPTION	WEIGHT (KG)
CC0009	Multi function clamp	5.50

Used to connect formwork modules and to allow compensations up to 200 mm width. May be placed at any point of border frames, preferably near the stiffenings.

DESTIL ACCESSORIES

SUPER PLATE NUT DW15

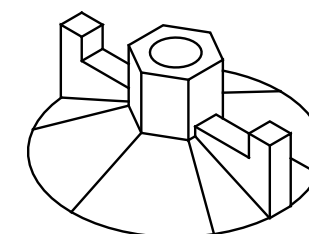


CODE	DESCRIPTION	WEIGHT (KG)
CC0045	Super plate nut DW15 (ø150)	1.50
CC0001	Super plate nut DW15 (ø130)	1.30

Screwed on the tie rods in order to lock up bindings (2 plates needed for each bar). Admissible load =90 kN (according to regulation DIN 18216).

DESTIL ACCESSORIES

PLATE NUT DW15

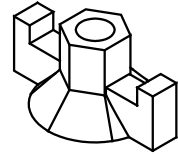


CODE	DESCRIPTION	WEIGHT (KG)
CC0002	Plate nut DW15 (ø110)	0.70
CC0046	Plate nut DW15 (ø130)	1.25

Used to fix and lock up the Universal fixing bolt, Universal fixing bolt for waling, and the Stop-end tie clamp.

DESTIL ACCESSORIES

PLATE NUT DW15 (ø60)

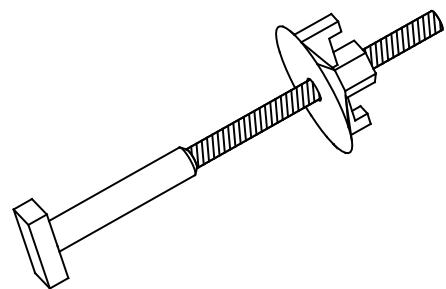


CODE	DESCRIPTION	WEIGHT (KG)
CC0003	Plate nut DW15 (ø60)	0.60

Used to block and lock up the Fixed bracket.

DESTIL ACCESSORIES

UNIVERSAL FIXING BOLT



CODE	DESCRIPTION	WEIGHT (KG)
CC0019	Universal fixing bolt 330	1.30
CC0042	Universal fixing bolt 230	1.20
CC0050	Universal fixing bolt 180	1.10
CC0051	Universal fixing bolt 145	0.90

Ties up universal module formwork, 900 mm, with any other standard module in case of columns and external corners. Also used as an alternative to Quick acting clamp for fixing adjoining formwork modules. Completed with Plate nut D15 (Ø 110).

DESTIL ACCESSORIES

TIE ROD DW15



CODE	DESCRIPTION	WEIGHT (KG)
CC0060	Tie rod (L=650 mm)	0.94
CC0061	Tie rod (L=850 mm)	1.23
CC0014	Tie rod (L=1000 mm)	1.50
CC0062	Tie rod (L=1200 mm)	1.74
CC0063	Tie rod (L=1500 mm)	2.18
CC0064	Tie rod (L=2000 mm)	2.90
CC0065	Tie rod (L=2200 mm)	3.19
CC0066	Tie rod (L=2500 mm)	3.63
CC0067	Tie rod (L=3000 mm)	4.35
CC0068	Tie rod (L=4000 mm)	5.80
CC0069	Tie rod (L=5000 mm)	7.25
CC0070	Tie rod (L=6000 mm)	8.70

The bars can be reused; but prior to casting they should be put in plastic tube, type 22/26. For correct usage the bar should be equipped with appropriate accessories (Super plate nuts or Hexagon nuts or Plate nuts D15).

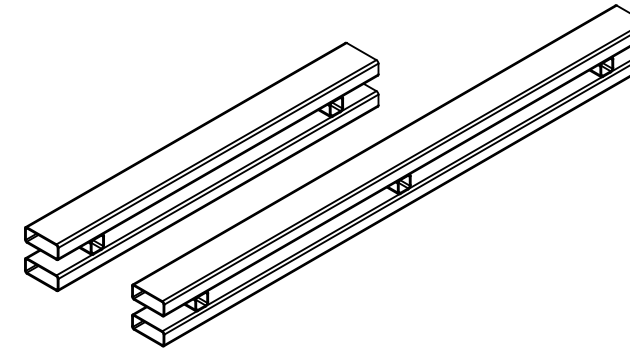
Admissible load: 90 kN (according to regulation DIN 18216)

Ultimate load: 190 kN (according to regulation DIN 18216)

NOTE: To avoid rupture or deformations, the bars should not be warmed-up or welded.

