



COMETAL®

Product Catalogue

FORMWORK
FLOOR FORMWORK
PREFAB & CUSTOM MOULDS

COMETAL nv - Formwork Solutions

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Our strengths, your benefit.

COMETAL N.V. has been specialized in the development, production, sales and rental of modular formwork, slab support systems and mould construction for precast concrete production for more than 40 years. Over the years, our rental process has been optimized in all its aspects, ensuring that customers can rely on a transparent collaboration and formwork projects can be carried out in the safest and most cost-effective manner.

Choosing Cometal is choosing:



Economization of the works

Our tandem engineering / technical consultants ensure that you can carry out your concrete and formwork works in the most cost-effective way. After analyzing your concrete project, we provide targeted advice on the phasing of the work, safety in execution and the deployment of teams and equipment. So you can carry out the work in the most cost-effective and economic way.



Solution-oriented expertise

As a manufacturer, Cometal has complete control over its own production and product development. From the smallest bolt and precision in welding to the selection of sustainable materials, every detail is carefully considered and solution-oriented. Our research, production, and rental departments are eager to share their expertise and craftsmanship, ensuring the success of every concrete project.



COMETAL[®]

shapes your concrete

3



Assured of delivery and flexibility

With a rental park of more than 60,000m² of formwork panels and an equal amount of slab support, we manage to simultaneously supply a series of major construction projects in the Benelux. Thanks to our logistics partners, the requested materials are delivered to and collected from your construction site at the agreed-upon times. Relieving our customers through our logistic reliability is a core value at Cometal.



Transparent services

Thanks to transparent quotes, reliable technical advice and a well-thought-out rental process, we stand by your side on a daily basis. Our most valuable rental material are equipped with an RFID chip, allowing real-time insight into the movements in our rental stocks. This enables us to minimize loss, disputes, and unnecessary costs, ensuring even better service to our customers.








WALL FORMWORK

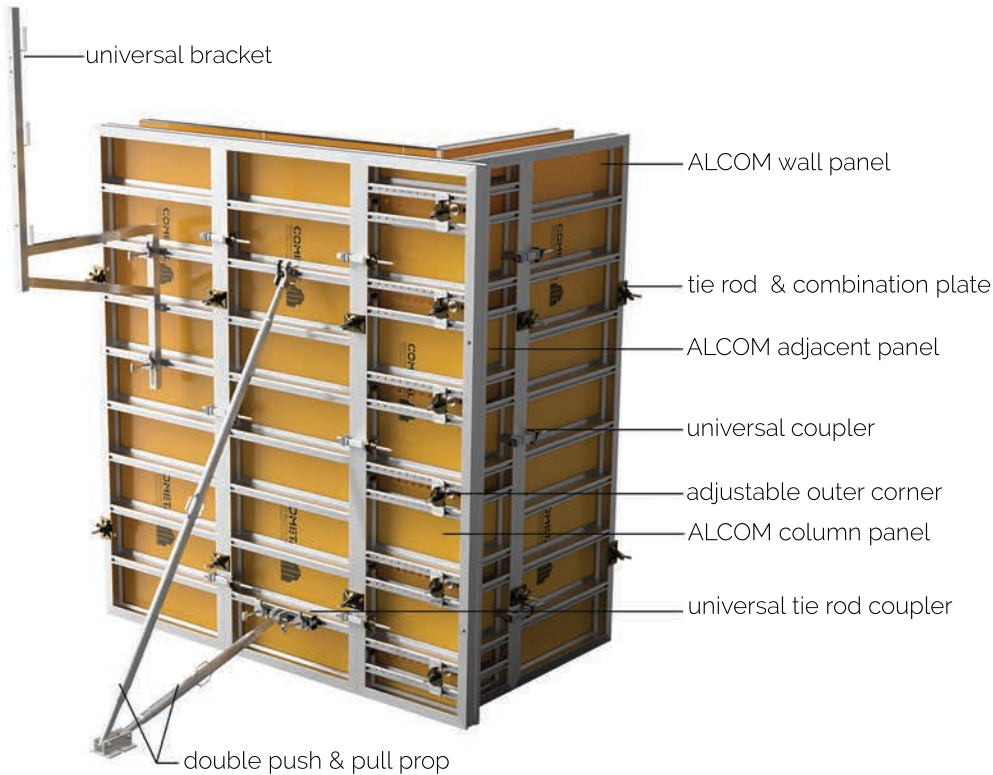
ALCOM • DELTA • CICOM • BIMET • COLUMN & BEAM FORMWORK • HORAD



COMETAL[®]
ALCOM FORMWORK

ALCOM formwork

Profiled aluminum frame with a robust contact plate.



Applications:

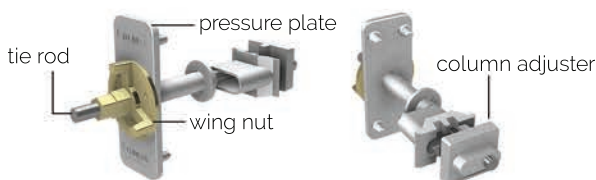
- Basements
- Wall formwork
- Column formwork
- Foundation formwork
- Retaining walls
- Partition walls

Specifications:

- Max. concrete pressure: 80 kN/m²
- Weight: 40 kg/m² (incl. accessories)
- Corners: adjustable per 10 mm (patented column adjuster)

The ALCOM formwork is constructed with a profiled aluminum frame and features a high-quality contact plate made of concrete plywood with tropical hardwood, thickness 18mm and a coating of 450 gr/m². The ALCOM formwork is modular in structure and is compatible with other formwork systems from Cometal, providing a sufficiently high degree of finishing to concrete for various common applications such as basement walls, retaining walls, partition walls in infrastructure works, foundations, etc.

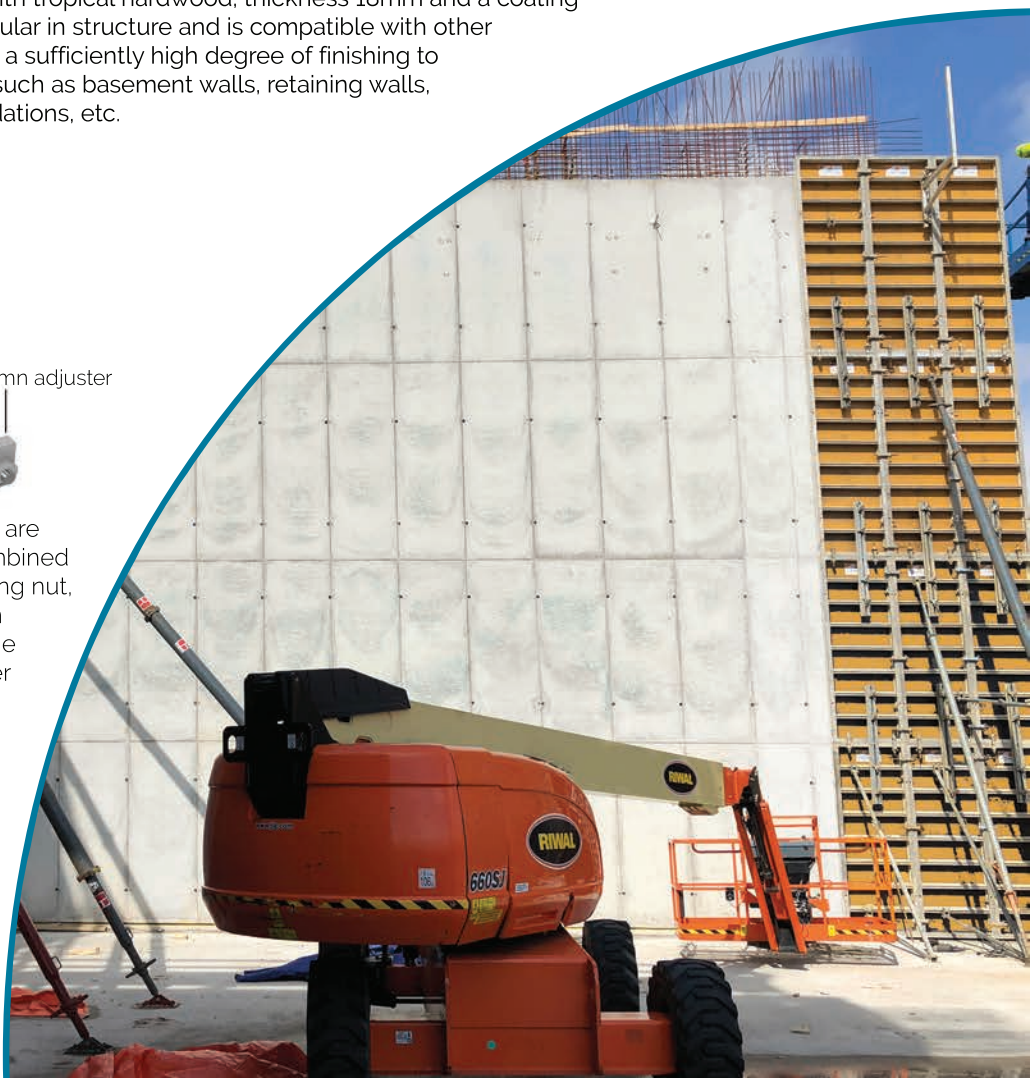
Adjustable outer corner:



The adjustment holes in the column panels are spaced 50 mm apart (center to center). Combined with the 6 adjustment options of the adjusting nut, the column panels are adjustable by 10 mm increments. Therefore, the thicknesses of the concrete walls are adjustable per centimeter rather than per 50 mm.

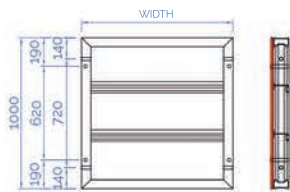
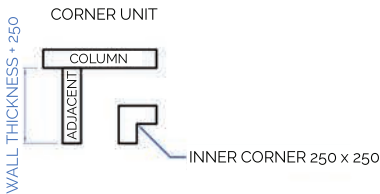
Properties:

- Profiled aluminum frame
- Compatible with all COMETAL formworks
- Concrete plywood made of tropical hardwood with a coating of 450 gr/m²

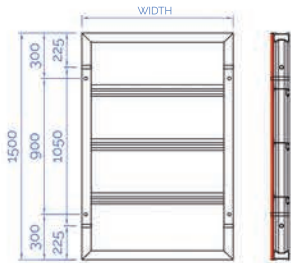


ALCOM formwork

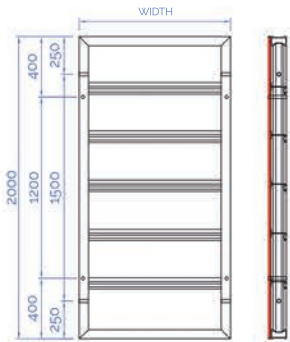
Overview & dimensions ALCOM panels



WALL PANEL 1000 x width

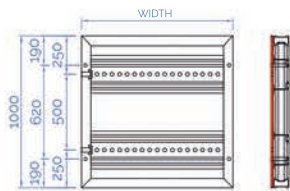


WALL PANEL 1500 x width

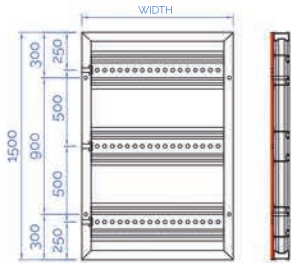


WALL PANEL 2000 x width

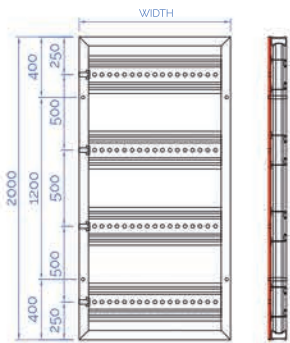
widths (mm)	300	350	400	450	500	550	600	650	700	750	1000	1250
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COLUMN PANEL 1000 x width

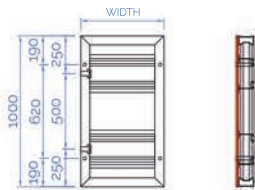


COLUMN PANEL 1500 x width

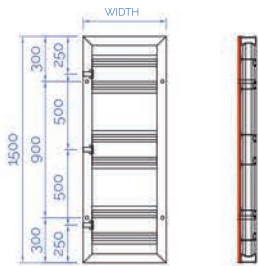


COLUMN PANEL 2000 x width

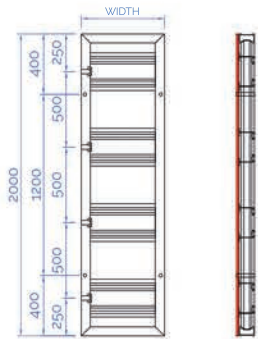
widths (mm)	500	600	750	1000
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ADJACENT PANEL 1000 x width

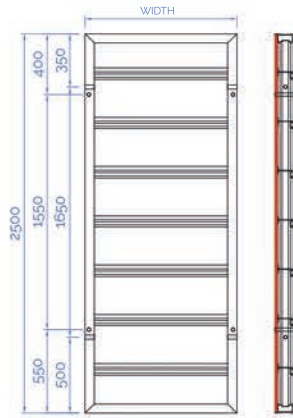


ADJACENT PANEL 1500 x width

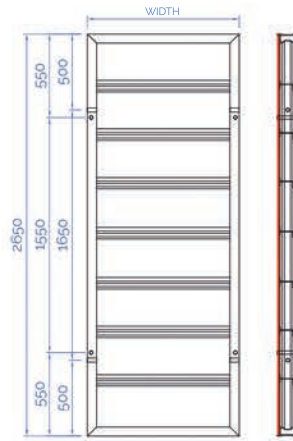


ADJACENT PANEL 2000 x width

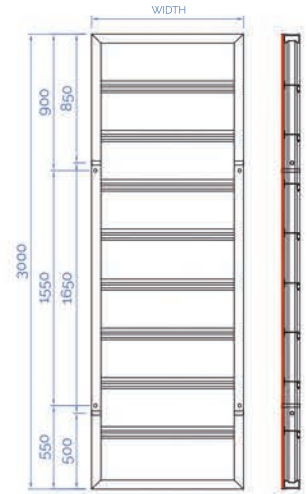
widths (mm)	400	450	500	550	600
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WALL PANEL 2500 x width

