



ALFIX MODUL MULTI

Catalogue

The proven wedge lock connection.
Positive and non-positive connections
for time-saving and bolt-free assembly.

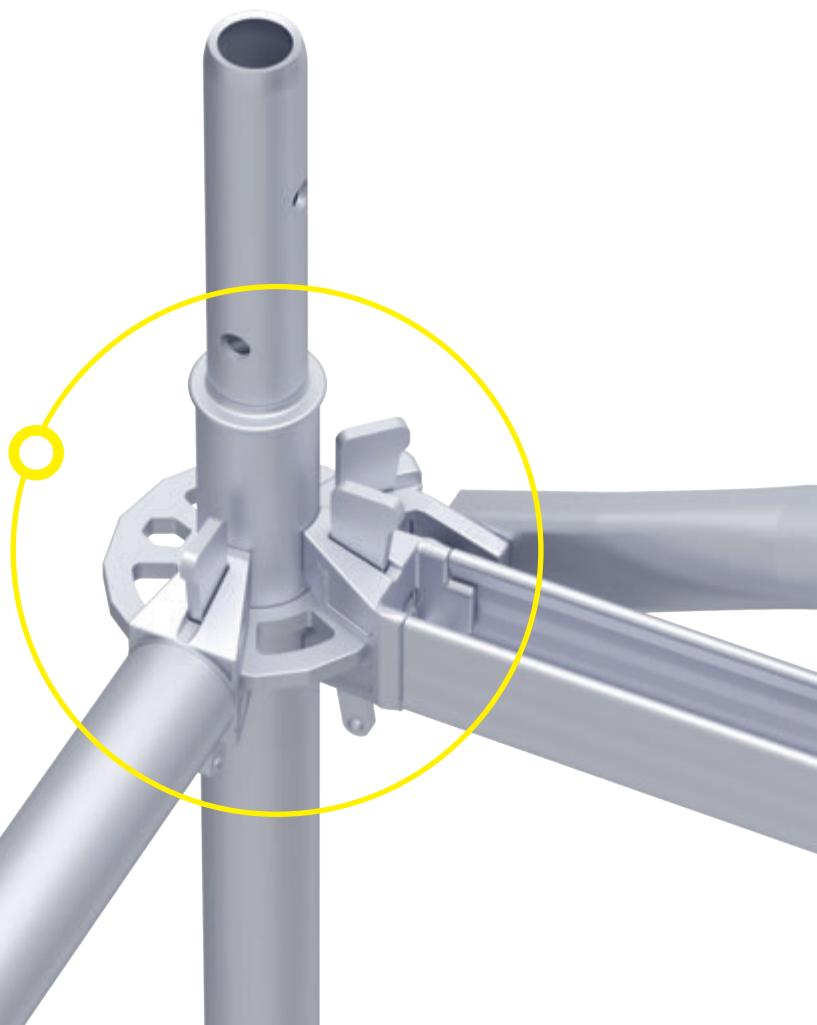


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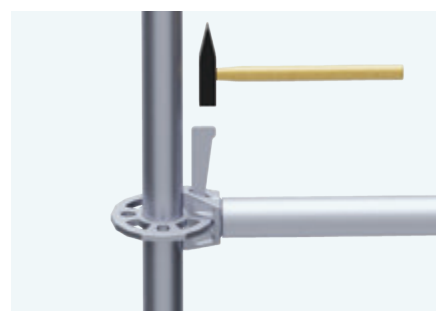
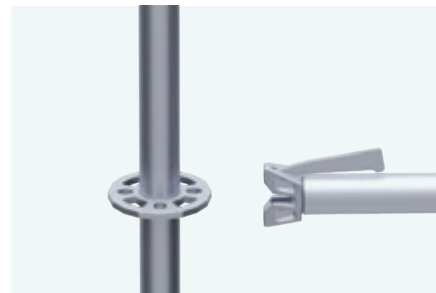
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Catalogue ALFIX MODUL MULTI

Edition: October 2023



Key element of the ALFIX MODUL MULTI system is the ALFIX modular connector: the rosette. Proven wedge lock connection for time-saving and bolt-free assembly thanks to positive and non-positive connections. Rosettes at every 50 cm with eight openings permit connections at any angle. This design offers a very high fitting performance.

Please refer to technical approval Z-8.22-906 for load-bearing capacity and rigidity of the node connection. In addition, the system was granted combination approval Z-8.22-913.

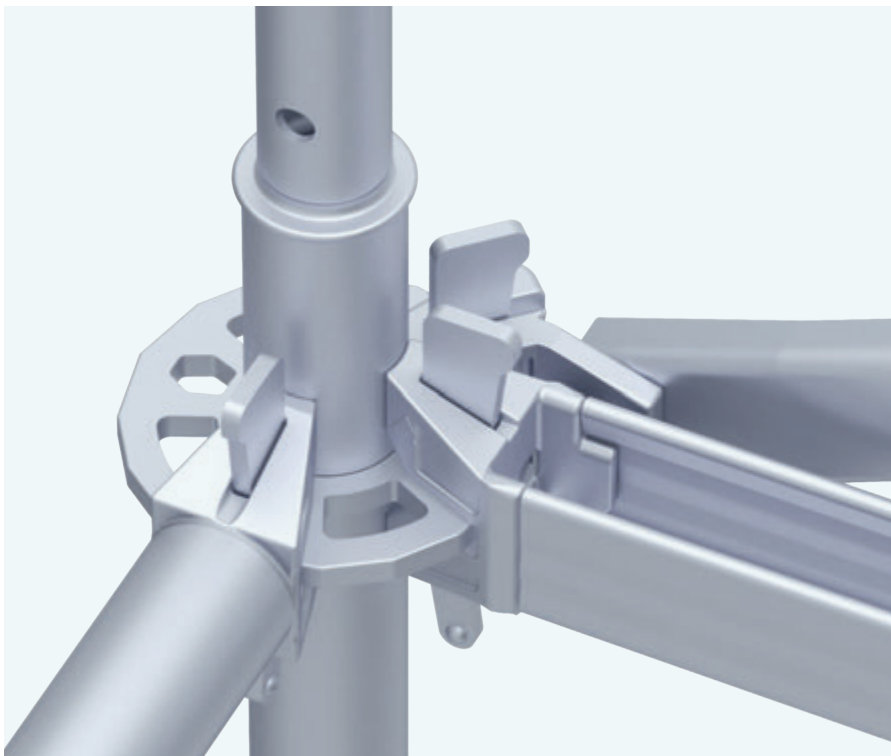
ALFIX MODUL MULTI

The "ALFIX MODUL MULTI" modular scaffolding system offers an impressive range of uses: for façade and industrial scaffolding and support structures.

The highest degree of intelligent technology and an easy-to-handle system allow users to quickly assemble economical and versatile scaffolding constructions.

It can flexibly be adapted to accommodate complicated layouts and different heights when scaffolding structures.

ALFIX modular systems are available in two versions (ALFIX MODUL MULTI with dimensions of 1.57 - 2.07 - 2.57 - 3.07 m and ALFIX MODUL METRIC with dimensions of 1.50 - 2.00 - 2.50 - 3.00 m).



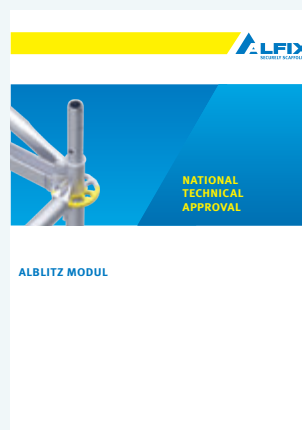
Rosette made of steel with four small openings for right-angled connections (ledgers) and four larger openings for connections at any angle (ledgers and diagonal braces). Please refer to page 42 for detailed information on load-bearing capacity of the rosette.

Technical approvals:

ALFIX MODUL MULTI (Z-8.22-906)



ALBLITZ MODUL (Z-8.22-913)



Please refer to approval Z-8.22-906 and the respective Instructions for Assembly and Use for façade scaffolding applications with bay width 0.73 m (load class 3) and 1.09 m (load class 4).

VERTICAL SUPPORT ELEMENTS

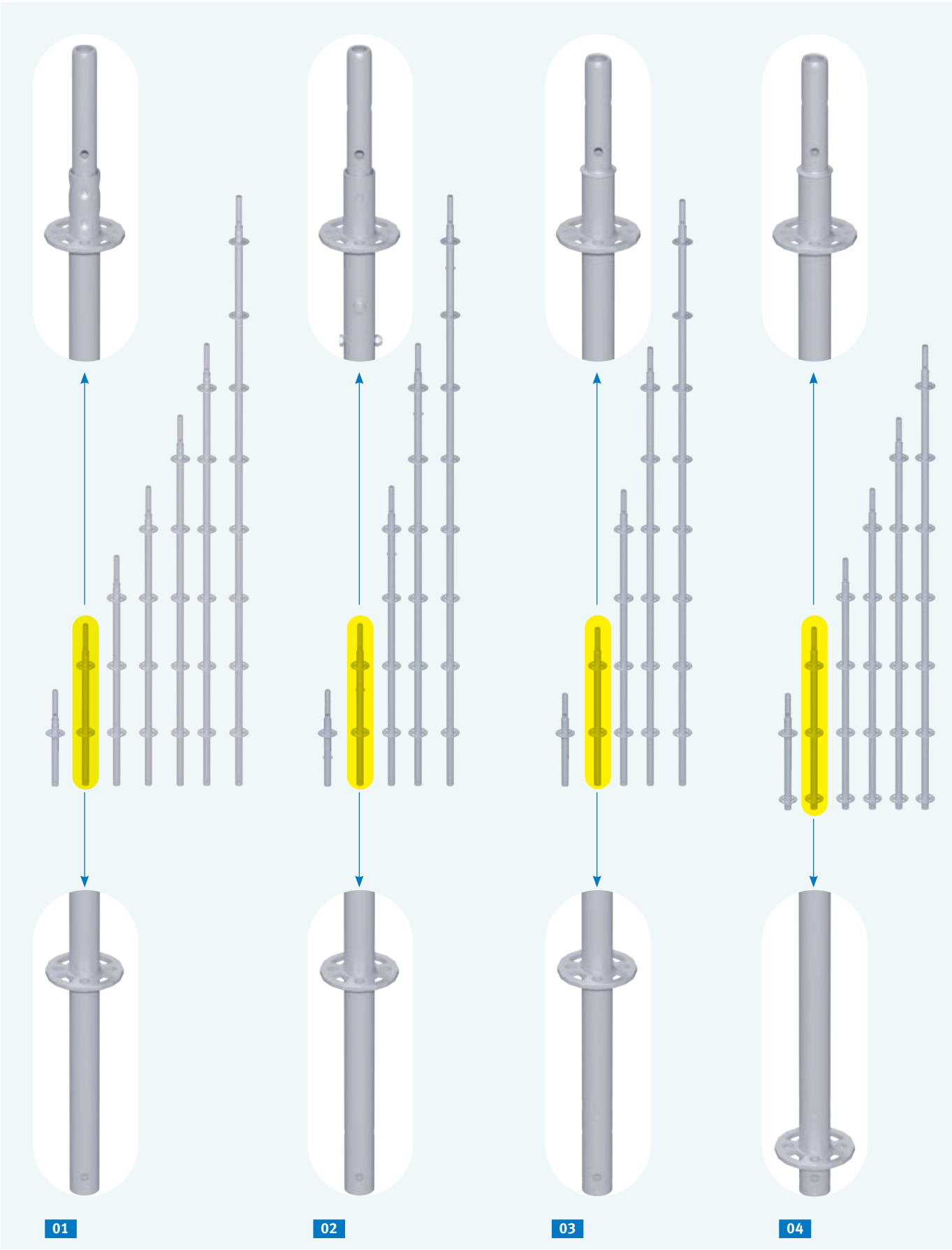
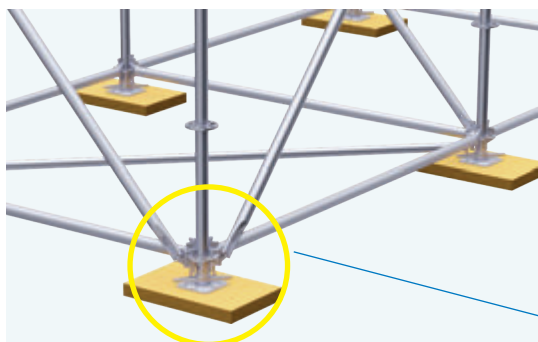


FIG.	DESCRIPTION	DIMENSIONS	WEIGHT	ARTICLE NO.
		L/H×W [m]	approx. [kg]	
01	Standard with pressed-in tube connector (TC)* steel tube $\varnothing 48.3 \times 3.2$ mm; hot-dip galvanised — with rosettes at every 50 cm — first rosette at 40 cm from the bottom of the standard	0.50	3.2	40 04 050
		1.00	5.5	40 04 100
		1.50	7.7	40 04 150
		2.00	10.1	40 04 200
		2.50	12.3	40 04 250
		3.00	14.6	40 04 300
		4.00	19.2	40 04 400
02	Standard with screwed-in tube connector (TC)* steel tube $\varnothing 48.3 \times 3.2$ mm; hot-dip galvanised — for suspended scaffolding — special screws included — with rosettes at every 50 cm — first rosette at 40 cm from the bottom of the standard	0.50	4.0	40 05 050
		1.00	6.2	40 05 100
		1.50	8.5	40 05 150
		2.00	10.8	40 05 200
		2.50	13.0	40 05 250
		3.00	15.3	40 05 300
		4.00	19.9	40 05 400
03	Standard with integrated tube connector (TC)* steel tube $\varnothing 48.3 \times 3.2$ mm; hot-dip galvanised — for suspended scaffolding — with rosettes at every 50 cm — first rosette at 40 cm from the bottom of the standard	0.50	2.9	40 09 050
		1.00	5.1	40 09 100
		1.50	7.4	40 09 150
		2.00	9.6	40 09 200
		2.50	11.9	40 09 250
		3.00	14.1	40 09 300
		4.00	18.6	40 09 400
04	Vertical starter standard with integrated tube connector (TC)* steel tube $\varnothing 48.3 \times 3.2$ mm; hot-dip galvanised — for suspended scaffolding — with rosettes at every 50 cm — first rosette at 7.0 cm from the bottom of the standard	0.66	4.0	40 08 066
		1.16	6.2	40 08 116
		1.66	8.5	40 08 166
		2.16	10.7	40 08 216
		2.66	13.0	40 08 266
		3.16	15.2	40 08 316

Standards without tube connector available upon request.