DESTIL ACCESSORIES

UNIVERSAL WALING

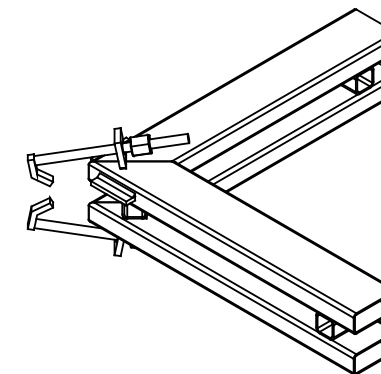


CODE	DESCRIPTION	WEIGHT (KG)
CC0011	Universal waling L=900 mm	16.00
CC0012	Universal waling L=1500 mm	25.00

Produced in two sizes and can be used in compensation areas and/or to rigidify the overlapped formworks. Fixed to the formwork with two Universal fixing bolts for waling.

DESTIL ACCESSORIES

UNIVERSAL CORNER WALING

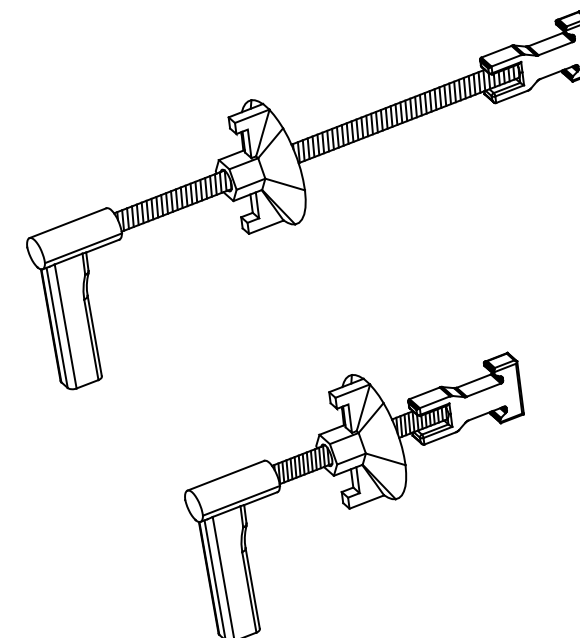


CODE	DESCRIPTION	WEIGHT (KG)
CC0013	Universal corner waling	15.20

Used in areas with 90°angle to block, lock up and align the adjoining formwork modules. Each corner waling is fixed with two Universal fixing bolt for waling.

DESTIL ACCESSORIES

UNIVERSAL FIXING BOLT FOR WALING



CODE	DESCRIPTION	WEIGHT (KG)
CC0016	Universal fixing bolt for waling L=250 mm	1.50
CC0017	Universal fixing bolt for waling L=400 mm	1.80

Code: CC0016 | Weight: 1.5 Kg

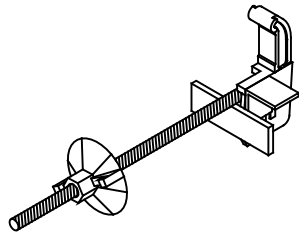
Fixes Universal waling and modules of frame formworks; can be joined with OMEGA profile; completed with Plate nut D15 (Ø 110).

Code: CC0017 | Weight: 1.8 Kg

Used to fix to the frame formwork elements of greater thickness (Examples: fixing framework and Contrast beam in supporting construction frames, etc...).

DESTIL ACCESSORIES

STOP/END TIE CLAMP

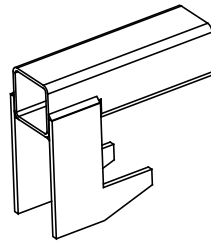


CODE	DESCRIPTION	WEIGHT (KG)
CC0018	Stopend tie clamp	1.70

In conjunction with Universal waling is used in variable position and affixed to the border frame to close two parallel formworks. It is completed with Plate nut D15 (Ø 110).