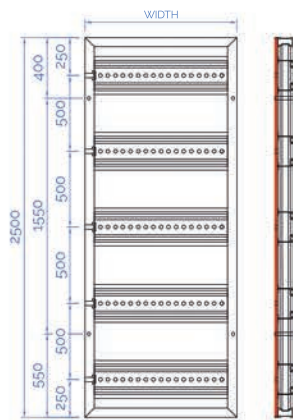


WALL PANEL 2650 x width

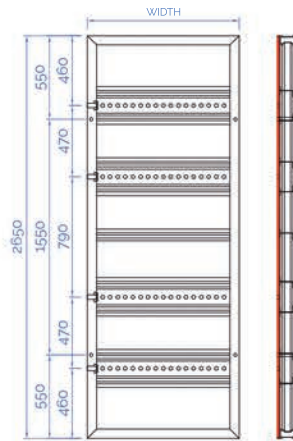


WALL PANEL 3000 x width

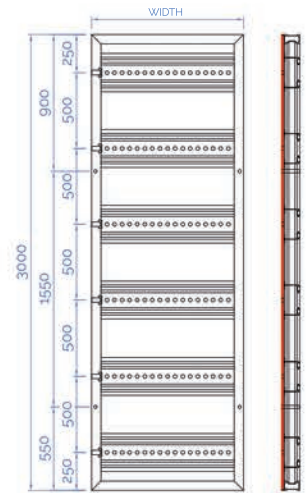
widths (mm)	300	350	400	450	500	550	600	650	700	750	1000	1250
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COLUMN PANEL 2500 x width

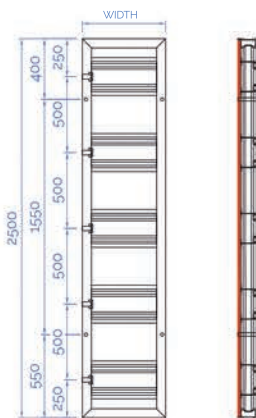


COLUMN PANEL 2650 x width

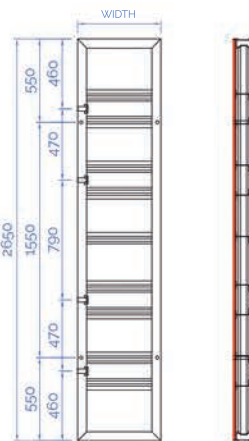


COLUMN PANEL 3000 x width

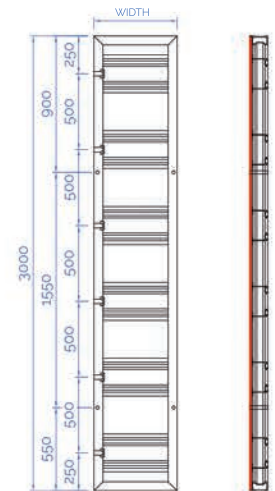
widths (mm)	500	600	750	1000
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ADJACENT PANEL 2500 x width



ADJACENT PANEL 2650 x width



ADJACENT PANEL 3000 x width

widths (mm)	400	450	500	550	600
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COMETAL[®]

DELTA FORMWORK

DELTA formwork

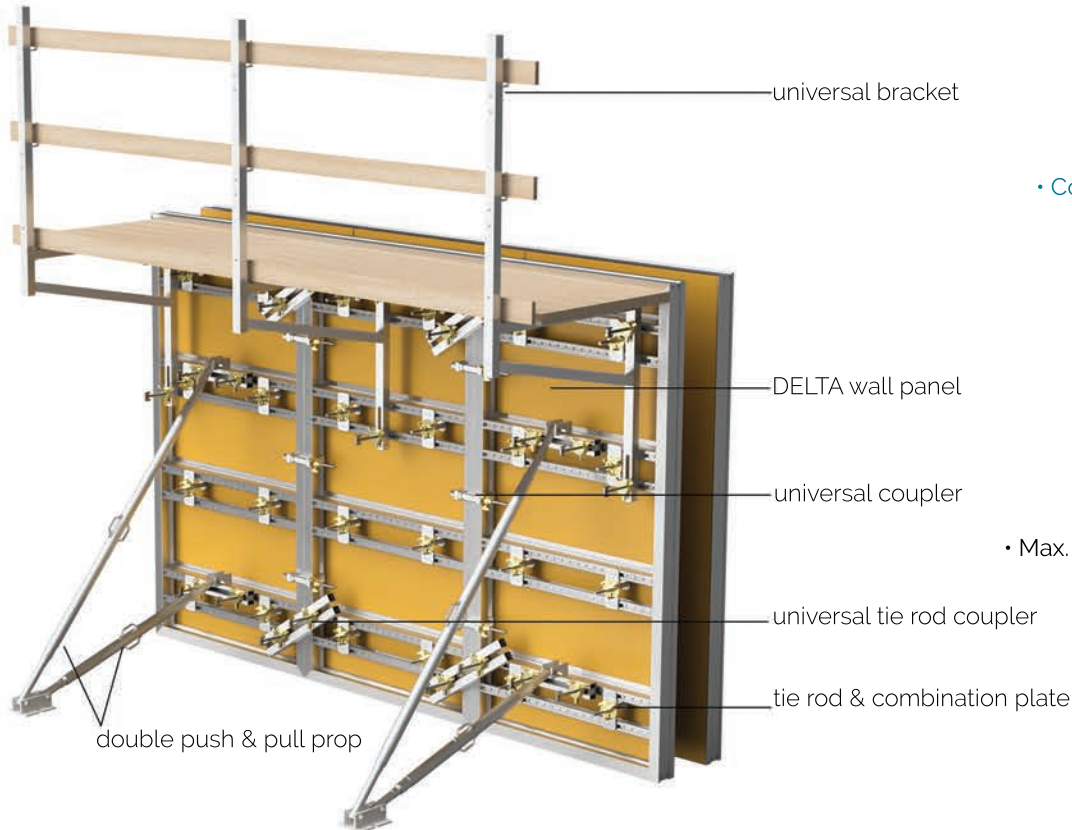
Architects appreciate clean symmetry in concrete.

Applications:

- Exposed concrete
- Architectural concrete
- Concrete wall with symmetrical panels and tie holes

Specifications:

- Max. concrete pressure: 80 kN/m²
- Weight: 40 kg/m² (incl. accessories)



The DELTA panel system is constructed in the same way as the ALCOM panels but with symmetry in the panel sizes and positions of the tie rod holes. The standard DELTA panel has dimensions of 2400 x 1200 mm. The uniform pattern of holes follows a grid of 600 x 600 mm. This results in a unique and sleek symmetrical appearance in concrete walls. DELTA was developed at the request of the architectural world as a solution for in-situ architectural concrete with a uniform visual effect.

Properties:

- Profiled aluminum frame
- Compatible with all COMETAL wall formwork
- Concrete plywood made of tropical hardwood with a coating of 450 gr/m²

Dimensions (mm):

- 2400 x 1200
- 2400 x 600
- 1200 x 1200
- 1200 x 600

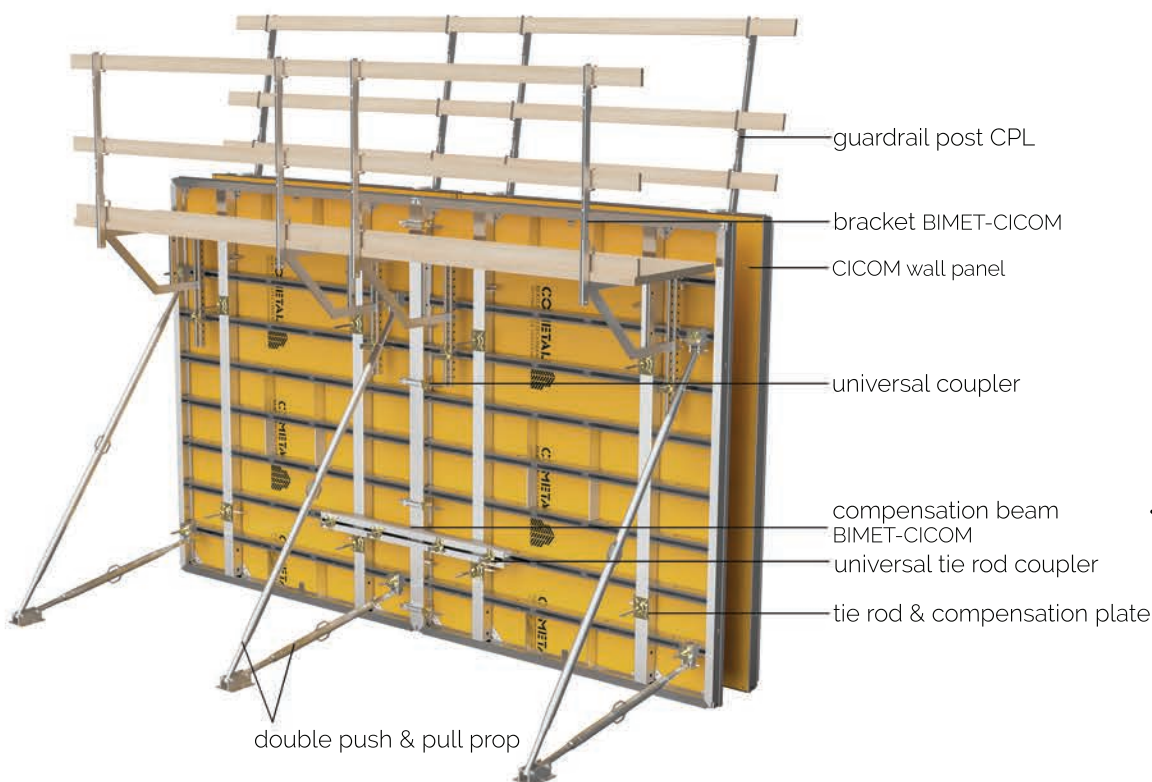




COMETAL[®]
CICOM FORMWORK

CICOM formwork

Focus on profitability with modular large surface formwork.



Applications:

- High and tall walls
- General construction
- Project construction
- Civil engineering

Specifications:

- Max. concrete pressure: 80 kN/m²
- Weight: 90 kg/m² (incl. accessories)

The CICOM formwork is the robust large surface panel from Cometal, specifically designed for achieving very high efficiency in pouring tall and long walls in general, project and civil construction. The profiled and galvanized steel frames, available in sizes of 3000 x 2400 mm or 2650 x 2400 mm, can withstand concrete pressures up to 80 kN/m², ensuring maximum compliance with concrete surface requirements. The frames are equipped with only 4 tie-holes, 4 lifting loops and an adjustment recess for a crowbar. The contact surface consists of a durable one-piece 18 mm thick hardwooden plywood with a coating of 450 gr/m². As the panels are tightly connectable the CICOM formwork ensures a smooth concrete surface.

Properties:

- Galvanized steel frame
- Compatible with all COMETAL wall formworks
- Tropical hardwood plywood with a coating of 450 gr/m²
- Adjustment recess for crowbars

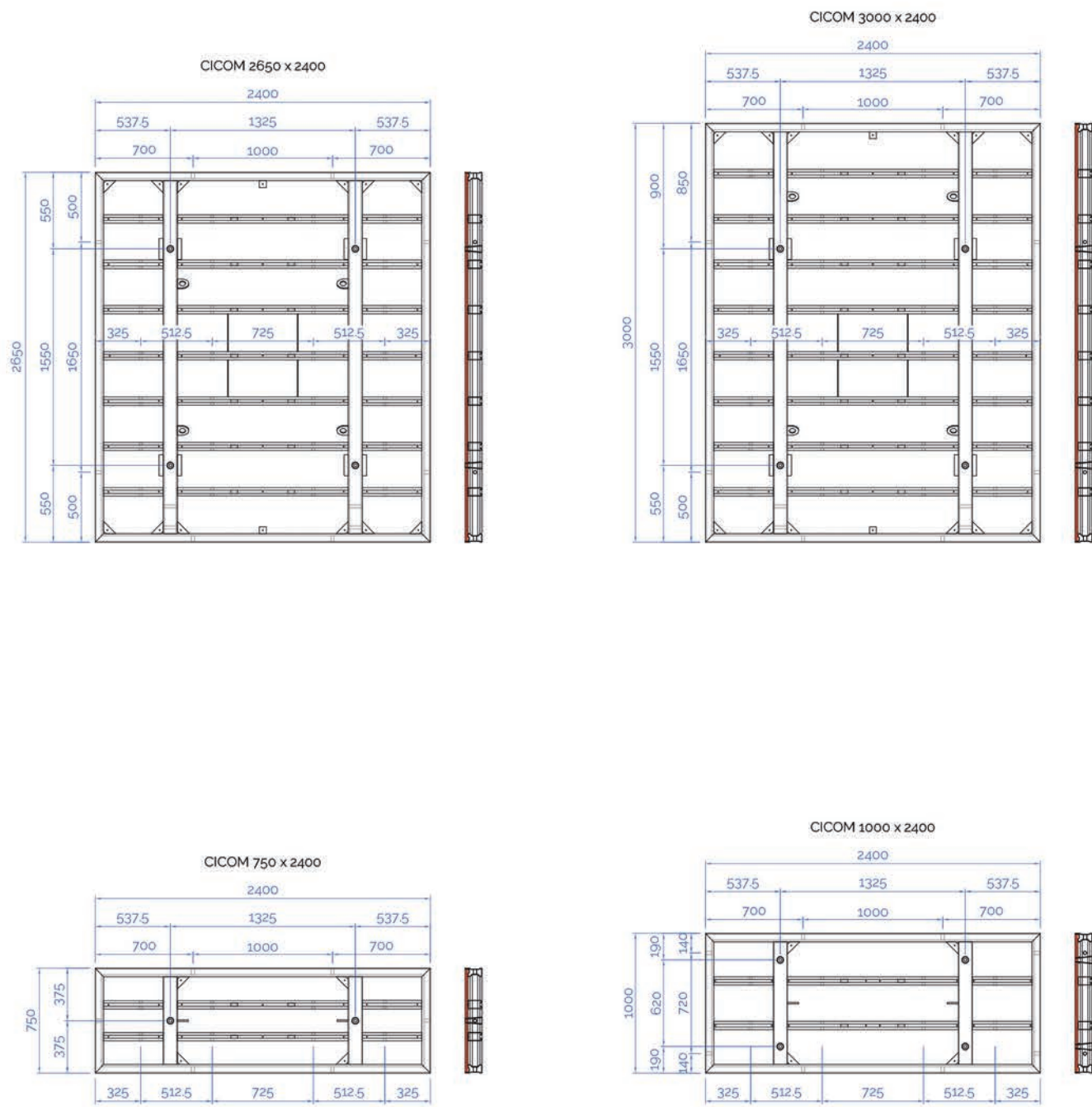
Dimensions (mm):

- 2650 x 2400
- 3000 x 2400
- 750 x 2400
- 1000 x 2400



CICOM formwork

Overview & dimensions CICOM panels.