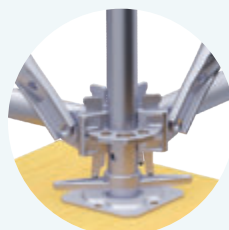
*please refer to page 43 for the load-bearing capacity of the standards



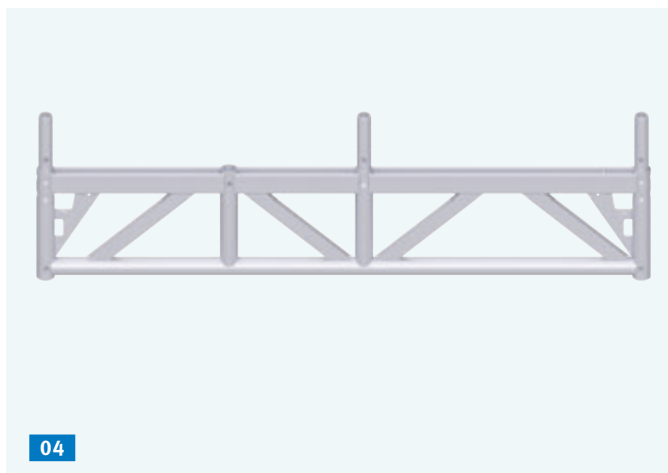
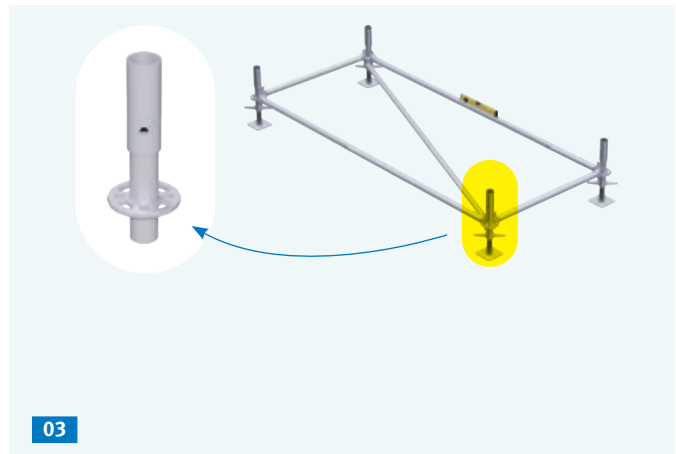
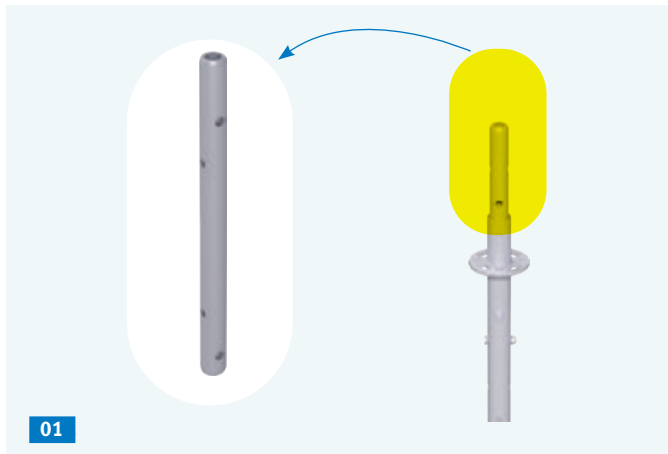
APPLICATION EXAMPLE

04 VERTICAL STANDARD STARTER

- for tube ledger suspension
- first rosette at 7.0 cm from the bottom of the standard



VERTICAL SUPPORT ELEMENTS



APPLICATION EXAMPLE

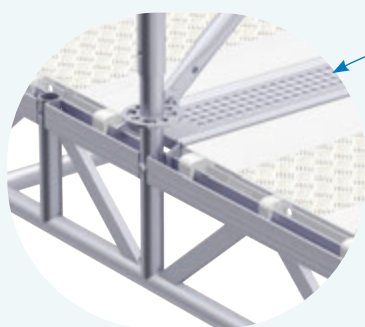
04 Passage frame truss



FIG.	DESCRIPTION	SPINDLE TRAVEL max.[m]	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	Tube connector steel tube; hot-dip galvanised; Spare part for standard	Spare part for standard with screwed on tube connector	0.52	1.7	83 40 050
		Spare part for standard 0.50 m with screwed on tube connector	0.50	1.6	83 40 051
02	Hexagon bolt M12 × 60 mm steel; galvanised; incl. hexagon nut M12, self-locking (not shown)			0.05	73 01 260
03	Base collar + steel; hot-dip galvanised — allows for easy horizontal fitting; standards can be assembled by one person only		0.41	1.8	40 00 041
04	Passage frame truss + steel ø 48.3 mm; hot-dip galvanised		1.57	23.2	83 10 059
05	Base jack steel; hot-dip galvanised — base plate 15 × 15 cm — with smooth running tube spindle ø 38 mm and toggle nut — with locking function to prevent unfastening	0.25	0.40	3.0	11 51 040
		0.45	0.60	3.6	11 51 060
		0.60	0.80	4.4	11 51 080
06	Base jack, swivelling steel; hot-dip galvanised	0.45	0.60	4.5	11 52 060

APPLICATION EXAMPLE

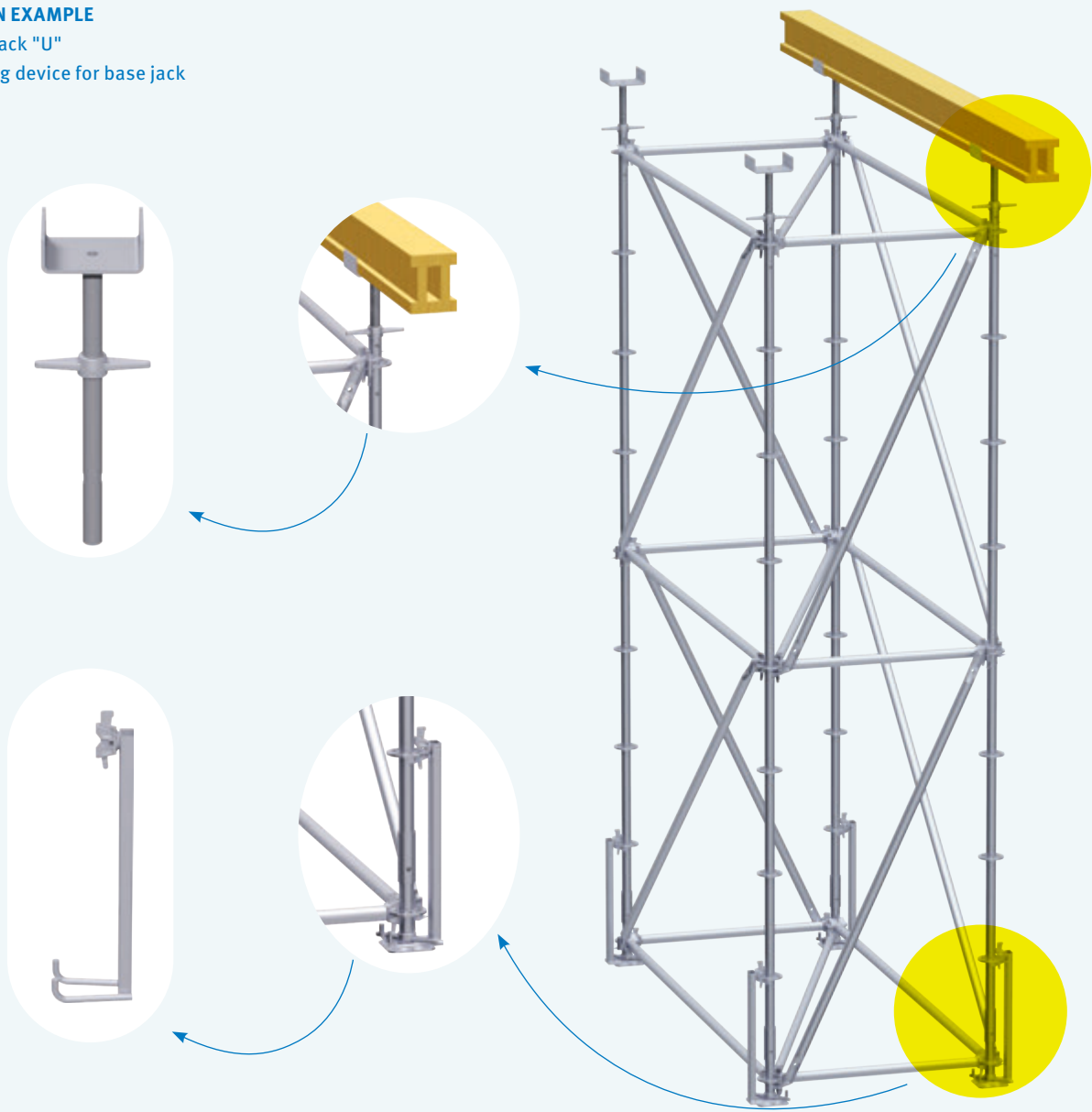
- 03 Base collar
04 Passage frame truss



VERTICAL SUPPORT ELEMENTS

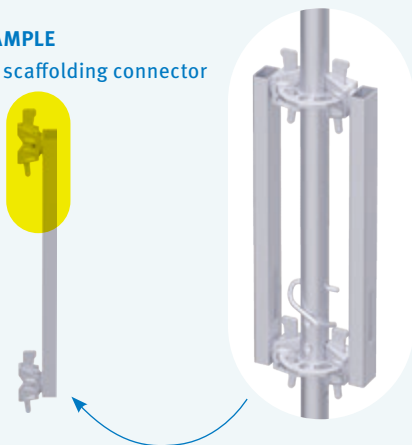
APPLICATION EXAMPLE

- 01** Head jack "U"
- 03** Locking device for base jack



APPLICATION EXAMPLE

- 02** Suspended scaffolding connector



04

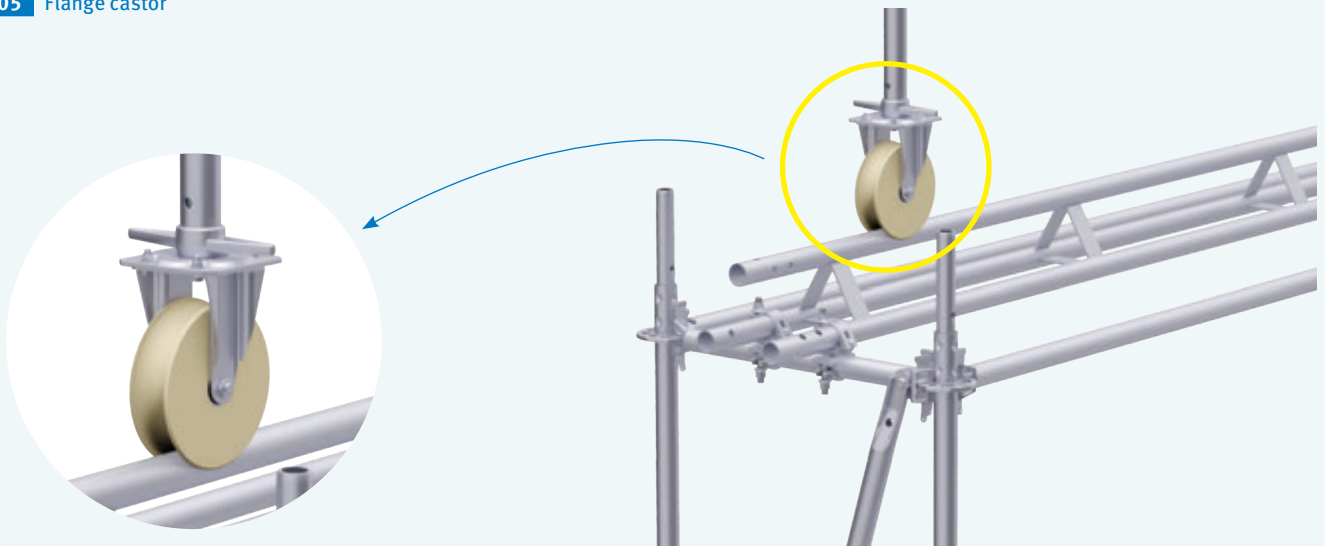


05

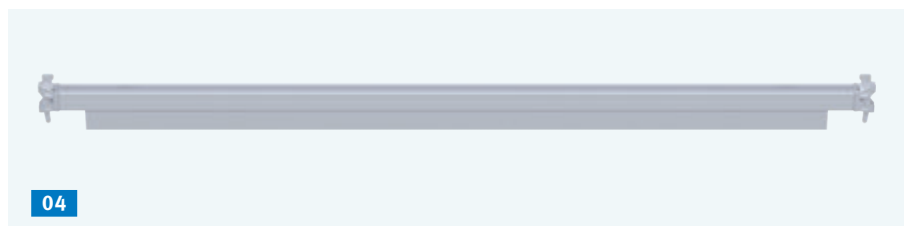
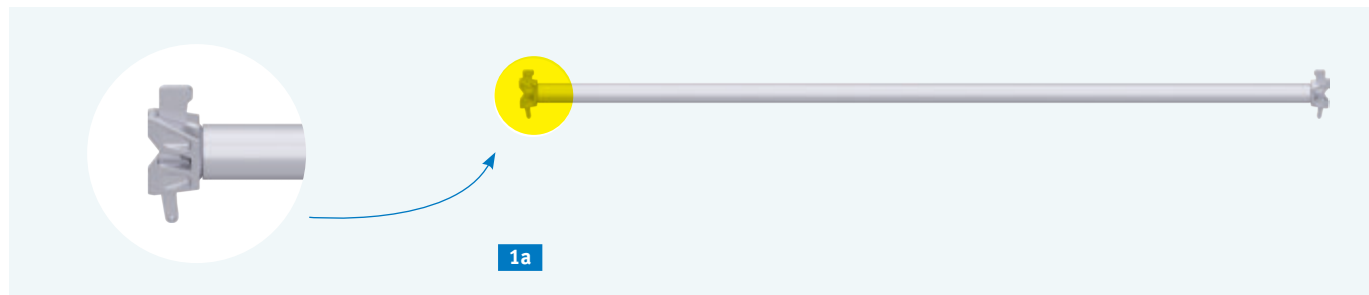
FIG.	DESCRIPTION	SPINDLE TRAVEL max.[m]	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	Head jack "U" + steel; hot-dip galvanised — opening dimension 174 mm, fork width 160 mm; depth 62 mm — with boreholes for fixing formwork girders	0.45	0.60	6.0	41 59 000
		0.75	1.00	8.0	41 59 100
02	Suspended scaffolding connector + steel; hot-dip galvanised — must always be fitted in pairs — for securing the connection of standards		0.60	3.0	48 75 060
			0.80	3.6	48 75 080
03	Locking device for base jack + steel; hot-dip galvanised — ensures tight fit of base jack during crane operations		0.65	3.5	41 52 003
04	Castor steel; galvanised; wheel type: plastic ø 200 mm — permissible load 10kN — wing nut with lock	0.35	0.50	6.5	14 12 007
05	Flange castor + steel; galvanised; wheel type: plastic ø 200 mm — permissible load 7 kN	0.45	0.70	6.7	14 12 005

APPLICATION EXAMPLE

05 Flange castor

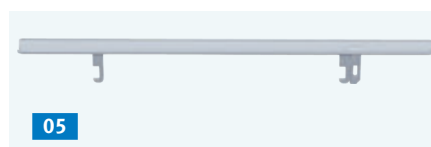
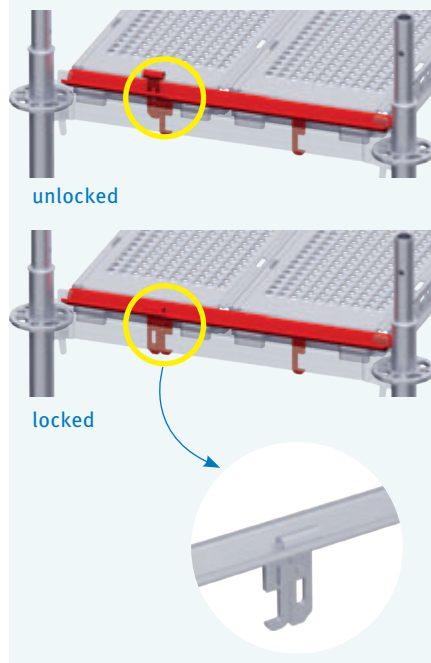


