



COFFRAGE
& ÉTAIEMENT
LOCATION
VENTE
MONTAGE



STAFLEX RANGE

SHORING TOWER

INFORMATIONS

This document is intended for all persons working with the Altrad Formwork & Shoring product described and contains information on the installation and use of the system in accordance with the guidelines.

All persons who work with these various products must be fully familiar with the contents of these documents and their safety information. The use of our products is subject to compliance with the laws and regulations, in their current version, in France. The safety instructions and load specifications must be strictly adhered to.

This document can also be used as generally applicable installation and operating instructions or as part of site-specific installation and operating instructions. Altrad Formwork & Shoring reserves the right to make changes for the purpose of technical optimisation. Errors, typographical and printing errors excepted.



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Altrad Coffrage & Etaisement
ace.export@altrad.com
www.altrad-coffrage.com

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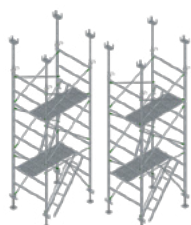
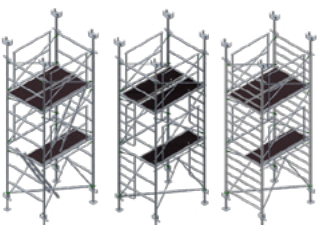
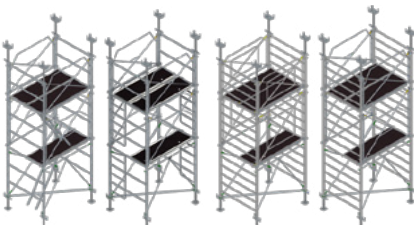
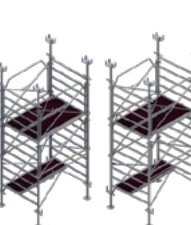
AMOVICLAV58

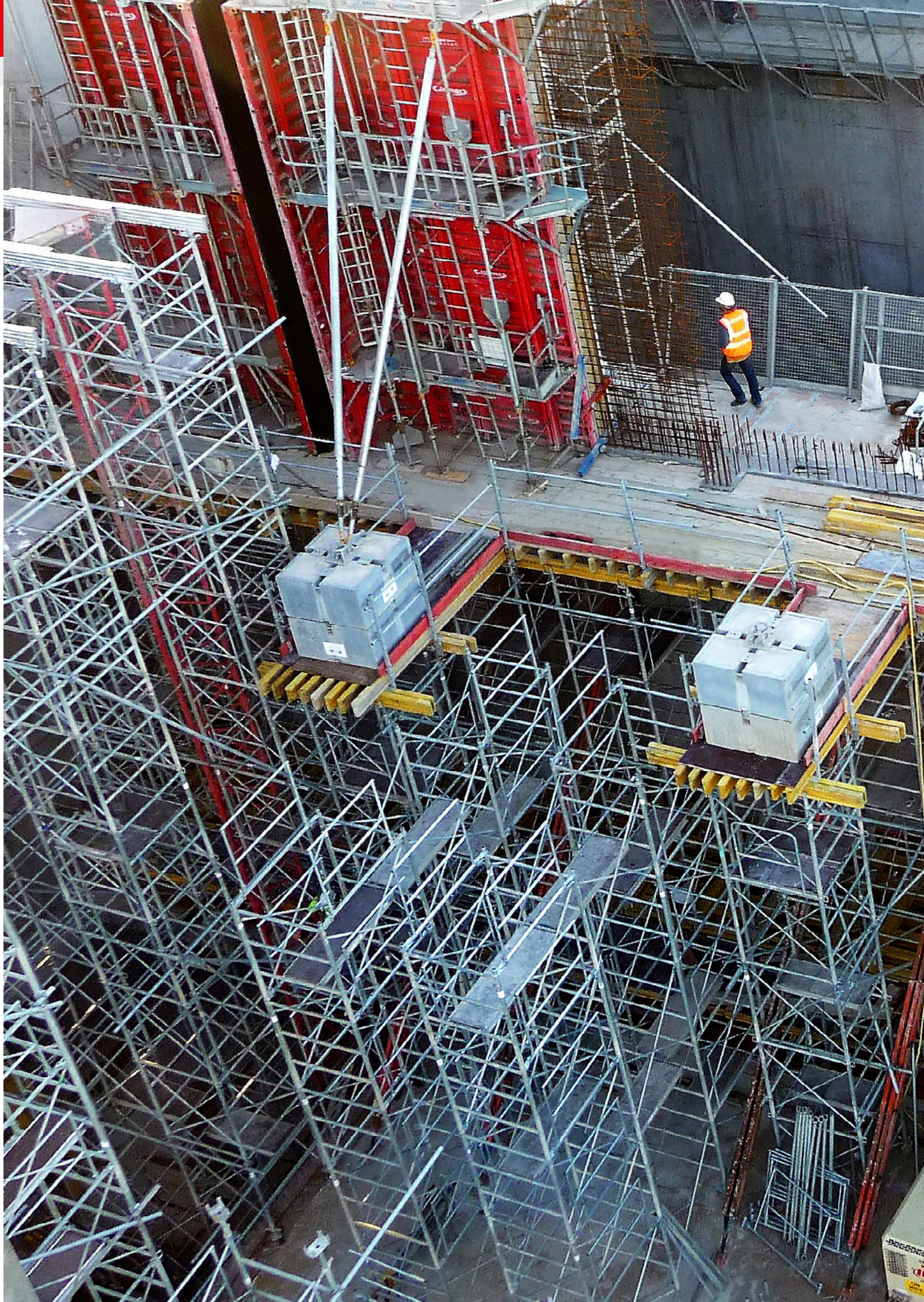
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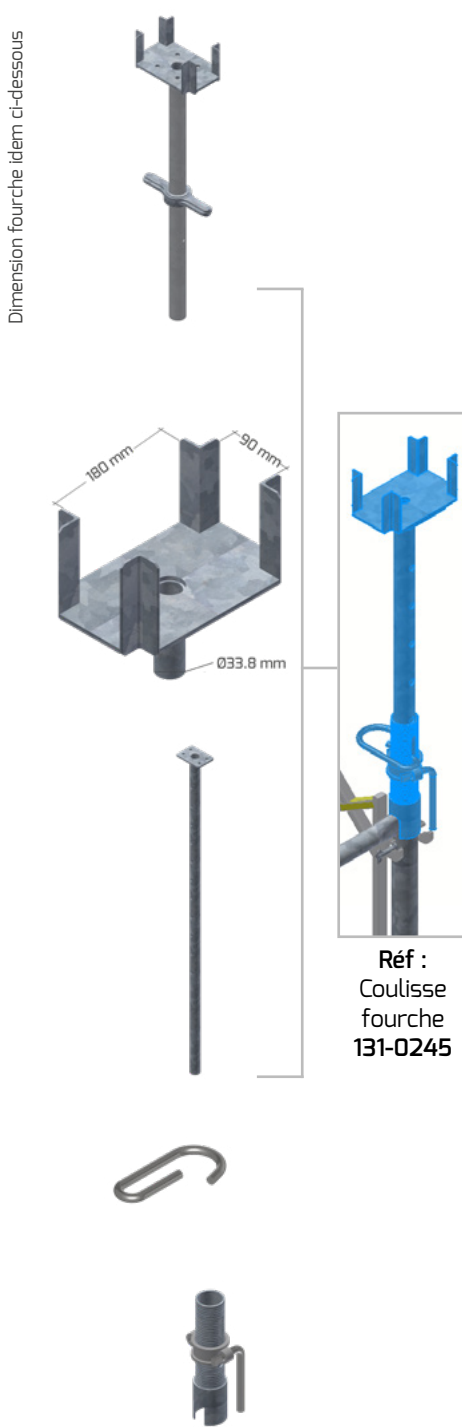
STAFLEX RANGE

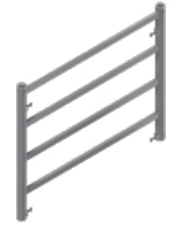
*Réf. tour 120x160	STAFLEX STANDARD		STAFLEX NT24			STAFLEX MULTIDYNAMIC				STAFLEX MULTIDYNAMIC ERGOLIGHT	
											
	STEEL base jack	STEEL inner tube	STEEL	STEEL integrated ladder	ALU integrated ladder	STEEL	STEEL integrated ladder	ALU integrated ladder (old frame guardrail)	ALU integrated ladder (new frame guardrail)	STEEL integrated ladder	ALU integrated ladder
	LOADS /MAX FEET	6 TONS	4 TONS	6 TONS	6 TONS	5 TONS	6 TONS	6 TONS	5 TONS	6 TONS	5 TONS
	Max. weight handled	20.5 kg	20.5 kg	20.5 kg	25 kg	14.8 kg	20.5 kg	25 kg	13.8 kg	15kg	7.5kg
	Max. weight of stacked compo- nents	20.5 kg	20.5 kg	20.5 kg	25 kg	14.8 kg	20.5 kg	25 kg	13.8 kg	15kg	7.5kg
	Means of access	Mobile ladder		Mobile ladder	Integrated ladder		Mobile ladder	Integrated ladder			
	Com- pliance			Technical note n°24 CRAMIF			Techni- cal note n°24 CRAMIF	• Technical note n°24 CRAMIF • Functional requirement criteria and constructive layout of NF P93-551 • Access: A1/A2 - Filling: RL1 - Craning: G1			
	Safety performance	■ Fall arrest harness mandatory		■ Guardrail incorporated in the overlay ■ Aluminium half-bearing with trapdoor ■ Integrated locking system			■ Guardrail incorporated in the overlay ■ Aluminium half-bearing with trapdoor ■ Integrated locking system ■ Automatic locking action ■ Built-in lifting points				
	Ergonomic perfor- mance	■ Folding by shifting trolley ■ Craning		■ Access by KV brace ■ Folding by shifting trolley ■ Craning			■ Access by KV brace ■ Folding by shifting trolley ■ Craning				■ Ergonomic frames (1 m high only) ■ Access by KV brace ■ Folding by shifting trolley ■ Craning
Evolu- tion						■ Etalement multidirectionnel ■ Platelage entre tours ■ Platelage sous coffrage					

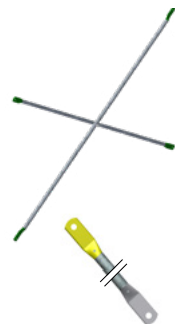
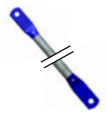
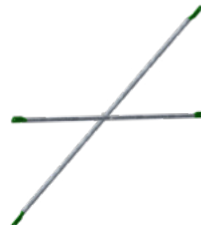


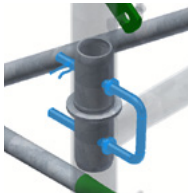
COMPONENTS

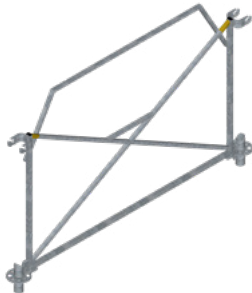
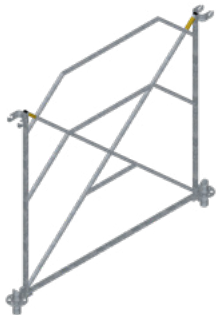
General components

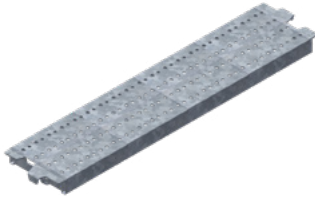
Ref. prod.	Weight (Kg)	Characteristics	Elements
HEAD COMPONENTS			
Universals components (for all range)			
131-0250	8.60	JACK FORKHEAD Dimension : 85 cm Stroke : 60 cm	Dimension fourche idem ci-dessous  Réf : Coulisse fourche 131-0245
131-0215	2.50	2 WAY FORKHEAD	
131-0240	8.20	INNER TUBE Stroke : 100 cm	
131-0235	0.50	PIN Ø15	
131-0225	2.60	STEEL THREADED ADAPTER Ø70	

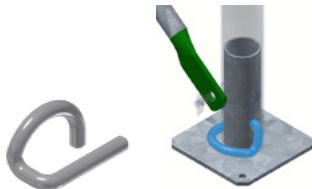
Ref. prod.	Weight (Kg)	Characteristics	Elements
STRUCTURAL COMPONENTS			
Universals components (for all range)			
131-0092	13.10	STEEL FRAME 92.5 120 x HT 92,5 cm	
131-0150	20.50	STEEL FRAME 150 (1) 120 x HT 150 cm	
131-0151	25	STEEL FRAME 150 WITH LADDER (2) 120 x HT 150 cm	
131-3092	7.00	ALUMINIUM FRAME INTEGRATED LADDER 92.5 120 x HT 92,5 cm	
131-3150	12.00	ALUMINIUM FRAME INTEGRATED LADDER 150 120 x HT 150 cm	
131-0101	15.00	STEEL FRAME INTEG.LADDER STAFLEX 120 x HT 100 cm	
131-3100	7.50	ALUMINIUM FRAME INTEG.LADDER 120 x HT 100 cm	

Ref. prod.	Weight (Kg)	Characteristics	Elements
		VERTICAL BRACE FOR 92.5 FRAME	
131-0407	3.10	Diagonale = 70 x 92.5 cm Centre distance = 105 cm Mark = yellow/white	
131-0410	3.59	Diagonale = 100 x 92.5 cm Centre distance = 127 cm Mark = brown/white	
131-0413	4.10	Diagonale = 130 x 92.5 cm Centre distance = 152 cm Mark = blue/white	
131-0313	5	Diagonale = 160 x 92.5 cm Centre distance = 178 cm Mark = blue/blue	
131-0421	6.70	Diagonale = 210 x 92.5 cm Centre distance = 224 cm Mark = red/white	
		VERTICAL BRACE FOR 150 FRAME	
131-0307	4.10	Diagonale = 70 x 150 cm Centre distance = 141 cm Mark = yellow/yellow	
131-0310	4.80	Diagonale = 100 x 150 cm Centre distance = 158 cm Mark = brown/brown	
131-0313	5.00	Diagonale = 130 x 150 cm Centre distance = 178 cm Mark = blue/blue	
131-0316	7.00	Diagonale = 160 x 150 cm Centre distance = 201 cm Mark = green/green	
131-0321	7.10	Diagonale = 210 x 150 cm Centre distance = 243 cm Mark = red/red	

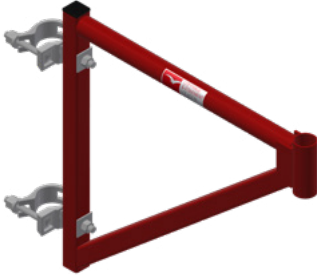
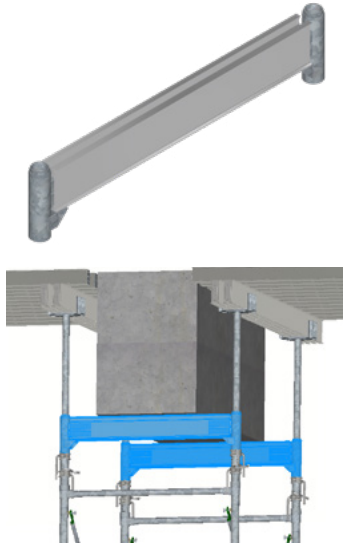
Ref. prod.	Weight (Kg)	Characteristics	Elements
		LOCKING KEY RAIL	
131-0707	2.30	Lenght = 70 cm - Mark = yellow	     
131-0710	2.90	Lenght = 100 cm - Mark = brown	
131-0712	3.40	Lenght = 120 cm - Mark = dark	
131-0713	3.60	Lenght = 130 cm - Mark = blue	
131-0716	4.20	Lenght = 160 cm - Mark = green	
131-0721	5.10	Lenght = 210 cm - Mark = red	
STANDARD elements			
131-0200	0.53	CONNECTOR	
131-0205	0.20	GRAVITY PIN Ø1,2 cm	 
131-0210	0.40	DOUBLE CONNECTOR PIN + BETA PIN Ø1,2 cm	 
NT 2 4			
131-1114 131-1117 131-1122	10.95 14.80 16.90	BIVA LOCKING CONNECTOR GUARDRAIL Lenght = 130 cm Lenght = 160 cm Lenght = 210 cm	

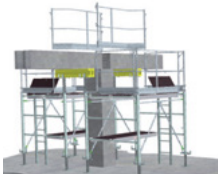
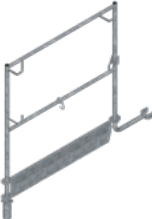
Ref. prod.	Weight (Kg)	Characteristics	Elements
131-1013 131-1016 131-1021	10.95 14.80 16.90	LOCKING CONNECTOR GUARDRAIL Lenght = 130 cm Lenght = 160 cm Lenght = 210 cm <i>For 6 tower feet only</i>	
MULTIDYNAMIC elements			
131-1154	12.80	MULTIDYNAMIC FRAMED GUARDRAIL 92.5 (mixed steel/alu) Lenght = 160 cm	
131-1164	13.80	MULTIDYNAMIC FRAMED GUARDRAIL 150 (mixed steel/alu) Lenght = 160 cm	
131-1134B	12.80	MULTIDYNAMIC STEEL FRAMED GUARDRAIL 92.5 160 x HT 92,5 cm	
131-1144B	15.50	MULTIDYNAMIC STEEL FRAMED GUARDRAIL 150 160 x HT 150 cm	

Ref. prod.	Weight (Kg)	Characteristics	Elements
ACCESS COMPONENTS			
Universals components (for all range)			
131-0807 131-0810 131-0813 131-0816 131-0821	6.50 8.60 10.60 12.60 18.50	STEEL PLATFORM Lenght = 70 cm Lenght = 100 cm Lenght = 130 cm Lenght = 160 cm Lenght = 210 cm	 FORBIDDEN ON ALUMINIUM STAFLEX FRAME
131-3907 131-3910 131-3913 131-3916 131-3921	5.10 6.10 8.00 9.20 13.70	ALUMINIUM PLATFORM Lenght = 70 cm without trapdoor Lenght = 100 cm Lenght = 130 cm Lenght = 160 cm Lenght = 210 cm Width = 50.4 cm	
131-0314 131-0317 131-0322	6.15 6.70 8.37	KV BRACE (only for staflex frame 150) Lenght = 130 cm Lenght = 160 cm Lenght = 210 cm	
131-0315 131-0318 131-0323	5.10 5.80 7	KV BRACE (only for staflex frame 100) Lenght = 130 cm Lenght = 160 cm Lenght = 210 cm	