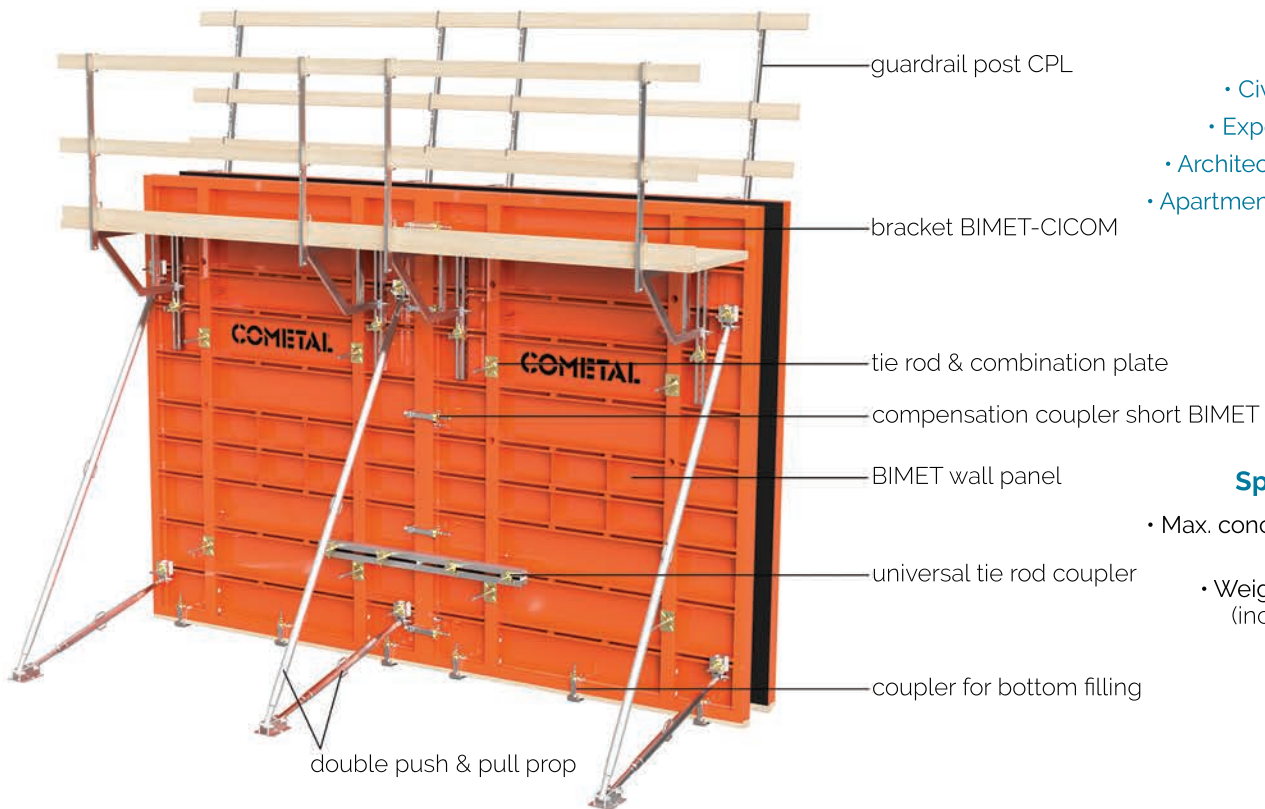


COMETAL[®]

BIMET FORMWORK

BIMET formwork

Steel contact plate for architectural and exposed concrete.



Applications:

- Civil engineering
- Exposed concrete
- Architectural concrete
- Apartment construction

Specifications:

- Max. concrete pressure: 100 kN/m²
- Weight: 130 kg/m² (incl. accessories)

The modular BIMET formwork system features a frame made of profiled steel and a steel contact plate with a thickness of 5 mm. Fine panel joints result in smooth, seamless concrete walls with minimal imprints from the formwork into the concrete. Even under concrete pressures of 100 kN/m², BIMET meets the most demanding surface assessment classes. The use of tie rods with a diameter of 20 mm and a working load of 140 kN allows the formwork to be used for pouring structures under concrete pressures up to 100 kN/m². This groundbreaking formwork system is perfectly suited for large-scale civil construction projects and infrastructure, even with self-compacting and self-leveling concrete compositions.

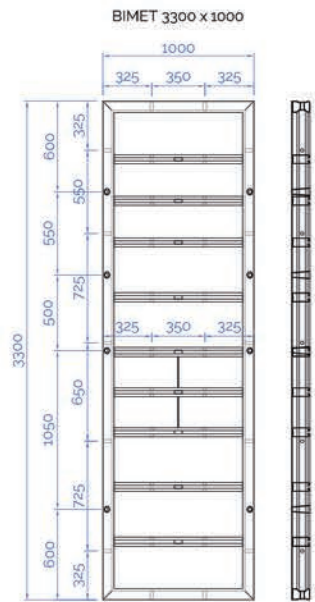
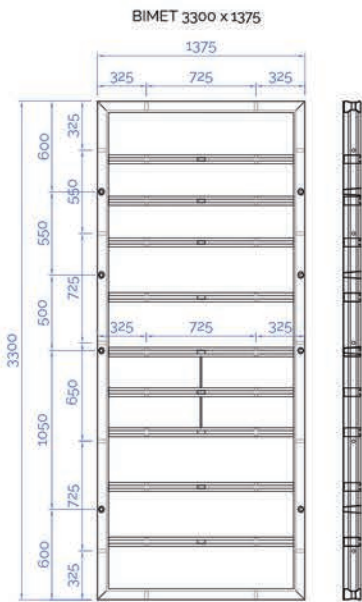
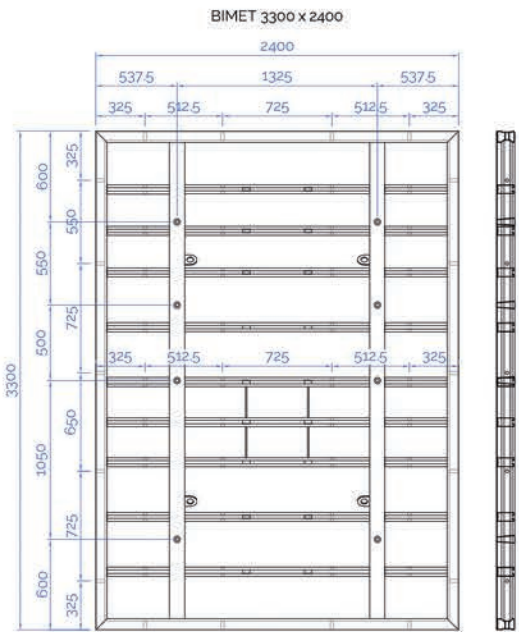
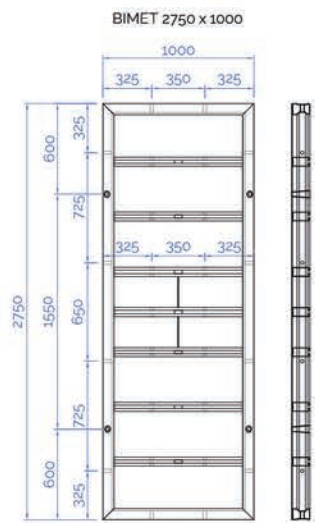
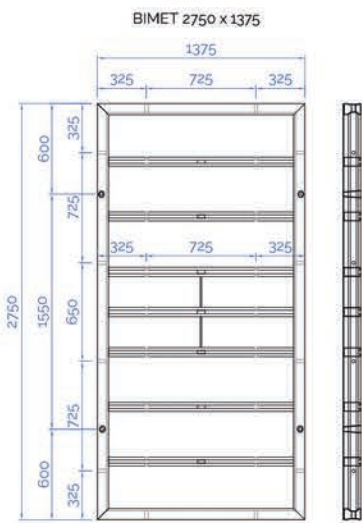
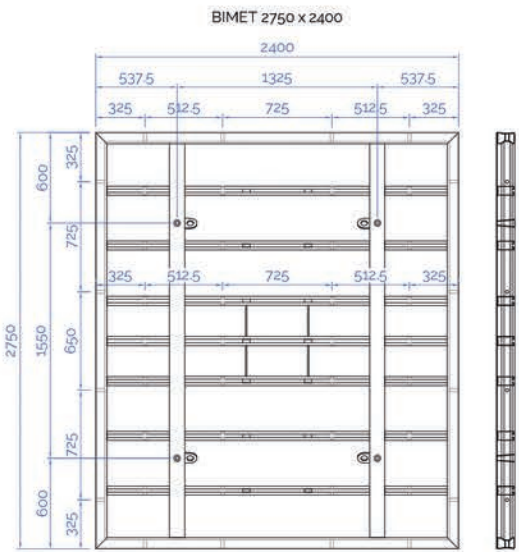
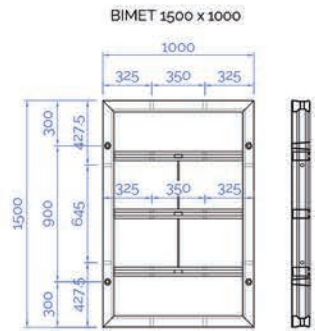
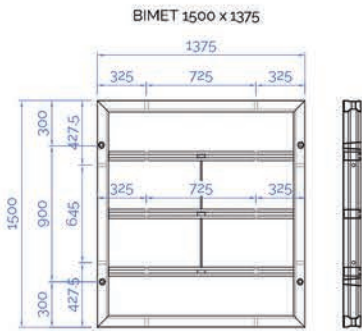
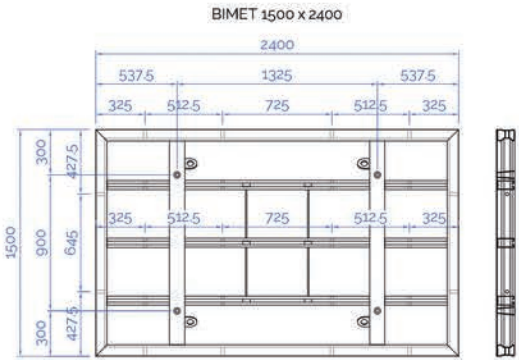
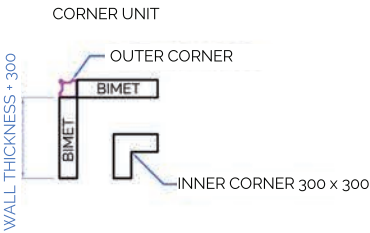
Properties:

- Frame made of profiled steel
- Compatible with all COMETAL wall formworks
- Contact plate made of steel with a thickness of 5 mm
- Joints in concrete < 2 mm
- Meets the highest aesthetic requirements

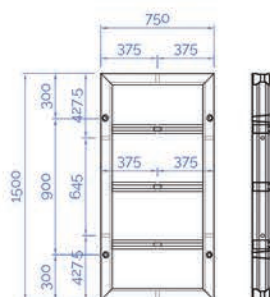


BIMET formwork

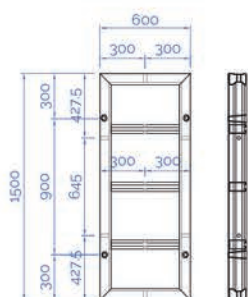
Overview & dimensions BIMET panels



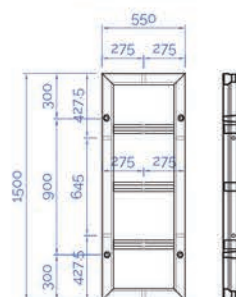
BIMET 1500 x 750



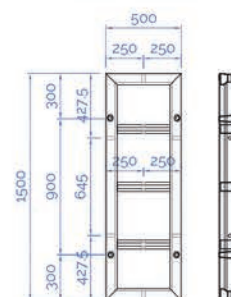
BIMET 1500 x 600



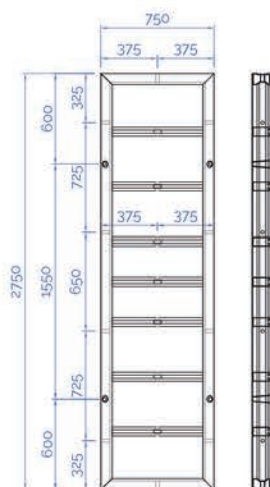
BIMET 1500 x 550



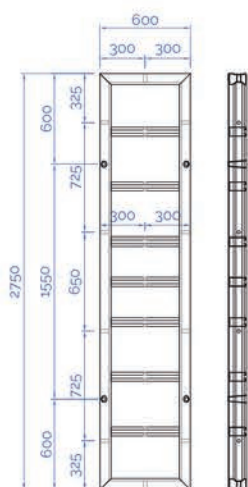
BIMET 1500 x 500



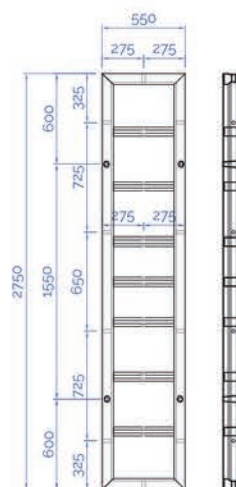
BIMET 2750 x 750



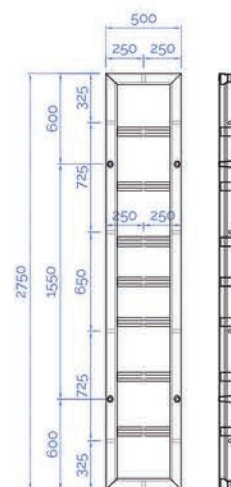
BIMET 2750 x 600



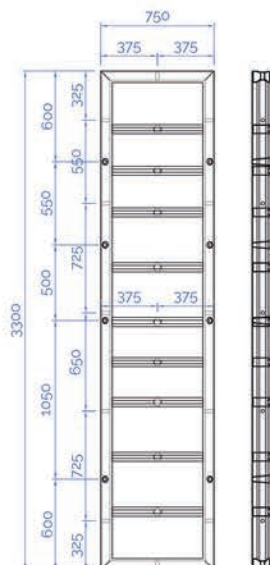
BIMET 2750 x 550



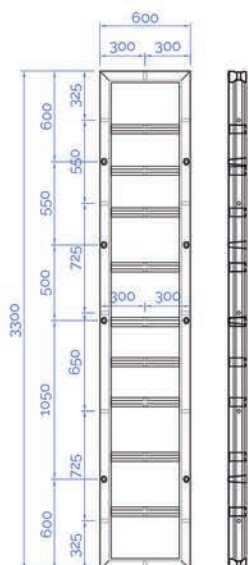
BIMET 2750 x 500



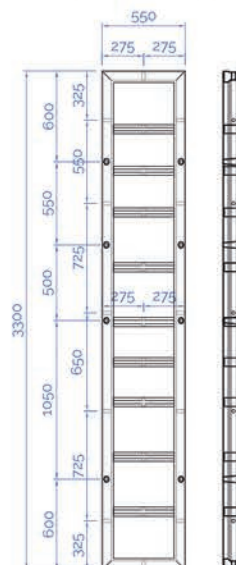
BIMET 3300 x 750



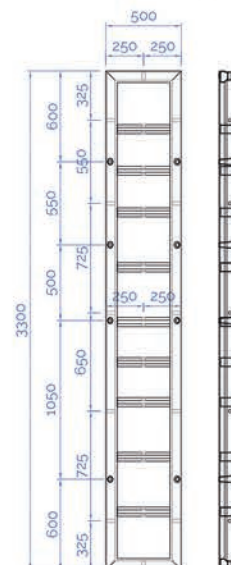
BIMET 3300 x 600



BIMET 3300 x 550



BIMET 3300 x 500



BEAM & COLUMN FORMWORK: COLUMNS

Column solutions with modular system formwork.