HORIZONTAL SUPPORT ELEMENTS / SIDE PROTECTION



APPLICATION EXAMPLE

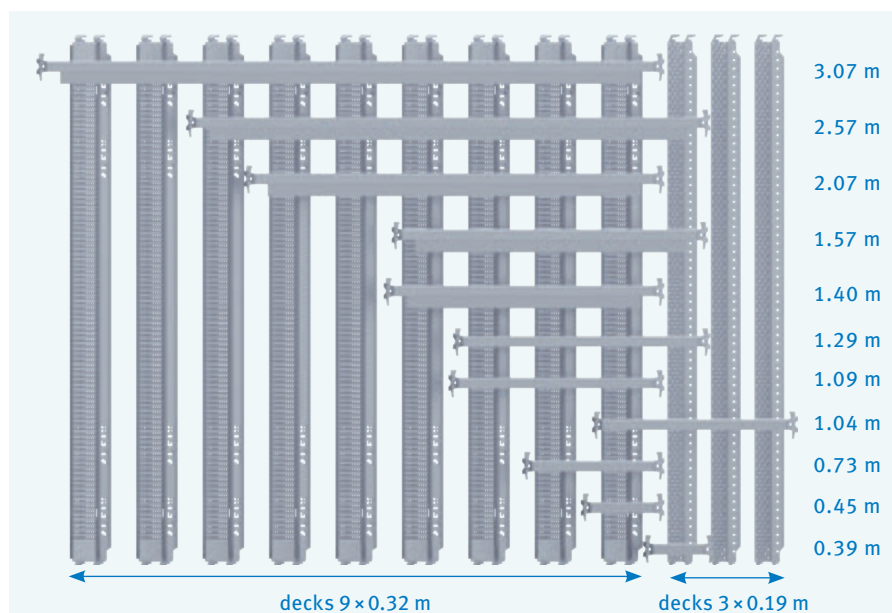
05 Lift-off preventer



NOTE for all ledger types:

WEDGE LOCK CONNECTION

positive and non-positive connections,
bolt-free assembly



APPLICATION EXAMPLE: U-LEDGER DECK CONFIGURATION

U-ledger 1.57 m: 4 × 0.32 m decks and 1 × 0.19 m deck

NOTE: Any 2 × 0.32 m decks can be replaced by 1 × 0.61 m deck.

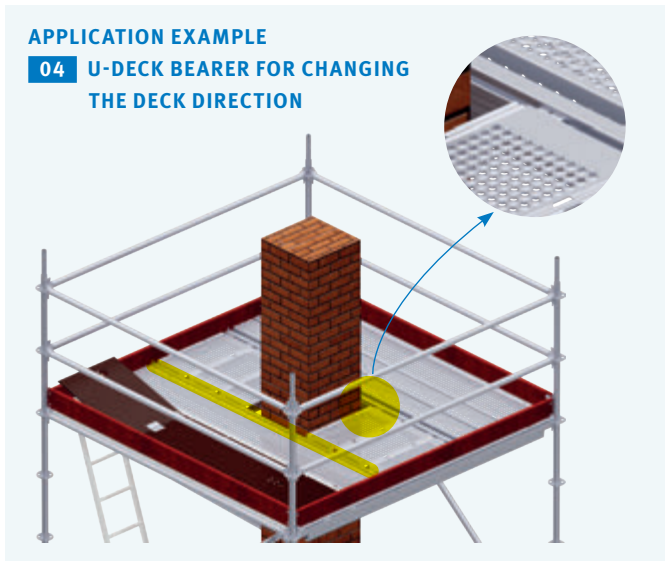
FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	
01	Tube ledger* steel tube ø 48.3 mm × 3.2 mm; hot-dip galvanised <ul style="list-style-type: none">— available in different lengths— reinforced ledgers are capable of bearing higher loads— for use as horizontal connecting element, side protection and - in reinforced design - as deck bearer— colour coding clearly indicates the bay length (see p. 18)	1a	Tube ledger	0.36	1.8	40 60 036
			0.39	2.0	40 60 039	
			0.45	2.3	40 60 045	
			0.73	3.2	40 60 073	
			1.04	4.2	40 60 104	
			1.09	4.5	40 60 109	
			1.29	5.0	40 60 129	
			1.40	5.6	40 60 140	
			1.57	6.3	40 60 157	
			2.07	8.1	40 60 207	
			2.57	9.9	40 60 257	
			3.07	11.8	40 60 307	
			4.14	16.5	40 60 414	
		1b	Tube ledger, reinforced	1.09	5.9	40 61 109
			1.29	7.1	40 61 129	
			1.40	8.0	40 61 140	
02	Double tube ledger* steel tube ø 48.3 mm × 3.2 mm; hot-dip galvanised <ul style="list-style-type: none">— for higher loads— receiving element for decks with tube suspension and integrated lift-off preventer (see p. 20 - 25)		1.57	9.8	40 61 157	
		2.07	12.7	40 61 207		
		2.57	16.4	40 61 257		
		3.07	19.5	40 61 307		
03	U-ledger* + steel; hot-dip galvanised <ul style="list-style-type: none">— receiving element for system decks to prevent unintentional lift-off		0.39	1.9	40 65 039	
		0.45	2.0	40 65 045		
		0.73	3.0	40 65 073		
		1.04	4.2	40 65 104		
		1.09	4.4	40 65 109		
		1.29	5.1	40 65 129		
04	U-ledger, reinforced* + steel; hot-dip galvanised		1.40	8.8	40 65 140	
		1.57	9.2	40 65 157		
		2.07	12.4	40 65 207		
		2.57	15.1	40 65 257		
		3.07	18.1	40 65 307		
05	Lift-off preventer + steel; hot-dip galvanised <ul style="list-style-type: none">— As lift-off preventer for system-related decks used on 03 U-ledgers or 04 reinforced U-ledgers.— optimized profile and more stability— new patent-pending locking system <p>In case the Modul Multi system scaffolding is used as a façade scaffolding and lift-off preventers are assembled, the use of tube ledgers is no longer required (please refer to the standard version given in the respective Technical Approval / Instructions for Assembly and Use).</p>		0.45	1,0	40 98 045	
		0.73	1,6	40 98 073		
		1.09	2,3	40 98 109		
		1.40	3,0	40 98 140		
		1.57	3,3	40 98 157		
		2.07	4,4	40 98 207		
		2.57	5,4	40 98 257		
		3.07	6,4	40 98 307		

* see page 43 for load-bearing capacities

HORIZONTAL SUPPORT ELEMENTS / SIDE PROTECTION

APPLICATION EXAMPLE

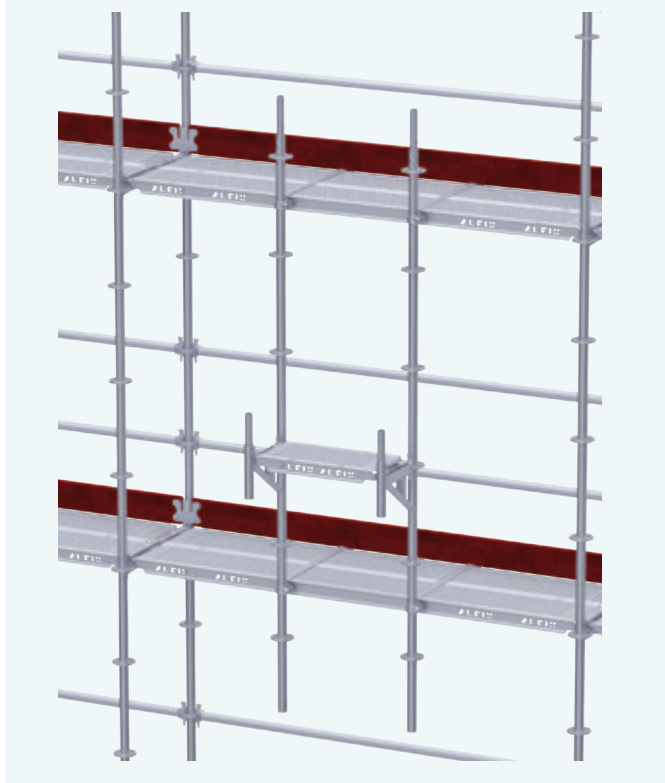
04 U-DECK BEARER FOR CHANGING THE DECK DIRECTION



APPLICATION EXAMPLE

05 RECESS BRACKET HOLDER

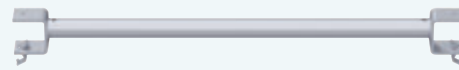
Two recess bracket holders are fitted to the decks of each level by means of a tensioning screw. Recess bracket holders can be used for each deck type. The holders must be arranged such that the niche is closed with a suitable deck and that any remaining gaps must not exceed 30 cm. The recess bracket holders features half-couplers which serve to vertically fit standards for two or more levels, which accommodate the brackets at the respective height.



1a



1b



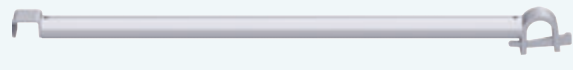
2a



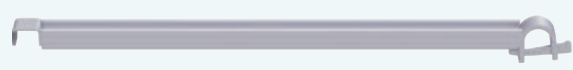
2b



3a



3b



4a



4b



05



APPLICATION EXAMPLE

3a System-independent deck on BOARD BEARER



06

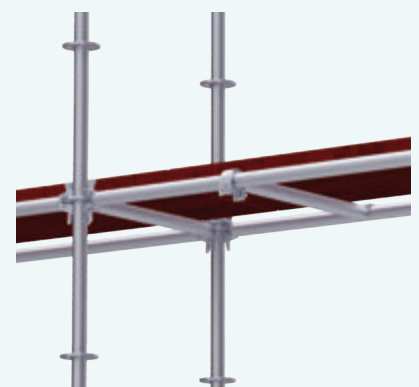
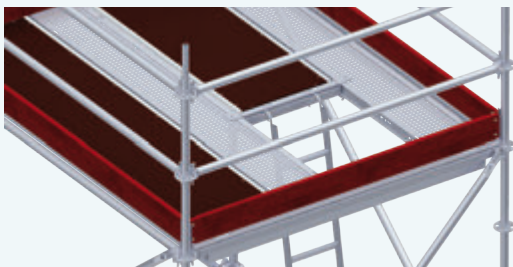


FIG.	DESCRIPTION		DIMENSIONS	WEIGHT	ARTICLE NO.
			L/H×W [m]	approx. [kg]	
01	Intermediate deck bearer steel; hot-dip galvanised — for decks with tube fixture	1a ledger to deck version one side with tube ledger suspension / one side with steel deck suspension	0.32	2.8	40 53 032
			0.64	3.9	40 53 064
			0.96	5.1	40 53 096
		1b deck to deck version both sides with steel deck suspension	0.32	3.1	40 51 032
			0.64	4.2	40 51 064
			0.96	5.4	40 51 096
02	Intermediate deck bearer U steel; hot-dip galvanised — for system-compatible decks	2a ledger to deck version one side with tube ledger suspension / one side with steel deck suspension	0.32	2.7	40 54 032
			0.64	4.0	40 54 064
			0.96	5.0	40 54 096
		2b deck to deck version + both sides with steel deck suspension	0.32	3.0	40 52 032
			0.64	4.1	40 52 065
			0.96	5.2	40 52 097
03	Board bearer + steel; hot-dip galvanised — both sides with tube ledger suspension — preferably for use with system-independent decks or to create openings in the work level when decks with tube fixtures are used — also suitable as side protection — permissible distributed line load must be observed	3a Tube fixture version for planks with tube fixture	0.73	3.4	40 50 073
			1.09	4.7	40 50 109
			1.57	7.8	40 50 157
			2.07	9.9	40 50 207
			2.57	12.1	40 50 257
			3.07	14.6	40 50 307
		3b U-profile version for system-compatible decks	0.73	3.0	40 55 073
			1.09	4.1	40 55 109
04	U-deck bearer for changing the deck direction + — for installing system decks at right-angled connections within one and the same scaffold bay	4a U-deck bearer for changing the deck direction	0.73	3.1	40 63 073
			1.09	4.3	40 63 109
		4b U-deck bearer for changing the deck direction, reinforced	1.40	8.7	40 63 140
			1.57	9.8	40 63 157
			2.07	13.0	40 63 207
			2.57	16.2	40 63 257
			3.07	19.4	40 63 307
05	Recess bracket holder + with integrated halfcoupler — for all scaffolding systems up to width class W06 and W09		0.70	2.3	14 51 060
			1.00	2.9	14 51 100
06	Recess bracket starting piece		0.35	1.7	14 40 000

APPLICATION EXAMPLE

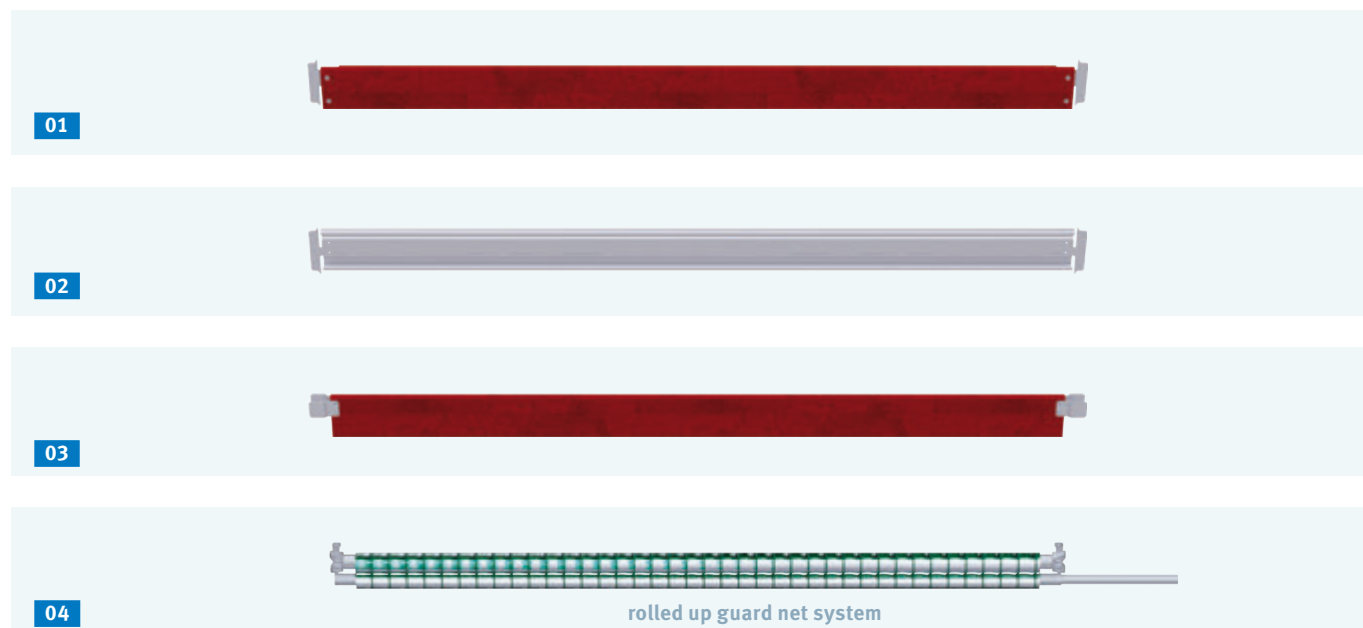
2b INTERMEDIATE DECK BEARER U
(deck to deck version) for steel decks