DESTIL ACCESSORIES

ANCHOR BRACKET

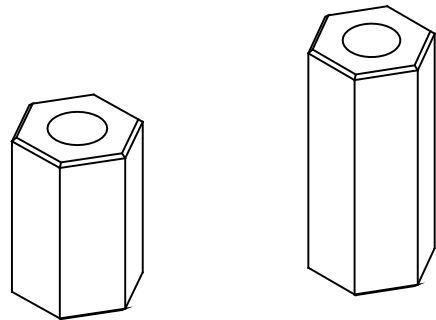


CODE	DESCRIPTION	WEIGHT (KG)
CC0024	Anchorage tube	1.50

Enables placement of tie rods above the profile edge in any position.

DESTIL ACCESSORIES

HEXAGON NUT DW15

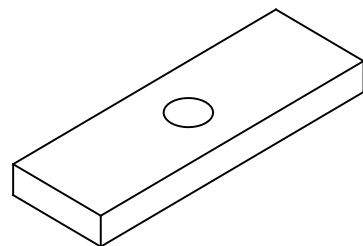


CODE	DESCRIPTION	WEIGHT (KG)
CC0004	Hexagon nut DW15 (L=50 mm)	0.30
CC0005	Hexagon nut DW15 (L=70 mm)	0.32

Code: CC0004 | Weight: 0.30 Kg
Used to replace the Super plate nut in hard-to-reach places; in this case it's completed with pressure plate. Admissible load: 90 kN (according to regulation DIN 18216).
Code: CC0005 | Weight: 0.30 Kg
Used with Universal fixing bolt (L=205 mm), Universal fixing bolt (L=330 mm) and Universal angle tie bracket. Can be used as an alternative to Plate nuts in hard-to-reach places. Admissible load: 90 kN (according to regulation DIN 18216).

DESTIL ACCESSORIES

PRESSURE PLATE



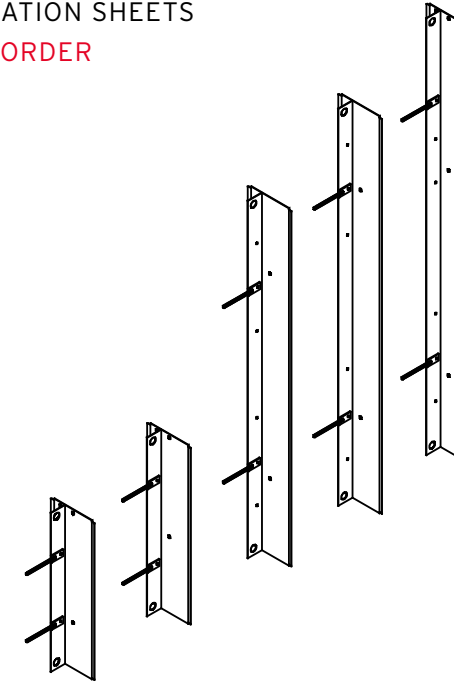
CODE	DESCRIPTION	WEIGHT (KG)
CC0015	Pressure plate	0.80

Used with Hexagon nut to tie down horizontally-oriented formwork; for execution of casting operations of limited height (about 1200 mm high).

DESTIL ACCESSORIES

COMPENSATION SHEETS

MADE TO ORDER

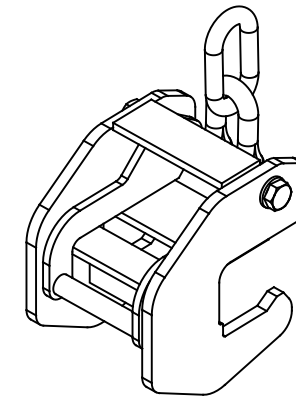


CODE	DESCRIPTION	WEIGHT (KG)
CC0006	Compensation sheets H=1200	23.50
CC0039	Compensation sheets H=1350	25.50
CC0040	Compensation sheets H=2700	46.50
CC0007	Compensation sheets H=3000	51.50
CC0041	Compensation sheets H=3300	56.50

Allows compensating the formwork module measures (from 10 to 300 mm) and also enables easier removing operations in closed spaces. Used in conjunction with Universal waling to which it must be fixed. The compensation sheet has appropriate holes planned for the tie rod's passage.

DESTIL ACCESSORIES

LIFTING HOOK

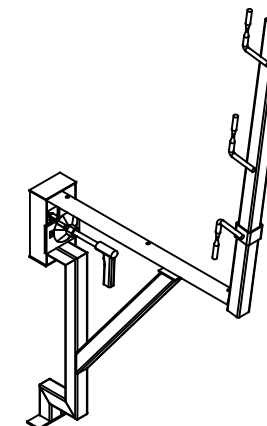


CODE	DESCRIPTION	WEIGHT (KG)
CC0010	Lifting hook	12.50

Used for lifting modules. Must be hooked-up with appropriate ropes which must not form middle angle greater than 60°. Each lifting hook has an admissible load of 1500 Kg. The lock system to the border profile of the formwork is auto-lock up. The lifting hook should be placed near the frame stiffenings.