Cometal offers various solutions for column construction. The millwing column system is entirely movable and adjustable in increments of 50 mm. By arranging the modular ALCOM column panels in a windmill pattern, the thickness of each side of the column can be adjusted per centimeter instead of per 50 mm. In semi-traditional column setups, only 2 ALCOM panels are used, with the heads closed off by traditional formwork. Finally, the COMETAL rental battery can be deployed on large construction sites for on-site production of prefabricated columns or beams, see page 55.



MILLWING COLUMN FORMWORK

Mobile formwork system, fully movable.

- Column thickness from 200 - 600 mm
- Heights: 3000 mm, 2650 mm, and 1500 mm
- Adjustable in increments of 50 mm
- Integrated safety features & push & pull props
- Movable without the use of a crane
- Stackable in height

COLUMN FORMWORK ALCOM | SEMI-TRADITIONAL SETUP

Pouring columns with just two ALCOM panels.

- Closure by girders on either side of the panels
- Simple/few accessories



COLUMN FORMWORK ALCOM | MILLWING SETUP

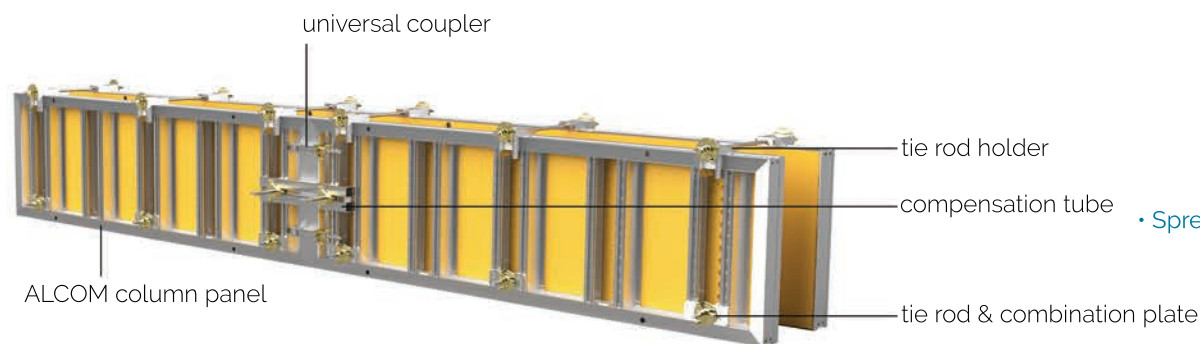
Most precise adjustability.

- Setup with 4 ALCOM column panels with adjustable outer corner
- Dimensions of sides adjustable with precision up to 10 mm

BEAM & COLUMN FORMWORK: BEAMS

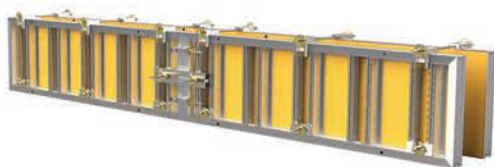
Solutions for beams with modular system formwork.

Cometal panel formwork can also be used horizontally. Thanks to the use of the coupler spacers, the panels are connected to each other through limited tie holes. Ideal for use as girder formwork at height, beam structures, foundations and piers.



Applications:

- Floor slabs
- Foundations
- Beam structures
- Spread footing formwork



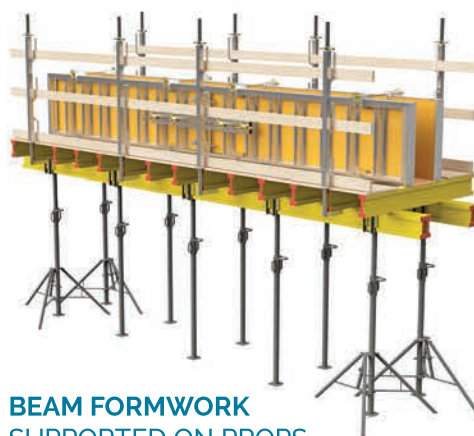
BEAM FORMWORK WITH ALCOM COLUMN PANELS

Only one tie rod hole at the bottom of the beam



BEAM FORMWORK WITH BASE COUPLERS

No tie rod holes



BEAM FORMWORK SUPPORTED ON PROPS

Including safety with variable guardrail posts

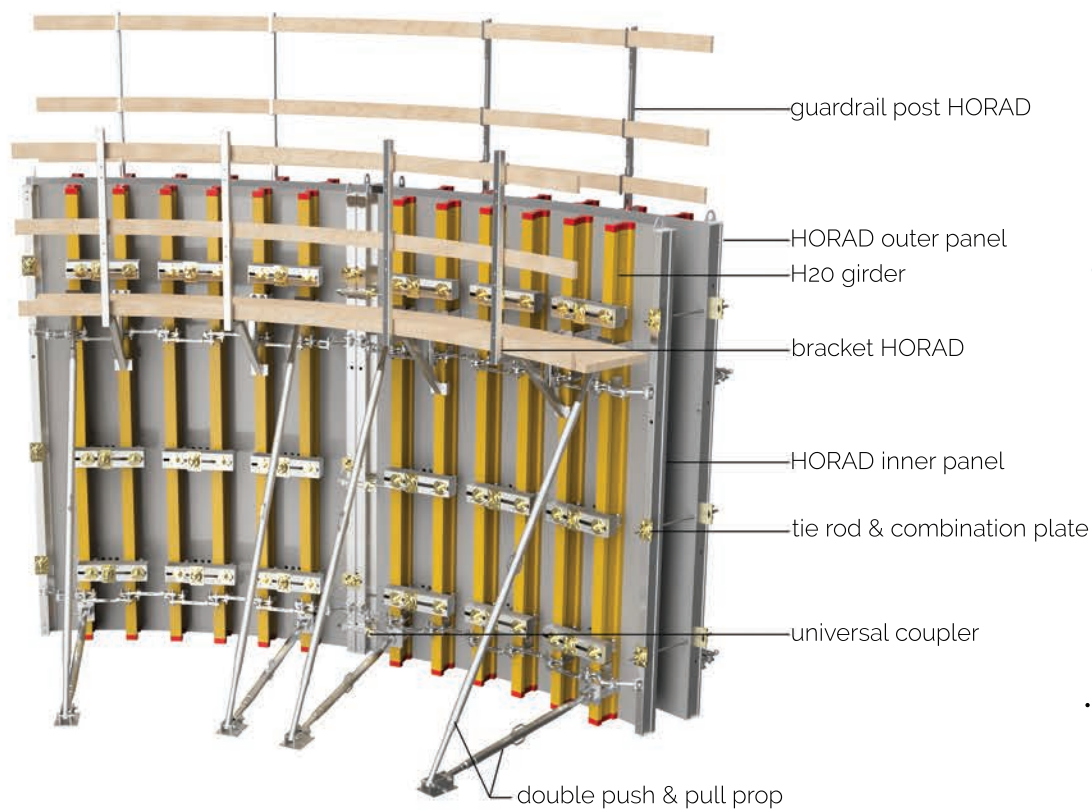




COMETAL[®]
HORAD FORMWORK

HORAD formwork

Circular formwork on radius for curved concrete walls.



Applications (vertical):

- Curved walls
- Entrance walls
- Civil engineering
- Foundation of windmills
 - WWTp's (Wastewater Treatment Plants)

Specifications:

- Max. concrete pressure: 80 kN/m²
- Weight: 70 kg/m² (incl. accessoires)
- Radius adjustable from 1.20 m

The modular HORAD formwork is used for pouring curved concrete walls in-situ. The adjustable formwork is constructed from vertically positioned H20 girders, connected by a horizontal girdle of tensioners. On the visible side of the panel, there is an Alkus fiber-reinforced solid plastic sheet. This composite sheet is radius-adjusted by correctly setting the tensioners. Cometal sets the desired radius for you in advance. The metal profile at the edges of the HORAD formwork is the standard Cometal profile, making the HORAD system perfectly compatible with other Cometal formwork systems.

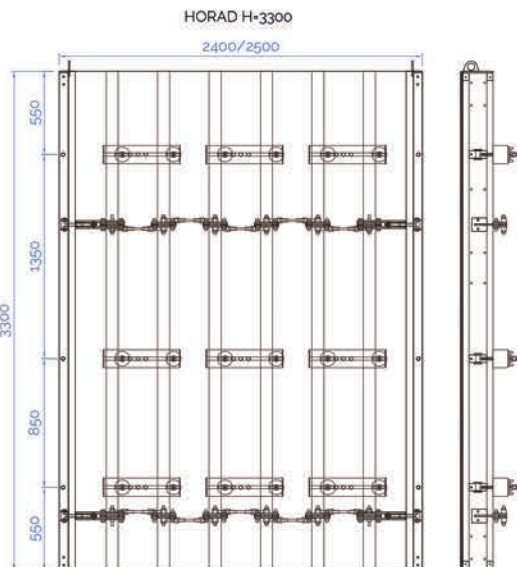
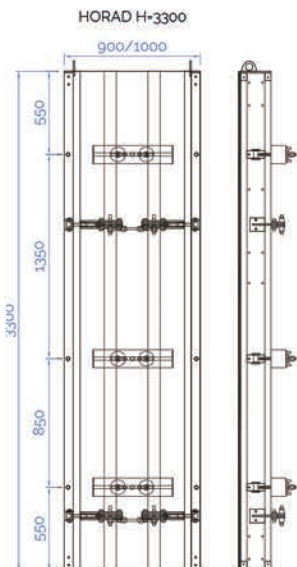
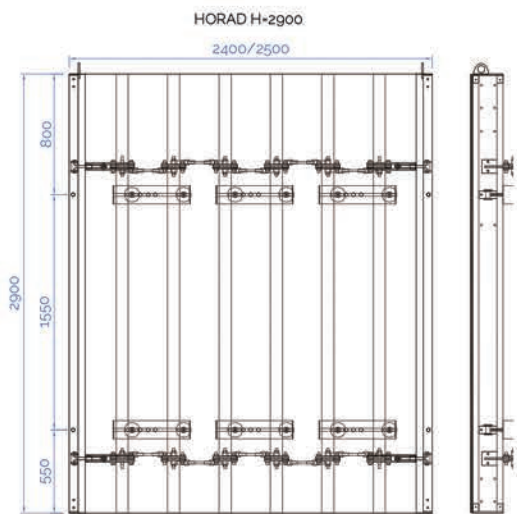
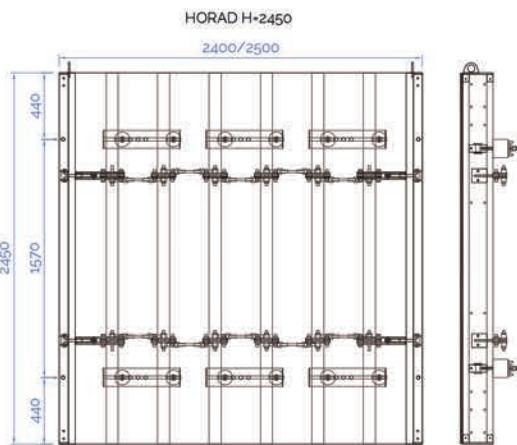
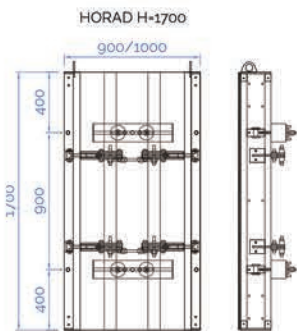
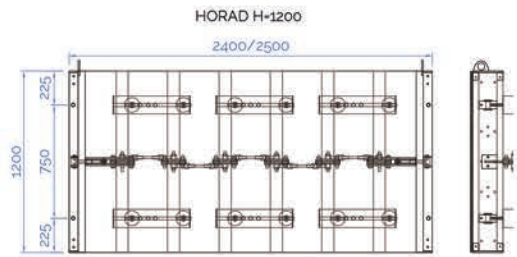
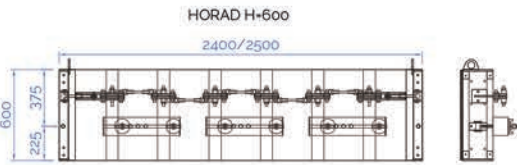
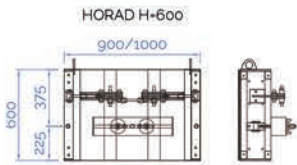
Properties:

- Compatible with all COMETAL wall formworks
- Alkus reinforced solid plastic composite sheet
- Composite sheet is radiused by a horizontal girdle of tensioners
- Vertical H20 girders
- Radius is adjustable from 1.2m to "straight"



HORAD formwork

Overview & dimensions of HORAD panels.