APPLICATION EXAMPLE **3a** BOARD BEARER

allow the use of shorter decks within a long bay to create an
access hatch

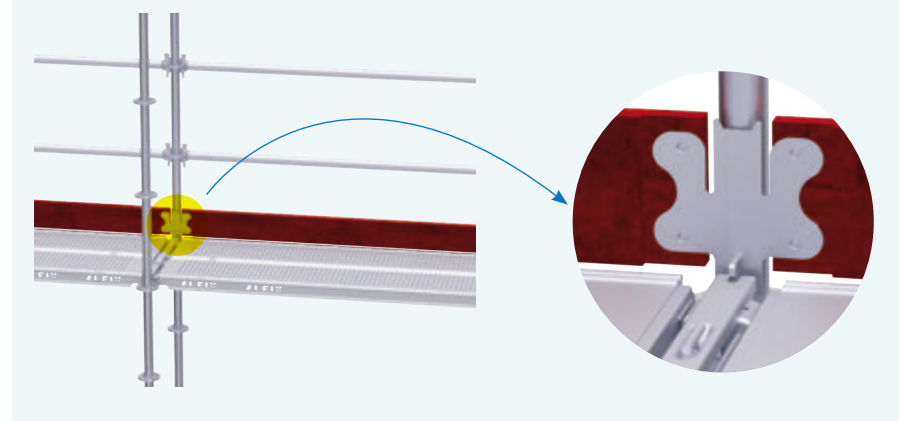


HORIZONTAL SUPPORT ELEMENTS / SIDE PROTECTION



APPLICATION EXAMPLE

01 TOEBOARD on system-compatible decks



APPLICATION EXAMPLE

FAÇADE SCAFFOLDING ALFIX MODUL MULTI

01 TOEBOARD, wood

04 GUARD NET SYSTEM

05 DOUBLE END GUARDRAIL

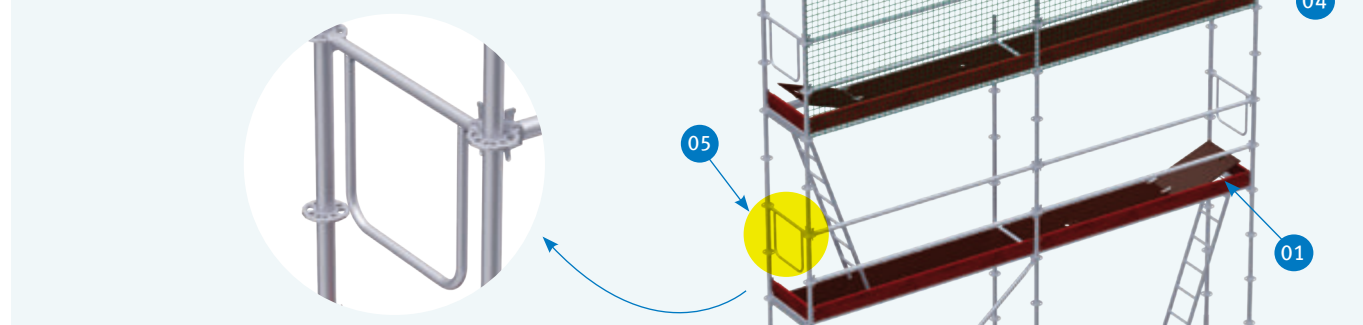



FIG.	DESCRIPTION	DIMENSIONS	WEIGHT	ARTICLE NO.
		L/H×W [m]	approx. [kg]	
01	Toeboard, wood  with claws; standard height 15 cm — weather-resistant — for use with system decks (U-ledger) and decks with tube fixture — fixture of toeboards between standard and wedge head	0.73	1.6	40 95 073
		1.09	2.3	40 95 109
		1.29	2.7	40 95 129
		1.40	3.0	40 95 140
		1.57	3.3	40 95 157
		2.07	4.2	40 95 207
		2.57	5.3	40 95 257
		3.07	6.3	40 95 307
		4.14	8.1	40 95 414
02	Toeboard, steel standard height 15 cm — for use with system decks (U-ledger) and decks with tube fixture — fixture of toeboards between standard and wedge head — for use in areas with special requirements, e.g. for industrial scaffoldings (fire protection)	0.73	1.6	40 96 073
		1.09	2.3	40 96 109
		1.29	2.7	40 96 129
		1.40	2.9	40 96 140
		1.57	3.3	40 96 157
		2.07	4.3	40 96 207
		2.57	5.3	40 96 257
		3.07	6.3	40 96 307
03	Transverse toeboard with tube fixture, wood with claws; standard height 15 cm — weather-resistant — for use with decks with tube fixture — fixture of toeboards between standard and wedge head	0.73	1.8	40 97 073
		1.04	2.4	40 97 104
		1.09	2.5	40 97 109
		1.29	2.9	40 97 129
		1.40	3.1	40 97 140
		1.57	3.5	40 97 157
		2.07	4.5	40 97 207
		2.57	5.5	40 97 257
04	Guard net system* height 2.00 m; green; mesh size 100 mm — with tube ledger (at the top), aluminium tube 40 mm (at the bottom), tube connector for assembly in compliance with design parameters (bay by bay), two fixing cords (left and right)	2.07	13.0	40 76 207
		2.57	14.0	40 76 257
		3.07	15.0	40 76 307
05	Double end guardrail steel tube ø 33.7 mm; hot-dip galvanised — for use as end side protection for Modul façade scaffolding	0.73	3.5	40 62 073
		1.09	4.2	40 62 109

*for system-independent nets please refer to the "ALFIX System-Independent Accessories" Catalogue

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<https://www.youtube.com/user/alfixsystems>



HORIZONTAL SUPPORT ELEMENTS / SIDE PROTECTION



1b



02



03



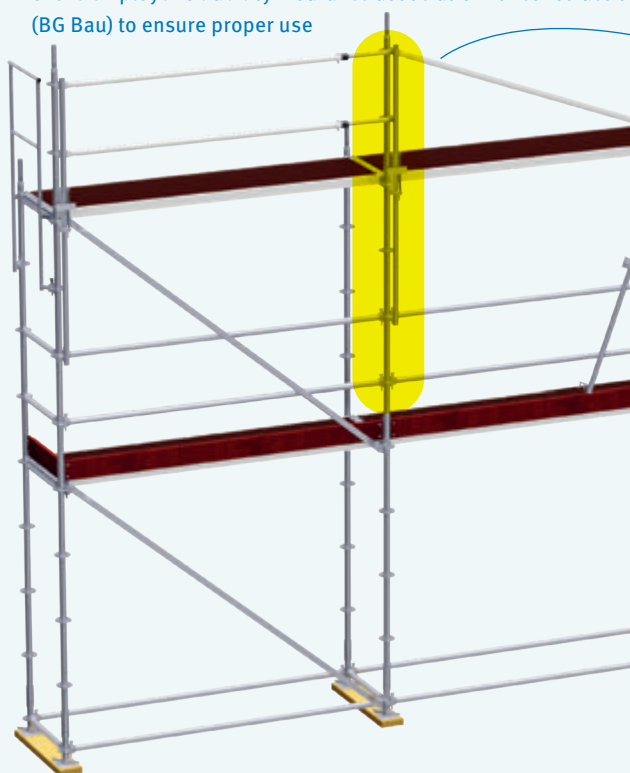
04

APPLICATION EXAMPLE

04 ADVANCED GUARDRAIL POST

05 ADVANCED TELESCOPIC GUARDRAIL

- for a high level of safety during assembly / dismantling
- for all compatible scaffolding systems
- Please follow the Instructions for Assembly and Use and the provisions of the employer's liability insurance association for construction sites (BG Bau) to ensure proper use



05

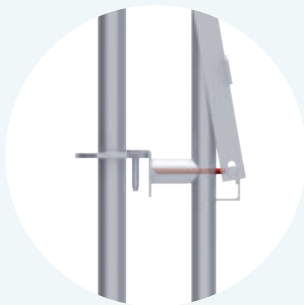


FIG.	DESCRIPTION	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	Safety helmet with chin strap	1a white	0.4	37 50 018
		1b yellow	0.4	37 50 024
02	Ratchet spanner holster — with Pivot Link™ attachment point for secure attachment to the safety harness			37 50 017
03	Personal fall protection equipment kit (PPE) EN 354 / 355 / 361 / 363 ; sharp-edge tested — Revolution R2 Scaff harness 2.50 m, safety rope Manyard Edge — with Pivot Link™ attachment point at waist level to securely attach accessories, e.g. 02 ratchet spanner holster			37 67 009
04	Advanced guardrail post + steel; hot-dip galvanised		6.8	40 78 000
05	Advanced telescopic guardrail aluminium and steel; hot-dip galvanised — incl. linchpin with snap-on lock for transport security	2.50 – 3.07	7.9	14 43 200

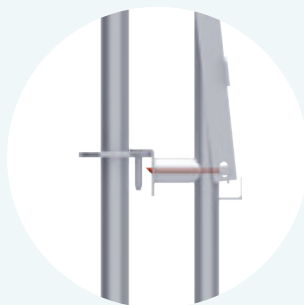
APPLICATION EXAMPLE

04 ADVANCED GUARDRAIL POST

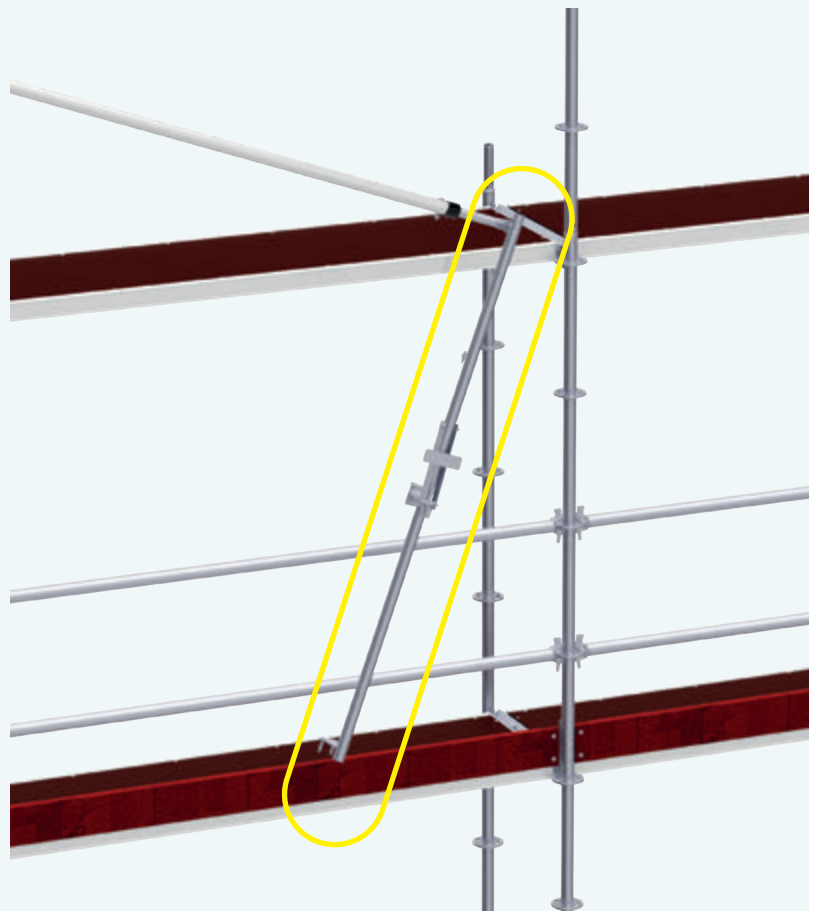
- self-locking function
- with convenient foot release mechanism



unlocked



locked



DIAGONAL BRACING

Vertical diagonal braces



Different bay lengths

Colour code indication of bay length:

0.73 m	1.09 m	1.29 m	1.40 m
1.57 m	2.07 m	2.57 m	3.07 m

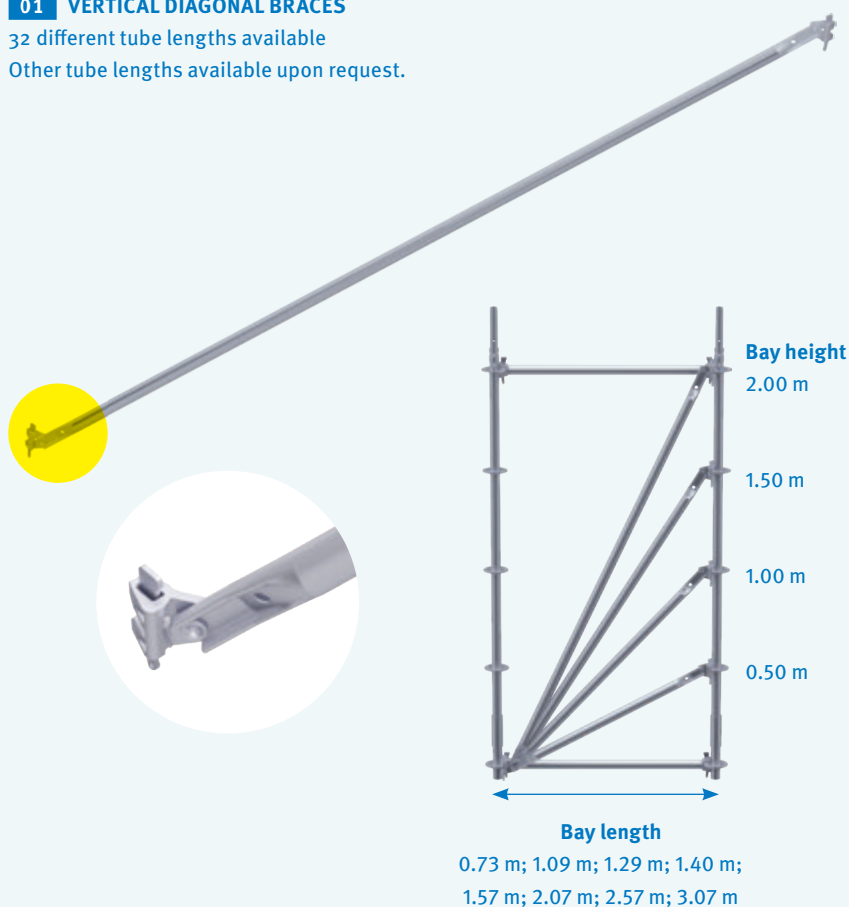
Bay height is indicated by the number of stripes (up to 4) on the component sticker:

2.00 m	
1.50 m	
1.00 m	
0.50 m	

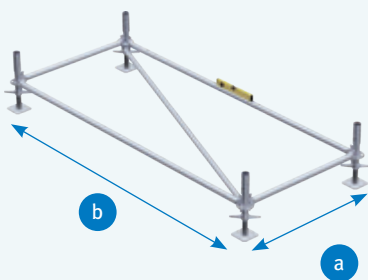
01 VERTICAL DIAGONAL BRACES

32 different tube lengths available

Other tube lengths available upon request.



Horizontal diagonal braces



serves to brace horizontal levels in scaffolding / birdcage scaffolding

a 0.73 – 3.07 m

b 0.73 – 3.07 m



Stickers on tube ledgers for quick and easy indication of bay length and on diagonal braces for specifying bay length and installation height.