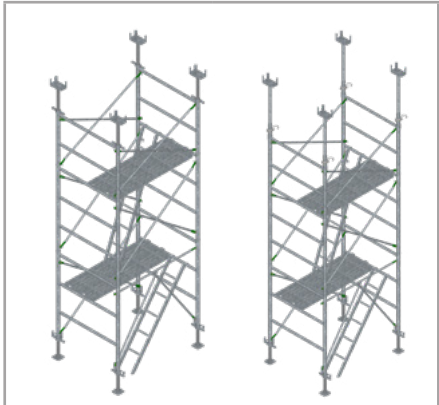
Ref. prod.	Weight (Kg)	Characteristics	Elements
Elements when the ladder is not integrated into the frame			
131-1295	10.00	LADDER H 175 cm	
131-1300	12.60	H 215 cm	
COMPOSANTS DE PIED DE TOUR			
Éléments universels (pour toutes les gammes)			
131-0005	1.40	BASE PLATE	
131-0205	0.20	GRAVITY PIN	
131-0010	7.40	BASE JACK Dimension : 90 cm Stroke : 60 cm	
131-0020	0.50	JACK LOCKING PLATE	

Ref. prod.	Weight (Kg)	Characteristics	Elements
131-0015	8.50	UNLOOSABLE BASE JACK Stroke : 60 cm	
131-0507	4.10	HORIZONTAL BRACE Lenght = 70 cm Mark = yellow Center distance = 139 cm	
131-0510	4.50	Lenght = 100 cm Mark = brown Center distance = 156 cm	
131-0513	5.70	Lenght = 130 cm Mark = blue Center distance = 177 cm	
131-0516	6.00	Lenght = 160 cm Mark = green Center distance = 200 cm	
131-0521	7.40	Lenght = 210 cm Mark = red Center distance = 242 cm	 
ADDITIONAL COMPONENTS			
Universals components (for all range)			
131-1420	26.00	SHIFTING TROLLEY MANUAL	
131-1450	84.00	SHIFTING TROLLEY JACKED	

Ref. prod.	Weight (Kg)	Characteristics	Elements
131-1206	9.95	WALKWAY BRACKET 60 CM Post reservation Ø40	
131-1205	15.20	TOWER BRACKET TOWER BRACKET 60 CM	
131-1200	11.00	HEADER	
131-0230	5.30	DOUBLE ADAPTER FOR HEADER Ø70	
131-0235	0.50	Provide 2 pins Ø15	

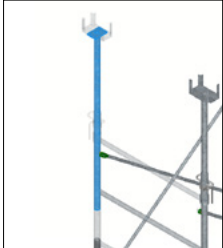
Ref. prod.	Weight (Kg)	Characteristics	Elements
131-2512	10.8	AMOVICLAV	
131-2516	12.9	Lateral guardrail	
131-2517	12.8	Front guardrail	
		Rear guardrail	
BRACING COMPONENTS			
Universals components (for all range)			
151-0050 to 151-0640	9.95	TUBE Ø48.3 X 3.2 MM Lenght mini 50 cm Lenght maxi 640 cm	
152-0149 152-0249 152-0160 152-0260 152-0176 152-0276 152-0360 152-0049 152-0060 152-0076	1.34 1.41 1.57 1.54 1.95 1.84 1.90 0.70 0.95 1.14	COUPLER 49x49 Fixed 49X49 Multidirectional 49x60 Fixed 49X60 O Multidirectional 49x76 Fixed 49X76 Multidirectional 60x60 Multidirectional 49 simple 60 simple 76 simple	

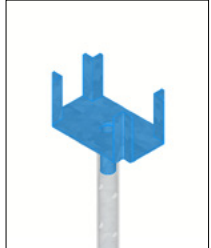
Stalfex standard

		
STEEL base jack STEEL Inner tube		
LOADS / MAX FEET	6 TONS	4 TONS
Maximum weight handled	20.5 kg	20.5 kg
Max. weight of stacked components	20.5 kg	20.5 kg
Means of access	Mobile ladder	
Safety performance	■ Fall arrest harness mandatory	
Ergonomic performance	■ Folding by shifting trolley ■ Craning	

HEADER COMPONENTS

Forkhead jack

Inner tube 170

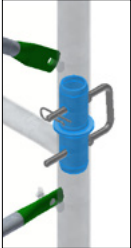
2 way forkhead

STRUCTURE COMPONENTS

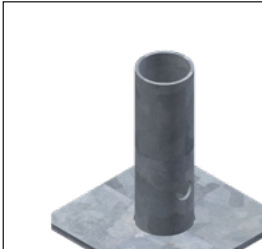
Steel frame STAFLEX 92.5

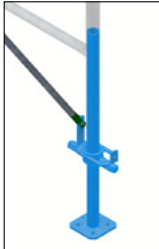
Steel frame STAFLEX 150

Vertical brace

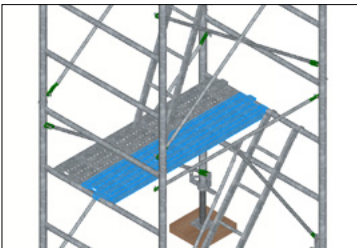
Connector

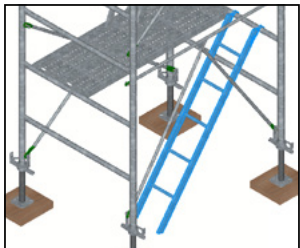
STRAT COMPONENTS

Base plate

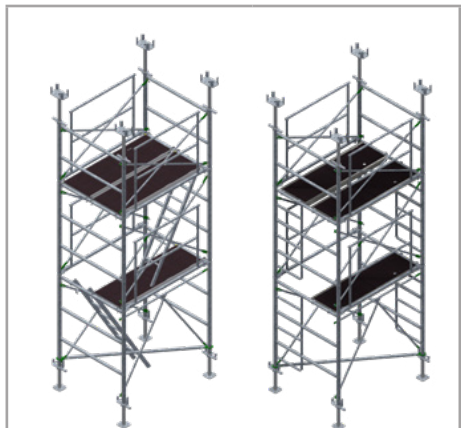
Base jack

ACCESS COMPONENTS

Steel platform

Ladder

Staflex NT24 steel

		
STEEL STEEL integrated ladders		
LOADS / MAX FEET	6 TONS	6 TONS
Maximum weight handled	20.5 kg	25 kg
Max. weight of stacked components	20.5 kg	25 kg
Means of access	Mobile ladder	Integrated ladder
Compliance	Technical note n°24 CRAMIF	
Safety performance	■ Guardrail incorporated in the overlay ■ Aluminium half-bearing with trapdoor ■ Integrated locking system	
Ergonomic performance	■ Access by KV brace ■ Folding by shifting trolley ■ Craning	

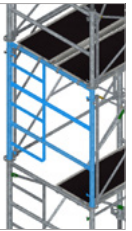
HEADER COMPONENTS

Forkhead jack

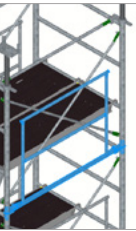
STRUCTURE COMPONENTS

Steel frame STAFLEX 92.5

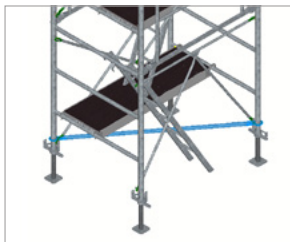
Steel frame STAFLEX 150

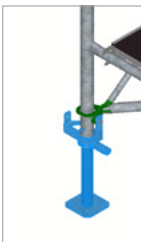
Steel integrated ladders frame STAFLEX 150

Vertical brace

BIVA locking connector guardrail

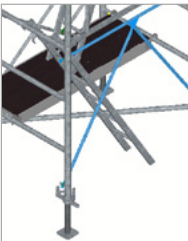
STRAT COMPONENTS

Diagonale horizontale*

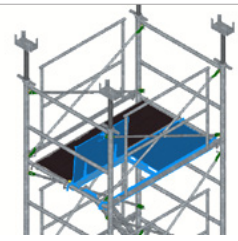
Base jack run

Base plate

ACCESS COMPONENTS

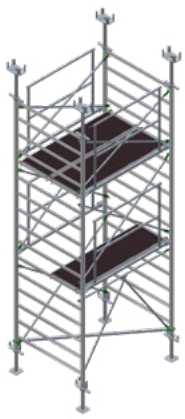
KV brace

Ladder

Aluminium platform

*Option: horizontal diagonals are not mandatory. They are highly recommended, especially for high towers.

STAFLEX NT24 ALUMINIUM



ALU integrated ladders

LOADS /MAX FEET	5 TONS
Maximum weight handled	14.8 kg
Max. weight of stacked components	14.8 kg
Means of access	Integrated ladder
Compliance	Technical note n°24 CRAMIF
Safety performance	- Guardrail incorporated in the overlay - Aluminium half-bearing with trapdoor - Integrated locking system
Ergonomic performance	- Access by KV brace - Folding by shifting trolley - Craning

HEADER COMPONENTS

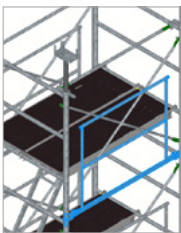


Forkhead jack

STRUCTURE COMPONENTS



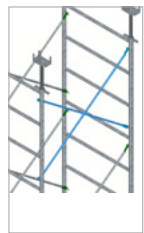
Aluminium frame STAFLEX 92.5



BIVA locking connector guardrail

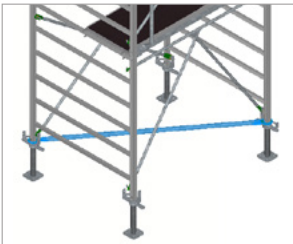


Aluminium frame STAFLEX 150

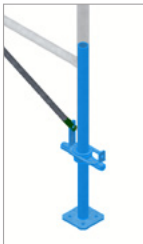


Vertical brace

STRAT COMPONENTS



Horizontal brace *



Base jack run

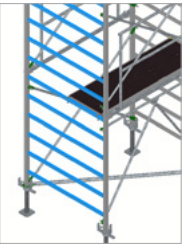


Base plate

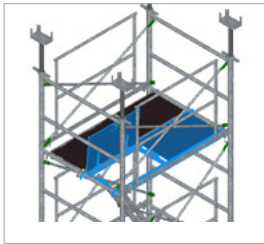
ACCESS COMPONENTS



KV brace

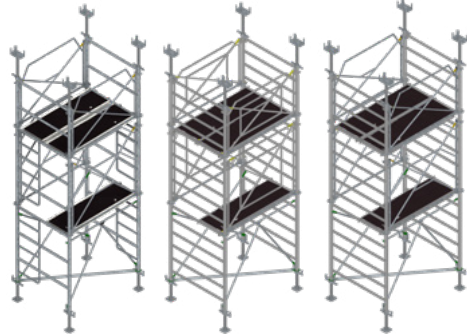


Integrated ladder



Aluminium platform

STAFLEX MULTIDYNAMIC



STEEL integrated ladders

ALU integrated ladders (old frame guardrail)

ALU integrated ladders (new frame guardrail)

LOADS /MAX FEET	6 TONS	5 TONS
Maximum weight handled	25 kg	13.8 kg
Max. weight of stacked components	25 kg	13.8 kg
Means of access	Integrated ladder	
Compliance	Technical note n°24 CRAMIF	
Safety performance	- Guardrail incorporated in the overlay - Aluminium half-bearing with trapdoor - Integrated locking system - Automatic locking action - Built-in lifting points	
Ergonomic performance	- Access by KV brace - Folding by shifting trolley - Craning	
Evolution	- Multidirectional shoring - Decking between towers - Decking under formwork	

HEADER COMPONENTS



Forkhead jack

STRUCTURE COMPONENTS



Aluminium frame STAFLEX 150



Aluminium frame STAFLEX 92.5



Steel integrated ladders frame STAFLEX 150



Multidynamic frame guardrail 92.5 / 150 (mixed steel/alu)

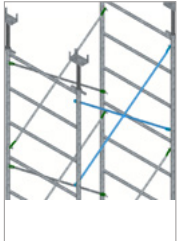


OR multidynamic framed steel guardrail 92.5 / 150

STRAT COMPONENTS



Horizontal brace*



Vertical brace

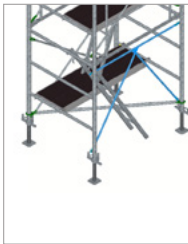


Base jack run

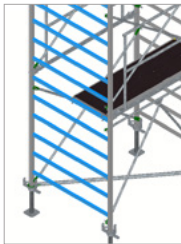


Base plate

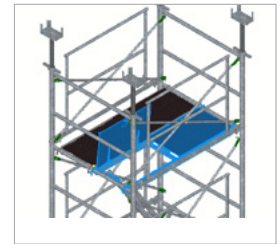
ACCESS COMPONENTS



KV brace



Integrated ladder

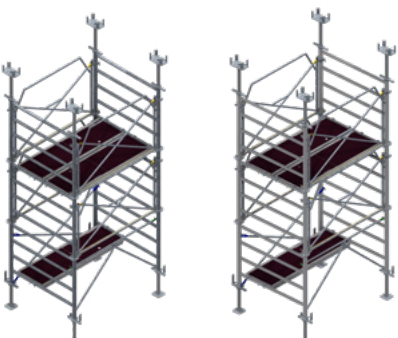


Aluminium platform

*Option: horizontal diagonals are not mandatory. They are highly recommended, especially for high towers.

*Option: horizontal diagonals are not mandatory. They are highly recommended, especially for high towers.

STAFLEX MULTIDYNAMIC ERGOLIGHT

	 STEEL integrated ladders ALU integrated ladders	
LOADS / MAX FEET	6 TONS	5 TONS
Maximum weight handled	15kg	7.5kg
Max. weight of stacked components	15kg	7.5kg
Means of access	Integrated ladder	
Compliance	Technical note n°24 CRAMIF	
Safety performance	- Guardrail incorporated in the overlay - Aluminium half-bearing with trapdoor - Integrated locking system - Automatic locking action - Built-in lifting points	
Ergonomic performance	- Ergonomic frames (1 m high only) - Access by KV brace - Folding by shifting trolley - Craning	
Evolution	- Multidirectional shoring - Decking between towers - Decking under formwork	

COMPOSANTS EN TETE DE TOUR



Forkhead jack

COMPOSANTS DE STRUCTURE



STAFLEX
STEEL frame
1M

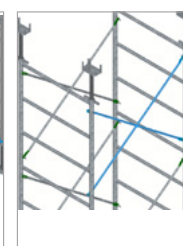


Cadre
ALUMINIUM
frame 1M

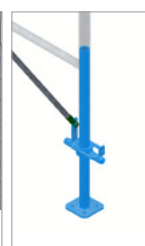
COMPOSANTS EN PIED DE TOUR



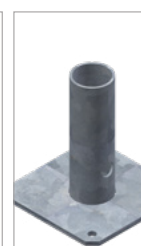
Horizontal brace*



Vertical brace

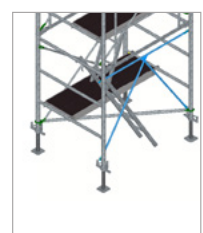


Base jack
run

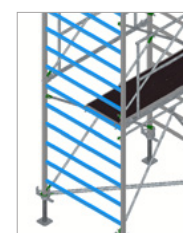


Base plate

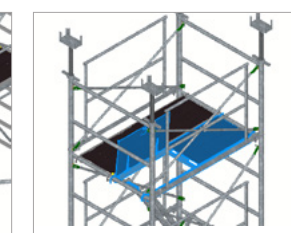
COMPOSANTS D'ACCES



KV brace



Integrated
ladder



Aluminium platform



*Option : les diagonales horizontales ne sont pas obligatoires. Elles sont vivement conseillées notamment pour les tours en grande hauteur.

Manufacturer's guarantee

- The STAFLEX brand is a registered trademark. It is your guarantee of quality. An identification plate is visible on the uprights of STAFLEX frames, and stickers are affixed to the components.
- The manufacture of new equipment and the maintenance of rental equipment are subject to rigorous quality control.
- The warranty conditions are available in the ALTRAD general sales and rental conditions (on the back of the delivery notes or on our website : www.altrad-coffrage.com).



Conditions of use for maintenance

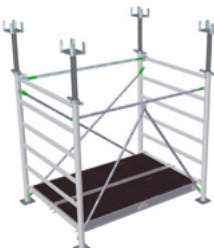
- It is the user's responsibility to keep the shoring he uses in the same state of conformity and without modification since the reception.
- Periodic checks are necessary to ensure its conformity and stability.
- These checks are at the user's expense.
- Recommended frequency : after bad weather, after a work stoppage... (non exhaustive list).
- Imperative frequency: before the shoring is put into service, at each transfer of custody and maintenance, after each modification (non exhaustive list).
- These checks must be carried out by competent personnel and recorded in the safety register
- These verifications concern in particular: the wedging on the ground, the good behaviour of the supports after bad weather and important temperature variations, the replacement of all the damaged components, the good reassembly of the components removed for operational needs, the clearing of the circulations, the conditions of storage of materials on the formwork, the state of cleanliness of the surface of the formwork, the absence of slippage of the bracing collars, the number of anchorages and their state.



LOADS TABLES

Tower configuration code

To facilitate the reading of load tables and bills of material, STAFLEX tower configurations are designated by a code:

	Example: Configuration code for a STAFLEX tower consisting of a base plate at the bottom, 1 level of STAFLEX 150 frames, no level of STAFLEX 92.5 frames and forkhead at the top:						
	P or V	+	1	+	0	+	C or V
	Bottom tower accessories Jack (V) or Base plate (P)	Number of frames 150 0, 1,2 or more STAFLEX frame 150 cm (standard frame)	Number of frames 92.5 0,1,2 or more STAFLEX frame 92.5 cm	Top tower accessories Inner tube integrated fork (C) or Fork (V)			

Reading instruction

- Horizontal diagonal is optional . It is not part of load capacity but prevents the tower base from deforming, including during lifting phases or handling with a shifting trolley.
- Simple jacks can be inverted by unloosable jacks. In case of use of simple jack, you must add 5 mm on the maxi height of the tower (see loads table).
- Top forkhead jacks can be replaced by simple jacks + forks. In this case, you must add 5 mm on the maxi height of the tower (see loads table).
- Inner tubes with integrated fork can be replaced by an inner tube + fork.
- Diagonals KV are interchangeables with diagonals X 150.
- Connectors can be replaced by connector rails or locking connector guardrails.
- On standard version, in case of lifting with base plate tower version, you must add 4 gravity pins.
- Gravity pins can be replaced by double pins with beta.
- Steel frames can be replaced by aluminium frames : loads per foot are different.



BEWARE - Inner tube cannot be used on aluminium towers. Steel platforms are forbidden on aluminium towers.

Loads tables forkheaded jack

The permissible loads are given for free-standing or stabilized, but not braced towers.