ACCESSORIES

COUPLERS • NUTS • TIE RODS & LIFTING HOOKS • MISCELLANEOUS
PUSH & PULL PROPS • PUSH & PULL PROP FIXATIONS
COMPENSATION BEAMS & COMPENSATION TUBES

COUPLERS

UNIVERSAL COUPLER

Item number: KLE003

Info: 3.46 KG

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●	●	●

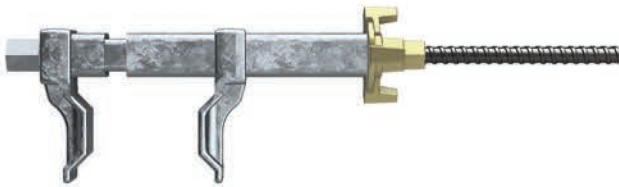


COMPENSATION COUPLER

Item number: KLE004

Info: 4.52 KG

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●	●	●

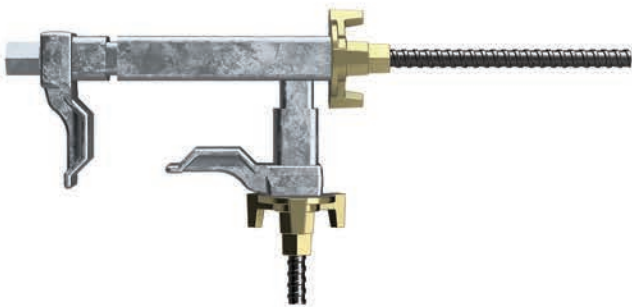


CORNER COUPLER

Item number: KLE007

Info: 5.78 KG

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●	●	●

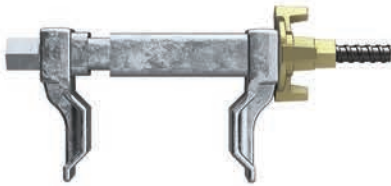


COMPENSATION COUPLER SHORT BIMET

Item number: KLE013

Info: 3.63 KG

ALCOM	DELTA	CICOM	BIMET	HORAD
			●	

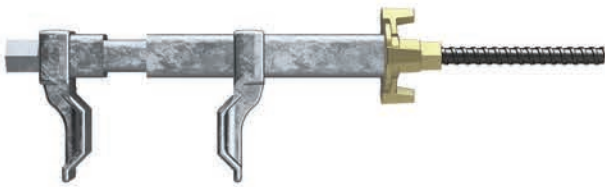


COMPENSATION COUPLER BIMET

Item number: KLE014

Info: 4.42 KG

ALCOM	DELTA	CICOM	BIMET	HORAD
			●	

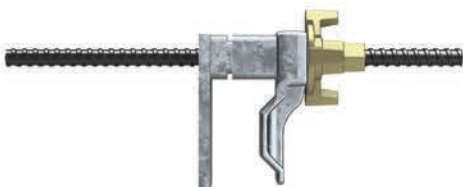


COUPLER HEAD SEAL

Item number: KLE023

Info: 3.26 KG

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●	●	●



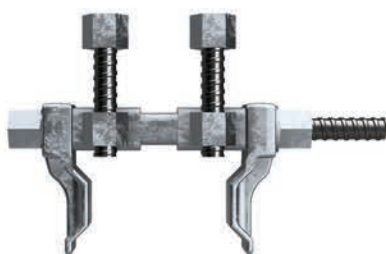


COUPLER FOR BOTTOM FILLING

Item number: KLE017

Info: 3,90 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
•	•	•	•	



ALIGNMENT COUPLER BIMET

Item number: KLE018

Info: 4,90 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
			•	



BASE COUPLER

Item number: KLE008

Info: 1,70 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
•	•	•		



BASE COUPLER BIMET

Item number: KLE022

Info: 1,70 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
			•	

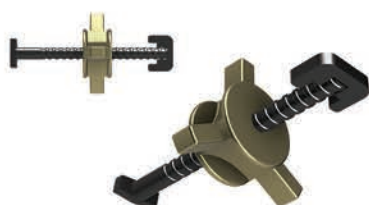


BASE COUPLER HORAD CPL

Item number: KLE011

Info: 4,25 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
				•



UNIVERSAL TIE ROD COUPLER

Item number: KLE021

Info: 1,28 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
•	•	•	•	

NUTS

COLUMN ADJUSTER Ø 15 mm

Item number: MOE015011

Info: 0.76 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
●				

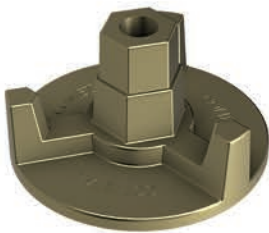


WING NUT Ø 15 mm (100 mm)

Item number: MOE015002

Info: 0.72 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●	●	●

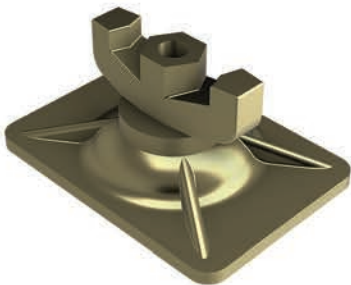


COMBINATION PLATE Ø 15 mm

Item number: MOE015004

Info: 1.43 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●		●

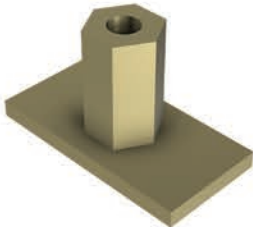


HEX NUT + PLATE WASHER Ø 15 mm

Item number: MOE015005

Info: 0.50 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●		●

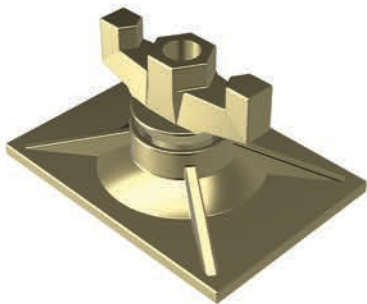


COMBINATION PLATE Ø 20 mm

Item number: MOE20002

Info: 1.39 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
		●	●	



TIE RODS + CRANE LIFTING HOOKS



TIE ROD Ø 15 mm | 0.35 m

Item number: SPA015035

Info: 0.53 KG | 85kN

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●		●



TIE ROD Ø 15 mm | 0.75 - 2.00 m

Item number: SPA015xxx

Info: 1.13-3.00 kg | per 0.25 m | 85 kN

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●		●

0,75m - 1,00m - 1,25m - 1,50m - 1,75m - 2,00m



TIE ROD Ø 20 mm | 0.35 m

Item number: SPA020035

Info: 0.91 kg | 140 kN

ALCOM	DELTA	CICOM	BIMET	HORAD
		●	●	



TIE ROD Ø 20 mm | 0.75 - 2.00 m

Item number: SPA020xxx

Info: 1.95-5.20 kg | per 0.25 m | 140 kN

ALCOM	DELTA	CICOM	BIMET	HORAD
		●	●	

0,75m - 1,00m - 1,25m - 1,50m - 1,75m - 2,00m



CRANE LIFTING HOOK ALCOM/CICOM

Item number: HIJ011

Info: 9.40 kg | 1500 kg CE

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●		



CRANE LIFTING HOOK BIMET

Item number: HIJ004

Info: 9.40 kg | 1500 kg CE

ALCOM	DELTA	CICOM	BIMET	HORAD
			●	

MISCELLANEOUS

PRESSURE PLATE

Item number: TOE001

Info: 1.56 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
●				



TIE ROD HOLDER

Item number: TOE002

Info: 2.40 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●		



RAISED TIE ROD HOLDER

Item number: TOE005

Info: 3.50 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●		



CONNECTION SET BIMET-CICOM CPL.

Item number: TKSZGT

Info: 1.30 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
		●	●	



PIVOT 15 mm CPL.

Item number: TPC015

Info: 0.15 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
				●

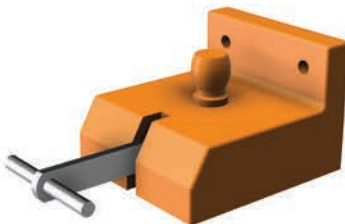


MAGNET STANDARD 400 kg

Item number: TMB400

Info: 3.30 kg | 135 x 128 x 95 mm

ALCOM	DELTA	CICOM	BIMET	HORAD
			●	



PUSH & PULL PROPS



PUSH & PULL PROP 38RL 180

Item number: RIC038001

Info: 10.25 kg | without head

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●	●	●

PUSH & PULL PROP 38RL 420

Item number: RIC038003

Info: 21.05 kg | without head

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●	●	●



DOUBLE P&P PROP 38RL 180-240

Item number: RIC038004

Info: 26.10 kg | without heads

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●	●	●

DOUBLE P&P PROP 38RL 180- 300

Item number: RIC038007

Info: 27.99 kg | without heads

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●	●	●



DOUBLE P&P PROP 38RL 180-360

Item number: RIC038008

Info: 29.90 kg | without heads

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●	●	●

DOUBLE P&P PROP 38RL 180-420

Item number: RIC038005

Info: 32.20 kg | without heads

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●	●	●

COMETAL®

PUSH & PULL PROPS

DOUBLE PUSH & PULL PROP 38RL

240-360

Item number: RIC038011

Info: 34.50 kg | without heads

240-420

Item number: RIC038006

Info: 36.90 kg | without heads

ALCOM	DELTA	CICOM	BIMET	HORAD
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



PUSH & PULL PROP 48RL

400

Item number: RIB048400

Info: 25.06 kg | without head

600

Item number: RIB048600

Info: 39.20 kg | without head

ALCOM	DELTA	CICOM	BIMET	HORAD
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



PUSH & PULL PROP 6,30-10,00m

Item number: RIC062

Info: 112.13 kg | without head

ALCOM	DELTA	CICOM	BIMET	HORAD
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



PUSH & PULL PROP FIXATIONS



BRACE CONNECTOR ALCOM CPL

Item number: RIC102

Info: 2.45 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
•	•			



BRACE CONNECTOR BIMET-CICOM CPL

Item number: RIC108

Info: 3.49 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
		•	•	

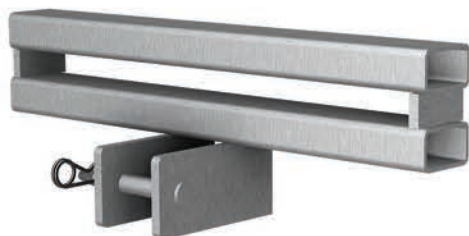


HORIZONTAL TUBE CPL

Item number: RIC105

Info: 3.88 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
•				



HORIZONTAL TUBE DELTA CPL

Item number: RIC106

Info: 3.60 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
	•			



VERTICAL TUBE 0.80 m CPL

Item number: RIC107

Info: 8.00 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
•	•	•	•	

COMPENSATION BEAMS & TUBES

COMPENSATION BEAM UPN80

0.75 m

Item number: PBA008075

Info: 13.50 kg

1.00 m

Item number: PBA008100

Info: 17.90 kg

1.25 m

Item number: PBA008125

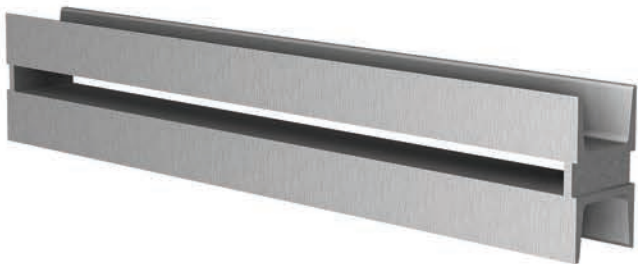
Info: 22.45 kg

1.65 m

Item number: PBA008165

Info: 29.49 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●	●	●



COMPENSATION TUBE

0.60 m

Item number: PBU060

Info: 5.38 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●		

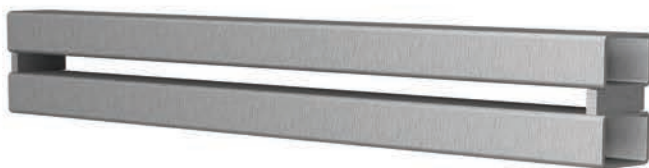
1.00 m

Item number: PBU100

Info: 8.89 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
●	●	●		





COMPENSATION TUBE

1,25 m

Item number: PBU125

Info: 11.14 kg

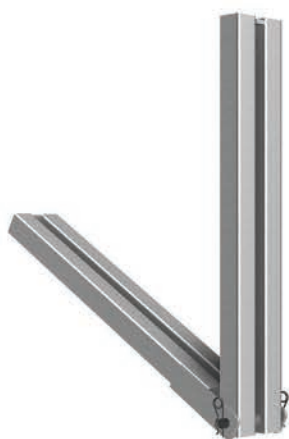
ALCOM	DELTA	CICOM	BIMET	HORAD
•	•	•		

1.50 m

Item number: PBU150

Info: 13.34 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
•	•	•		



HINGED COMPENSATION TUBE

Item number: PSC(075 - 150)

Info: 14.58 kg - 27.81 kg

W (m) x H (m): • 0.75 x 0.75

• 1.00 x 1.00

• 1.25 x 1.25

• 1.50 x 1.50

ALCOM	DELTA	CICOM	BIMET	HORAD
•	•	•	•	

PACKAGING MATERIAL



ACCESSORIES BOX

Item number: TBM120100

Info: Storage of accessories



PUSH & PULL PROP RACK

Item number: TBS125070

Info: Storage of push & pull props

COMETAL®





FLOOR FORMWORK & SUPPORT

PROPS • COMEDAL • LAYHER • ALTOR

A photograph showing a long, perspective view of a construction site. Numerous vertical metal props are arranged in rows, supporting a ceiling structure. The ceiling features prominent yellow-painted wooden beams. The props are made of grey metal and have adjustable mechanisms at the top. The floor is a light-colored concrete.