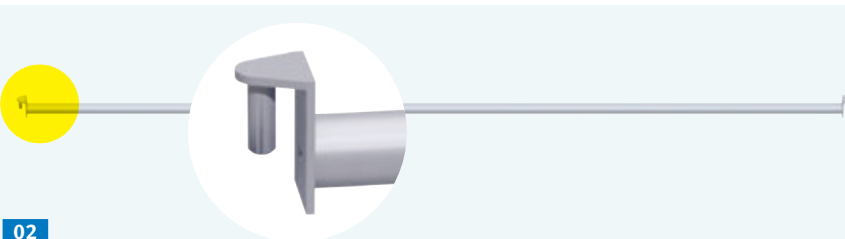
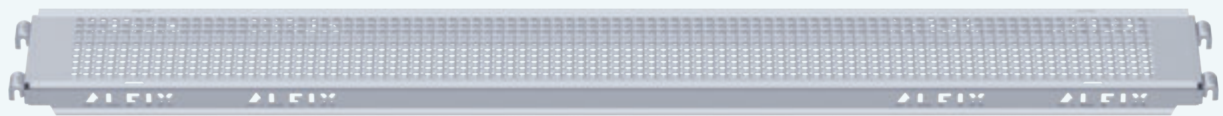


FIG.	DESCRIPTION		DIMENSIONS	WEIGHT	ARTICLE NO.
			L/H×W [m]	approx. [kg]	
01	Vertical diagonal brace* steel tube 48.3 × 2.7 mm; hot-dip galvanised — wedge lock connection ensures positive and non-positive connection — bolt-free assembly — serves to brace the basic scaffold	for bay height 2.00 m	0.73	7.5	40 21 200
			1.09	7.8	40 22 200
			1.40	8.3	40 23 200
			1.57	8.8	40 24 200
			2.07	9.7	40 25 200
			2.57	10.9	40 26 200
			3.07	12.2	40 27 200
		for bay height 1.50 m	1.57	7.7	40 24 150
			2.07	8.8	40 25 150
			2.57	10.0	40 26 150
			3.07	11.0	40 27 150
		for bay height 1.00 m	1.57	6.5	40 24 100
			2.07	7.8	40 25 100
			2.57	9.0	40 26 100
			3.07	10.3	40 27 100
		for bay height 0.50 m	1.57	6.0	40 24 050
			2.07	7.4	40 25 050
			2.57	8.8	40 26 050
			3.07	10.0	40 27 050
		Custom dimensions available			
02	Horizontal diagonal brace + steel tube ø 42.4 × 2 mm; hot-dip galvanised — Available for any possible combination of [bay length] x [bay width]! — pin suspension (bolt-free) — serves to brace horizontal levels in scaffolding without decks	for bay length 2.07 m	0.73	4.8	40 45 073
			1.09	5.0	40 45 109
		for bay length 2.57 m	0.73	6.0	40 46 073
			1.09	6.3	40 46 109
		for bay length 3.07 m	0.73	6.6	40 47 073
			1.09	7.8	40 47 109
03	Horizontal diagonal ledger steel tube 48.3 × 3.2 mm; hot-dip galvanised — available in different tube lengths — wedge lock connection ensures positive and non-positive connection — bolt-free assembly — serves to brace horizontal levels in birdcage scaffolding		1.57 × 1.57	8.5	40 44 158
			2.07 × 2.07	10.8	40 45 208
			2.57 × 2.57	13.3	40 46 258
			3.07 × 3.07	15.5	40 47 308

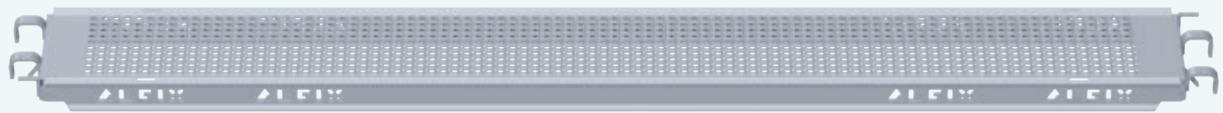
* see page 43 for permissible loads

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SCAFFOLDING DECKS / ACCESS DECKS



01



02



03



04



05



06



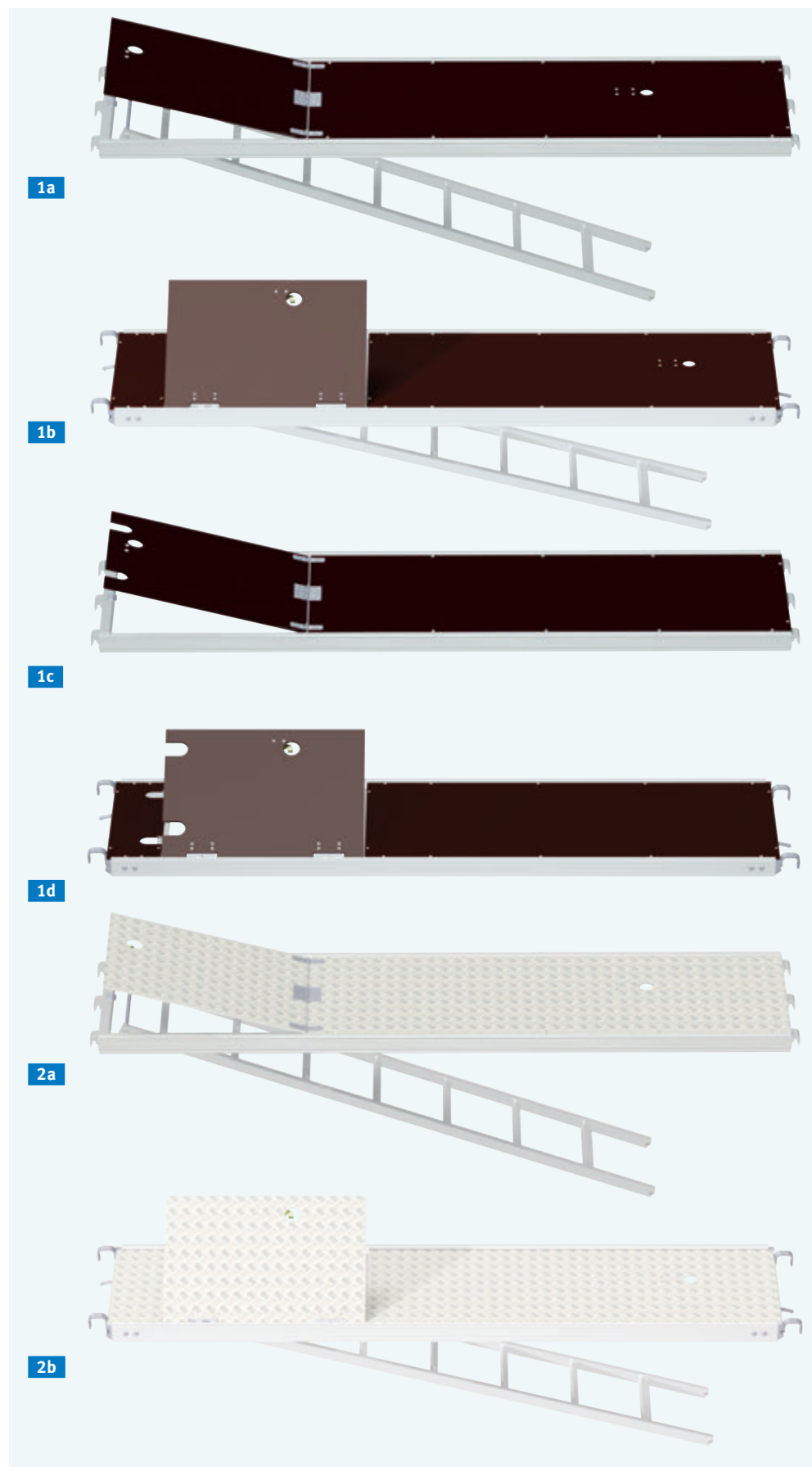
07

FIG.	DESCRIPTION	LOAD CLASS*	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	Steel deck; 0.32 m wide hot-dip galvanised; perforated — high load capacity; non-slip surface	6	0.73 × 0.32	5.6	12 21 073
		6	1.09 × 0.32	8.1	12 21 109
		6	1.40 × 0.32	10.0	12 21 140
		6	1.57 × 0.32	11.4	12 21 157
		6	2.07 × 0.32	13.7	12 21 207
		5	2.57 × 0.32	17.1	12 21 257
		4	3.07 × 0.32	20.5	12 21 307
		3	4.14 × 0.32	32.1	12 21 414
02	Steel deck with tube fixture; 0.32 m wide hot-dip galvanised; perforated — with integrated lift-off preventer — with tube suspension	6	0.73 × 0.32	6.1	40 20 073
		6	1.09 × 0.32	8.6	40 20 109
		6	1.40 × 0.32	10.5	40 20 140
		6	1.57 × 0.32	11.9	40 20 157
		6	2.07 × 0.32	14.2	40 20 207
		5	2.57 × 0.32	17.6	40 20 257
		4	3.07 × 0.32	20.9	40 20 307
03	Wooden deck; 0.32 m wide  — impregnated — triple-layer bonded wood — construction height: 48 mm — secured by a system-compatible steel head piece at both ends	6	0.73 × 0.32	6.0	12 31 073
		6	1.09 × 0.32	8.6	12 31 109
		6	1.57 × 0.32	11.0	12 31 157
		5	2.07 × 0.32	14.5	12 31 207
		4	2.57 × 0.32	18.6	12 31 257
		3	3.07 × 0.32	23.0	12 31 307
04	ALBLITZ frame platform; 0.60 m wide aluminium; film-coated plywood decking — extremely lightweight — with replaceable wood section insert / metal fixtures	3	1.57 × 0.60	11.3	12 90 157
		3	2.07 × 0.60	14.5	12 90 207
		3	2.57 × 0.60	17.5	12 90 257
		3	3.07 × 0.60	20.7	12 90 307
05	Frame platform with tube fixture; 0.60 m / 0.32 m wide aluminium; film-coated plywood decking — extremely lightweight — standard width: 60 cm — with replaceable wood section insert / metal fixtures — with tube suspension	3	1.57 × 0.60	13.3	41 60 157
		3	2.07 × 0.60	16.3	41 60 207
		3	2.57 × 0.60	19.4	41 60 257
		3	3.07 × 0.60	22.5	41 60 307
		3	4.14 × 0.32	20.7	41 61 414
06	Solid aluminium deck; 0.32 m wide — completely made of aluminium; profile height: 48 mm — hollow chamber profiles with anti-slip longitudinal grooves — stacking bulge, easily stackable — stacking bulge faces downwards which prevents water or ice deposits	6	1.09 × 0.32	4.7	12 11 109
		6	1.57 × 0.32	6.5	12 11 157
		6	2.07 × 0.32	8.4	12 11 207
		5	2.57 × 0.32	10.3	12 11 257
		4	3.07 × 0.32	12.2	12 11 307
		3	4.14 × 0.32	16.3	12 11 414
07	ALBLITZ lightweight deck; 0.60 m wide — profile height approx. 50 mm — combination of hollow chamber profiles and aluminium treadplate — non-slip surface; easily stackable; extremely lightweight — with borehole ø 16 mm (at the end side) to attach hooks for vertical transport	4	1.57 × 0.60	11.5	12 13 157
		4	2.07 × 0.60	16.7	12 13 207
		4	2.57 × 0.60	18.0	12 13 257
		3	3.07 × 0.60	21.5	12 13 307

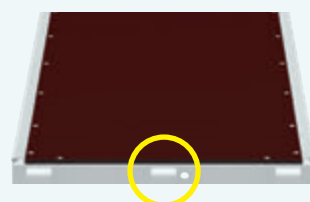
* see pages 42 - 45 for assignment of decking to load classes

 **Delivery time on request**

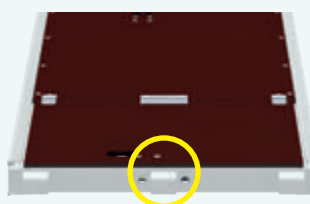
SCAFFOLDING DECKS / ACCESS DECKS

**ACCESS DECKS AND PLATFORMS**

Platforms without hatch access have 1 borehole at the front end, access decks have 2 boreholes (Ø 16 mm). This helps easily distinguish between the different platform types when they are stacked. The borehole can also be used to attach hooks for vertical transport.



Platform



Access deck

NOTE

We recommend the use of stairway ascents in particular when the height of the access exceeds 10 m or material is to be transported via this access!

TIP

Access deck without ladder: with fitting for storey ladders (see pages 36/37), particularly suitable for ladder access ≤ 2.07 m.

FIG.	DESCRIPTION	LOAD CLASS*	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	Access deck; 0.60 m aluminium; film-coated plywood decking — with replaceable wood section insert / metal fixtures — convenient and fail-safe ladder and hatch latching				
1a	Version with ladder — with system fixture	3	2.57 × 0.60	22.0	12 91 257
		3	3.07 × 0.60	25.2	12 91 307
1b	Version with tube fixture and integrated ladder — with tube fixture and lift-off preventer — hatch offset, with tread	3	2.57 × 0.60	28.5	41 63 257
		3	3.07 × 0.60	31.5	41 63 307
1c	Version without ladder — with system fixture — with fitting for storey ladders (see pages 36/37)	3	2.07 × 0.60	14.5	12 92 207
		3	2.57 × 0.60	17.8	12 92 257
		3	3.07 × 0.60	21.0	12 92 307
1d	Version with tube fixture, without ladder — with tube fixture and lift-off preventer — hatch offset, with tread — with fitting for storey ladders (see pages 36/37)	3	1.57 × 0.60	16.2	41 63 158
		3	2.07 × 0.60	19.0	41 63 208
		3	2.57 × 0.60	25.0	41 63 258
		3	3.07 × 0.60	28.0	41 63 308
02	Access deck; 0.60 m aluminium; chequer plate decking — extremely durable and weather-resistant — completely made of aluminium, for use in areas with special requirements, e.g. for industrial scaffoldings (fire protection)				
2a	Version with ladder — with system fixture	3	2.57 × 0,60	26.0	12 94 257
		3	3.07 × 0,60	30.0	12 94 307
2b	Version with tube fixture and integrated ladder — hatch offset, with tread — with tube fixture and lift-off preventer	3	2.57 × 0,60	29.0	41 67 257
		3	3.07 × 0,60	32.0	41 67 307
2c	Version without ladder — with fitting for storey ladders (see pages 36/37) (not shown)	3	2.07 × 0.60	18.0	12 95 207
		3	2.57 × 0.60	22.0	12 95 257
		3	3.07 × 0.60	26.0	12 95 307

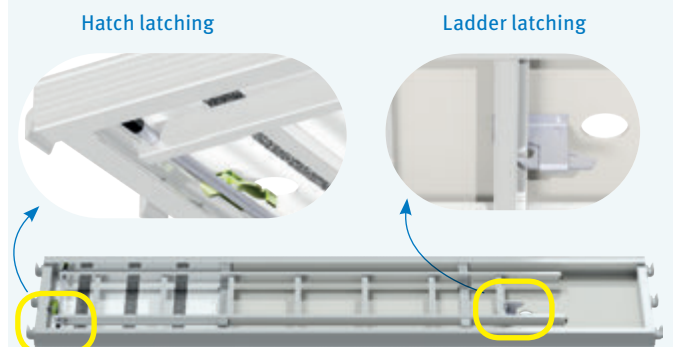
* see pages 42 - 45 for assignment of decking to load classes



APPLICATION EXAMPLE ALBLITZ ACCESS DECK (CHEQUER PLATE DECKING)

As a rule access decks are arranged in an alternating way.
System-decks provide for the working area on the lowest level which also serves to accommodate the first storey level.

