

BERTOUR

Shoring system

Strong and flexible



Reliable Simplicity, International Quality At Its Very Best

The Bertour shoring system is a falsework system made out of prefabricated steel elements to support slab formwork and other concrete and steel elements on the building site. The Bertour Shoring System is designed for high load capacities and optimum safety. It's a versatile shoring system that requires minimum components but provides builders and contractors with remarkable stability, reliability and efficiency.

From modest beginnings in 1978, Scafom-rux takes a simple idea and applies it to the time and cost sensitivities of building and construction industry complexities. Today, the company provides an integrated portfolio of scaffolding, formwork and shoring systems that are synonymous with the international quality standards.

Scafom-rux is well represented in eastern and western Europe, the Americas, Asia and the rapidly evolving markets of Africa. It sustains and enhances its position as a global player and a provider of cost competitive solutions geared to the needs of highly diversified market demands.

The engine of growth for Scafom-rux is a programme that sustains and integrates precision engineering and a knowledge of market place needs with applied Research & Development. The products and systems in the Scafom-rux professional portfolio are tried, tested and proven... in the lab and, equally important, in today's workplace.



Bertour Shoring System Delivers The Performance Promise

The Bertour Shoring System is nowadays recognised globally as a construction industry benchmark, easily adaptable and suitable for use in numerous situations on any construction site.

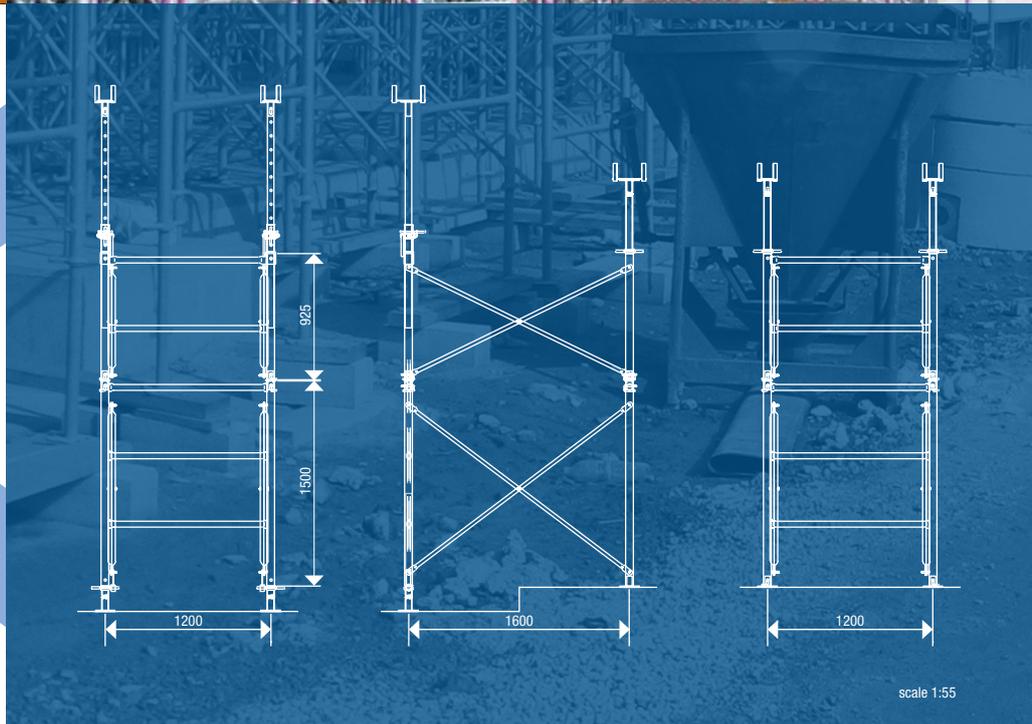
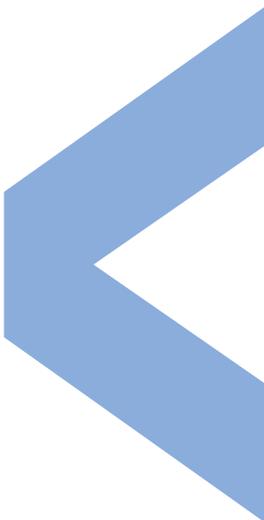
Maximum attention to safety in each phase – from assembly through years of routine use and final disassembly – is an integral part of the Bertour Shoring System performance promise, to all users.