COMETAL[®]
PROPS

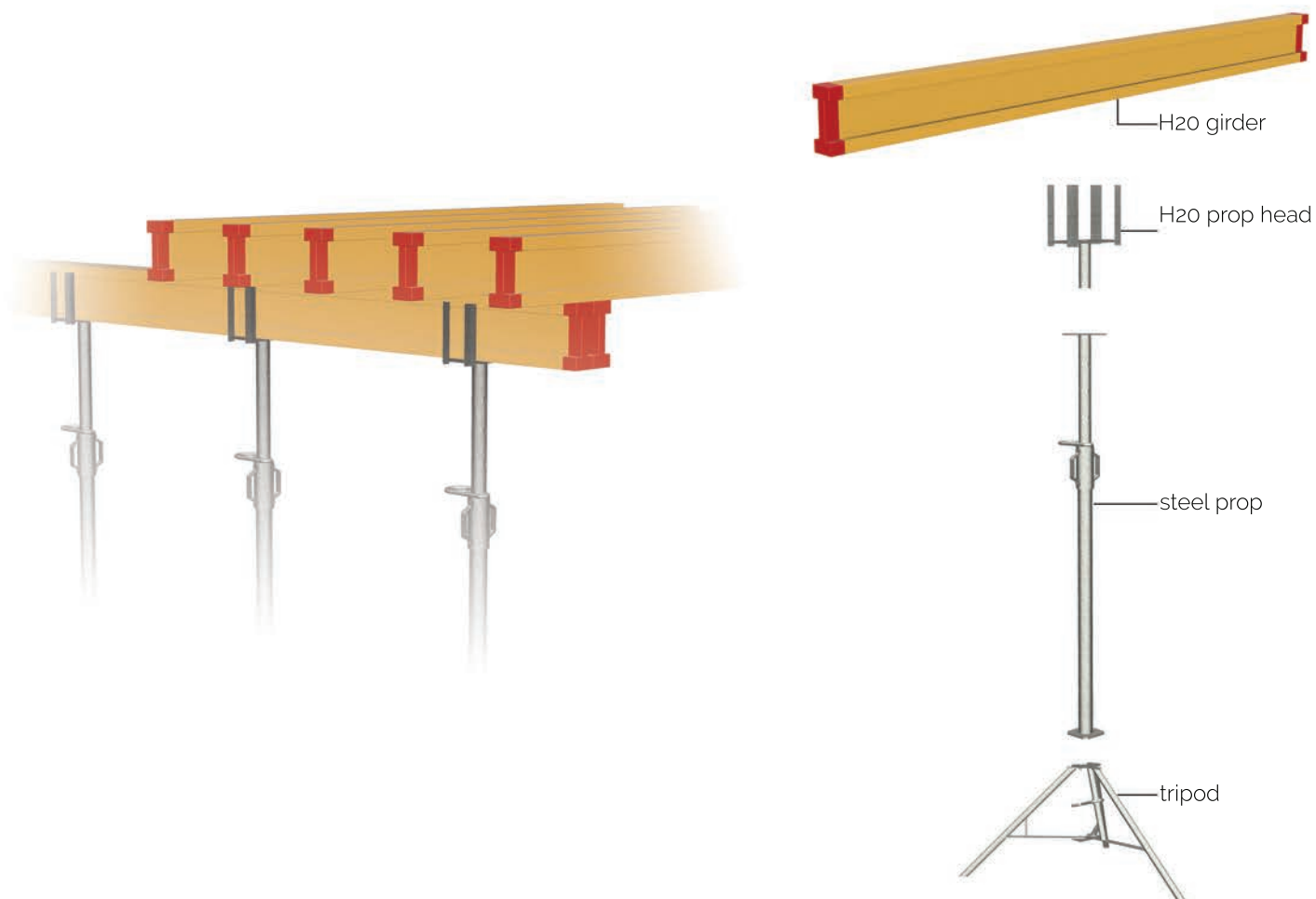
PROPS

Applications:
Supporting:

- In-situ poured concrete floors
- Hollow-core slab floors
- Precast slab floors
- Ribbed slabs



Props are used to support in-situ poured concrete floors, slabs and precast floor elements. Props are available in various sizes, lengths, and strengths. Depending on the project specifications and phases, Cometal provides you with a customized and drafted prop plan.





COMETAL[®]
COMEDAL

COMEDAL

Aluminum modular floor formwork. Simple, safe, fast and sustainable!



Specifications:

- Concrete thickness : 0 - 400 mm
- Adjustable height : 2.10 m - 5.80 m
- Standard C-t-C (center to center):
1.80 m x 1.80 m
1.80 m x 2.10 m

Drop head system:



The modular COMEDAL floor panels feature a nailable Alkus fiber-reinforced polymer sheet without a frame edge, minimizing seam impressions in the concrete.

Features:

Efficient workflow:

- **Quick assembly** of lightweight components (panel weight: 14kg).
- **Minimal leakage**, reducing the need for extensive cleanup.
- **Only 3 components** required:
panel – prop with drop head – primary base.
- The drop head facilitates **easy recovery of the formwork for the next pouring phase** while the props remain in a supporting position.

Safe operations:

- To eliminate fall hazards, all steps can be performed ergonomically from the ground.
- Edge protection can be implemented using dedicated safety equipment.
(see 'overview of safety equipment')

Sustainable practices:

- Highly reusable and maximally recyclable.

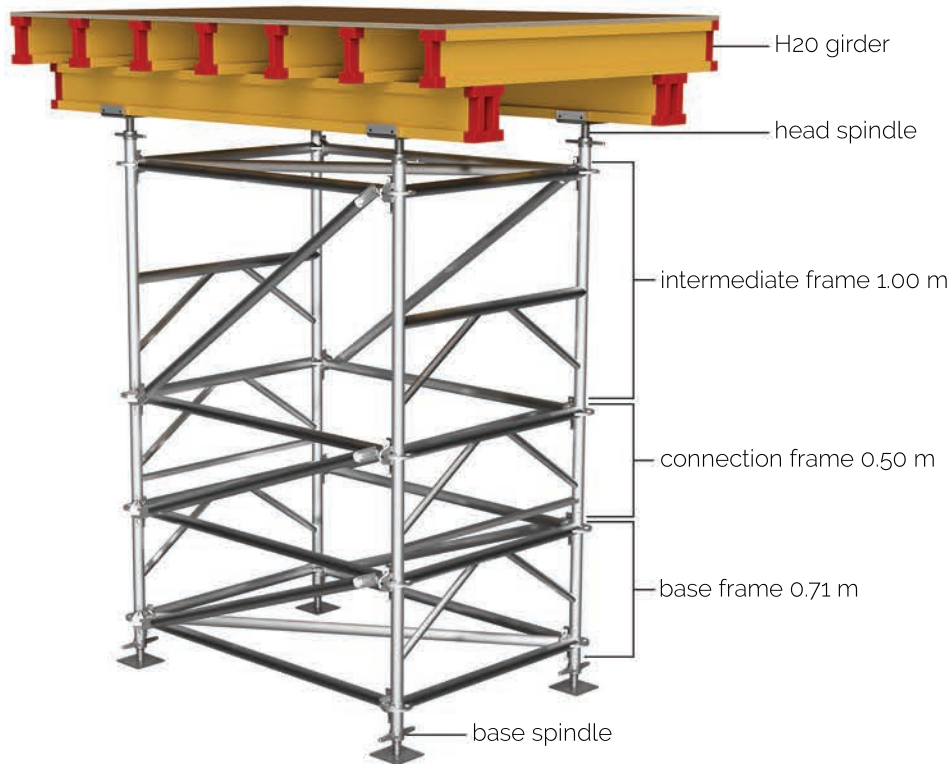




COMETAL[®]
LAYHER

LAYHER - TG60 shoring tower

Specifically designed to support heavy vertical loads.



Standard distances between posts:

- 1,09 x 1,09 m
- 1,57 x 1,09 m
- 2,07 x 1,09 m

Specifications:

- Max. allowed load:
24 ton /shoring frame
6 ton / post

The TG60 is an all-round solution for safely, easily and quickly erecting heavy duty shoring frames that must be able to carry large vertical loads. The frame can be built lying down horizontally and then moved and positioned with a crane. The setup is mobile with special wheel sets for horizontal movements. Using diagonals and beams, steel decking can be attached to the inside of the shoring frame, resulting in a safe workplace.

Properties:

- Lightweight and logical components
- Safe assembly (always behind the railing)
- 3 standard frames (easy construction)
- Internally climbable (rung spacing 0.50 m)
- Load capacity up to 24 tons per shoring frame
- Saves up to +30% time compared to other constructions with separate components
- Fixed peek-head-rose connections

Steel decking (work platform):



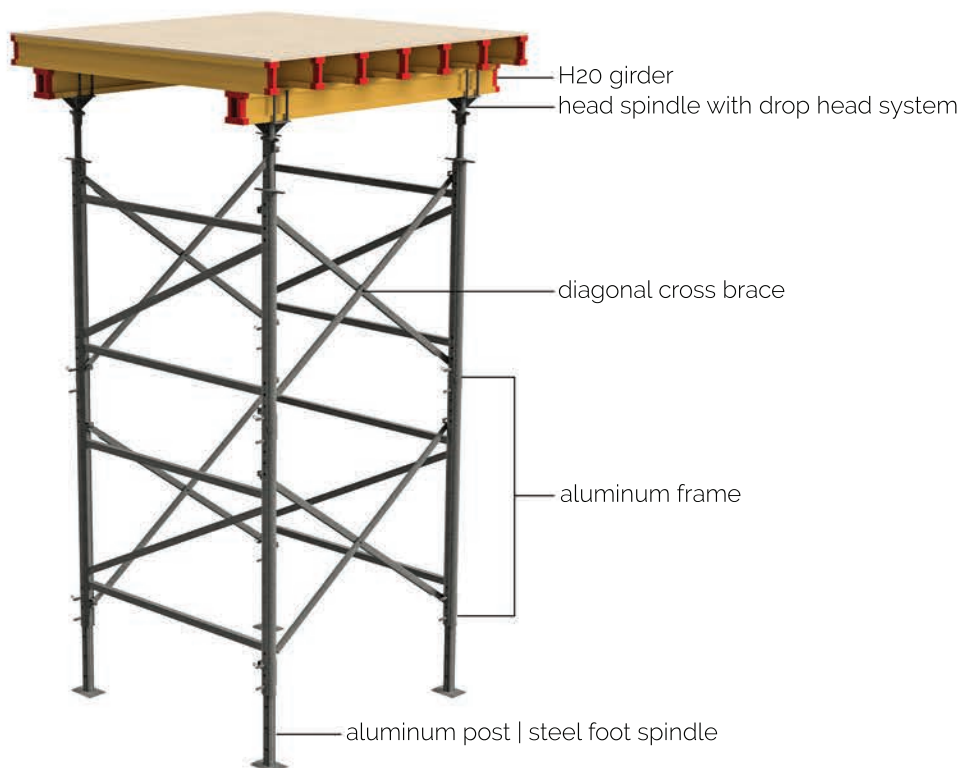


COMETAL[®]

ALTOR

ALTOR

Unbeatable ratio: low own weight / high strength class.



Standard distances between posts:

- 1,83 x 0,91 m
- 1,83 x 1,22 m
- 1,83 x 1,52 m
- 1,83 x 1,83 m
- 1,83 x 2,44 m

Specifications:

- Max. load capacity: 40 ton / tower
- Slab thicknesses up to 1920 mm
- Weight: 25.00 kg / frame

ALTOR slab formwork comprises lightweight aluminum frames connected by diagonal crosses, creating a height-adjustable table system for pouring on-site concrete slabs.

Floor slabs can be poured at various heights thanks to the extensive adjustability provided by the two different frame heights, three inner post lengths and a screw spindle. During demoulding, the 'drop head' system efficiently relieves the floor formwork with a single hammer blow, facilitating the stress-free and swift loosening of the spindles.

Properties:

- Extremely lightweight aluminum frames
- Easy demoulding through the drop head system
- Precise height adjustment facilitated by adjustable screw spindles, 3 inner leg lengths and 2 frame heights

Dimensions alu. frames:

- 1,50 x 1,83 m
- 1,80 x 1,83 m







SPECIAL TECHNIQUES

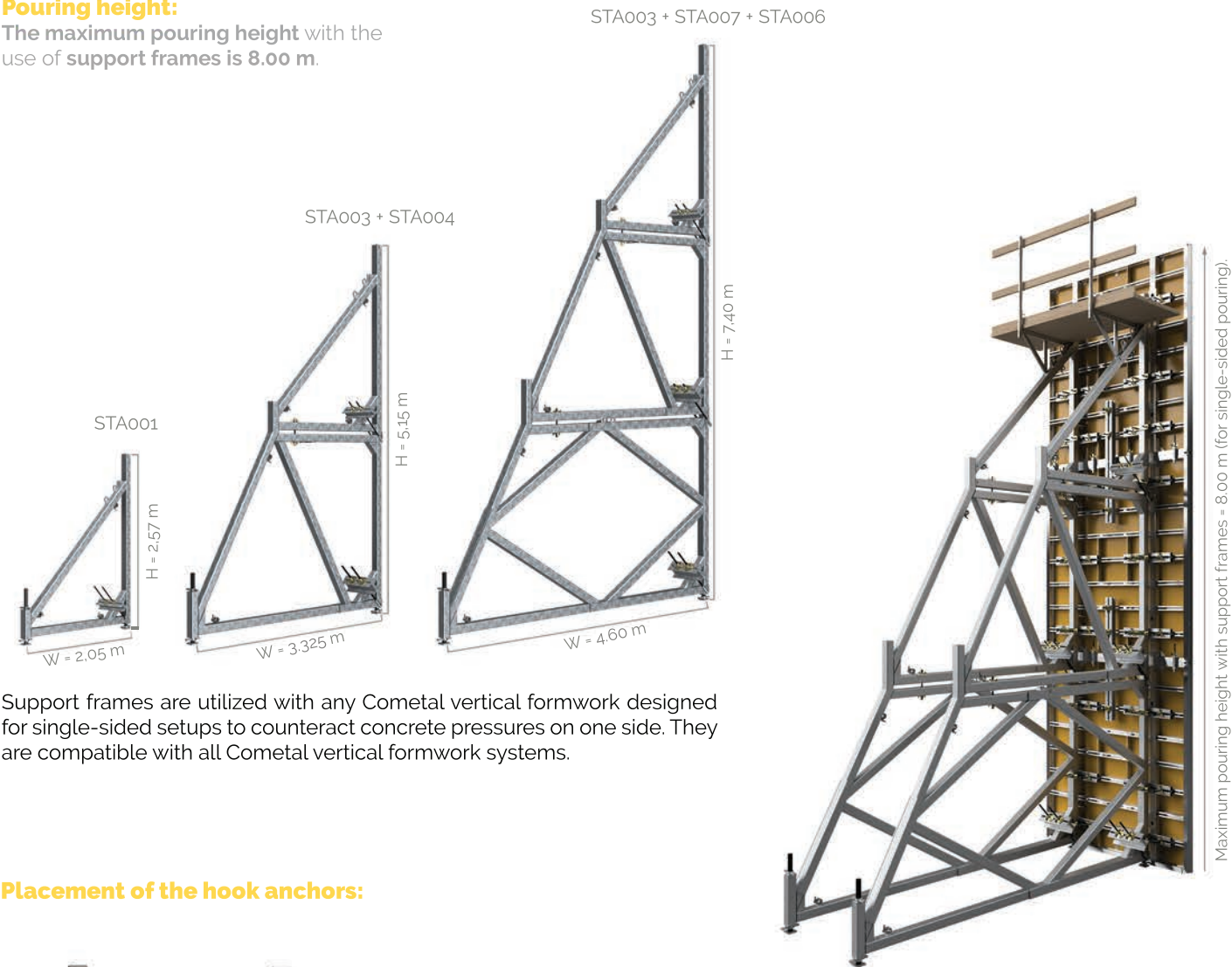
SUPPORT FRAME • CLIMBING BRACKET • CLIMBING PLATFORM • RETRACTING INNER
CORNERS • UNIVERSAL WORK PLATFORM • SHUT OFF VALVE & PRESSURE SENSOR
RENTAL BATTERY

SUPPORT FRAMES

Resisting concrete pressure during the single-sided pouring of concrete walls.