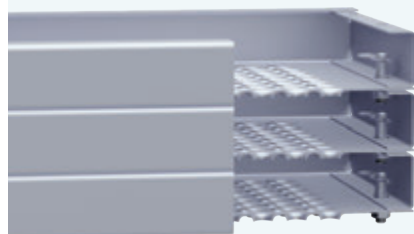
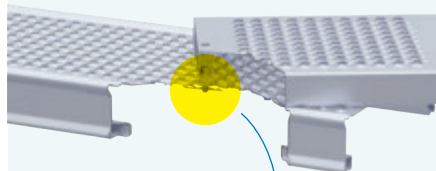
DETAIL: ALBLITZ ACCESS DECK (CHEQUER PLATE DECKING)



SCAFFOLDING DECKS / ACCESS DECKS

APPLICATION EXAMPLE

03 STEEL PLANK with locking pin and spring clip

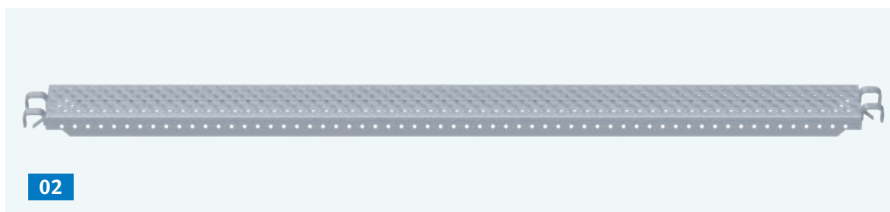


easily stackable

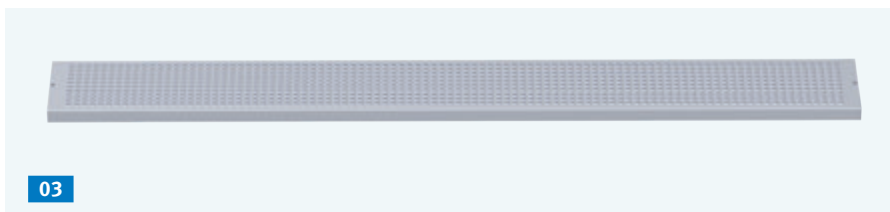
01



02



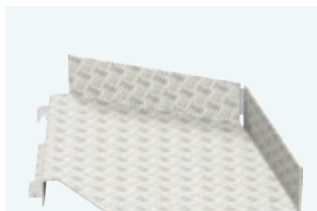
03



04



05

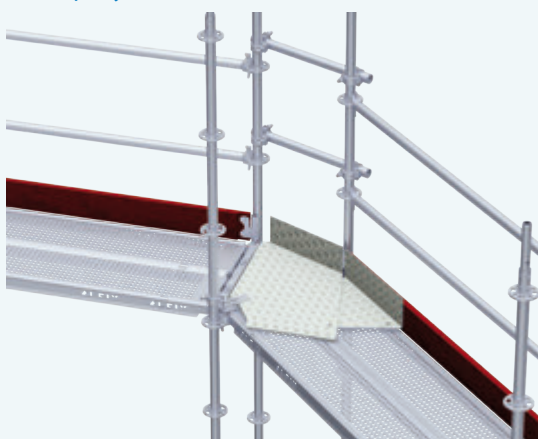


06



APPLICATION EXAMPLE

05 CORNER DECK, ADJUSTABLE



APPLICATION EXAMPLE

06 CORNER DECK

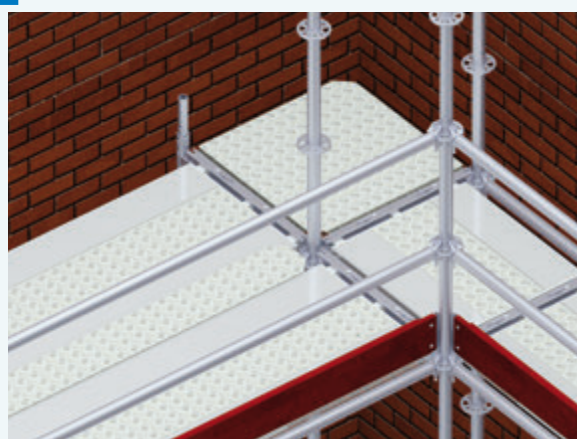
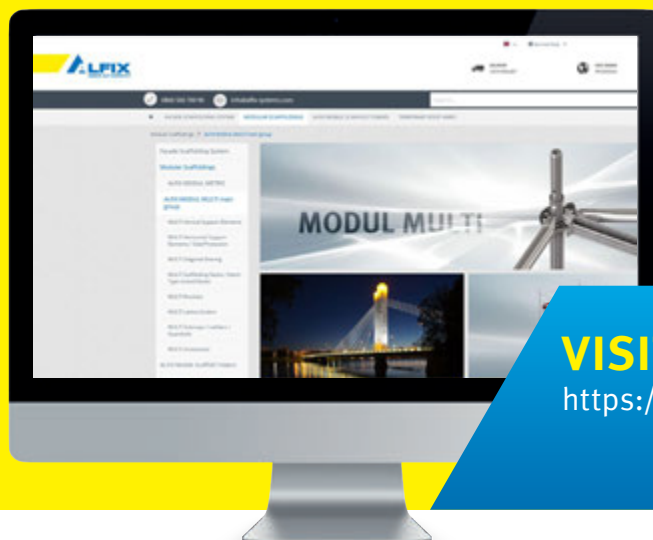


FIG.	DESCRIPTION	LOAD CLASS*	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	Intermediate deck, steel hot-dip galvanised — as spacing deck in case of different bay widths — mainly used in birdcage scaffolding	6	1.57 × 0.19	8.6	12 25 157
		6	2.07 × 0.19	11.2	12 25 207
		5	2.57 × 0.19	13.9	12 25 257
		4	3.07 × 0.19	16.5	12 25 307
02	Intermediate deck with tube fixture, steel — with tube fixture and lift-off preventer	6	1.57 × 0.19	9.2	40 30 157
		6	2.07 × 0.19	11.8	40 30 207
		5	2.57 × 0.19	14.5	40 30 257
		4	3.07 × 0.19	17.1	40 30 307
03	Steel plank + with locking pin and spring clip — for covering and/or closing corner areas and other construction-related openings — only for use on steel decks — The support length must be at least 250 mm! — height: 45 mm	4	1.00 × 0.30	5.5	12 24 100
		4	1.50 × 0.30	8.0	12 24 150
		3	2.00 × 0.30	10.5	12 24 200
		3	2.50 × 0.30	12.8	12 24 250
04	Spring clip steel; galvanised — spare part for pos. 3			0.03	73 04 006
05	Corner deck, adjustable + aluminium, chequer plate decking; with toeboard — for angles from 45° - 90°		0.60	10.6	40 91 001
06	Corner deck + steel; hot-dip galvanised — ideal construction component for internal corners		0.39 × 0.39	6.9	40 91 039
			0.73 × 0.73	20.2	40 91 073

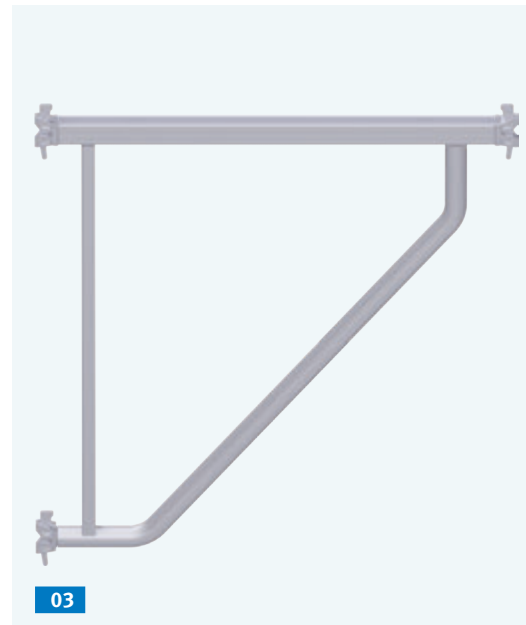
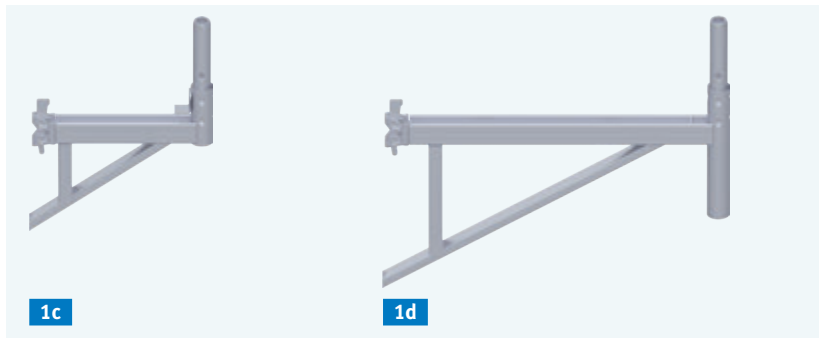
* see pages 42 - 45 for assignment of decking to load classes



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BRACKETS



APPLICATION EXAMPLE

04 BRACKET BRACE

for creating projections as an alternative to brackets

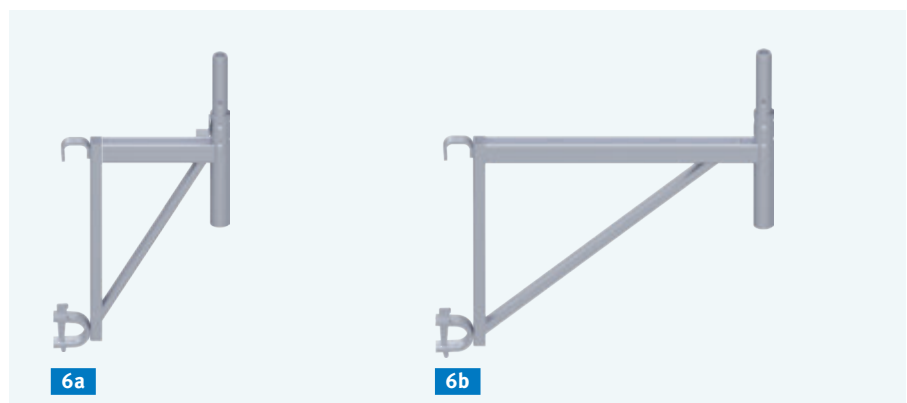
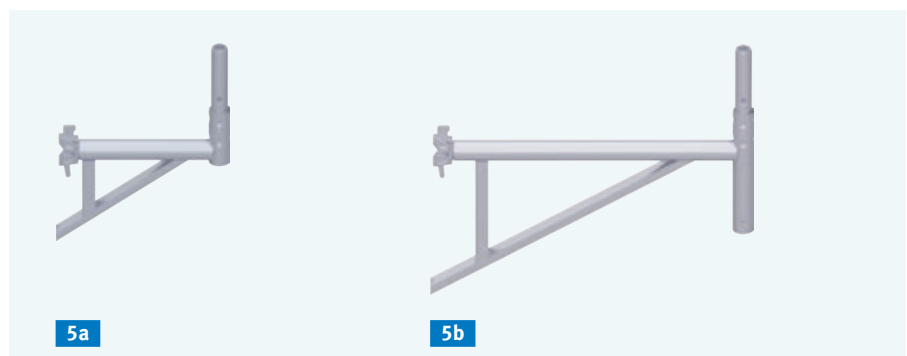
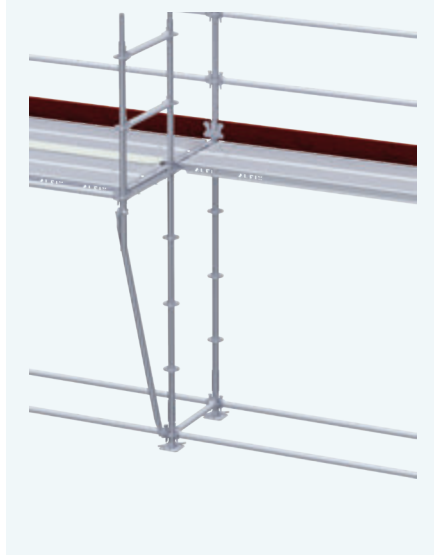
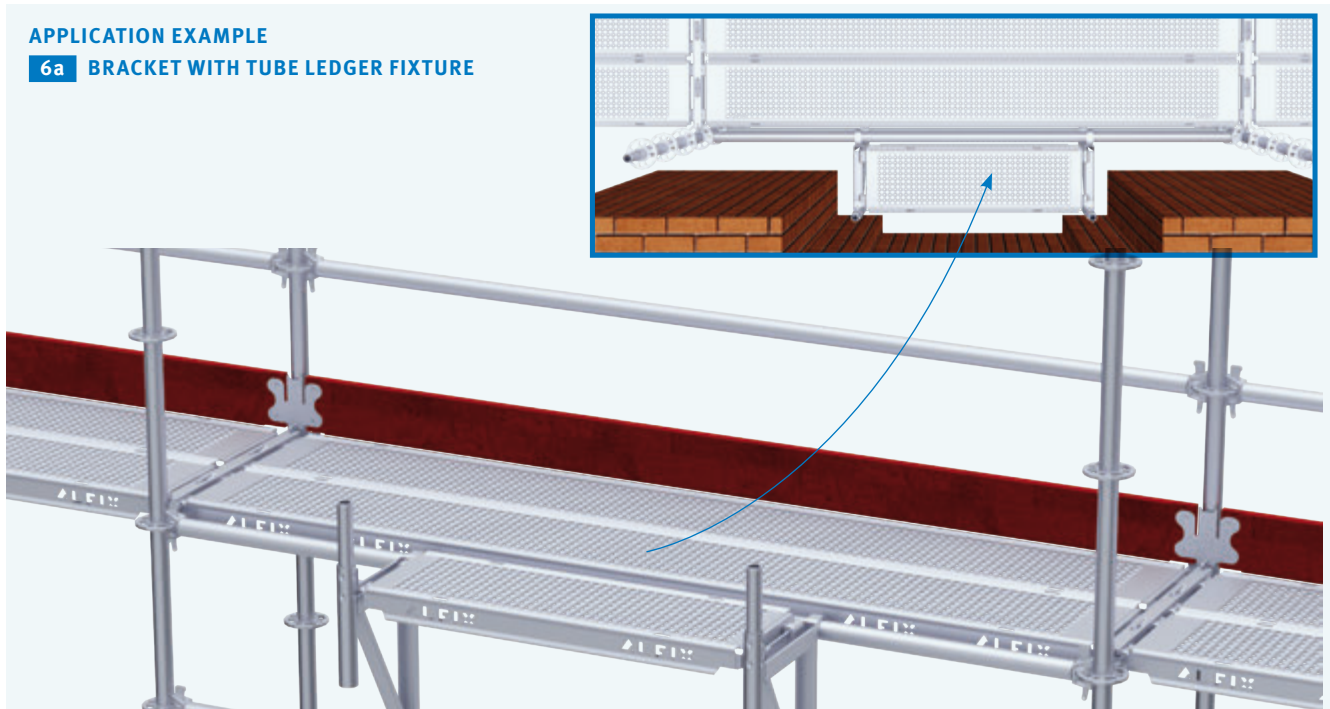