DESTIL ACCESSORIES

FIXED BRACKET

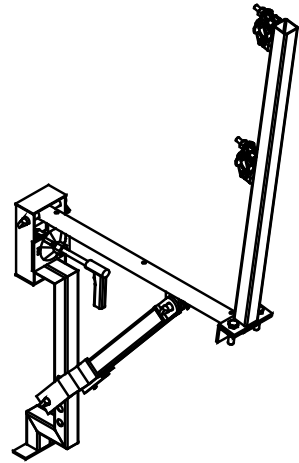


CODE	DESCRIPTION	WEIGHT (KG)
CC0022	Fixed bracket	16.80

Should be used for construction of casting platforms or service platforms together with Hy-plank boards with different spans (1140 mm, 1800 mm). Fixed bracket is joined to the formwork structure with appropriate fixing head. It is recommended to maintain the distance between two brackets not greater than 1.8 metres. The handrail should have timber board in the bottom, in the middle, and on the top of the vertical handrail structure; and the distance shouldn't be larger than 600 mm.

DESTIL ACCESSORIES

HINGED BRACKET
MADE TO ORDER

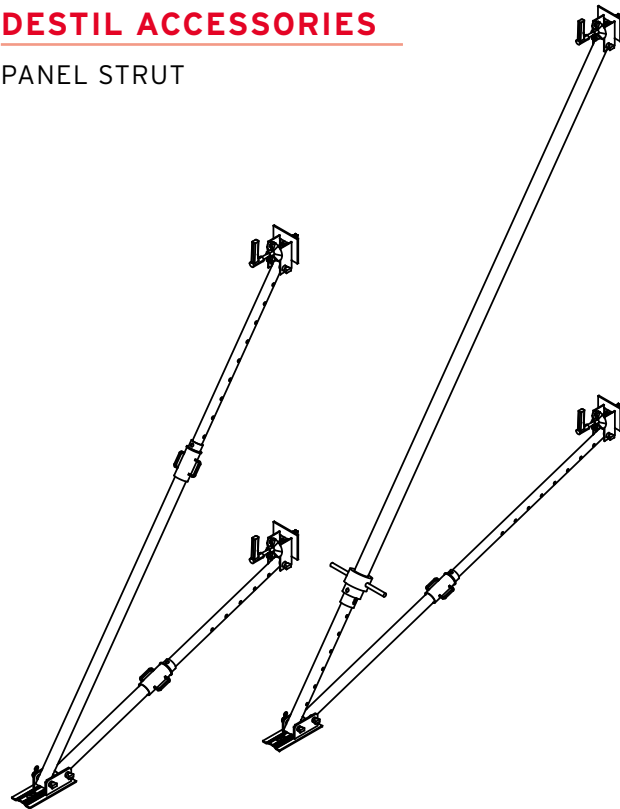


CODE	DESCRIPTION	WEIGHT (KG)
CC0023	Hinged bracket	20.00

Should be used for construction of casting platforms or service platforms together with Hy-plank boards that have different spans (1140 mm, 1800 mm). The access to the work platforms and casting platforms is granted with appropriate steel platform module with manhole place and appropriate ladder. Hinged bracket is joined to the formwork structure with appropriate fixing head. The adjustment devices allows reaching any required span due to usage of steel floor panels; an appropriate adjustment allows its employment also for the inclined walls.

DESTIL ACCESSORIES

PANEL STRUT

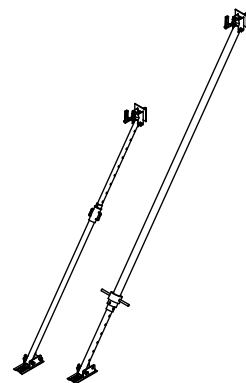


CODE	DESCRIPTION	WEIGHT (KG)
CC0025	Panel strut L=3400 mm	40.00
CC0026	Panel strut L=5400 mm	71.40

Code: CC0025 | Weight: 40.0 Kg
Panel strut allows the adjustment of formwork perfectly vertical and can reach up to 4.2 metres height. Has two telescopic arms; each of which has one Prop head which is suitable for anchorage to formwork at any point. The Prop shoe should be fixed to the ground in order to avoid turnover of the formwork.
Code: CC0026 | Weight: 71.40 Kg
As the previous one, allows to have formwork perfectly vertical and can reach up to 6.5 metres height. Has two telescopic arms; each of which has one Prop head which is suitable for anchorage to formwork at any point. The Prop shoe should be fixed to the ground in order to avoid turnover of the formwork.