Height mini/maxi	Configuration	Loads by amount	
		STAFLEX ALUMINIUM TOWER Base jack / Forkhead jack	STAFLEX ACIER TOWER Base jack / Forkhead jack
			
182 / 271	V+1+0+V	5.0 t	6.0 t
255 / 364	V+1+1+V	4.5 t	5.5 t
310 / 422	V+2+0+V	4.5 t	5.5 t
406 / 515	V+2+1+V	4.5 t	5.0 t
461 / 572	V+3+0+V	4.5 t	5.0 t
556 / 665	V+3+1+V	4.0 t	4.5 t
611 / 723	V+4+0+V	4.0 t	4.5 t
707 / 816	V+4+1+V	3.5 t	4.0 t
762 / 873	V+5+0+V	3.5 t	4.0 t
857 / 967	V+5+1+V	3.0 t	3.0 t
912 / 1024	V+6+0+V	3.0 t	3.0 t
1008 / 1117	V+6+1+V	2.5 t	2.5 t
1063 / 1175	V+7+0+V	2.5 t	2.5 t
1159 / 1268	V+7+1+V	2.0 t	2.0 t
1214 / 1325	V+8+0+V	2.0 t	2.0 t
		STAFLEX ALUMINIUM TOWER Base plate / Forkhead	STAFLEX ACIER TOWER Base plate / Forkhead
			
107 / 151	P+0+1+V	5.0 t	6.0 t
155 / 209	P+1+0+V	5.0 t	6.0 t
250 / 302	P+1+1+V	4.5 t	5.5 t
305 / 359	P+2+0+V	4.5 t	5.5 t
400 / 452	P+2+1+V	4.5 t	5.0 t
455 / 510	P+3+0+V	4.5 t	5.0 t
551 / 603	P+3+1+V	4.0 t	4.5 t
606 / 660	P+4+0+V	4.0 t	4.5 t
702 / 754	P+4+1+V	3.5 t	4.0 t
757 / 811	P+5+0+V	3.5 t	4.0 t
852 / 904	P+5+1+V	3.0 t	3.0 t
907 / 962	P+6+0+V	3.0 t	3.0 t
1003 / 1055	P+6+1+V	2.5 t	2.5 t
1058 / 1112	P+7+0+V	2.5 t	2.5 t
1153 / 1205	P+7+1+V	2.0 t	2.0 t
1208 / 1263	P+8+0+V	2.0 t	2.0 t

Loads tables steel inner tube

- The allowable loads are given for free-standing or stabilized towers, but not braced. In V+1+0+C and P+1+0+C configuration, the inner tube 170 have a blocked stroke because they can come into contact with the components at the end of the tower and inside the uprights of the STAFLEX STEEL FRAMES 150.
- When using frames 170 at the head of the towers, STAFLEX STEEL GUARDRAIL FRAMES 92.5 are not necessary to cover all the heights of the bottom of the fork but can be used if necessary. In this case, use the load corresponding to the total number of frames in height.

	Height Mini/maxi	Configuration	Loads by amount
	STAFLEX ACIER TOWER Base jack / Inner tube		
	262 / 348	V+1+0+C	4.0 t
	336 / 498	V+2+0+C	4.0 t
	492 / 654	V+3+0+C	4.0 t
	648 / 810	V+4+0+C	4.0 t
	804/966	V+5+0+C	4.0 t
	960 / 1122	V+6+0+C	3.0 t
	1116 / 1278	V+7+0+C	2.5 t
	1272 / 1434	V+8+0+C	2.0 t

	Height Mini/maxi	Configuration	Loads by amount
	STAFLEX ACIER TOWER Base plate / Inner tube		
	187 / 285	P+1+0+C	4.0 t
	331 / 435	P+2+0+C	4.0 t
	487 / 591	P+3+0+C	4.0 t
	643 / 747	P+4+0+C	4.0 t
	799 / 903	P+5+0+C	4.0 t
	955 / 1059	P+6+0+C	3.0 t
	1111 / 1215	P+7+0+C	2.5 t
	1267 / 1371	P+8+0+C	2.0 t

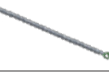
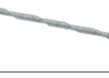
Components STANDARD

Configuration code	Mini / maxi height (cm)	Plate base	Base jack	Steel guardrail frame STAFLEX 150	Steel guardrail frame STAFLEX 92.5	Vertical brace for 150 frame	Vertical brace for 92.5 frame	Connector	Gravity pin	Steel platform and ladder	Steel threaded adapter Ø70	Pin Ø15	Inner tube 170	2 way forkhead	Forkhead jack	Weight (kg) (section 120x160)
P+0+1+C	187/227	4			2		2				4	4	4	4		97
P+0+1+V	107/151	4	4		2		2								4	105
P+1+0+C	187/285	4		2		2					4	4	4	4		113
P+1+0+V	155/209	4	4	2		2									4	121
V+1+0+C	262/348		4	2		2					4	4	4	4		137
V+1+0+V	182/271		8	2		2									4	145
P+1+1+C	331/378	4		2	2	2	2	4	8		4	4	4	4		152
P+1+1+V	250/302	4	4	2	2	2	2	4	8						4	160
V+1+1+C	336/446		4	2	2	2	2	4	8		4	4	4	4		176
V+1+1+V	255/364		8	2	2	2	2	4	8						4	184
P+2+0+C	331/435	4		4		4		4	8		4	4	4	4		168
P+2+0+V	305/359	4	4	4		4		4	8						4	176
V+2+0+C	336/498		4	4		4		4	8		4	4	4	4		192
V+2+0+V	310/422		8	4		4		4	8						4	200
P+2+1+C	487/534	4		4	2	4	2	8	16		4	4	4	4		207
P+2+1+V	400/452	4	4	4	2	4	2	8	16						4	215
V+2+1+C	492/602		4	4	2	4	2	8	16		4	4	4	4		231
V+2+1+V	406/515		8	4	2	4	2	8	16						4	239
P+3+0+C	487/591	4		6		6		8	16		4	4	4	4		223
P+3+0+V	455/510	4	4	6		6		8	16						4	231
V+3+0+C	492/654		4	6		6		8	16		4	4	4	4		247
V+3+0+V	461/572		8	6		6		8	16						4	255
P+3+1+C	643/690	4		6	2	6	2	12	24		4	4	4	4		262
P+3+1+V	551/603	4	4	6	2	6	2	12	24						4	270
V+3+1+C	648/758		4	6	2	6	2	12	24		4	4	4	4		286
V+3+1+V	556/665		8	6	2	6	2	12	24						4	294
P+4+0+C	643/747	4		8		8		12	24		4	4	4	4		278
P+4+0+V	606/660	4	4	8		8		12	24						4	286
V+4+0+C	648/810		4	8		8		12	24		4	4	4	4		302
V+4+0+V	611/723		8	8		8		12	24						4	310
P+4+1+C	799/846	4		8	2	8	2	16	32		4	4	4	4		317
P+4+1+V	702/754	4	4	8	2	8	2	16	32						4	325
V+4+1+C	804/914		4	8	2	8	2	16	32		4	4	4	4		341
V+4+1+V	707/816		8	8	2	8	2	16	32						4	349
P+5+0+C	799/903	4		10		10		16	32		4	4	4	4		333
P+5+0+V	757/811	4	4	10		10		16	32						4	341
V+5+0+C	804/966		4	10		10		16	32		4	4	4	4		357
V+5+0+V	762/873		8	10		10		16	32						4	365
P+5+1+C	955/1001	4		10	2	10	2	20	40		4	4	4	4		372
P+5+1+V	852/904	4	4	10	2	10	2	20	40						4	380
V+5+1+C	960/1070		4	10	2	10	2	20	40		4	4	4	4		396
V+5+1+V	857/967		8	10	2	10	2	20	40						4	404
P+6+0+C	955/1059	4		12		12		20	40		4	4	4	4		388
P+6+0+V	907/962	4	4	12		12		20	40						4	396
V+6+0+C	960/1122		4	12		12		20	40		4	4	4	4		412
V+6+0+V	912/1024		8	12		12		20	40						4	420
P+6+1+C	1111/1157	4		12	2	12	2	24	48		4	4	4	4		427
P+6+1+V	1003/1055	4	4	12	2	12	2	24	48						4	435
V+6+1+C	1116/1226		4	12	2	12	2	24	48		4	4	4	4		451
V+6+1+V	1008/1117		8	12	2	12	2	24	48						4	459
P+7+0+C	1111/1215	4		14		14		24	48		4	4	4	4		443
P+7+0+V	1058/1112	4	4	14		14		24	48						4	451
V+7+0+C	1116/1278		4	14		14		24	48		4	4	4	4		467
V+7+0+V	1063/1175		8	14		14		24	48						4	475
P+7+1+C	1267/1313	4		14	2	14	2	28	56		4	4	4	4		482
P+7+1+V	1153/1205	4	4	14	2	14	2	28	56						4	490
V+7+1+C	1272/1382		4	14	2	14	2	28	56		4	4	4	4		506
V+7+1+V	1159/1268		8	14	2	14	2	28	56						4	514
P+8+0+C	1267/1371	4		16		16		28	56		4	4	4	4		498
P+8+0+V	1208/1263	4	4	16		16		28	56						4	506
V+8+0+C	1272/1434		4	16		16		28	56		4	4	4	4		522
V+8+0+V	1214/1325		8	16		16		28	56						4	530

The number of trays and access ladders depends on the operating mode.

Components NT24 steel

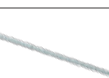
Configurations with STAFLEX 150 frame at the head of the tower require the use of the locking key rail.

Configuration code	Mini / maxi height (cm)																Weight (kg) (section 120x160)	
P+0+1+V	107/151	4	4		1	2	2	1	1	2		2					4	82
P+1+0+V	155/209	4	4		1			1	1			2			1		4	122
V+1+0+V	182/271			4	1	2		1	1			2				4	150	
P+1+1+V	250/302	4	4		1	2	2	1	1	2	2	2		1		4	196	
V+1+1+V	255/364			4	1	2	2	1	1	2	2	2		1		4	224	
P+2+0+V	305/359	4	4		1	4		1	3		2	3	2		2	4	236	
V+2+0+V	310/422			4	1	4		1	3		2	3	2		2	4	264	
P+2+1+V	400/452	4	4		1	4	2	1	3	2	4	3	1	1		4	297	
V+2+1+V	406/515			4	1	4	2	1	3	2	4	3	1	1		4	325	
P+3+0+V	455/510	4	4		1	6		1	5		4	4	1	2	2	4	342	
V+3+0+V	461/572			4	1	6		1	5		4	4	1	2	2	4	370	
P+3+1+V	551/603	4	4		1	6	2	1	5	2	6	4	1	2		4	400	
V+3+1+V	556/665			4	1	6	2	1	5	2	6	4	1	2		4	428	
P+4+0+V	606/660	4	4		1	8		1	7		6	5	1	3	2	4	445	
V+4+0+V	611/723			4	1	8		1	7		6	5	1	3	3	4	473	
P+4+1+V	702/754	4	4		1	8	2	1	7	2	8	5	1	3		4	503	
V+4+1+V	707/816			4	1	8	2	1	7	2	8	5	1	3		4	531	
P+5+0+V	757/811	4	4		1	10		1	9		8	6	1	4	2	4	549	
V+5+0+V	762/873			4	1	10		1	9		8	6	1	4	2	4	577	
P+5+1+V	852/904	4	4		1	10	2	1	9	2	10	6	1	4		4	606	
V+5+1+V	857/967			4	1	10	2	1	9	2	10	6	1	4		4	634	
P+6+0+V	907/962	4	4		1	12		1	11		10	7	1	5	2	4	652	
V+6+0+V	912/1024			4	1	12		1	11		10	7	1	5	2	4	680	
P+6+1+V	1003/1055	4	4		1	12	2	1	11	2	12	7	1	5		4	710	
V+6+1+V	1008/1117			4	1	12	2	1	11	2	12	7	1	5		4	738	
P+7+0+V	1058/1112	4	4		1	14		1	13		12	8	1	6	2	4	755	
V+7+0+V	1063/1175			4	1	14		1	13		12	8	1	6	2	4	783	

*Option: horizontal diagonals are not mandatory. They are highly recommended, especially for high towers.

Components NT24 alu

Configurations with STAFLEX 150 frame at the head of the tower require the use of the locking key rail.

Configuration code		Mini / maxi height (cm)			Plate base		Gravity pin		Base jack		Horizontal brace *		Aluminium guardrail frame STAFLEX 150		Aluminium guardrail frame STAFLEX 92.5		KV brace		Vertical brace for 150 frame		Vertical brace for 92.5 frame		BIVA locking connector guardrail		Aluminium platform		Locking key rail		Forkhead jack	Weight (kg) (section 120x160)
P+0+1+V	107/151	4	4			1	1	2	2	1	1	2	2	1	1	1	1	1	1	2	2			2	8	2	2	4	70	
P+1+0+V	155/209	4	4			1	1			1	1	2		1	1	1	1	1					2	2		1	1	4	104	
V+1+0+V	182/271					1	1	4	4	1	1	2		1	1	1	1	1					2	2	2	1		4	132	
P+1+1+V	250/302	4	4			1	1			1	1	2	2	2	2	1	1	1	2	2	2	2	2	2	2			4	153	
V+1+1+V	255/364					1	1	4	4	1	1	2	2	2	2	1	1	1	2	2	2	2	2	2	2			4	181	
P+2+0+V	305/359	4	4			1	1			1	1	4		1	1	1	1	3	3			2	2	2	3	2	2	4	180	
V+2+0+V	310/422					1	1	4	4	1	1	4		1	1	1	1	3	3			2	2	2	3	2	2	4	208	
P+2+1+V	400/452	4	4			1	1			1	1	4	2	2	2	1	1	3	3	2	2	4	4	3			4	226		
V+2+1+V	406/515					1	1	4	4	1	1	4	2	2	2	1	1	3	3	2	2	4	4	3			4	254		
P+3+0+V	455/510	4	4			1	1			1	1	6				1	1	5	5			4	4	4	4	2	4	252		
V+3+0+V	461/572					1	1	4	4	1	1	6				1	1	5	5			4	4	4	4	2	4	280		
P+3+1+V	551/603	4	4			1	1			1	1	6	2	2	2	1	1	5	5	2	2	6	6	4			4	298		
V+3+1+V	556/665					1	1	4	4	1	1	6	2	2	2	1	1	5	5	2	2	6	6	4			4	326		
P+4+0+V	606/660	4	4			1	1			1	1	8				1	1	7	7			6	6	5	2	2	4	325		
V+4+0+V	611/723					1	1	4	4	1	1	8				1	1	7	7			6	6	5	2	2	4	353		
P+4+1+V	702/754	4	4			1	1			1	1	8	2	2	2	1	1	7	7	2	2	8	8	5			4	371		
V+4+1+V	707/816					1	1	4	4	1	1	8		2	2	1	1	7	7	2	2	8	8	5			4	399		
P+5+0+V	757/811	4	4			1	1			1	1	10		1	1	1	1	9	9			8	8	6	2	2	4	397		
V+5+0+V	762/873					1	1	4	4	1	1	10		1	1	1	1	9	9			8	8	6	2	2	4	425		
P+5+1+V	852/904	4	4			1	1			1	1	10	2	2	2	1	1	9	9	2	2	10	10	6			4	443		
V+5+1+V	857/967					1	1	4	4	1	1	10	2	2	2	1	1	9	9	2	2	10	10	6			4	471		
P+6+0+V	907/962	4	4			1	1			1	1	12				1	1	11	11			10	10	7	2	2	4	470		
V+6+0+V	912/1024					1	1	4	4	1	1	12				1	1	11	11			10	10	7	2	2	4	498		
P+6+1+V	1003/1055	4	4			1	1			1	1	12	2	2	2	1	1	11	11	2	2	12	12	7			4	515		
V+6+1+V	1008/1117					1	1	4	4	1	1	12		2	2	1	1	11	11	2	2	12	12	7			4	543		
P+7+0+V	1058/1112	4	4			1	1			1	1	14		1	1	1	1	13	13			12	12	8	2	2	4	542		
V+7+0+V	1063/1175					1	1	4	4	1	1	14				1	1	13	13			12	12	8	2	2	4	570		

*Option: horizontal diagonals are not mandatory. They are highly recommended, especially for high towers.

Components MULTIDYNAMIC steel

- MULTIDYNAMIC frames are not used in configurations with a single height of STAFLEX 92.5 or 150.
- On the other hand, some configurations require the use of the locking key rail.

Configuration code	Mini / maxi height (cm)	 Plate base	 Gravity pin	 Base jack	 Horizontal brace *	 Steel frame STAFLEX 150x120	 Steel frame STAFLEX 92.5x120	 KV brace	 Vertical brace for 150 frame	 Vertical brace for 92.5 frame	 Steel Multidynamic guardrail frame 150	 Steel Multidynamic guardrail frame 92,5	 Aluminium platform	 Ladder 175 cm	 Ladder 215 cm	 Locking key rail	 Forkhead jack	Weight (kg) (section 120x160)	
P+0+1+V	107/151	4	4		1	2	2	1	1	2			2					4	82
P+1+0+V	155/209	4	4		1	2		1	1				2	2		1	4	117	
V+1+0+V	182/271			4	1	2		1	1					2		1	4	145	
P+1+1+V	250/302	4	4		1	2	2	1	1					2	2		4	172	
V+1+1+V	255/364			4	1	2	2	1	1					2	2	1	4	200	
P+2+0+V	305/359	4	4		1	4		1	1		2			3	3		4	203	
V+2+0+V	310/422			4	1	4		1	1		2			3	2		4	231	
P+2+1+V	400/452	4	4		1	4	2	1	1		2	2		3	3	1	4	257	
V+2+1+V	406/515			4	1	4	2	1	1		2	2		3	1	1	4	285	
P+3+0+V	455/510	4	4		1	6		1	1		4		4	4	1	2	4	294	
V+3+0+V	461/572			4	1	6		1	1		4		4	4	1	2	4	322	
P+3+1+V	551/603	4	4		1	6	2	1	1		4	2	4	4	1	2	4	346	
V+3+1+V	556/665			4	1	6	2	1	1		4	2	4	4	1	2	4	374	
P+4+0+V	606/660	4	4		1	8		1	1		6		5	5	1	3	4	382	
V+4+0+V	611/723			4	1	8		1	1		6		5	5	1	3	4	410	
P+4+1+V	702/754	4	4		1	8	2	1	1		6	2	5	5	1	3	4	434	
V+4+1+V	707/816			4	1	8	2	1	1		6	2	5	5	1	3	4	462	
P+5+0+V	757/811	4	4		1	10		1	1		8		6	6	1	4	4	471	
V+5+0+V	762/873			4	1	10		1	1		8		6	6	1	4	4	499	
P+5+1+V	852/904	4	4		1	10	2	1	1		8	2	6	6	1	4	4	522	
V+5+1+V	857/967			4	1	10	2	1	1		8	2	6	6	1	4	4	550	
P+6+0+V	907/962	4	4		1	12		1	1		10		7	7	1	5	4	559	
V+6+0+V	912/1024			4	1	12		1	1		10		7	7	1	5	4	587	
P+6+1+V	1003/1055	4	4		1	12	2	1	1		10	2	7	7	1	5	4	610	
V+6+1+V	1008/1117			4	1	12	2	1	1		10	2	7	7	1	5	4	638	
P+7+0+V	1058/1112	4	4		1	14		1	1		12		8	8	1	6	4	647	
V+7+0+V	1063/1175			4	1	14		1	1		12		8	8	1	6	4	675	

*Option: horizontal diagonals are not mandatory. They are highly recommended, especially for high towers.