Easy, user friendly access through the tower entrance, floor sections equipped with anti-slip surfacing, sturdy purpose-built safety guard rails and high maximum load capacities all reflect the quality and attention to detail reflected by the Scafom-rux reputation for quality.

It is an economical platform for all type of projects in the building and civil engineering sector. The benefits of the Scafom-rux Bertour Shoring System include:

- Durable hot-dip galvanised elements provide a long and reliable service life
- High shoring capacity means maximum loads up to 24 tons (six tons per standard and a maximum of four standards high)
- Locked steel planks with a genuine and well proven anti-slip surface
- Self-locking aluminum/plywood access platform at all work levels
- Automatic safe erection thanks to a proprietary connector guardrail system
- Tough, robust jack-holder secures all hoisting maneuvers
- All elements interlock easily with no extra elements
- Self-storage characteristic of (vertical) racks avoid repetitive strain and downtime linked to common workplace injuries



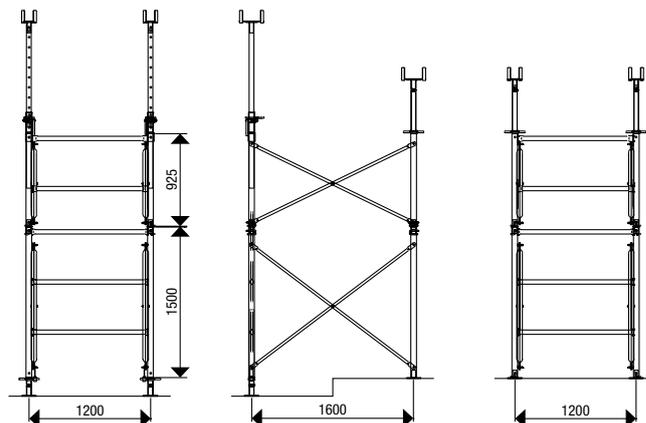


Technical information

Basic Bertour Support Tower

Both Basejacks and Baseplates can be used for height adjustment of an uneven subsoil. The desired height can be reached by using one or more Frames 1.50m, adding one half Frame 0.925m and using Innertubes with adaptor or using Topjacks. The tower is completed with 2-way forkheads, to support the beams. In this way any height can be supported.

Prod nr.	Description	#	weight	weight total
E02SF0001	Base jack 0.86m	4	5.5	22
E05SF0034	Base Plate	2	1.9	3.8
E05SF0009	Frame 1.50m	2	18.1	36.2
E05SF0008	Frame 0.925m	2	12.3	24.6
E05SF0010	Connector	4	0.9	3.6
E05ST0004	Diagonal 1.60x1.50m	2	5	10
E05SF0024	Diagonal 1.60x0.925m	2	4.4	8.8
E05SF0036	Inner Tube + Adaptor + Pin	2	10.2	20.4
E01AA0030	2-Way Fork Head 85-170mm	4	2.6	10.4
Total weight of tower			142 kg	

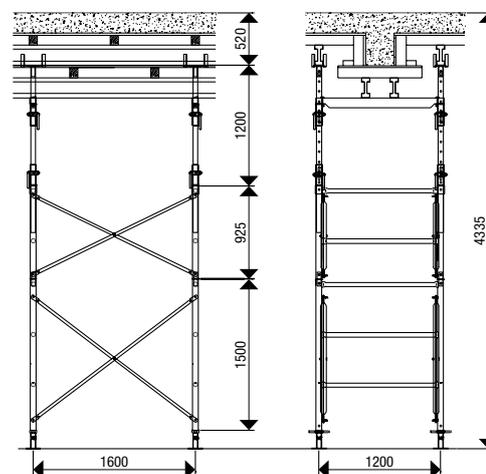


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Configuration 1 Bertour support tower

Using the Intermediate Support 1.20m with two Intermediate adaptors on the Innertubes, a floorslab with integrated concrete beams can be supported. In this example H20 wooden beams are used to support the formwork.