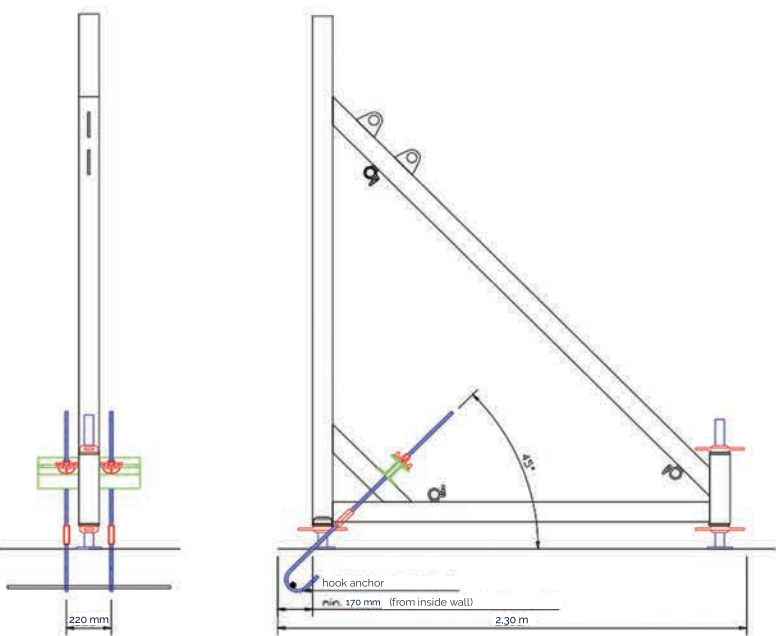
Pouring height:

The maximum pouring height with the use of support frames is 8.00 m.



Support frames are utilized with any Cometal vertical formwork designed for single-sided setups to counteract concrete pressures on one side. They are compatible with all Cometal vertical formwork systems.

Placement of the hook anchors:



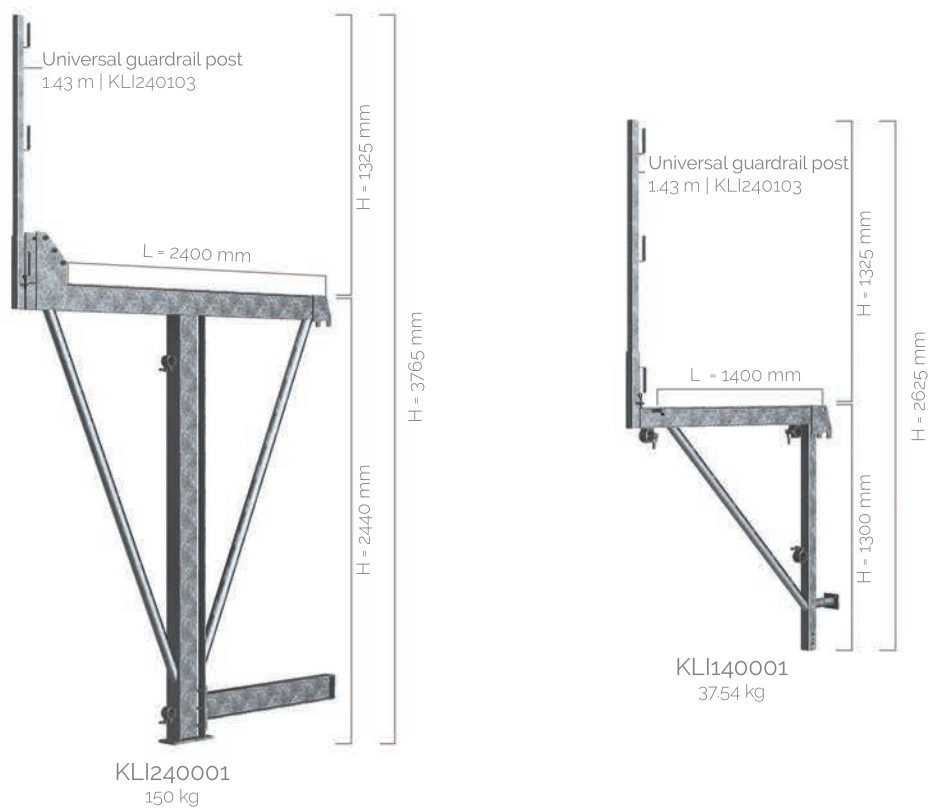
Hook anchors:

For each support frame 2 hook anchors must be installed in the concrete floor.

The hook anchors should be positioned at a minimum distance of 170 mm from the inside of the wall and spaced 220 mm apart.

CLIMBING FORMWORK

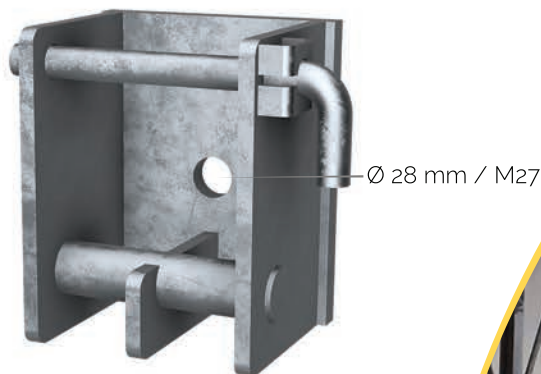
Vertically phased concrete walls quickly and safely poured with climbing brackets.



Climbing formworks are used for high concrete walls poured in multiple vertical stages when a working floor is unavailable on one or two sides. These formworks facilitate pouring in horizontal layers as they ascend the structure. Starting from the second layer, the formwork is mounted on climbing brackets, providing ample space for efficient and safe work.

SUSPENSION SHOE:

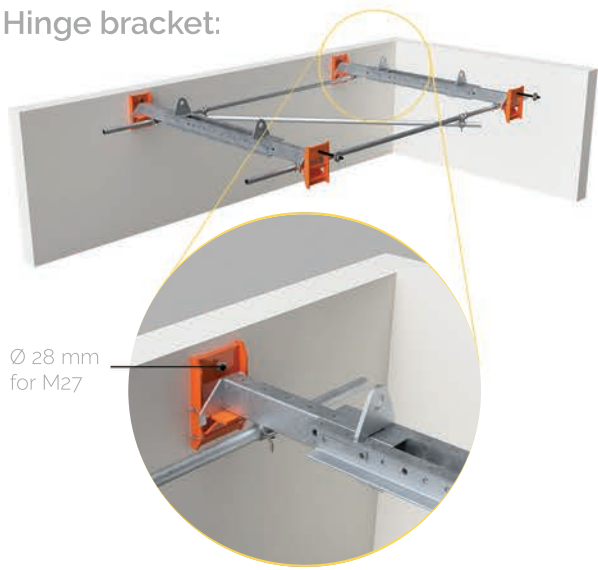
- KLl240002



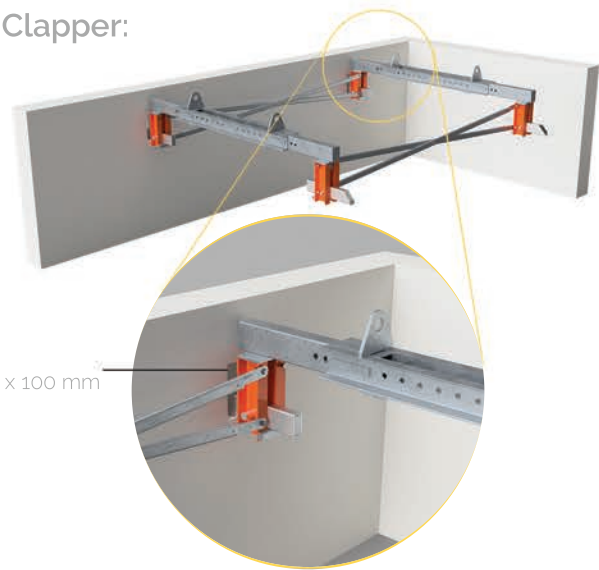
CLIMBING PLATFORM

For constructing lift and staircase shafts in multiple stages.

Hinge bracket:



Clapper:



Lift-slab beam 1475:

- W (mm): min. 1700 - max. 2600
- L (mm): min. 1700 - max. 5000

Lift-slab beam 2475:

- W (mm): min. 2500 - max. 3500
- L (mm): min. 1700 - max. 5000

Lift-slab beam 3000:

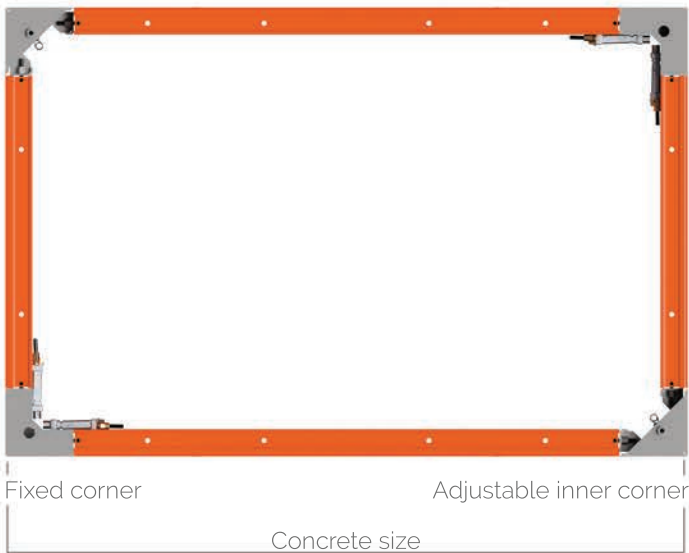
- W (mm): min. 3500 - max. 5000
- L (mm): min. 1700 - max. 4000

RETRACTING INNER CORNER

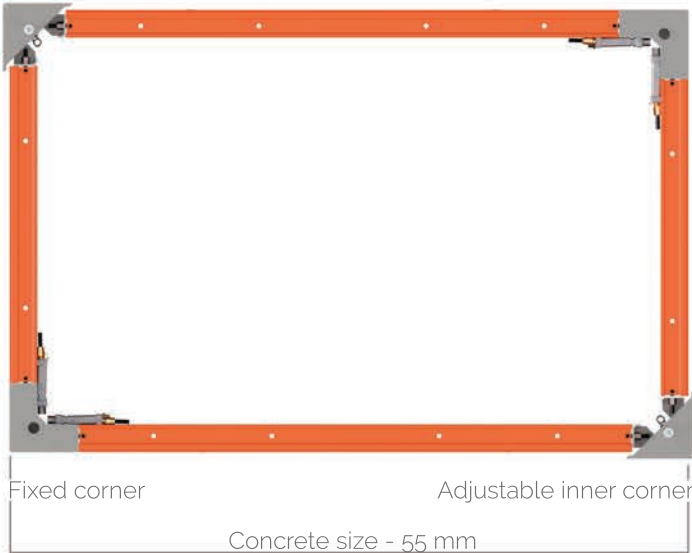
Enables the one-piece removal of interior formwork for elevator or staircase shafts



Setup with retracting inner corner elements.



Setup with retracting inner corner
in a shrunken state, ready for demoulding.





UNI-BRACKET

Item number: VEI023

Info: 6.80 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
•	•	•	•	



BRACKET BIMET/CICOM CPL

Item number: VEI017

Info: 17.48 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
		•	•	

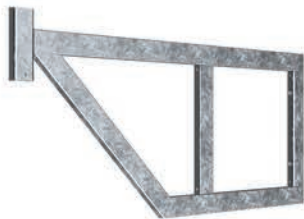


END GUARDRAIL POST BIMET/CICOM

Item number: VEI020

Info: 10.09 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
		•	•	



WALK-AROUND BRACKET BIMET/CICOM

Item number: VEI307

Info: 7.87 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
		•	•	



BRACKET HORAD

Item number: VEI004

Info: 17.50 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
				•

SAFETY



GUARDRAIL POST CPL

Item number: VEI024

Info: 7.16 kg

ALCOM	DELTA	CICOM	BIMET	HORAD
•	•	•	•	



ADJUSTABLE GUARDRAIL POST

Item number: VEI031

Info: 14.00 kg

STEMPELS	COMEDAL	LAYHER	ALTOR
•		•	•



BACKING POST SPIGOT Ø 38mm

Item number: VEI034

Info: 7.50 kg

STEMPELS	COMEDAL	LAYHER	ALTOR
•	•	•	•



GUARDRAIL GALVA Ø 30mm

Item number: VEI035

Info: 3.30 kg

STEMPELS	COMEDAL	LAYHER	ALTOR
•	•	•	•



H20 GUARDRAIL POST HOLDER SPIGOT Ø 38mm

Item number: VEI037

Info: 6.80 kg

STEMPELS	COMEDAL	LAYHER	ALTOR
•		•	•



UNIVERSAL WORK PLATFORM

At Cometal, your safety is paramount.



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Specifications:

- Length: 2390 mm
- Weight: 144.70 kg (incl. accessories)
- Width of work platform: 910 mm
- Height of handrail: 1250 mm

Advanced folding and unfolding:



The universal work platform is a safety device comprising secured access to a secure working space, ensuring the safe execution of formwork tasks at height.

The work platform can be attached to various types of modular formwork systems, including ALCOM, CICOM and BIMET.

Safe Access:

- Integrated ladder.
- A safety hatch provides access to the work platform.

Safe work platform:

- Back protection as fall protection when working on the walking console
- Fall protection on each end.
- Extendable front fall protection.

Universally applicable:

- The work platform can be attached to various types of modular formwork systems, including ALCOM, CICOM and BIMET.



CONCRETE SHUTOFF VALVE

For injecting and pumping self-compacting concrete into formwork.



When closing the valve after pumping concrete, both the concrete access hole in the formwork panels and the supply pipe for the concrete hose are simultaneously closed. The valve is compatible with each type of our vertical modular formwork systems.

PRESSURE SENSOR

In-situ process monitoring.

Pressure sensor for monitoring the tensile force in the tie rods, which is dependent on environmental factors, type of concrete and speed of pouring.

Properties:

- Compatible with all COMETAL wall formworks
- Sensors mounted on the outside of tie rods



Pressure sensor + pressure plates



RENTAL BATTERY

Precast columns and beams on site.

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CONSTRUCTION SITE PRECAST BATTERY

The Cometal construction site precast battery is a budget-friendly battery formwork and the perfect solution for prefabricating beams and columns on site. Moving the panels is done by crane.