Components MULTIDYNAMIC alu

- MULTIDYNAMIC frames are not used in configurations with a single height of STAFLEX 92.5 or 150.
- On the other hand, some configurations require the use of the locking key rail.

Configuration code		Mini / maxi height (cm)			Plate base		Gravity pin		Base jack		Horizontal brace *		Aluminium frame STAFLEX 150x120		Aluminium frame STAFLEX 92.5x120		KV brace		Vertical brace for 150 frame		Aluminium Multidynamic guardrail frame 150		Aluminium Multidynamic guardrail frame 92,5		Aluminium platform		Forkhead jack	Weight (kg) (section 120x160)	
P+1+1+V	250/302	4	4			1	1	2	2	1	1	2	2	1	1	1	1	1	1			2	2	2	2	4	4	140	168
V+1+1+V	255/364					1	1	2	2	1	1			1	1		1	1				2			2	4	4	160	
P+2+0+V	305/359	4	4			1	1	4		1	1	4		1	1	2	1	1	1	2				3	3	4	4	200	228
V+2+0+V	310/422					1	1	4		1	1	4		1	1	2	1	1	1	2				3	3	4	4	188	
P+2+1+V	400/452	4	4			1	1	4	2	1	1	4	2	1	1	2	1	1	1	2	2			2	3	4	4	228	221
V+2+1+V	406/515					1	1	4	2	1	1	4		1	1	2	1	1	1	2	2			3	3	4	4	221	
P+3+0+V	455/510	4	4			1	1	6		1	1	6		1	1	4	1	1	1	4				4	4	4	4	249	260
V+3+0+V	461/572					1	1	6		1	1	6		1	1	4	1	1	1	4				4	4	4	4	260	288
P+3+1+V	551/603	4	4			1	1	6	2	1	1	6	2	1	1	4	1	1	1	4	2			4	4	4	4	288	281
V+3+1+V	556/665					1	1	6	2	1	1	6		1	1	4	1	1	1	4	2			4	4	4	4	281	309
P+4+0+V	606/660	4	4			1	1	8		1	1	8		1	1	6	1	1	1	6				5	5	4	4	309	320
V+4+0+V	611/723					1	1	8		1	1	8		1	1	6	1	1	1	6				5	5	4	4	320	348
P+4+1+V	702/754	4	4			1	1	8	2	1	1	8	2	1	1	6	1	1	1	6	2			5	5	4	4	348	341
V+4+1+V	707/816					1	1	8	2	1	1	8		1	1	6	1	1	1	6				6	6	4	4	341	369
P+5+0+V	757/811	4	4			1	1	10		1	1	10		1	1	8	1	1	1	8				6	6	4	4	369	381
V+5+0+V	762/873					1	1	10		1	1	10		1	1	8	1	1	1	8				6	6	4	4	381	409
P+5+1+V	852/904	4	4			1	1	10	2	1	1	10	2	1	1	8	1	1	1	8	2			6	6	4	4	409	429
V+5+1+V	857/967					1	1	10	2	1	1	10		1	1	8	1	1	1	8	2			6	6	4	4	429	441
P+6+0+V	907/962	4	4			1	1	12		1	1	12		1	1	10	1	1	1	10				7	7	4	4	441	469
V+6+0+V	912/1024					1	1	12		1	1	12		1	1	10	1	1	1	10				7	7	4	4	469	461
P+6+1+V	1003/1055	4	4			1	1	12	2	1	1	12	2	1	1	10	1	1	1	10	2			7	7	4	4	469	489
V+6+1+V	1008/1117					1	1	12	2	1	1	12		1	1	10	1	1	1	10				8	8	4	4	489	501
P+7+0+V	1058/1112	4	4			1	1	14		1	1	14		1	1	12	1	1	1	12				8	8	4	4	501	
V+7+0+V	1063/1175					1	1	14		1	1	14		1	1	12	1	1	1	12				8	8	4	4		
P+7+1+V	1153/1205	4	4			1	1	14	2	1	1	14	2	1	1	12	1	1	1	12	2			8	8	4	4		

*Option: horizontal diagonals are not mandatory. They are highly recommended, especially for high towers.

Components MULTIDYNAMIC ERGOLIGHT steel

- MULTIDYNAMIC frames are not used in configurations with a single height of STAFLEX 92.5 or 150.
- The platforms are staggered in accordance with NT24 and class A2 of NF P 93 551. The number and arrangement of the platforms may be modified to comply with criterion A1 of NF P 93-551.

Configuration code	Mini / maxi height (cm)	 Plate base	 Gravity pin	 Base jack	 Horizontal brace *	 Steel frame integrated ladder 100x120	 KV brace	 Vertical brace for 92.5 frame	 Multidynamic steel framed guardrail 92,5	 Aluminium platform	 Forkhead jack	Weight (kg) (section 120x160)
P+1+V	107/159	4	4		1	2		2			4	86
V+1+V	182/216			4	1	2		2			4	114
P+2+V	206/260	4	4		1	4	1	1	2		4	151
V+2+V	211/317			4	1	4	1	1	2	2	4	179
P+3+V	307/361	4	4		1	6	1	1	4	3	4	211
V+3+V	312/418			4	1	6	1	1	4	3	4	239
P+4+V	408/462	4	4		1	8	1	1	6	4	4	270
V+4+V	413/519			4	1	8	1	1	6	4	4	298
P+5+V	509/563	4	4		1	10	1	1	8	4	4	326
V+5+V	514/620			4	1	10	1	1	8	4	4	354
P+6+V	610/664	4	4		1	12	1	1	10	5	4	385
V+6+V	615/721			4	1	12	1	1	10	5	4	413
P+7+V	711/765	4	4		1	14	1	1	12	6	4	444
V+7+V	716/822			4	1	14	1	1	12	6	4	472
P+8+V	812/866	4	4		1	16	1	1	14	6	4	500
V+8+V	817/923			4	1	16	1	1	14	6	4	528
P+9+V	913/967	4	4		1	18	1	1	16	7	4	559
V+9+V	918/1024			4	1	18	1	1	16	7	4	587
P+10+V	1014/1068	4	4		1	20	1	1	18	8	4	618
V+10+V	1019/1125			4	1	20	1	1	18	8	4	646
P+11+V	1115/1169	4	4		1	22	1	1	20	8	4	674
V+11+V	1120/1226			4	1	22	1	1	20	8	4	702
P+12+V	1216/1270	4	4		1	24	1	1	22	9	4	733
V+12+V	1221/1327			4	1	24	1	1	22	9	4	761

*Option: horizontal diagonals are not mandatory. They are highly recommended, especially for high towers.

Components MULTIDYNAMIC ERGOLIGHT aluminium

- MULTIDYNAMIC frames are not used in configurations with a single height of STAFLEX 92.5 or 150.
- The platforms are staggered in accordance with NT24 and class A2 of NF P 93 551. The number and arrangement of the platforms may be modified to comply with criterion A1 of NF P 93-551.

Configuration code	Mini / maxi height (cm)	 Plate base	 Gravity pin	 Base jack	 Horizontal brace *	 Aluminium frame integrated ladder 100x120	 KV brace	 Vertical brace for 92.5 frame	 Multidynamic steel framed guardrail 92,5	 Aluminium platform	 Forkhead jack	Weight (kg) (section 120x160)
P+1+V	107/159	4	4		1	2		2			4	71
V+1+V	182/216			4	1	2		2			4	99
P+2+V	206/260	4	4		1	4	1	1	2	2	4	121
V+2+V	211/317			4	1	4	1	1	2	2	4	149
P+3+V	307/361	4	4		1	6	1	1	4	3	4	166
V+3+V	312/418			4	1	6	1	1	4	3	4	194
P+4+V	408/462	4	4		1	8	1	1	6	4	4	210
V+4+V	413/519			4	1	8	1	1	6	4	4	238
P+5+V	509/563	4	4		1	10	1	1	8	4	4	251
V+5+V	514/620			4	1	10	1	1	8	4	4	279
P+6+V	610/664	4	4		1	12	1	1	10	5	4	295
V+6+V	615/721			4	1	12	1	1	10	5	4	323
P+7+V	711/765	4	4		1	14	1	1	12	6	4	339
V+7+V	716/822			4	1	14	1	1	12	6	4	367
P+8+V	812/866	4	4		1	16	1	1	14	6	4	380
V+8+V	817/923			4	1	16	1	1	14	6	4	408
P+9+V	913/967	4	4		1	18	1	1	16	7	4	424
V+9+V	918/1024			4	1	18	1	1	16	7	4	452
P+10+V	1014/1068	4	4		1	20	1	1	18	8	4	468
V+10+V	1019/1125			4	1	20	1	1	18	8	4	496
P+11+V	1115/1169	4	4		1	22	1	1	20	8	4	509
V+11+V	1120/1226			4	1	22	1	1	20	8	4	537
P+12+V	1216/1270	4	4		1	24	1	1	22	9	4	553
V+12+V	1221/1327			4	1	24	1	1	22	9	4	581

*Option: horizontal diagonals are not mandatory. They are highly recommended, especially for high towers.

STABILIZATION & WINDBRACING

Stabilization should not be confused with windbracing. The stabilization of a STAFLEX tower makes it possible to control the risk of the fail over the tower, particularly during assembly/disassembly operations. The windbracing reduces the buckling height of the STAFLEX tower leg. In the case of big heights, this is the way to optimise the load bearing capacity per leg.

Stabilization against tower tipping

An unbraced STAFLEX tower is considered to be an isolated tower during assembly/disassembly or in use. It is self-supporting to a certain height. Above this height, stabilization elements must be installed.

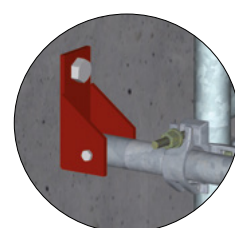
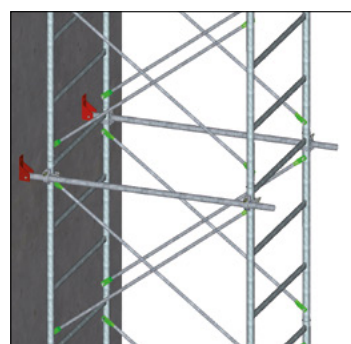
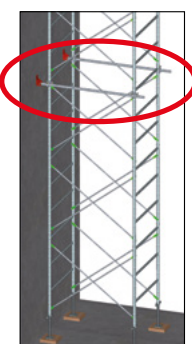
GUIDELINES FOR THE STABILITY OF TOWERS SUBJECTED TO WIND

Towers subject to wind must be subjected to a stability study by a competent engineering office.

MAXIMUM HEIGHT WITHOUT STABILIZATION (SELF-SUPPORTING)		
Insolated STAFLEX tower not subject to wind		
floor section	ALUMINIUM	STEEL
70 x 120	0 cm	271 cm code V+1+0+V
100 x 120	271 cm code V+1+0+V	422 cm code V+2+0+V
130 x 120	422 cm code V+2+0+V	723 cm code V+4+0+V
160 x 120	422 cm code V+2+0+V	723 cm code V+4+0+V
210 x 120	422 cm code V+2+0+V	723 cm code V+4+0+V

Calculations according to EN 1004

Common cases of stabilisation : anchorage tower on a wall or a floor slab (Height <12 m) :



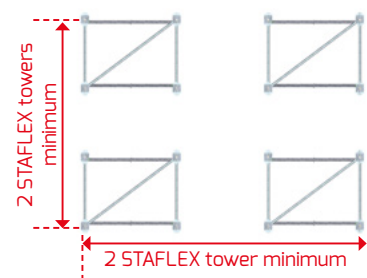
Tube Ø 48.3 x 3.2 equipped with a articulated shoe fixed on a wall by a concrete anchor



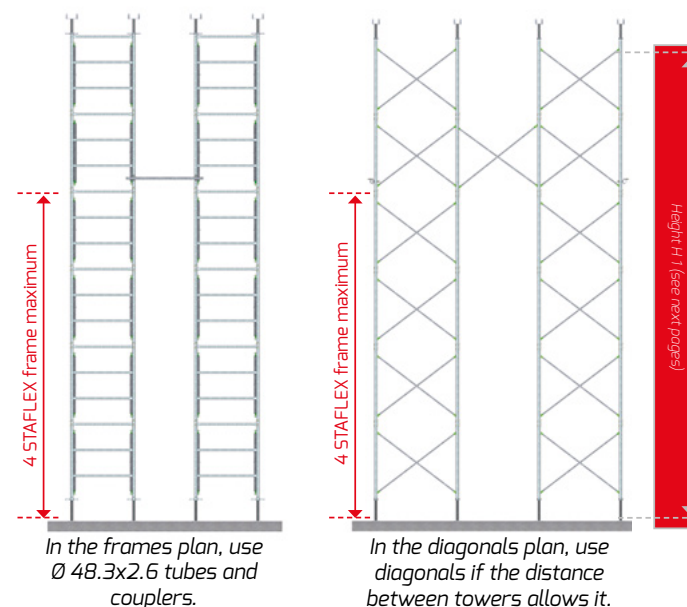
tie rod + anchor bolt fixed on a wall by a concrete anchor

Common cases of stabilisation : LINKING BETWEEN TOWERS :

Plan view :



Plan elevation :

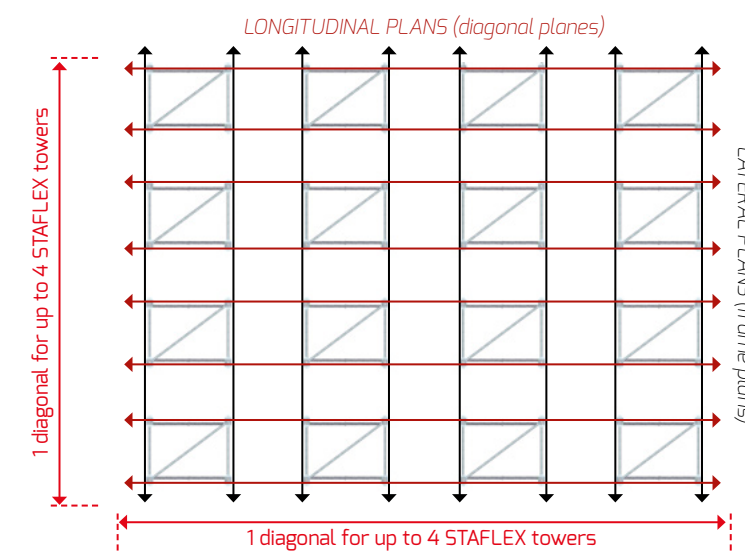


In the frames plan, use Ø 48.3x2.6 tubes and couplers.

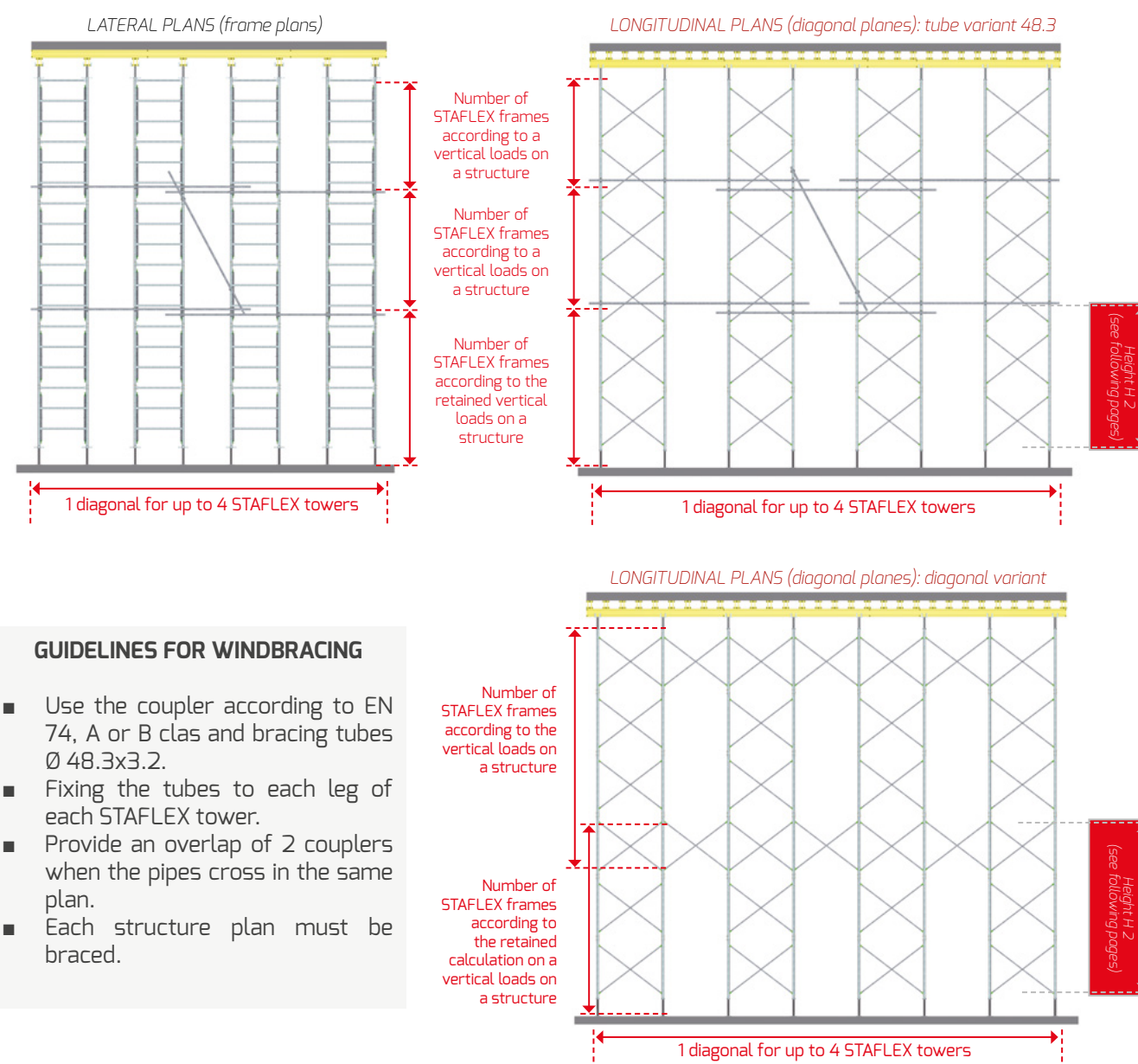
In the diagonals plan, use diagonals if the distance between towers allows it.