FIG.	DESCRIPTION	DIMENSIONS		WEIGHT	ARTICLE NO.
		L/H×W [m]	approx. [kg]		
01	Bracket steel; hot-dip galvanised — for widening scaffolding bays / converting projecting building parts — with U-profile for system decks — see pages 10/11 for respective lift-off preventer	1a	0.28	3.0	40 10 011
		(not shown)			
		1b	0.36	3.9	40 10 000
		(not shown)			
		1c	0.39	3.9	40 10 008
		1d	0.73	6.4	40 10 006
02	Bracket with 2 wedge-heads steel; hot-dip galvanised	0.73	5.5		40 10 014
03	Bracket steel; hot-dip galvanised — for widening scaffolding bays / converting projecting building parts — with U-profile for system decks — see pages 10/11 for respective lift-off preventer	1.09	12.0		40 10 012
04	Bracket brace + steel; hot-dip galvanised — for bracket support — fitted in the rosette on the standard	2.05	7.5		40 10 205
05	Bracket with tube fixture steel; hot-dip galvanised — for bracket widening when decks with tube fixture are used	5a	0.39	3.8	40 10 009
		5b	0.73	5.8	40 10 013
06	Bracket with tube ledger fixture + steel; hot-dip galvanised — for scaffolding in recesses of buildings at deck level or at intermediate heights	6a	0.36	6.0	40 10 030
		6b	0.73	7.5	40 10 035

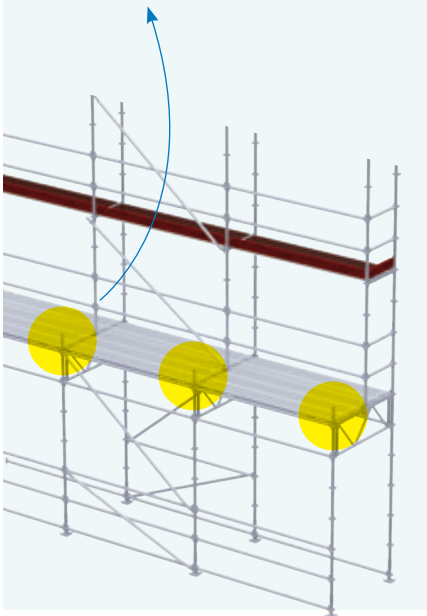
APPLICATION EXAMPLE

6a BRACKET WITH TUBE LEDGER FIXTURE

LATTICE GIRDERS

APPLICATION EXAMPLE

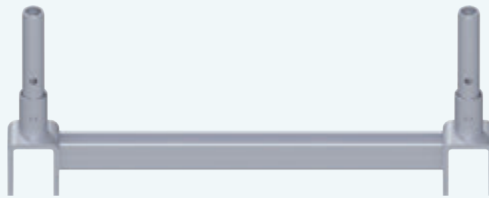
03 TUBE CONNECTOR
for U-ledge for constructing
pedestrian passages (various passage
widths)



1a



1b



02



03



4a



4b

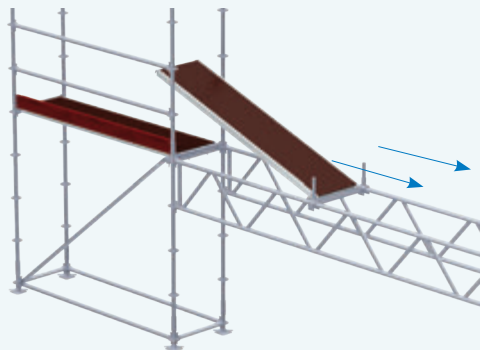
LATTICE GIRDER DECK CONFIGURATION

1.57	4 × 0.32 m 1 × 0.19 m	4.14	12 × 0.32 m 1 × 0.19 m
2.07	6 × 0.32 m	5.14	15 × 0.32 m 1 × 0.19 m
2.57	7 × 0.32 m 1 × 0.19 m	6.14	18 × 0.32 m 1 × 0.19 m
3.07	9 × 0.32 m	7.71	23 × 0.32 m 1 × 0.19 m

APPLICATION EXAMPLE

01 LATTICE GIRDER and
02 LATTICE GIRDER CROSS BRACE

The lattice girders have a movable lattice girder cross brace for fitting decks. This provides for a high level of safety as the decks can be fitted by sliding them onto the lattice girders while standing on the part of the scaffolding that has already been assembled.



APPLICATION EXAMPLE

05 GUARDRAIL STANDARD (WITH TUBE FIXTURE)

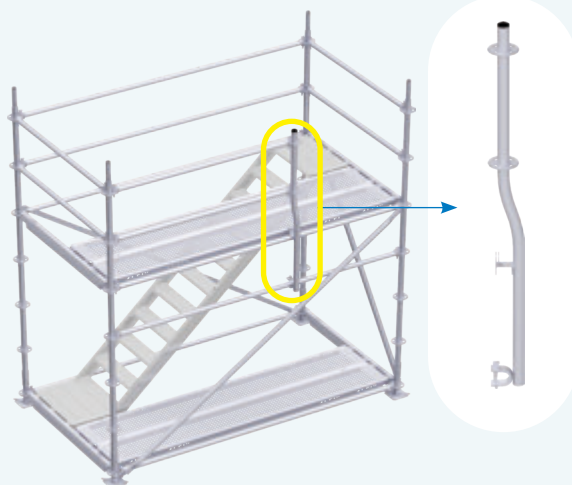
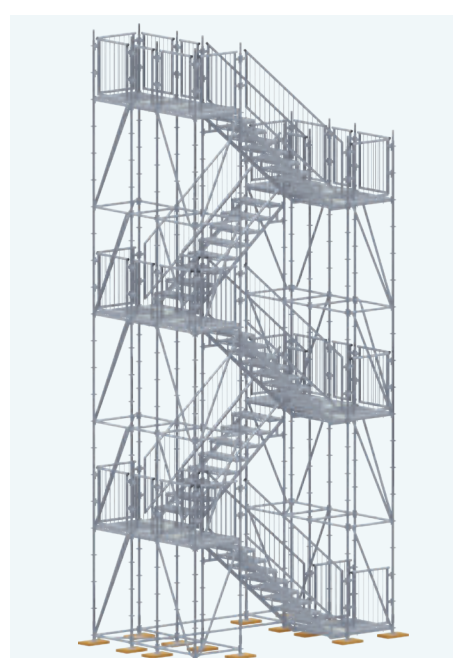
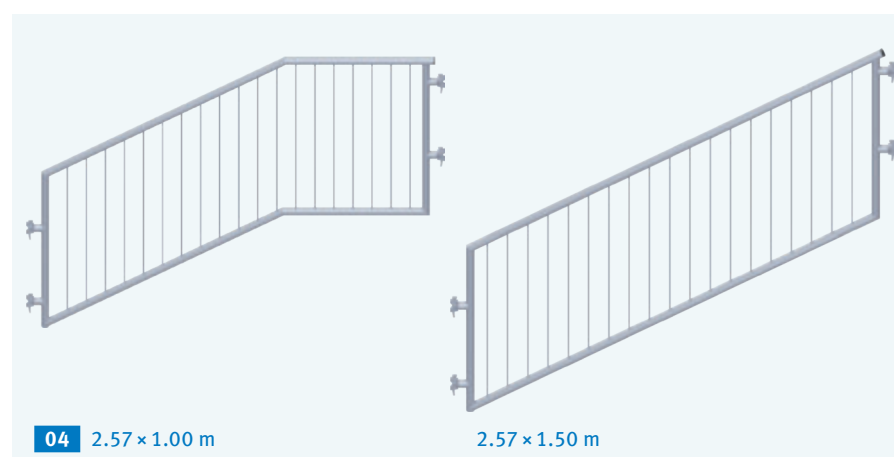
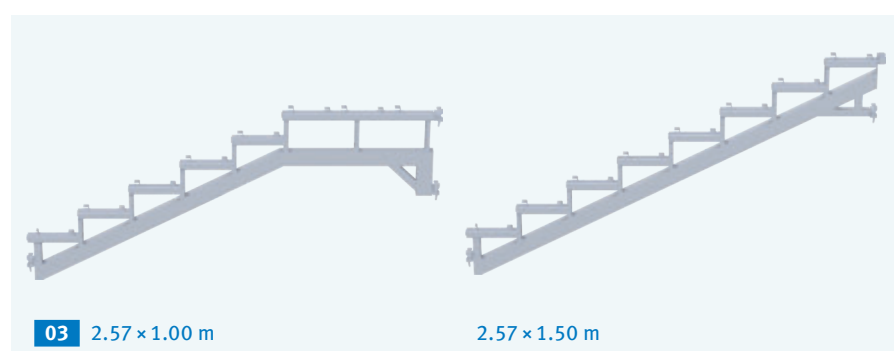
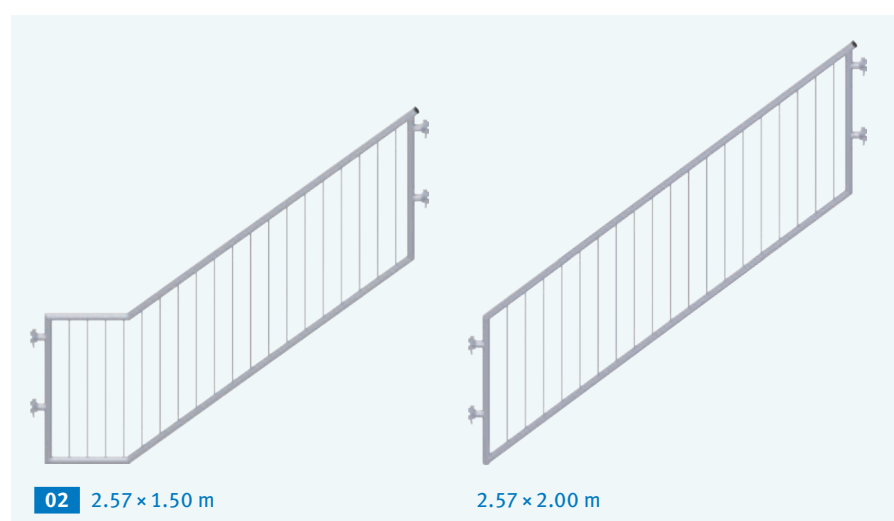
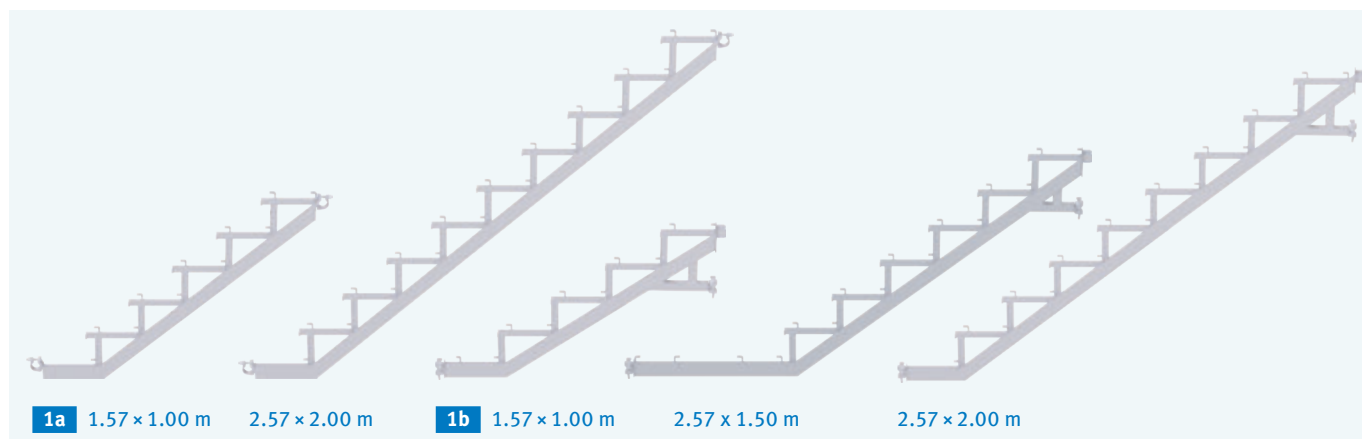


FIG.	DESCRIPTION	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	
01	Lattice girder* + steel; hot-dip galvanised				
	— available in all system lengths from 1.57 m to 7.71 m				
	— used for bridging or to construct areal scaffolding				
	— for direct connection to the rosette with 4 wedge heads				
	— lattice girder with welded-on tube connector available upon request				
	— see pages 40/41 for respective safety bolts (accessories)				
	1a Lattice girder	2.07	25.2	40 70 207	
	— for decks with tube fixture	2.57	30.2	40 70 257	
	— top and bottom chord: steel tube 48.3 mm	3.07	35.3	40 70 307	
		4.14	46.0	40 70 415	
		5.14	50.0	40 70 515	
		6.14	60.4	40 70 615	
		7.71	77.1	40 70 772	
	1b U-lattice girder	2.07	25.4	40 71 207	
	— top chord for suspending system decks	2.57	29.3	40 71 257	
	— bottom chord: steel tube 48.3 mm	3.07	31.2	40 71 307	
		4.14	40.5	40 71 414	
		5.14	50.9	40 71 514	
		6.14	61.1	40 71 614	
	7.71	75.9	40 71 771		
02	Lattice girder cross brace + steel; hot-dip galvanised	0.73	7.1	40 73 073	
		1.09	8.2	40 73 109	
03	Tube connector for U 2-deck bearer and tube fixture incl. linchpin + steel; hot-dip galvanised	0.4	2.1	41 51 002	
	— for fitting onto U-profiles or tubes				
04	Tube connector for lattice girder steel; hot-dip galvanised	4a with coupler	0.3	1.6	41 51 001
	— for use on tube ledgers or lattice girders with top chord for variable arrangement of standards	4b with bended profile coupler	0.3	1.5	41 51 007
05	Guardrail standard (with tube fixture) + steel; hot-dip galvanised	1.65	8.1	41 36 165	
	— for attaching tube ledgers as side protection whilst simultaneously allowing for a passage				
	— with welded-on toeboard support				

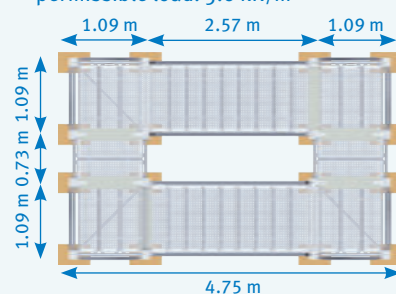
* Installation of lattice girders according to approval Z-8.22-906. The stability of the scaffolding must be verified in each case when lattice girders are used.

STAIRWAYS / LADDERS / GUARDRAILS



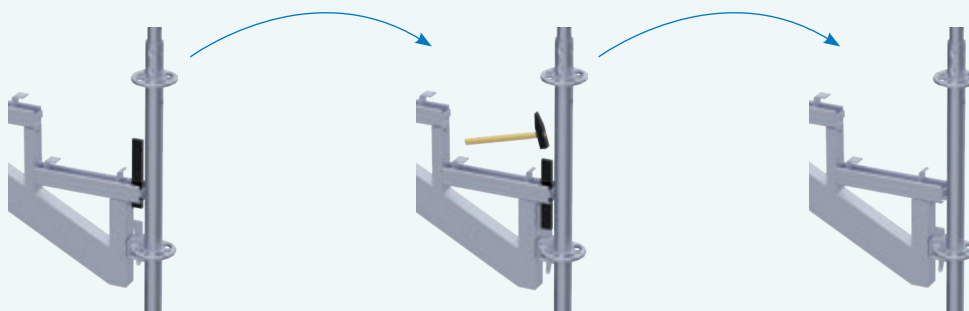
APPLICATION EXAMPLE ESCAPE STAIRWAY TOWER 500 kg

- 16-standard stairway tower with stairway stringers for fixing system decks (e.g. steel decks)
- variable stairway width (depending on particular application)
- 9-step, riser 22 cm / 9 decks per standard stairway
- permissible load: 5.0 kN/m²



For further information on stairways and stairway accessories please refer to the ALFIX MODUL MULTI stairway tower brochure.