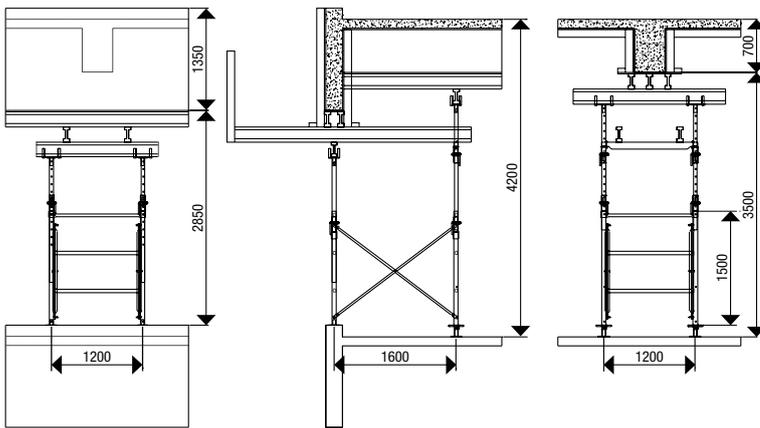
Prod nr.	Description	#	weight	weight total
E02SF0001	Base jack 0.86m	4	5.5	22
E05SF0009	Frame 1.50m	2	18.1	36.2
E05SF0008	Frame 0.925m	2	12.3	24.6
E05SF0010	Connector	4	0.9	3.6
E05ST0004	Diagonal 1.60x1.50m	2	5	10
E05SF0024	Diagonal 1.60x0.925m	2	4.4	8.8
E05SF0046	Inner Tube + 2 Adaptor + 2 Pin	4	11.9	47.6
E05SF0044	Intermediate Support 1.20m	2	11.2	22.4
E01AA0030	2-Way Fork Head 85-170mm	4	2.6	10.4
Total weight of tower			188 kg	



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Suitable on every construction site

Many configurations of the Bertour Shoring System are possible and this in turn redefines the true meaning of flexibility and adaptability. The basic Bertour Support Tower, for example, provides a clear indicator of this highly valued versatility.

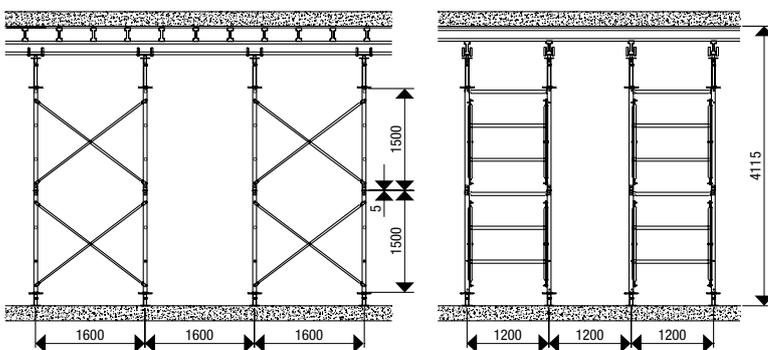


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Configuration 2 Bertour Support tower

This example shows a solution for the support of the edge of the floor with the possibility to create a circulation platform. The floor and the beams in both directions are also supported. Special attention is needed for the cantilever effect by the circulation platform.

Prod nr.	Description	#	weight	weight total
E02SF0001	Base jack 0.86m	2	5.5	11
E05SF0034	Base Plate	2	1.9	3.8
E05SF0009	Frame 1.50m	2	18.1	36.2
E05ST0004	Diagonal 1.60x1.50m	2	5	10
E05SF0036	Inner Tube + Adaptor + Pin	2	10.2	20.4
E05SF0046	Inner Tube + 2 Adaptor + 2 Pin	2	11.9	23.8
E05SF0044	Intermediate Support 1.20m	1	11.2	11.2
E01AA0030	2-Way Fork Head 85-170mm	4	2.6	10.4
Total weight of tower				129 kg



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Configuration 3 Bertour Slab Support

With very few products a simple slab support can be built: a couple of frames, base jacks, diagonals and forkheads and of course the formwork support makes the slab support easy to erect. The distance between the support towers and the width of the towers depends on the slab thickness.