Wingbracing to optimise load distribution

- In order to optimise the calculation on a vertical loads on the leg towers, bracing must be provided in all plans for each STAFLEX tower.
- Each structural plane must be braced with the appropriate components: tube Ø 48.3 or diagonal.



Elevation :



GUIDELINES FOR WINDBRACING

- Use the coupler according to EN 74, A or B clas and bracing tubes Ø 48.3x3.2.
- Fixing the tubes to each leg of each STAFLEX tower.
- Provide an overlap of 2 couplers when the pipes cross in the same plan.
- Each structure plan must be braced.

Calculation on a vertical loads on a structure

STABILIZED STAFLEX TOWERS :

Towers that are stabilised but not braced have the load carrying capacity listed in the load tables in this document.

CALCULATION EXAMPLE TOWER V+6+0+V steel STABILIZED DURING ASSEMBLY :

See height H 1 previous pages.

Considering :

- The height of 6 frames, which is equivalent to a V+6+0+V tower (load capacity: 3000 daN per foot).
- The absence of bracing.
- The load drop per leg will be **3000 daN**, as shown in the load table (no need to deduct the structure's own weight).

BRACED STAFLEX TOWERS :

Identify the most unfavourable portion of the tower between two horizontal bracings, then refer to the load table for the height in question.

Above 4 frames high, for each upright, 1/4 of the total weight is to be subtracted from the maximum permitted load drop per tower leg.

CALCULATION EXAMPLE TOWERS V+6+0+V steel BRACED every 3 frames in height :

See height H 2 previous pages.

Considering :

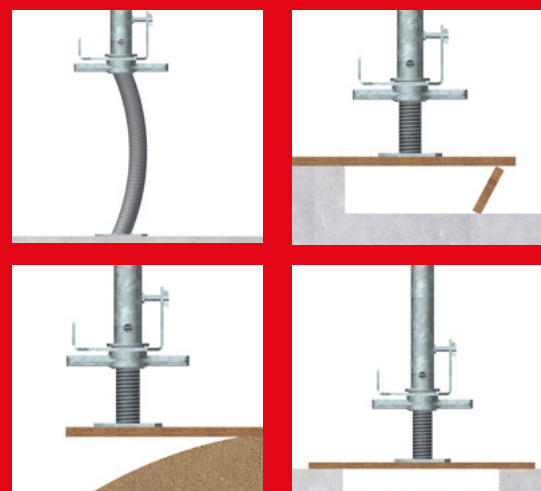
- The height of 3 frames, an equivalent tower V+3+0+V (load capacity: 4500 daN per leg), read on the load table.
- The own weight of the structure beyond 4 STAFLEX frames: 364 daN.
- The load descent per foot will be : $4500 \text{ daN} - 364/4 \text{ daN} \approx \mathbf{4400 \text{ daN}}$.



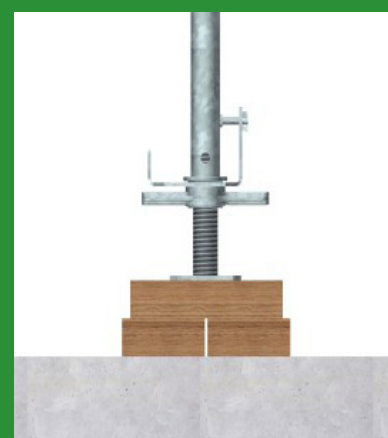
ASSEMBLY INSTRUCTION

Ground support

FORBIDDEN



Prepare the support area before assembly: ground study necessary for great loads.

GROUND
RESISTANCE
TO BE
SPECIFIED

Tower access

- Access the centre of the tower is through the KV braces: easy access.
- Climb the aluminium tower using the non slip ladder integrated into the frames and the platforms with trapdoor.
- Climb the steel tower using the ladders and platforms with trapdoor.

FORBIDDEN



Steel or aluminium STAFLEX tower

AUTORIZED



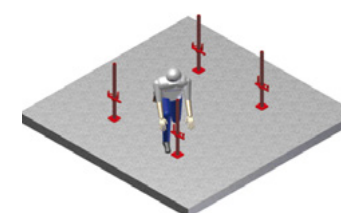
Aluminium STAFLEX tower



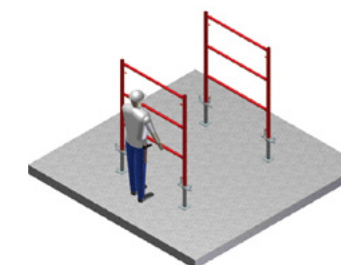
Steel STAFLEX tower

ASSEMBLY INSTRUCTION STAFLEX STANDARD

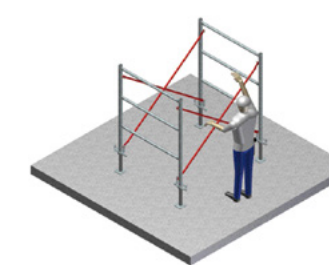
- Before any assembly, the operators must be equipped with the necessary PPE (gloves, helmets, safety shoes, etc.) and have received specific training for tower assembly.
- The tower must be sufficiently stabilized to take the load generated by an operator's fall.
- The safety harness must be attached to the LAST BAR of the STAFLEX FRAME of the previous level.
- REMINDER: all connectors must be locked (pins, double-connector pins...)



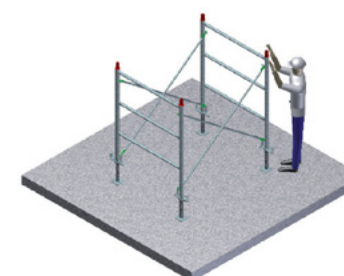
1 Position the 4 jack.



2 Position the 2 STAFLEX steel frames 150.



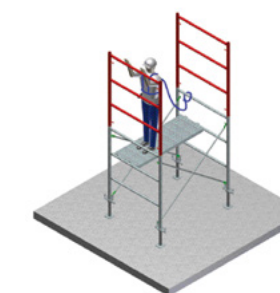
3 Position the 2 vertical brace 150.



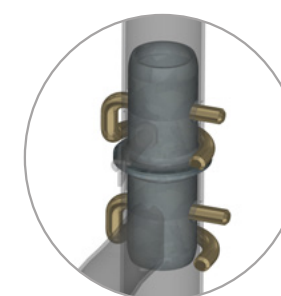
4 Position the 4 connectors on top of the frame



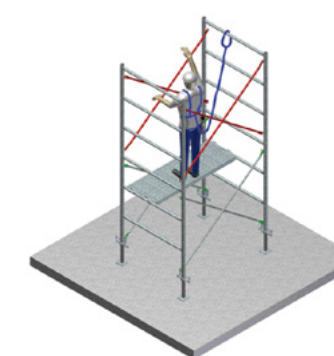
5 Position the 2 steel platform.



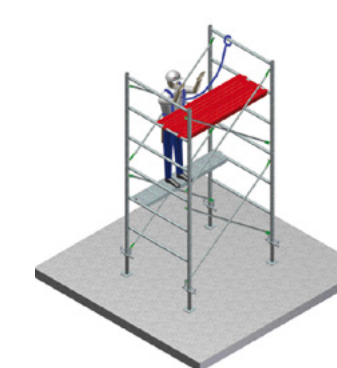
6 Set up the Personal Protective Equipment. Position 2 STAFLEX steel frames 150.



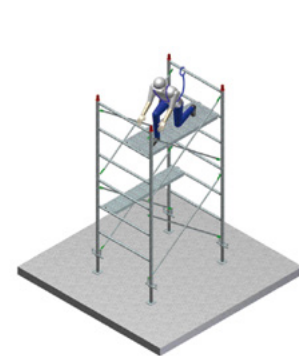
7 Put 2 pins on connector.



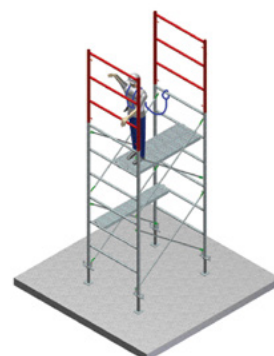
8 Set up the Personal Protective Equipment. Position the 2 vertical brace 150.



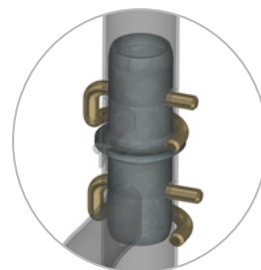
9 Position the 2 steel platform.



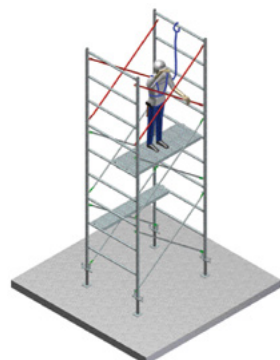
10 Position 4 connectors on the top of the frames.



11 Position the 2 STAFLEX steel frames 150.



12 Put 2 pins on connector.



13 Set up the Personal Protective Equipment. Position the 2 vertical brace 150.



14 Position the 2 steel platform.



15 Position 4 base jack or inner tube 170 + 4 two way forkhead.

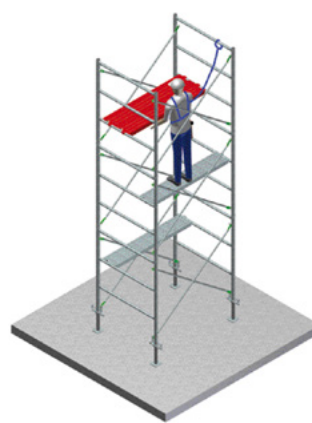
END

DISASSEMBLY INSTRUCTION STAFLEX STANDARD

- Before any assembly, the operators must be equipped with the necessary PPE (gloves, helmets, safety shoes, etc.) and have received specific training for tower assembly.
- The tower must be sufficiently stabilized to take the load generated by an operator's fall.
- The safety harness must be attached to the LAST BAR of the STAFLEX FRAME of the previous level.
- REMINDER: all connectors must be locked (pins, double-connector pins...)



1 Disassemble the forkhead jack.



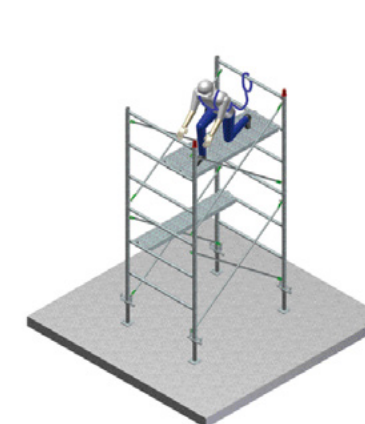
2 Remove the platform.



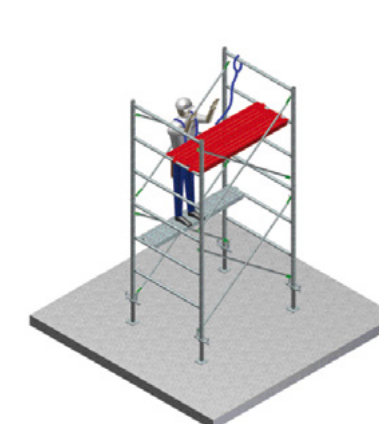
3 Remove the 2 vertical brace 150.



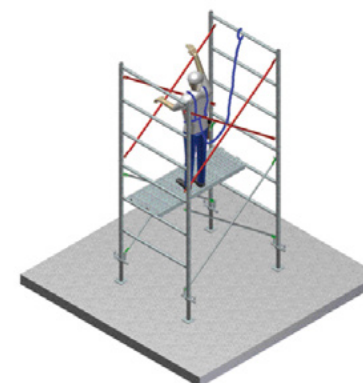
4 Set up the Personal Protective Equipment. Remove the 2 STAFLEX steel frames 150.



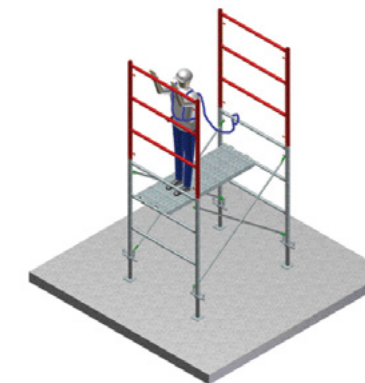
5 Remove the 4 connectors on the top of the frames.



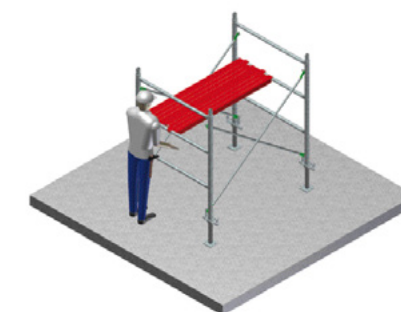
6 Remove the platform.



7 Remove the 2 vertical brace 150.



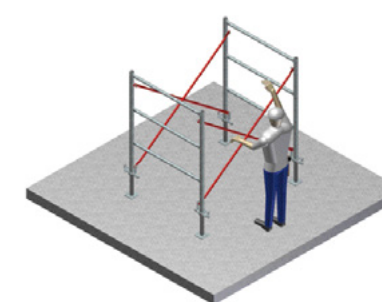
8 Set up the Personal Protective Equipment. Remove the 2 STAFLEX steel frames 150.



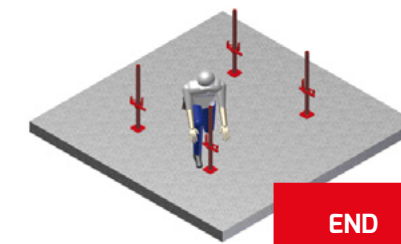
9 Remove the platform.



10 Remove the 4 connectors on the top of the frames.



11 Remove the 2 vertical brace 150 and the STAFLEX steel frames 150.

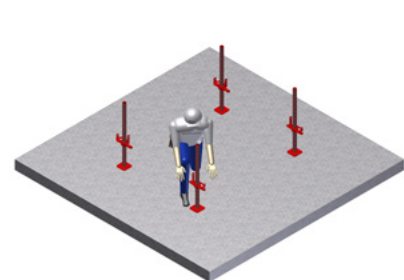


12 Remove 4 base jack.

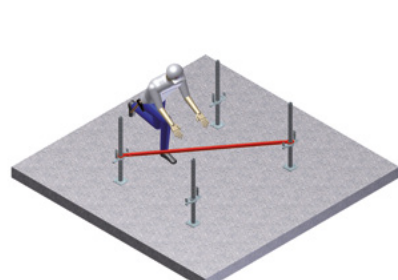
END

ASSEMBLY INSTRUCTION STAFLEX NT 24 ALUMINIUM

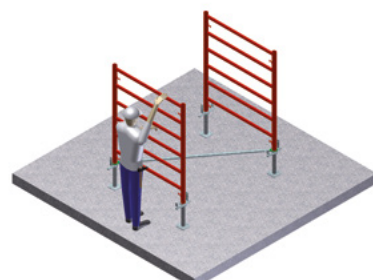
- Before assembly, all workers must be equipped with the necessary safety equipment (gloves, helmets, shoes and so on...) and must have received the relevant tower assembly training.



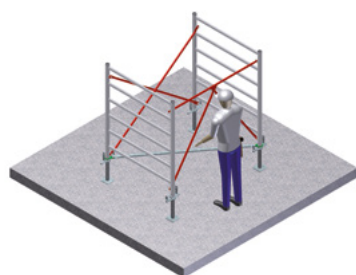
1 Position the jacks.



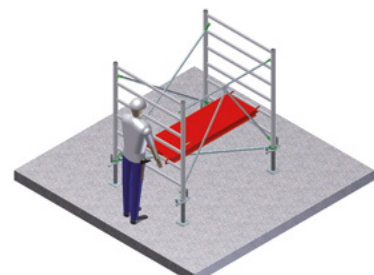
2 Position the horizontal brace (optional).



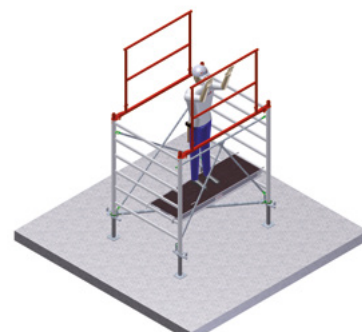
3 Position the 2 STAFLEX aluminium frames 150.



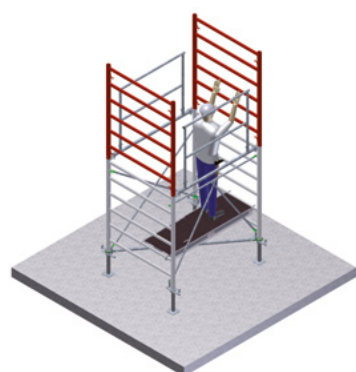
4 Position 1 vertical brace 150 et 1 KV brace.



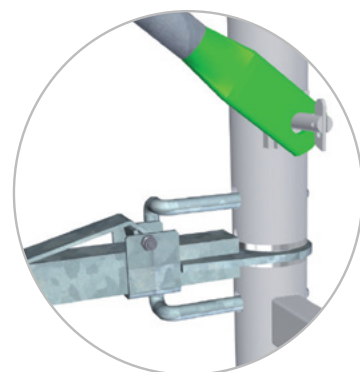
5 Position the first level with aluminium platform.



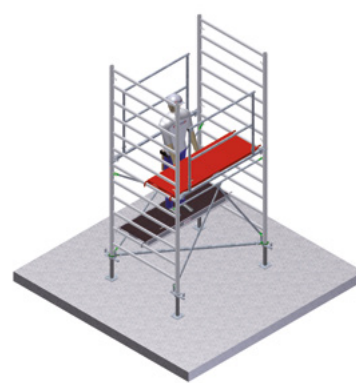
6 Position 2 biva locking connector guardrail.



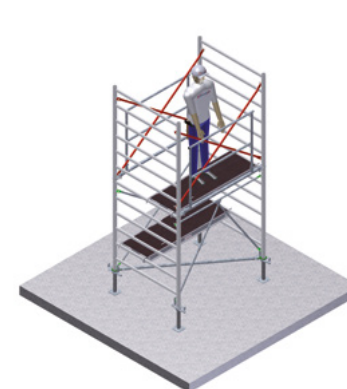
7 Position the 2 STAFLEX aluminium frames 150.