DESTIL ACCESSORIES

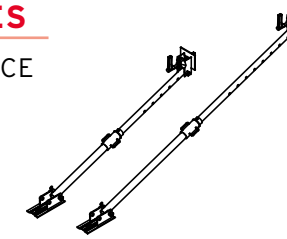
PANEL STRUT LONG BRACE



CODE	DESCRIPTION	WEIGHT (KG)
CC0036	Panel strut long brace L=3400 mm	23.10
CC0038	Panel strut long brace L=5400 mm	53.50

DESTIL ACCESSORIES

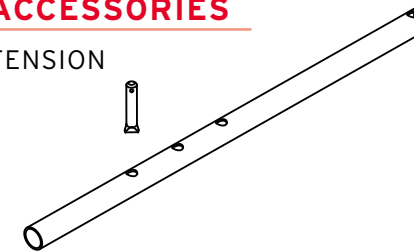
PANEL STRUT SHORT BRACE



CODE	DESCRIPTION	WEIGHT (KG)
CC0035	Panel strut short brace L=1500 mm	16.70
CC0037	Panel strut short brace L=3400 mm	23.10

DESTIL ACCESSORIES

PROPS EXTENSION

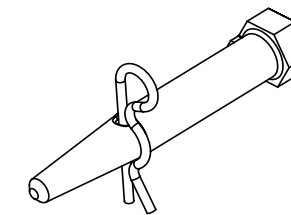


CODE	DESCRIPTION	WEIGHT (KG)
CC0027	Strut extension	17.00

Used to permit the vertical adjustment of two Panel struts (3400 or 5400 mm) up to 1000 mm. Each prop extension consists of two tubes completed with pins.

DESTIL ACCESSORIES

SPRING LOCKED CONNECTING PIN D20

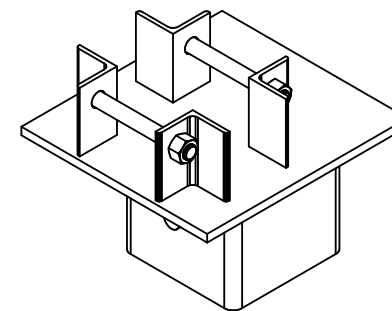


CODE	DESCRIPTION	WEIGHT (KG)
CC0021	Spring locked connecting pin D20	0.50

Used to fix the connection of Pouring Brackets and Plumbing Struts to formwork panels.

SUPER DESTIL ACCESSORIES

CONNECTION PLATE TYPE 1

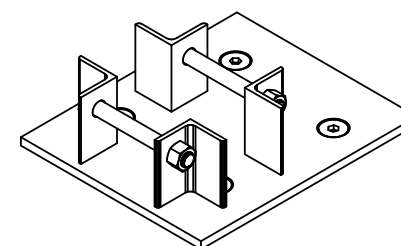


CODE	DESCRIPTION	WEIGHT (KG)
CC0120	Connection plate type 1	10.60

To be used in all single basic slab configurations and on the central 2400 element in wing configuration. It can be fixed to formwork panels by bolts or pins.

SUPER DESTIL ACCESSORIES

CONNECTION PLATE TYPE 2

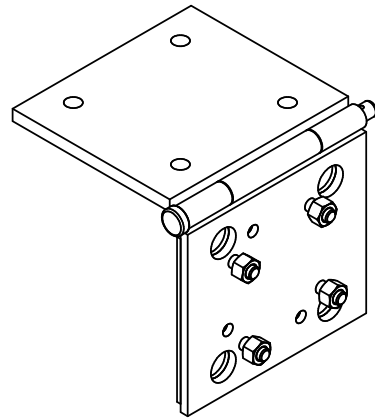


CODE	DESCRIPTION	WEIGHT (KG)
CC0121	Connection plate type 2	7.00

To be used for prop connection to lateral 1800 formwork elements, in wing configuration, and in combination with "Prop bracket-wing panel". It can be fixed to formwork panels by bolts or pins.