Specifications construction site battery:

- Rail Length: 2,40m
- The rails are pre-mounted on a fixed frame with leveling feet
- Panel length: 6,00m
- Panel height: 0,85m
- Number of concrete elements to be poured simultaneously: 4 pieces
- Panels are equipped with wooden, plastic or composite contact sheeting.

FOR RENT

The construction battery is also available for rental!

COMEBAT

The Comebat is a prefab battery formwork, offering a quick solution for prefabricating beams and columns on-site. The panels are manually moved, facilitated by the inclusion of wheels beneath them.

Specifications Comebat 8x1x4:

- Rail length: 2,40m
- The rails are pre-mounted on a fixed frame
- Length of the panels: 8,00m
- Height of the panels: 1,00m
- Number of concrete elements to pour at once: 4 pieces
- Mobile panels are fitted with wooden or plastic contact sheeting

FOR RENT

The Comebat is also available for rental!







PREFAB & CUSTOM MOULDS

BATTERY FORMWORK • TABLES • STAIRCASE FORMWORK • CUSTOM PROJECTS

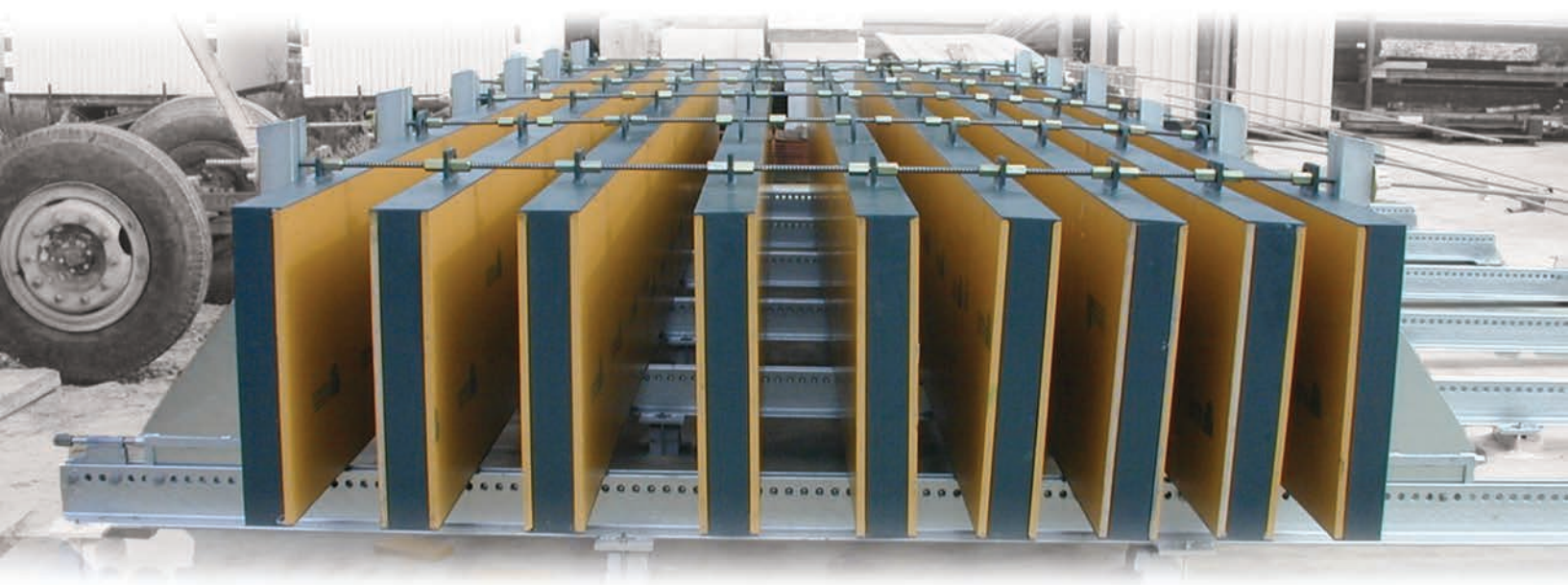
Cometal designs and produces prefab battery formwork for the prefabrication of reinforced concrete beams and columns according to the specifications and needs of the client.

CONSTRUCTION SITE PREFAB BATTERY

Easy & budget-friendly

The simplest and most budget-friendly battery formwork which involves moving the panels with a crane. The length, height and number of panels per battery are theoretically unlimited.

As contact sheet, you can choose between 18 mm thick standard concrete plywood (with a 120 gr/m² coating), tropical hardwood-based plywood (with a 450 gr/m² coating) or a 6 mm thick steel plate.



COMEBAT

Efficient and versatile

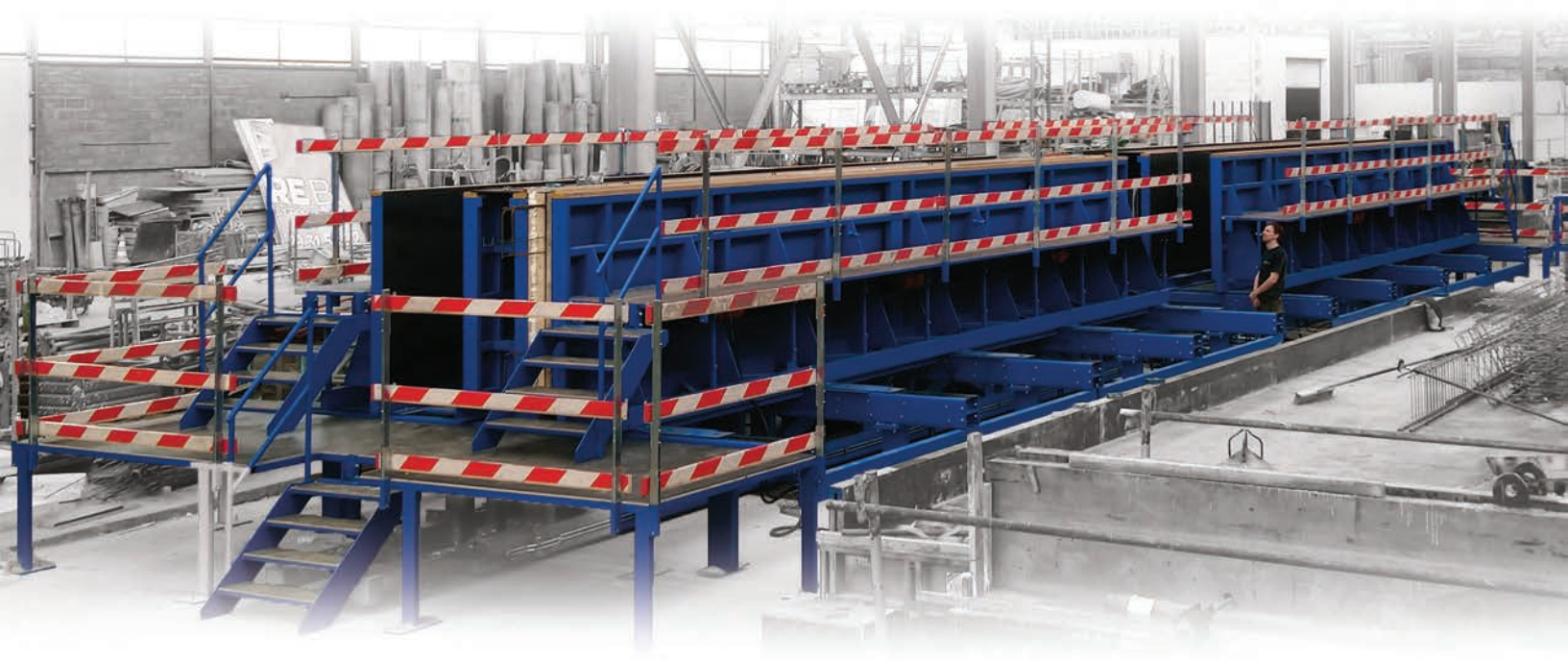
Wheels are installed beneath the panels, running along the rails of the base. These panels can be manually moved without the need for a crane. Theoretically the length, height and number of panels per battery are unlimited. There are numerous options available as bottom support systems.

As a contact sheet, you can choose between 18 mm thick standard concrete plywood (with a 120 gr/m² coating), tropical hardwood-based plywood (with a 450 gr/m² coating), or a 6 mm thick steel plate. Optional properties include nail wood, various types of fastening systems for the end panels, raised tie rod holders on top of the panels,...



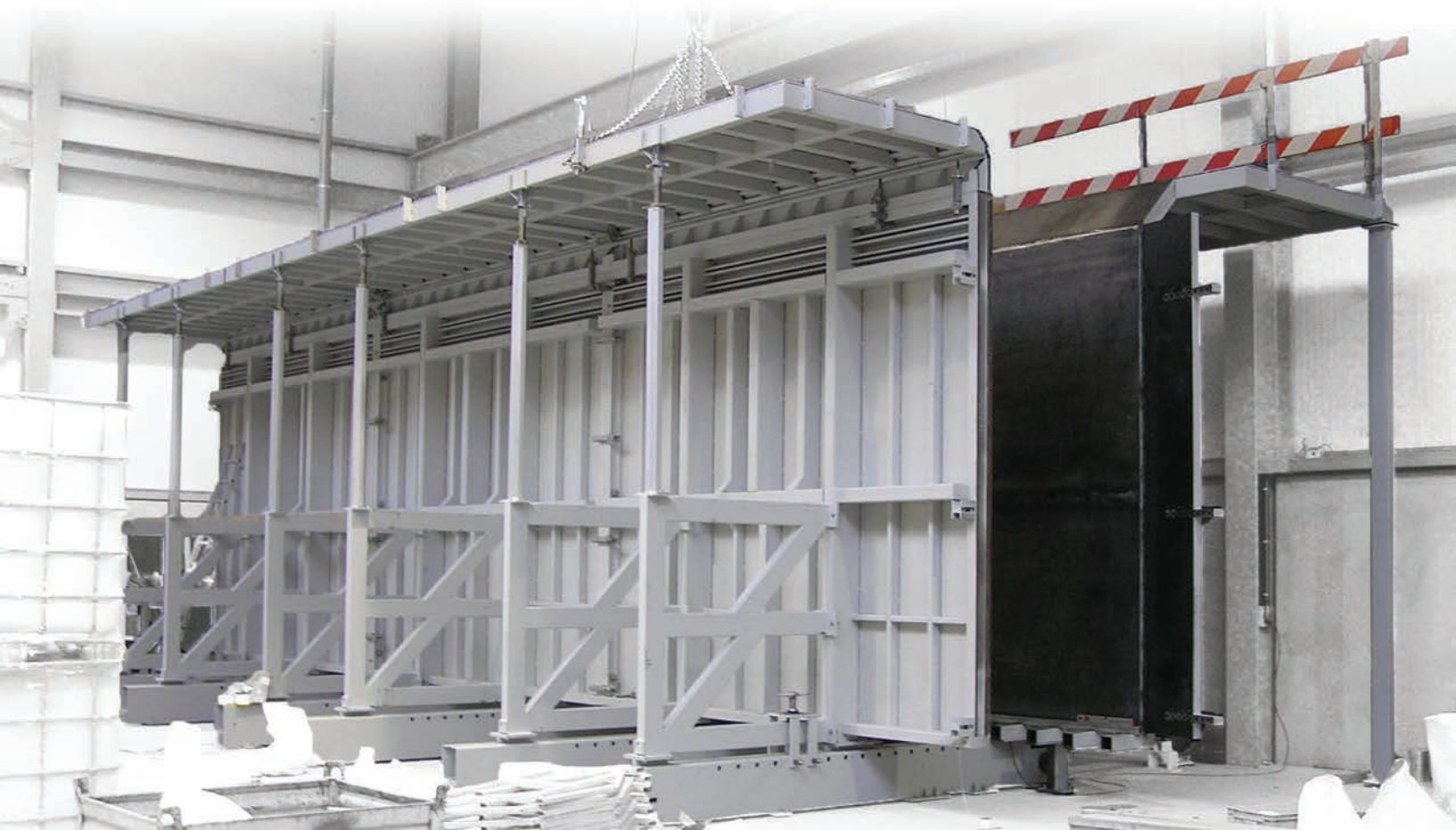
HYDROBAT

Opening and closing, as well as keeping the panels closed, are entirely hydraulic processes. No manual actions are required to move or lock the panels. Additionally, the bottom adjustment can also be hydraulically controlled.



WALL BATTERY

A wall battery follows the same technical principles of a Comebat but with wall-high panels. The mobile outer and intermediate panels are electrically driven for opening and closing. One significant advantage of a wall battery is that the resulting concrete elements have a smooth finish on both sides.





COMETAL®
HYDRAULIC TILTING TABLE

VIBRATION TABLE



Properties:

- Single-piece table top crafted from high-quality S355 steel (bright finish).
- Dimensions: 14.00m x 4.00m with a thickness of 10mm.
- Includes vibration motors.
- Maximum load capacity: 920kg/m².
- Available in all RAL colors.

HYDRAULIC TILTING TABLE

Hydraulically controlled tilting tables are employed to manufacture one-sided smooth concrete wall elements or precast floor slabs. Optionally, these tables can be equipped with customized edge boards, vibration motors, heating pipes and insulation on the underside of the tabletop.

Properties:

- Exhibits the same properties as a vibration table.
- The height of the edge panels is continuously adjustable for concrete elements ranging from 100 mm to 400 mm in height.
- Optionally, the edge panels can be deduplicated on the long side, enabling the use of different heights on the left and right.
- Comes equipped with a hydraulic tilting function.



HORIZONTAL STAIRCASE MOULD



- Innovative mould designed for producing precast concrete stairs.
- Easily and cost-effectively adjust length, rise height, tread depth and pitch.
- Achieve maximum efficiency in the production of straight staircases, with or without landings.
- Electromechanical control ensures swift and precise alignment of rise height and tread depth.

CUSTOM COLUMN FORMWORK

Custom produced steel column formwork for specific form and project requirements.

Cometal specializes in designing and manufacturing custom steel moulds for columnar concrete elements according to the customer's specific requirements. Each steel formwork mould is meticulously crafted and produced in our dedicated steel department, ensuring durability for heavy-duty applications with the use of premium materials.

With every custom project, Cometal collaborates in finding the optimal utilization of the column mould, emphasizing on efficiency and cost-effectiveness. The formwork is carefully designed to facilitate not only the placement and filling of the mould but also the efficient demoulding of the concrete element. Moreover, we consistently assess and optimize the supply chain and internal logistics.

Custom column formwork can have various sizes and shapes. Some examples here below:



CUSTOMIZATION PROJECTS

Custom moulds and solutions for specific purposes.



COMETAL nv - Formwork Solutions

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