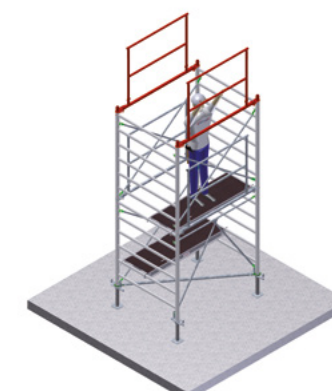
8 Lock the 2 biva locking connector guardrail.



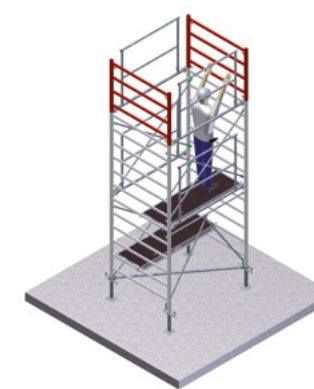
9 Position the next level with aluminium platform.



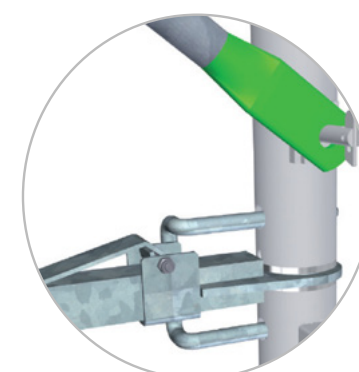
10 Position the 2 vertical brace 150.



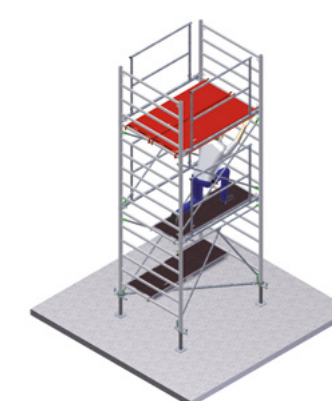
11 Position 2 biva locking connector guardrail.



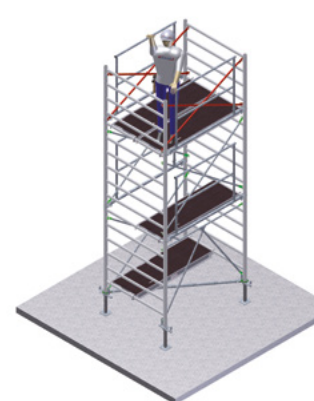
12 Position the 2 STAFLEX aluminium frames 92.5.



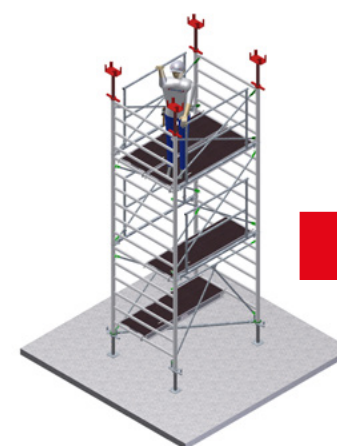
13 Lock the 2 biva locking connector guardrail.



14 Position the new level with aluminium platform.



15 Position the 2 vertical brace 92.5.



16 Position 4 forkhead.

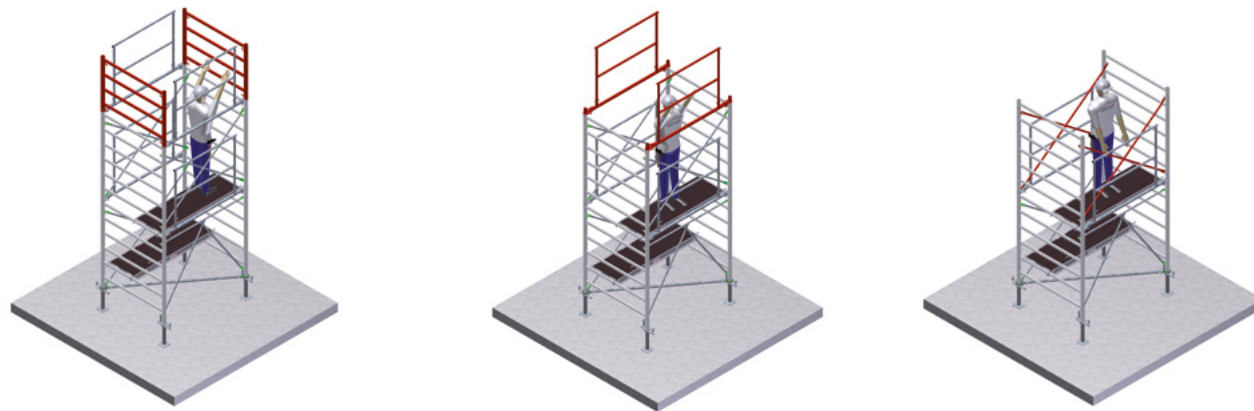
END

DISASSEMBLY INSTRUCTION STAFLEX NT 24 ALUMINIUM

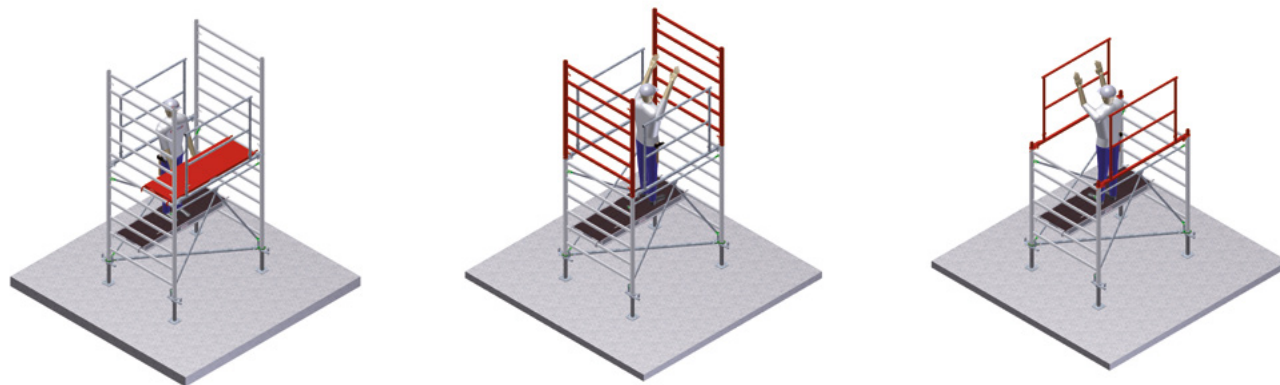
- Before any assembly, the operators must be equipped with the necessary PPE (gloves, helmets, safety shoes, etc.) and have received specific training for tower assembly.
- The tower must be sufficiently stabilized to take the load generated by an operator's fall.
- The safety harness must be attached to the LAST BAR of the STAFLEX FRAME of the previous level.



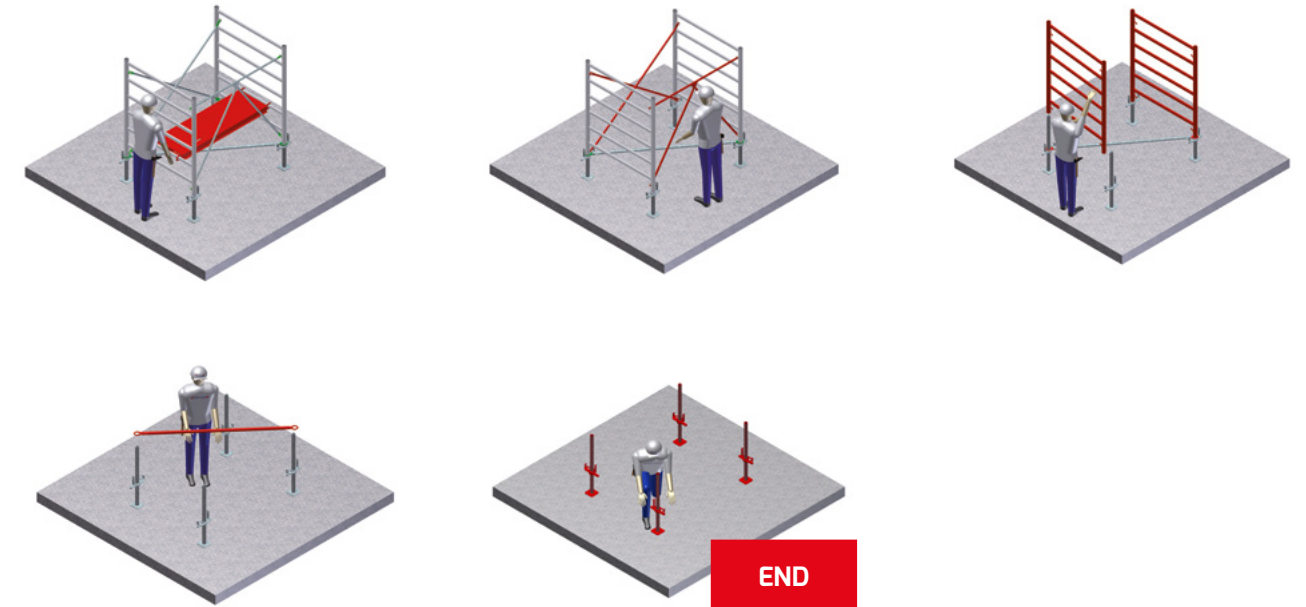
- 1** Disassemble the forkhead jacks and take off the X braces. Lower the platform by 1.50m, remove the second platform from the top tower.



- 2** From the lower platform, take off the locking connector guardrails - Remove the vertical braces.



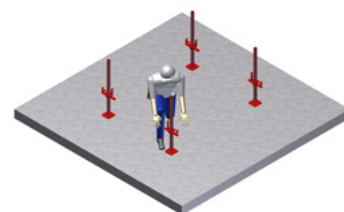
- 3** Lower the platforms by 1m; from inside the tower, take off the frames; from the ground, take off the platforms and the connector rails.



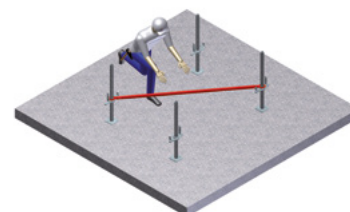
- 4** On the ground, take off the last vertical brace and the KV brace ... Remove the last frames. Take off the diagonal and the base jacks. Store away the equipment on right pallets..

ASSEMBLY INSTRUCTION STAFLEX NT 24 ACIER

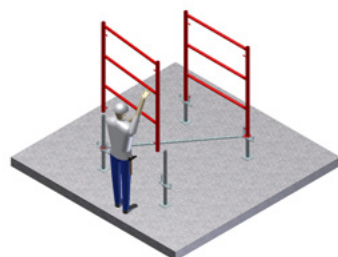
- Before assembly, all workers must be equipped with the necessary safety equipment (gloves, helmets, shoes and so on...) and must have received the relevant tower assembly training.



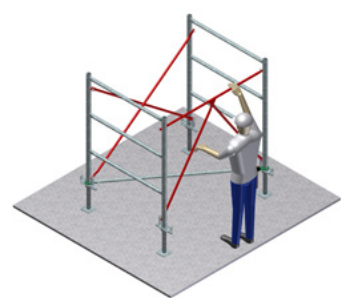
1 Position 4 base jack.



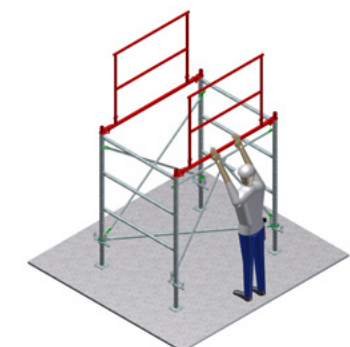
2 Position 1 horizontal brace (optional).



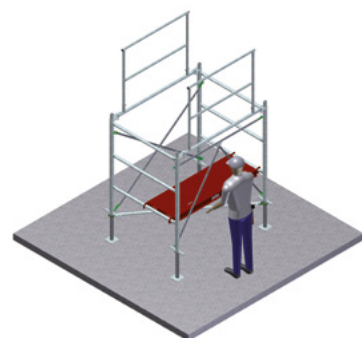
3 Position 2 steel STAFLEX frames 150.



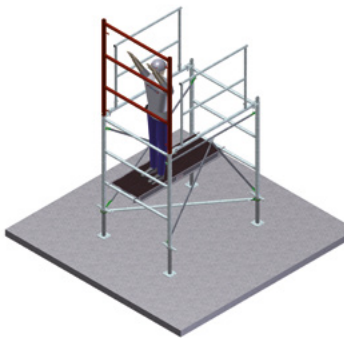
4 Position 1 vertical brace 150 et 1 KV brace.



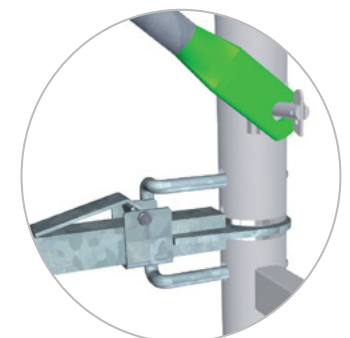
5 Position 2 biva locking connector guardrail.



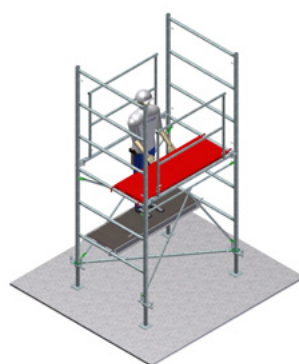
6 Position the first level with aluminium platform.



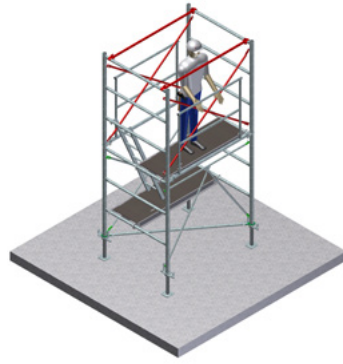
7 Position 2 steel STAFLEX frames 150.



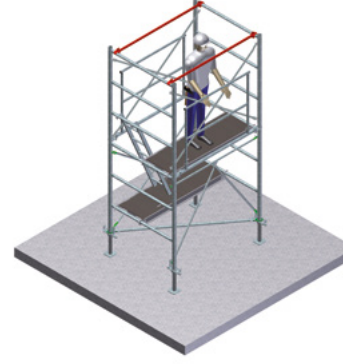
8 Lock the 2 biva locking connector guardrail.



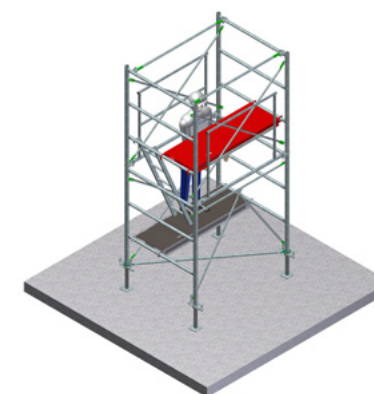
9 Position the second level with aluminium platform.



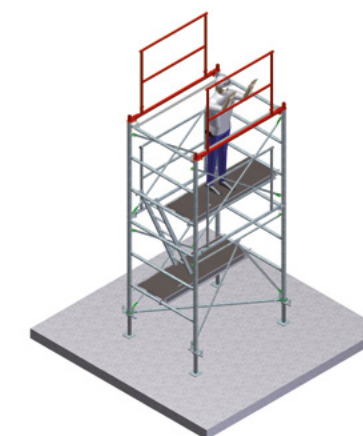
10 Position 2 vertical brace 150.



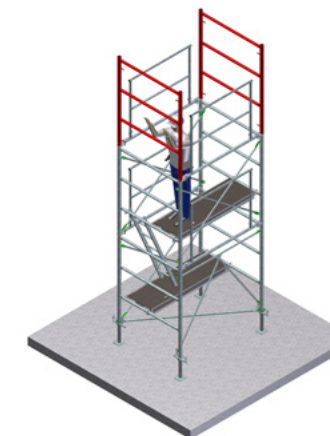
11 Position 2 locking key rail on the bar.



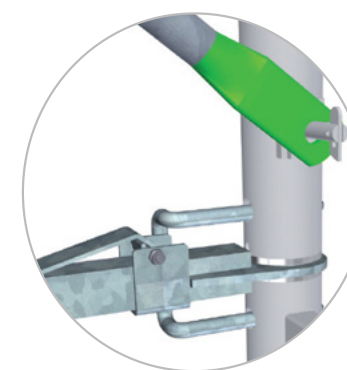
12 Position the next level with aluminium platform.



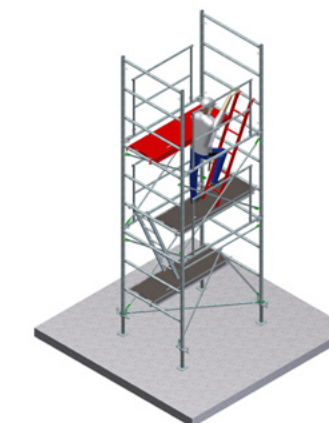
13 Position 2 biva locking connector guardrail.



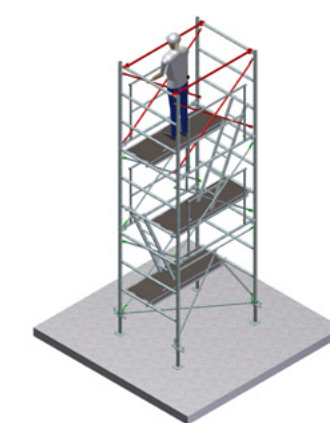
14 Position 2 steel STAFLEX frames 150.



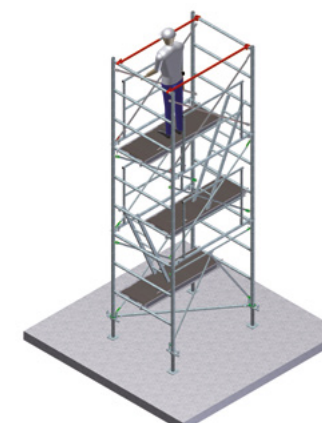
15 Lock the 2 biva locking connector guardrail.



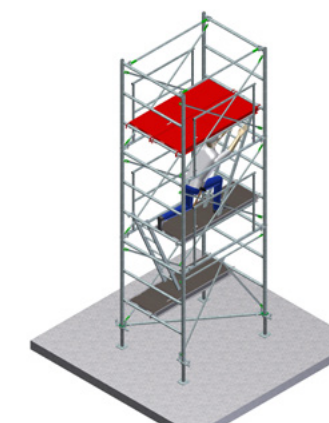
16 Position the next level with aluminium platform.