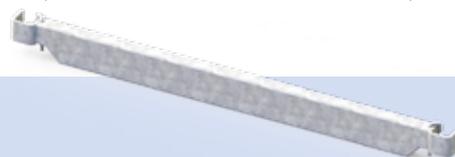
Prod nr.	Description	#	weight	weight total
E02SF0001	Base jack 0.86m	8	5.5	44
E05SF0009	Frame 1.50m	4	18.1	72.4
E05ST0010	Connector	4	0.9	3.6
E05SF0004	Diagonal 1.60x1.50m	4	5	20
E01AA0030	2-Way Fork Head 85-170mm	4	2.6	10.4
Total weight of tower				155 kg

Product parts

Product nr.	Description	Weight
E05SF0034	Base Plate	1.9



Product nr.	Description	Weight
E05SF0044	Intermediate Support 1.20m	11.2



Product nr.	Description	Weight
E05SF0010	Connector	0.6



Product nr.	Description	Weight
E02SF0001	Base Jack 0.86m	5.5



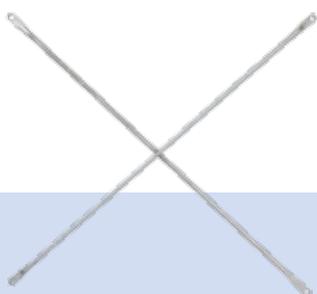
Product nr.	Description	Weight
E05SF0008	Frame 0.925m	12.3



Product nr.	Description	Weight
E05SF0009	Frame 1.5m	19.2



Product nr.	Description	Weight
E05SF0052	Vertical Brace 0.785x0.70m	3.1
E05SF0022	Vertical Brace 0.785x1.200m	3.6
E05SF0024	Vertical Brace 0.785x1.600m	4.4
E05SF0025	Vertical Brace 0.785x1.800m	4.9
E05SF0027	Vertical Brace 0.785x2.100m	5.6
E05SF0051	Vertical Brace 1.22x0.70m	3.6
E05ST0003	Vertical Brace 1.22x1.22m	4.3
E05ST0004	Vertical Brace 1.22x1.60m	5.0
E05ST0006	Vertical Brace 1.22x1.80m	5.4
E05SF0006	Vertical Brace 1.22x2.10m	6.0



Product nr.	Description	Weight
E05SF0040	Adaptor with Nut B55	2.3



Product nr.	Description	Weight
E05SF0016	Innertube 1.66m	7.0
E05SF0028	Innertube 1.17m with Adaptor and Pin	8.4
E05SF0036	Innertube 1.66m with Adaptor and Pin	10.2
E05SF0043	Innertube 1.80m with Adaptor and Pin	10.7
E05SF0045	Innertube 2.19m with Adaptor and Pin	12.2



Minimum of components

The versatile Bertour shoring system requires minimum components providing real time benefits in terms of economic and workability factors. In turn this also has a direct and measurable impact on time and worksite costs. At the same time it provides builders and contractors with remarkable stability, reliability and efficiency.



Product nr.	Description	Weight
E05SF0064	Platform Alu/Plywood 0.48x0.70m	7.4
E05SF0063	Platform Alu/Plywood 0.48x1.30m	11.2
E05SF0062	Platform Alu/Plywood 0.48x1.60m	13.0
E05SF0061	Platform Alu/Plywood 0.48x2.10m	16.2