SUPER DESTIL ACCESSORIES

PROP BRACKET-WING PANEL

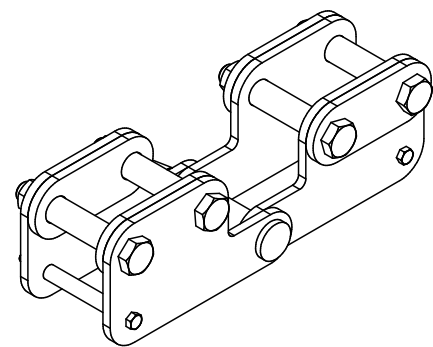


CODE	DESCRIPTION	WEIGHT (KG)
CC0122	Prop bracket-wing panel	14.00

To be used for prop connection to lateral 1800 formwork elements, in wing configuration, and in combination with "Connection plate type 2" to which is bolted.

SUPER DESTIL ACCESSORIES

FORMWORK TABLE HINGE

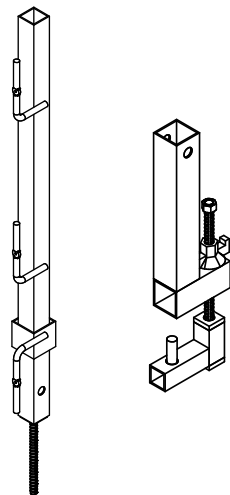


CODE	DESCRIPTION	WEIGHT (KG)
CC0123	Formwork table hinge	22.10

To be used to connect and to allow rotation between laterals (1800) and central (2400) formwork elements in wing configuration.

SUPER DESTIL ACCESSORIES

SUPER DESTIL PARAPET

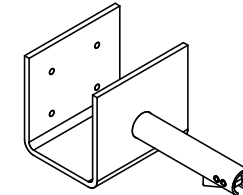


CODE	DESCRIPTION	WEIGHT (KG)
CC0124	Single parapet element	7.10
CC0125	Super Destil shoe	5.30

In combination with SUPER DESTIL SHOE can be locked in any position along the border formwork profile, either in horizontal (SLAB) configurations or in vertical (WALL) configurations. As SINGLE PARAPET ELEMENT can be fixed through the tie-holes (SLAB) or through the formwork profile lateral holes (WALL) using a DW15 nut.

SUPER DESTIL ACCESSORIES

INFILL BRACKET

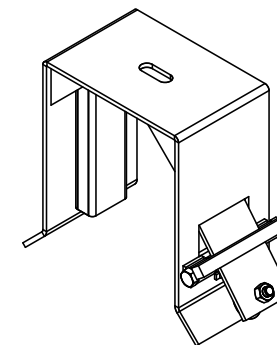


CODE	DESCRIPTION	WEIGHT (KG)
CC0126	Infill bracket	1.10

Is a self-locking bracket which allows to arrange compensations, using formwork profile lateral holes on SUPER DESTIL elements.

SUPER DESTIL ACCESSORIES

PROP LOCKING BRACKET

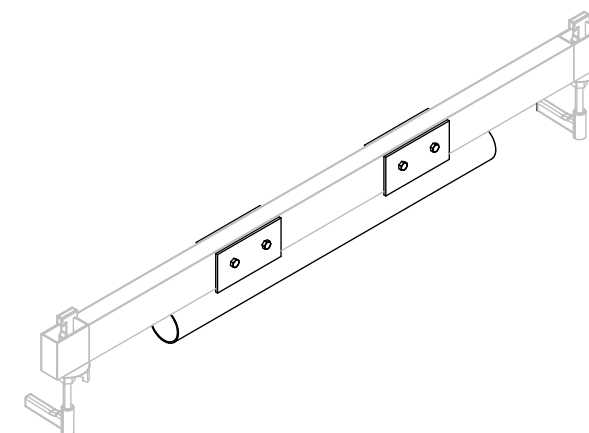


CODE	DESCRIPTION	WEIGHT (KG)
CC0127	Prop locking bracket	2.00

Is an accessory which allows to hold in horizontal position an ALU-PROP, in wing configuration during shifting operation.

SUPER DESTIL ACCESSORIES

WING CATCHING BRACKET



CODE	DESCRIPTION	WEIGHT (KG)
CC0128	Wing catching bracket	22.00

Accessory to be connected to lateral formwork in wing configuration, to allow formwork easy rotation during stripping phase.

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