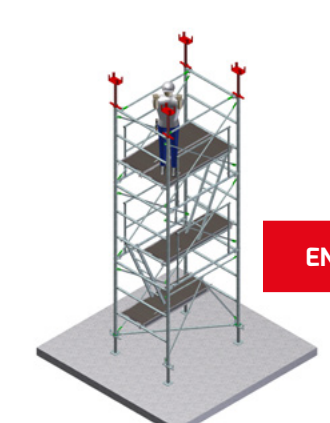
17 Position 2 vertical brace 150.



18 Position 2 locking key rail on the bar.



17 Position the next level with aluminium platform.

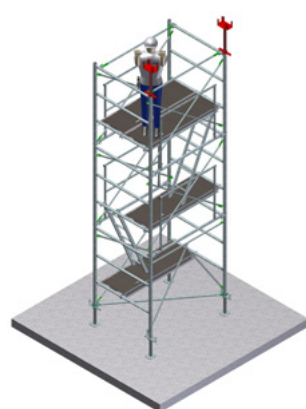


20 Position 4 forkhead.

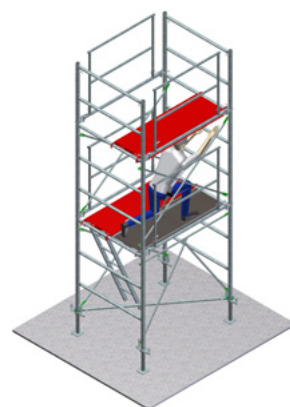
END

DISASSEMBLY INSTRUCTION STAFLEX NT 24 ACIER

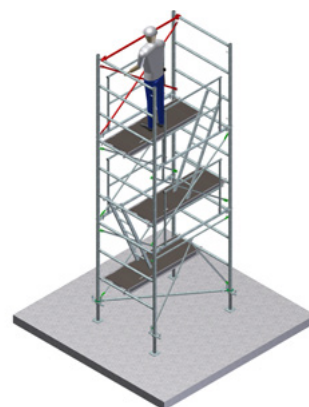
- Before any assembly, the operators must be equipped with the necessary PPE (gloves, helmets, safety shoes, etc.) and have received specific training for tower assembly.
- The tower must be sufficiently stabilized to take the load generated by an operator's fall.
- The safety harness must be attached to the LAST BAR of the STAFLEX FRAME of the previous level.



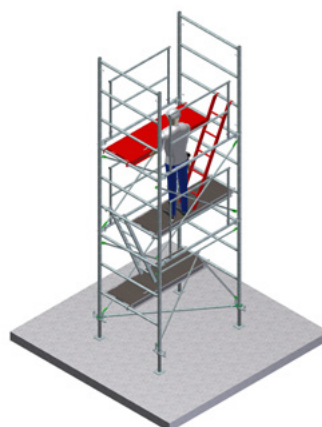
1 Disassemble the forkhead jacks.



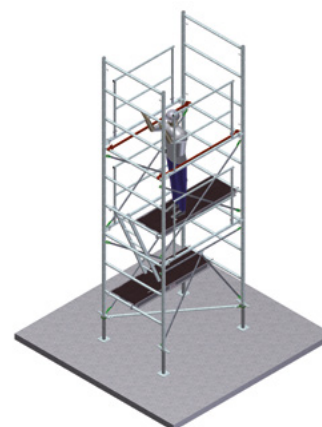
2 Lower the platform by 1.50m, remove the second platform from the top tower.



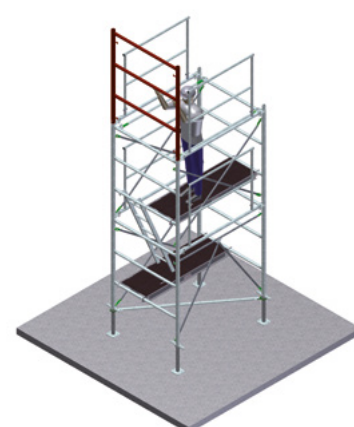
3 Remove the locking key rail and the vertical brace.



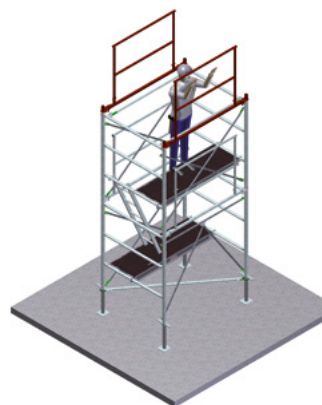
4 Lower the platform by 1.50m, remove the second platform from the top tower.



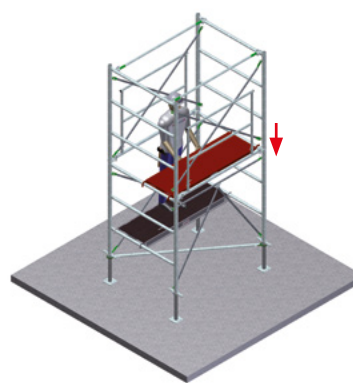
5 Position 2 locking key rail on the bar.



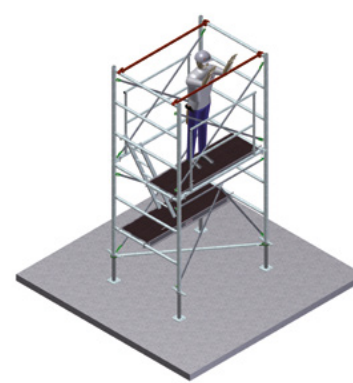
6 Remove the 2 steel STAFLEX frames 150.



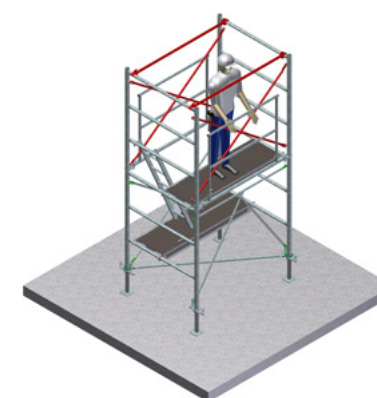
7 Remove the 2 biva locking connector guardrail.



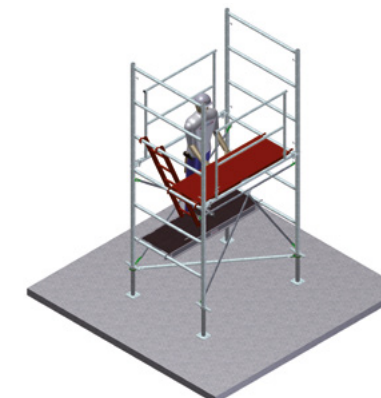
8 Lower the last level platform.



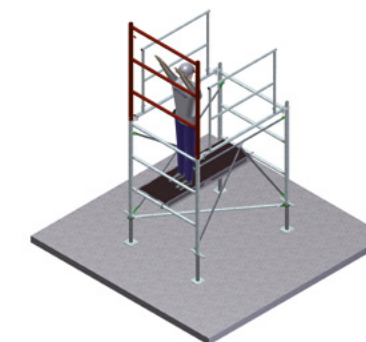
9 Remove the locking key rail.



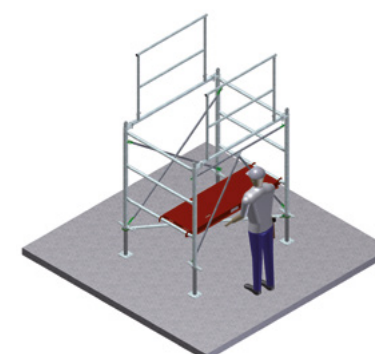
10 Remove the 2 vertical brace.



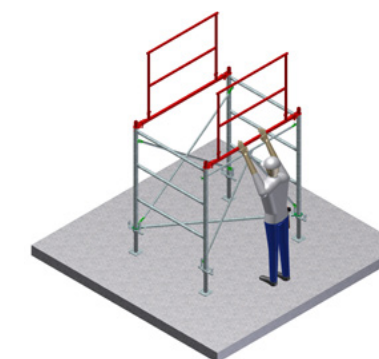
11 Lower the last level platform.



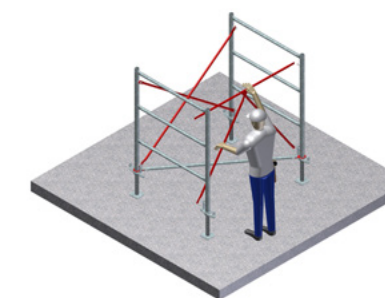
12 Remove the 2 steel STAFLEX frames 150.



13 Remove the last level platform.



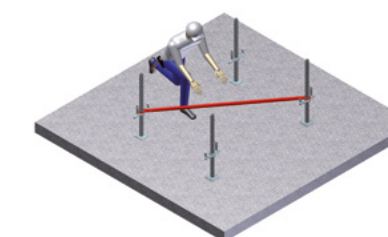
14 Remove the 2 biva locking connector guardrail.



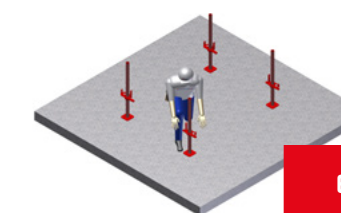
15 Remove the 1 vertical brace 150 et 1 KV brace.



16 Remove the 2 last steel STAFLEX frames 150.



17 Remove the horizontal brace (optional).

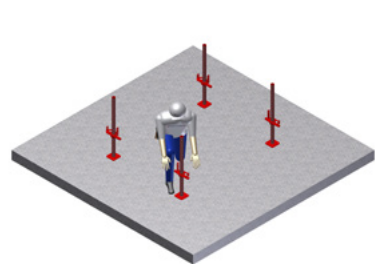


18 Remove the base jack.

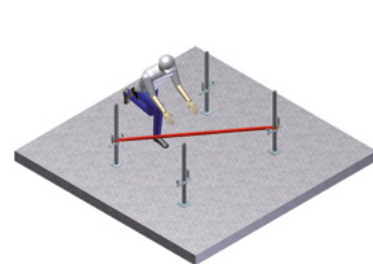
END

ASSEMBLY INSTRUCTION STAFLEX MULTIDYNAMIC

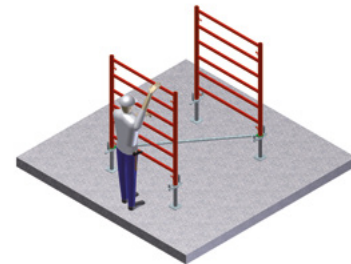
- Before assembly, all workers must be equipped with the necessary safety equipment (gloves, helmets, shoes and so on...) and must have received the relevant tower assembly training.



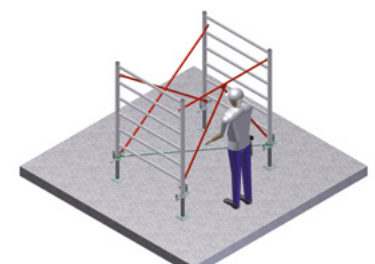
1 Adjust and install the jacks.



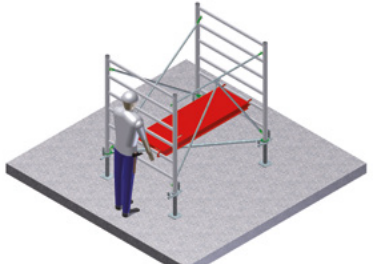
2 Position 1 horizontal brace (optional).



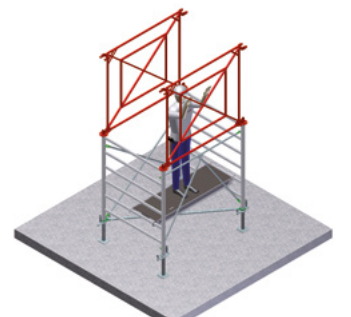
3 Position 2 aluminium STAFLEX frames 150.



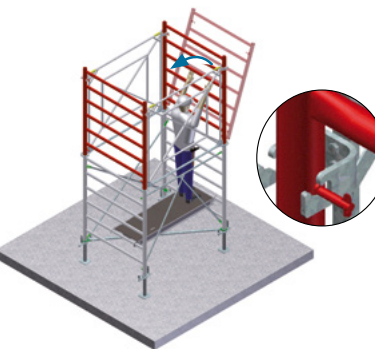
4 Position 1 vertical brace 150 et 1 KV brace.



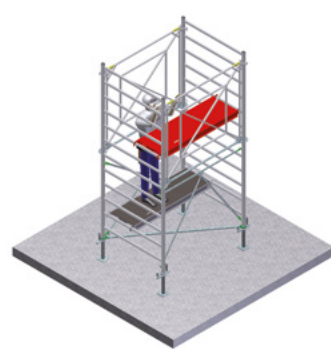
5 Position the first level with aluminium platform.



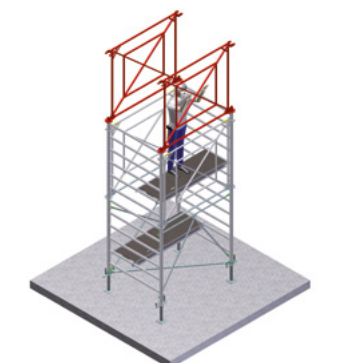
6 Position 2 multidynamic framed guardrail 150 (steel or aluminium).



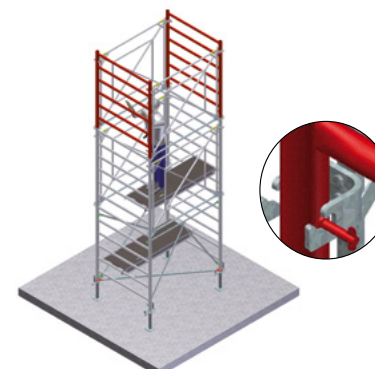
7 Position 2 aluminium STAFLEX frames 150.



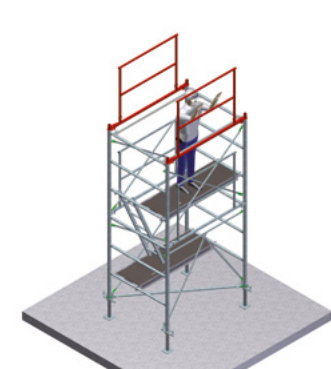
8 Position the next level with aluminium platform.



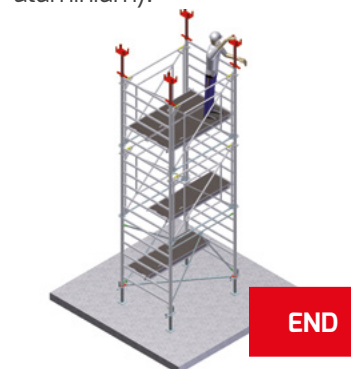
9 Position 2 multidynamic framed guardrail 150 (steel or aluminium).



10 Position 2 aluminium STAFLEX frames 150.



11 Position the last level with aluminium platform.

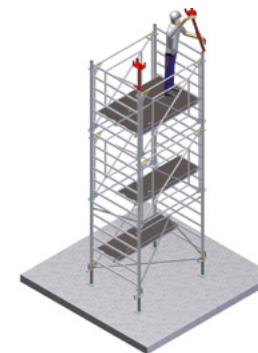


12 Position 4 forkhead.

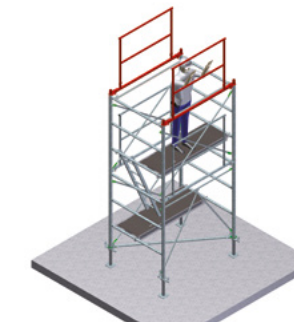
END

DISASSEMBLY INSTRUCTION STAFLEX MULTIDYNAMIC

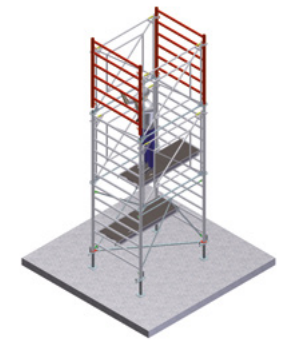
- Before any assembly, the operators must be equipped with the necessary PPE (gloves, helmets, safety shoes, etc.) and have received specific training for tower assembly.
- The tower must be sufficiently stabilized to take the load generated by an operator's fall.
- The safety harness must be attached to the LAST BAR of the STAFLEX FRAME of the previous level.



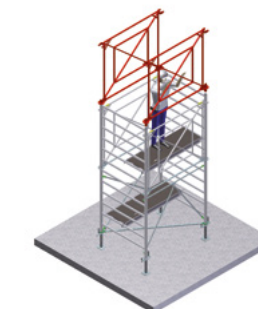
1 Disassemble the forkhead jacks.



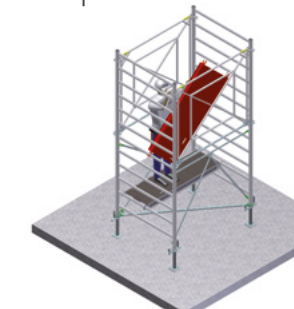
2 Lower the platform by 1.50m, remove the second platform from the top tower.



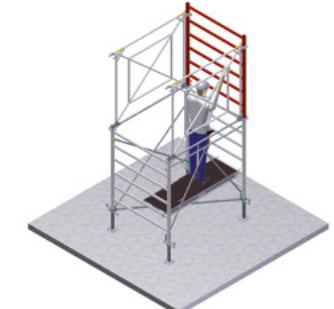
3 Remove the 2 aluminium STAFLEX frames 150.



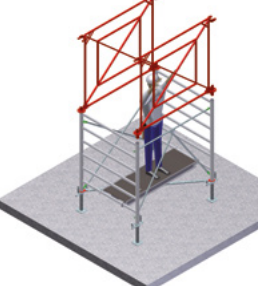
4 Position 2 multidynamic framed guardrail 150 (steel or aluminium).



5 Remove the next level platform.



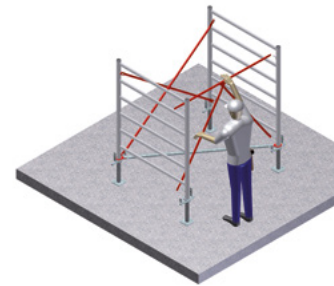
6 Remove the 2 aluminium STAFLEX frames 150.



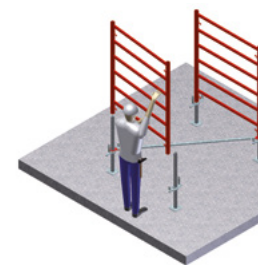
7 Position 2 multidynamic framed guardrail 150 (steel or aluminium).