Product nr.	Description	Weight
E05SF0035	Lockpin Frame	0.3



Product nr.	Description	Weight
E05SF0041	Bracket 0.60m	6.3



Product nr.	Description	Weight
G00001552	Pin Ø15mm	0.5

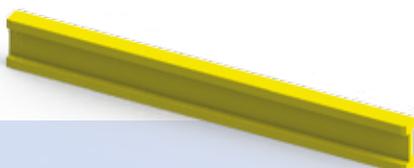


Product nr.	Description	Weight
E01AA0030	2-Way Forkhead 85-170mm	2.6

Product nr.	Description	Weight
E05SF0049	Intermediate Adaptor with Nut B55	2.2



Product nr.	Description	Weight
E05AA0005	H20 beam 1.80m	8.6
E05AA0006	H20 beam 2.40m	11.5
E05AA0007	H20 beam 2.90m	13.9
E05AA0008	H20 beam 3.60m	17.3



Product nr.	Description	Weight
E05SF0060	Ladder platform Alu/Plywood 0.61x1.30m	13.5
E05SF0059	Ladder platform Alu/Plywood 0.61x1.60m	18.5
E05SF0058	Ladder platform Alu/Plywood 0.61x2.10m	21.0



Product nr.	Description	Weight
E05SF0018	Jack lock	0.4



Easy assembly

Simplicity Is The Essence Of Tried, Tested And Proven Technology

The Bertour Shoring Systems is a lightweight system which delivers exceptionally strong and stable worksite performance, each and every time it is put to work, no matter how demanding the workplace might be!

Such is its proven simplicity and workability – in theory and in workplace practice – the Bertour Shoring System is assembled, erected and eventually disassembled by a solitary, experienced working professional.



1 Mount the frames on the base base jacks.



2 Attach 2 diagonals at both sides of the frame.



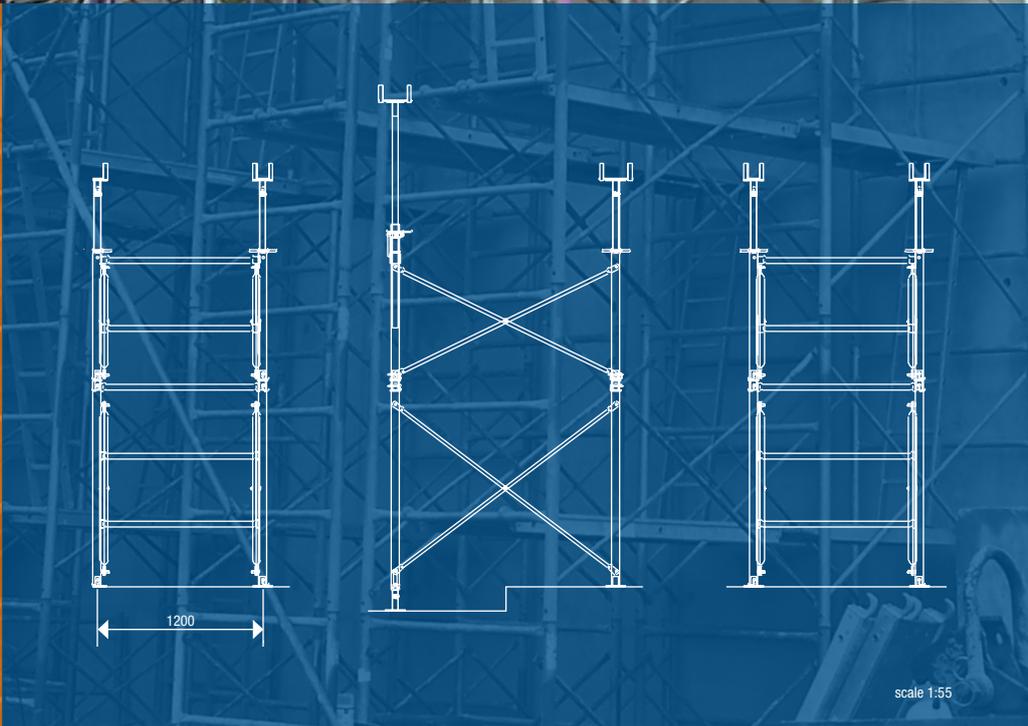
3 Attach the diagonals to the second frame.



4 Make sure the frame is level.



5 Level the frame by turning the base jack.



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