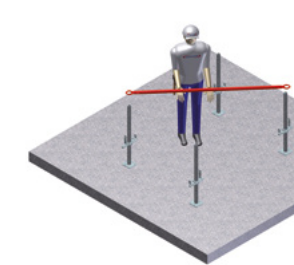
8 Remove the last level platform.



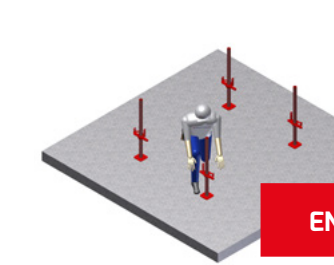
9 Remove the 1 vertical brace 150 et 1 KV brace.



10 Remove the 2 aluminium STAFLEX frames 150.



11 Remove the horizontal brace (optional).



12 Remove the base jack.

END



Find out how the STAFLEX
MULTIDYNAMIC shoring tower
works on video on our YouTube
channel.



MOVING A STAFLEX TOWER

General instruction

A STAFLEX tower can be moved by lifting with a crane or by shifting with a shifting trolley. The personnel using this equipment must be trained, competent and used to this type of handling. Moreover, they must be equipped with all the necessary personal protective equipment.

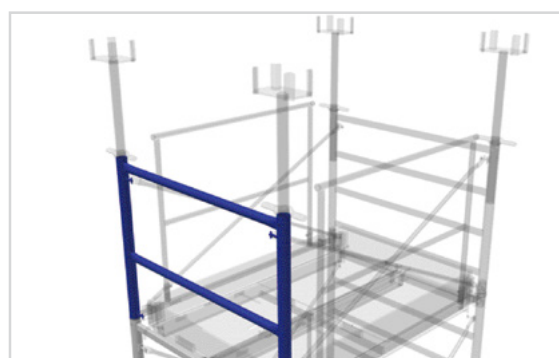
INSTRUCTIONS BEFORE MOVING BY LIFTING OR SHIFTING

- Do not lift or shift a tower higher than 4 frames.
- We recommend the use of the horizontal diagonal to ensure that the tower is square when it is moved.
- Any foot brackets are properly attached to the jack plates through the holes provided.
- Check the presence of all the components on the tower (diagonals, pins...)
- Check that the jacks are firmly attached to the tower thanks to the captive system (tilting device engaged).
- On multidynamic guardrail frames, check that the locks at the STAFLEX frame joints are engaged.
- If the tower is moved with formwork beams, these must be attached to the tower.
- There must be no material or tools on the floors that could fall off when the STAFLEX tower is moved.
- No operator must be on the STAFLEX tower.

Lifting crane

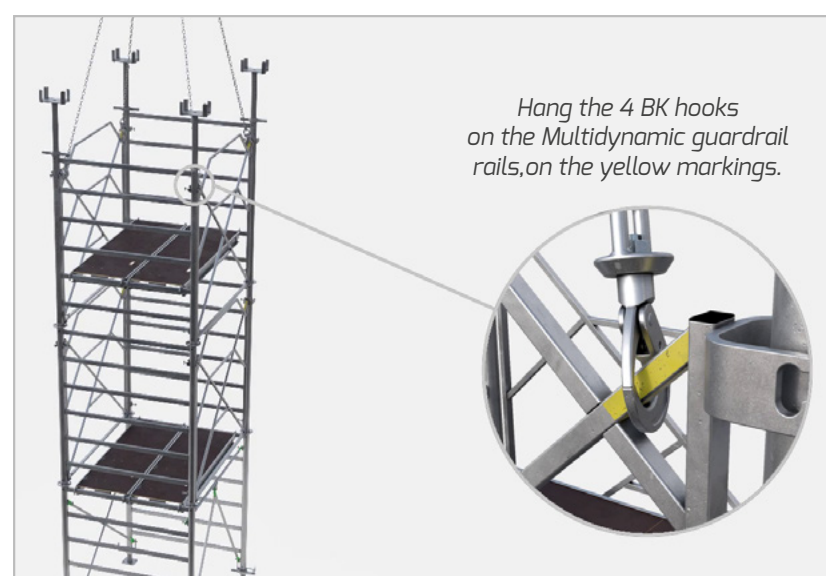
For the staflex NT24 tower

Compulsory fixing of 4 slings at the top of the tower. CHECK the correct locking of the BIVA connector guardrails. If using other connector rails or connectors, check the presence of gravity pins or double pins with Beta pins



The sling is installed around the structure of the frames, under a rung.

On MULTIDYNAMIC lathes, the crane hook is attached to the tube WITH YELLOW MARK.



Hang the 4 BK hooks on the Multidynamic guardrail rails, on the yellow markings.

For all tower types
IMPERATIVE: attach 4 LIFTING MEANS to the 4 sides of the tower.

GLOBAL INSTRUCTIONS
LIFTING CRANE

- Make sure that the 4 slings are correctly fixed and positioned on the tower.
- Do not remove the anchorage or stabilization tube before put the slings in tension.
- The maximum angle of the slings must NOT exceed 60°.
- Before setting up the tower, make sure it is adequately shimmed for the type of ground.
- Before removing the slings, replace the tower's stability components (stabilizers or anchors).

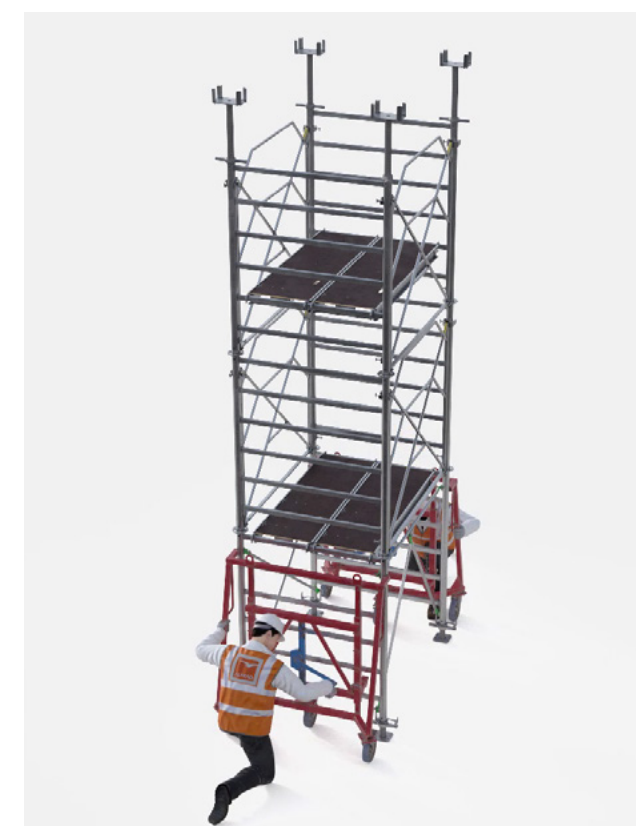
Shifting trolley moving

The STAFLEX tower can be moving by shifting trolley.

INSTRUCTIONS

Checking (visual inspection)

- **Condition of the welds :**
There should be no delamination.
- **The condition of the structural elements :**
There must be no deformation of the profiles and tubes
There must be no knocks or shocks.
- **The condition of the multidirectional wheels :**
The pivot must not be blocked.
The wheel must not be warped.
- **The condition of the wheel brakes:**
The brakes must not be locked in the FREE WHEEL position.
- **The condition of the rack:**
The teeth must not be chipped.
There should be no concrete or concrete dust on the mechanism.
There should be no grease missing from the mechanism.
- **Condition of the sling points:**
They shall not be deformed.
The hole should not be ovalized.

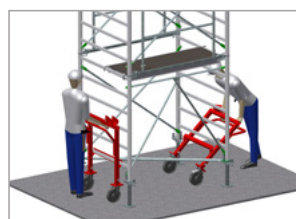


ADDITIONAL COMPONENTS

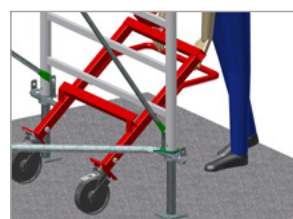
Shifting trolley (2 wheels)



- Steel cart
- Working load : 800 kg
- Empty weight: 26 kg
- Adjustment range: Mini 55 cm/Maxi 90 cm
- Multidirectional wheels with brakes
- Lifting with flexible slings



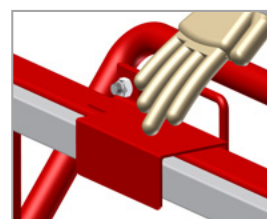
2 operators position the TROLLEYS face to face.



The LOWER GUIDE of the cart is passed UNDER A BAR of the STAFLEX frame.



By leverage, the tower is LIFTED.



To lock the carriage, LOWER the LOCK onto the top rung.



Each wheel is equipped with a FOOT BRAKE.

Shifting trolley (3 wheels)



- Steel cart
- Working load : 800 kg
- Empty weight: 84 kg
- Adjustment range: 340 mm
- Multidirectional wheels with brake
- Built-in crane lifting rings



2 operators position the trolleys face to face.



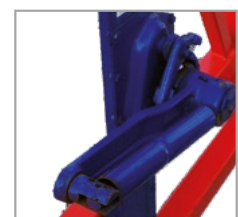
Position the high legs against the STAFLEX frame upright.



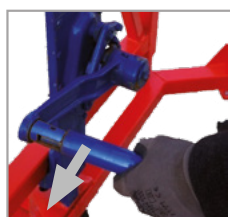
The carriage's lower mobile guide is passed under a bar on the STAFLEX frame (adjustment possible).



Each wheel is equipped with a foot brake.



Handle in closed position.



To raise the tower, unfold the retractable handle.



Pull the retractable handle.



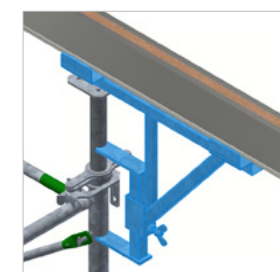
Push back to block.

INSTRUCTIONS BEFORE SHIFTING

- Maximum height of the tower during shifting: 4 frames.
- Before moving the tower, make sure that the ground can support the loads of the two carts and the tower.
- Before moving the tower, make sure the ground is compact so that the wheels do not sink.
- Before moving the tower, make sure that the ground in the area where the carts will move is clean and free of rubble.
- Check that the tower is vertical before using it again.

Tower bracket

The STAFLEX range offers 3 types of brackets: tower bracket 60 or 100 cm and header.

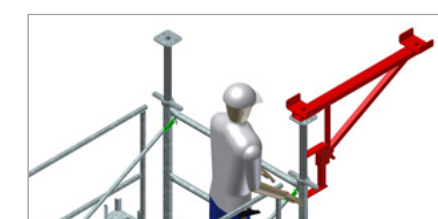


- ON INNER TUBE :
Service load
60 cm : 300 daN

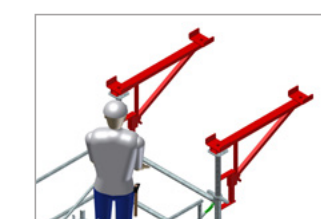
- ON BASE JACK :
Service load
60 cm : 500 daN



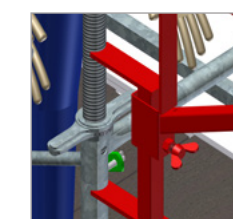
The STAFLEX tower must be equipped with standard forkhead (without forks).



The axis of the forkhead's tower bracket is positionned on the inner tube.



The tower bracket must be parallel.

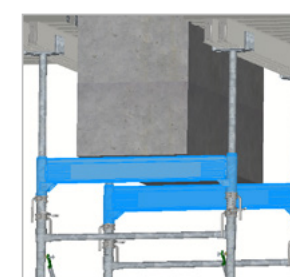


Adjust the system.

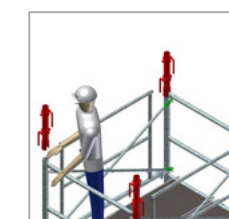
INSTRUCTIONS

- The use of tower bracket requires a study of the stability of the STAFLEX tower.

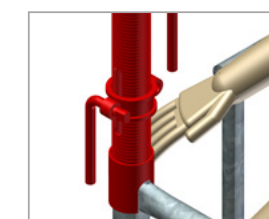
Header



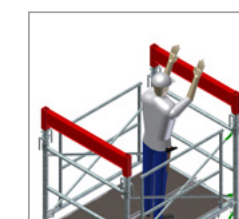
- For Inner tube 170 only
- Provide double adapter



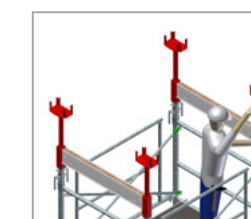
Position 2 double adapter per header.



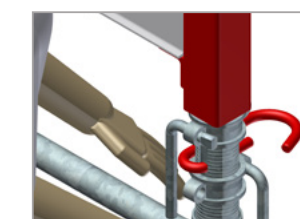
Make sure that the bar is in the notch of the adapter.



Position the header on the double adapter.



Position the inner tube 170 and the 2 way forkhead.



Adjust the heights of the header and the inner tube 170 by the nuts of the double adapter.

AMOVICLAV

L'AMOVICLAV is a system of protection at the head of the shoring tower for the locking of concrete beams (1 to 4 beams on the same pole). This system is compatible with the STAFLEX range. The guardrail consists of :

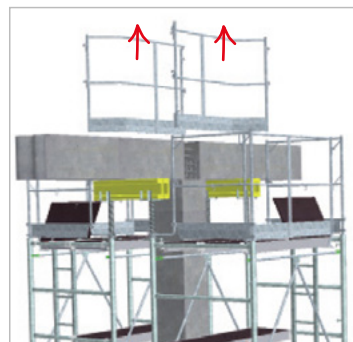
- 3 FIXED REVERSIBLE elements ;
- 1 REMOVABLE element ;
- Weight parts of less than 12 kg.



Supported beam



Removable guardrail



Keying beam

AMOVICLAV operation :



Forkhead STAFLEX



Rear guardrail



Lateral reversible guardrail



Hook door-plinths



Frontal guardrail



The guardrail pose is impossible if the platforms are placed before. The operator are obliged to work safety.



Conversely, it is impossible to dissaembly the guardrail as long as the platforms are in place.

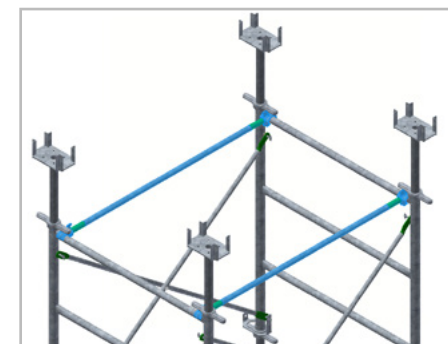


Anti-uplift of the frontal guardrails integrated to the lateral guardrails.

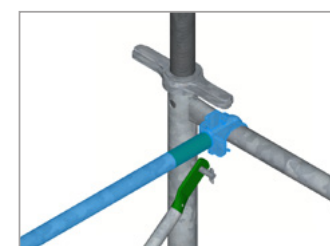


Locking key rail

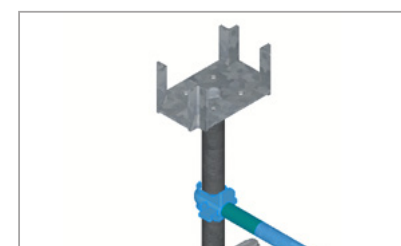
In the case of configurations with only 1 height of STAFLEX FRAMES, it will be necessary ont he vertical brace side, to set up à Locking key rail to create à guardrail.



- Steel
- Key to hit with hammer
- Color code for leng identification



The locking key rail is put on the bar (fixation withou hammer).



Other proposition : On the inner tube (fixation with hammer).

STORAGE

Top lift system

**Ref. 521-0100C - Frame basket 100GV upper lifting hook**

Characteristics :

- Galvanized steel
- Top lift system
- **Weight** : 49 kg
- **SWT per basket** : 2T
- **Storage capacity** : 25 frames 92.5 steel or aluminium

**Ref. 521-0150C - Frame basket 150GV**

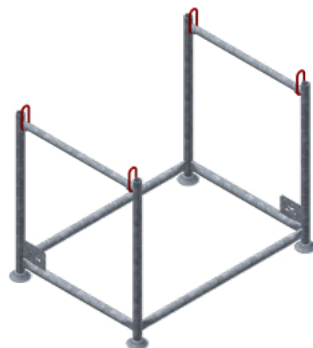
Characteristics :

- Galvanized steel
- Top lift system
- **Weight** : 87 kg
- **SWT per basket** : 2T
- **Storage capacity** : 25 frames 150 steel or aluminium

**Ref. 521-0301A - Guardrail multi 160 x 92 basket**

Characteristics :

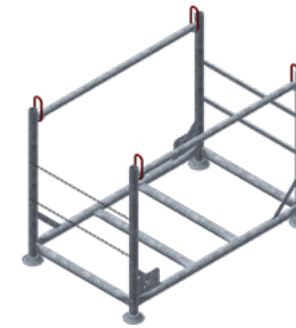
- Galvanized steel
- Top lift system
- **Weight** : 55 kg
- **SWT per basket** : 0.7T
- **Storage capacity** : 20 multidynamic frames

**Ref. 521-0315A - Guardrail multi 160 x 150 basket**

Characteristics :

- Galvanized steel
- Top lift system
- **Weight** : 63 kg
- **SWT per basket** : 0.7T
- **Storage capacity** : 20 multidynamic frames

Consult the
complete
documentation

**Ref. 521-0515B - Platforms basket**

Characteristics :

- Galvanized steel
- Top lift system
- **Weight** : 65 kg
- **SWT per basket** : 2T
- **Storage capacity** : 16 aluminium platform 160 x 50

**Ref. 521-0200C - 2 side wire basket**

Characteristics :

- Galvanized steel
- Top lift system
- **Weight** : 73 kg
- **SWT per basket** : 2T
- **Storage capacity** : 120 unlosable base jack staflex run or 80 jack forkhead

**Ref. 521-0400D - 4 side wire basket**

Characteristics :

- Galvanized steel
- Top lift system
- **Weight** : 95 kg
- **SWT per basket** : 2T
- **Storage capacity** : 250 fork or 500 base plate. Possible to store connectors..

**Ref. 521-0500 - Mini basket**

Characteristics :

- Galvanized steel
- Top lift system
- **Weight** : 36.5 kg
- **SWT per basket** : 0.4T
- **Storage capacity** : 150 basic plates or 150 safety base plates or 320 connectors or 1000 double connector pins or 2000 self-locking pins or 60 forks.



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HEAD OFFICE & EXPORT
Parc d'activités de la Verdrière II
13880 Velaux - FRANCE
+33 (0)4 42 10 84 15
ace.export@altrad.com



www.altrad-coffrage.com