FIG.	DESCRIPTION	DIMENSIONS		WEIGHT	ARTICLE NO.
		L/H×W [m]		approx. [kg]	
01	Stairway stringer steel; hot-dip galvanised; for accommodating system decks 1a with halfcoupler — permissible load: 200 kg/m ² (load class 3) 1b with wedge-heads — permissible load: 500 kg/m ² (load class 5)	left	1.57 × 1.00	17.1	41 07 054L
		right	1.57 × 1.00	17.1	41 07 054R
		left	2.57 × 1.50	29.6	41 07 058L
		right	2.57 × 1.50	29.6	41 07 058R
		left	2.57 × 2.00	28.1	41 07 060L
		right	2.57 × 2.00	28.1	41 07 060R
		left	1.57 × 1.00	16.1	41 07 053L
		right	1.57 × 1.00	16.1	41 07 053R
		left	2.57 × 1.50	29.3	41 07 059L
		right	2.57 × 1.50	29.3	41 07 059R
		left	2.57 × 2.00	27.3	41 07 061L
		right	2.57 × 2.00	27.3	41 07 061R
02	Stair guardrail, with child protection steel; hot-dip galvanised — for installation in a stairway tower up to 500 kg/m ² , with vertical rods — further dimensions available upon request — for use in escape stairway towers or similar building projects in public areas		1.57 × 1.00	26.2	41 36 102
			2.57 × 1.50	42.5	41 36 163
			2.57 × 2.00	42.8	41 36 202
03	Stairway stringer + steel; hot-dip galvanised — with wedge-heads — permissible load: 750 kg/m ² — with U-shaped accommodating mechanism for system decks — available in installation height 1.00 m and 1.50 m for bay length 2.57 m		1.57 × 1.00 (not shown)	29.4	41 07 066
			2.57 × 1.00	45.4	41 07 063
			2.57 × 1.50	44.4	41 07 065
04	Stair guardrail, with child protection steel; hot-dip galvanised — for installation in a stairway tower up to 750 kg/m ² — with vertical rods — further dimensions available upon request — for use in escape stairway towers or similar building projects in public areas		1.57 × 1.00 (not shown)	28.2	41 36 167
			2.57 × 1.00	40.1	41 36 162
			2.57 × 1.50	41.6	41 36 182



ASSEMBLY NOTICE FOR THE 03 STAIRWAY STRINGER 750 kg/m²

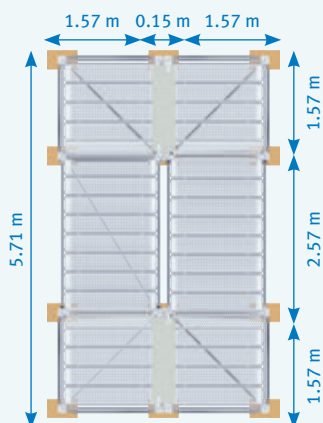
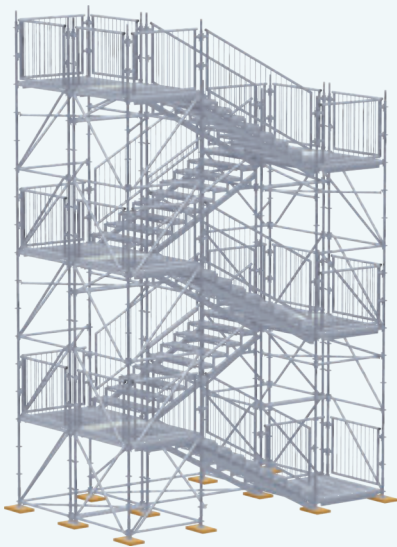
To drive the wedge into the rosette through the respective opening (10 x 35 mm) in the stairway stringer, we advise the use of a suitable drive-in pin which can be delivered upon request.

STAIRWAYS / LADDERS / GUARDRAILS

APPLICATION EXAMPLE

ESCAPE STAIRWAY TOWER 500 / 750 kg

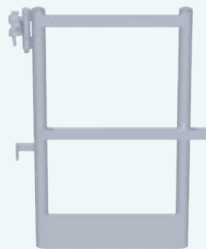
- 16-standard stairway tower with stairway stringers for fixing system decks (e.g. steel decks)
- variable stairway width (max. 1.57 m for reasons of stability)
- 9-step, riser 17 cm / 8 decks per standard stairway
- permissible load: 7.5 kN/m²



01



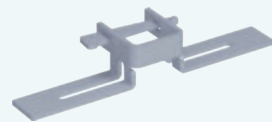
02



03

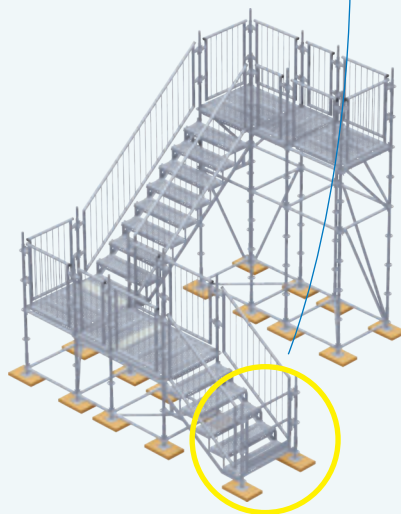


04



APPLICATION EXAMPLE

02 Swing door



APPLICATION EXAMPLE STAIRWAY TOWER

with starting height 1 m (adjusted to the ground with system decks)

03 CLAMP COUPLER (UNIVERSAL DESIGN) AS LIFT-OFF PREVENTION

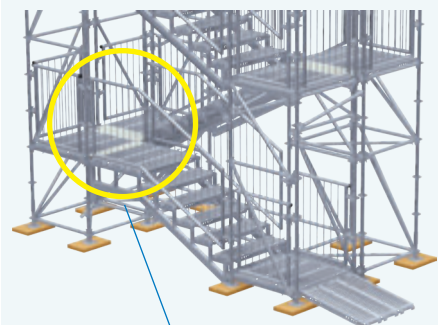


FIG.	DESCRIPTION	DIMENSIONS	WEIGHT	ARTICLE NO.
		L/H×W [m]	approx. [kg]	
01	Guardrail, with child protection steel; hot-dip galvanised — for use in escape stairway towers 500 / 750 kg/m ² or similar building projects in public areas — with vertical rods	0.73 × 1.10	14.3	41 40 073
		1.09 × 1.10	18.5	41 40 109
		1.57 × 1.10	24.3	41 40 157
		2.07 × 1.10	29.8	41 40 207
		2.57 × 1.10	35.9	41 40 257
		3.07 × 1.10	41.4	41 40 307
02	Swing door + steel; hot-dip galvanised — with locking mechanism — for securing accesses, e.g. in stairway towers	0.70	11.8	40 77 073
		1.00	13.8	40 77 109
03	Clamp coupler, universal design + steel; hot-dip galvanised; wrench size 19	0.20	1.1	13 17 019
04	Double clamp coupler with wedge steel; galvanised — to secure both sides of the gap cover		1.2	13 17 030

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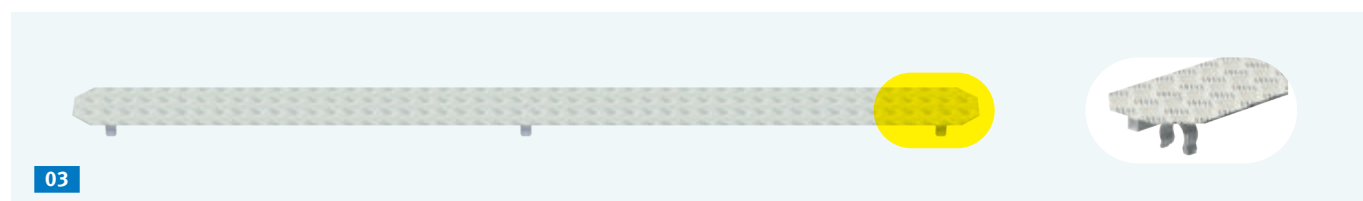
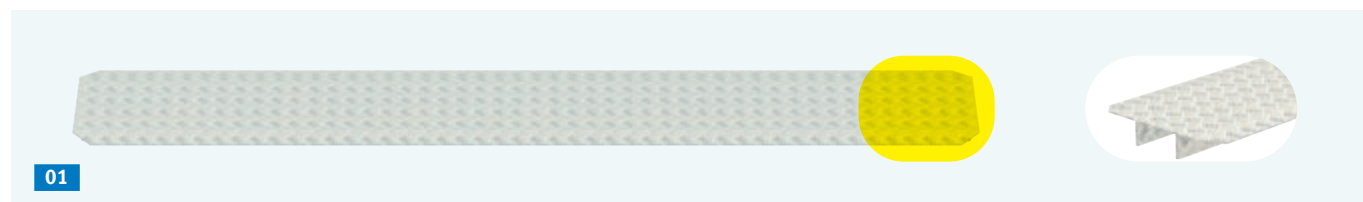
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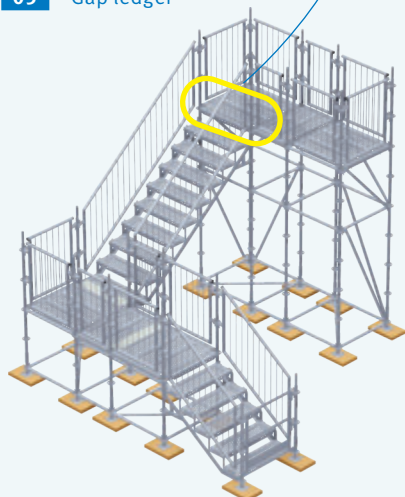


STAIRWAYS / LADDERS / GUARDRAILS



APPLICATION EXAMPLE

05 Gap ledger



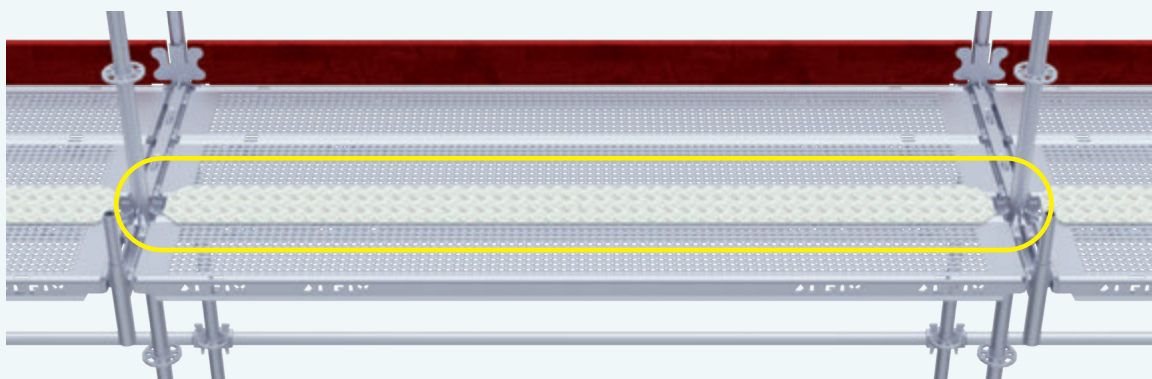
APPLICATION EXAMPLE

- 01 GAP COVER FOR DOUBLE STANDARD
- a CLAMP COUPLER (UNIVERSAL DESIGN) AS LIFT-OFF PREVENTION, SEE PAGE 33
- 03 GAP COVER

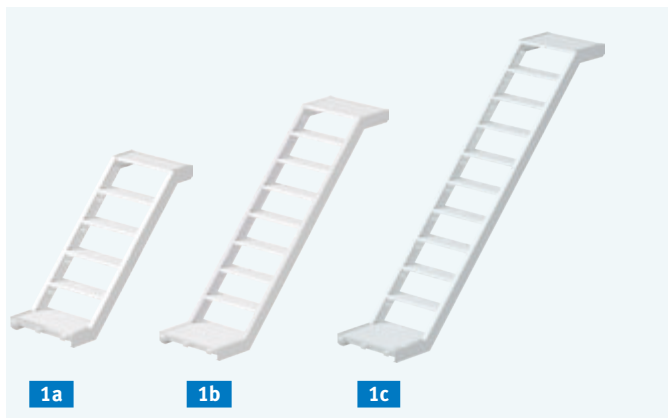


FIG.	DESCRIPTION	DIMENSIONS	WEIGHT	ARTICLE NO.
		L/H×W [m]	approx. [kg]	
01	Gap cover for double standard + aluminium chequer plate — as an alternative to a lift-off preventer — for covering gaps between deck levels — lift-off prevention with clamp coupler (universal design)	1.09×0.40	5.6	40 33 109
		1.57×0.40	8.5	40 33 157
		2.07×0.40	11.5	40 33 207
02	Gap cover, T-profile + aluminium chequer plate — as an alternative to a lift-off preventer — for covering gaps between deck levels — lift-off prevention with clamp coupler (universal design) — for covering the suspension claws and U-profiles for continuing platforms	1.09×0.19	2.3	40 34 109
		1.57×0.19	3.5	40 34 157
		2.07×0.19	4.7	40 34 207
03	Gap cover + aluminium chequer plate; for system decks — for covering gaps between Konsolenebenen — fitted onto the tube ledger — When using decks with tube fixtures a gap cover is required and must be ordered as needed!	1.09×0.19	2.0	40 32 109
		1.57×0.19	3.0	40 32 157
		2.07×0.19	4.0	40 32 207
		2.57×0.19	5.1	40 32 257
		3.07×0.19	6.1	40 32 307
04	Ledger with gap cover; 0.12 m + steel; hot-dip galvanised — to be used when using the stair stringer of 500 kg/ m ² (1.57 x 1.00 m) at the upper transition platform — to be used when using the stair stringer of 750 kg/m ² (2.57 x 1.50 m) at the upper and lower transitions to the platform	0.73×0.12	4.9	40 20 079
		1.09×0.12	5.5	40 20 115
		1.57×0.12	7.4	40 20 163
		2.07×0.12	9.4	40 20 213
		2.57×0.12	11.3	40 20 263
		3.07×0.12	13.3	40 20 313
05	Ledger with gap cover; 0.16 m + steel; hot-dip galvanised — to be used when using the stair stringer of 500 kg/ m ² at the upper transition platform — to be used when using the stair stringer of 750 kg/m ² at the upper and lower transitions to the platform	0.73×0.16	5.5	40 20 077
		1.09×0.16	6.8	40 20 113
		1.57×0.16	9.3	40 20 161
		2.07×0.16	10.5	40 20 211
		2.57×0.16	12.3	40 20 261
		3.07×0.16	14.1	40 20 311

APPLICATION EXAMPLE 03 GAP COVER



STAIRWAYS / LADDERS / GUARDRAILS



APPLICATION EXAMPLE

05 SCAFFOLDING LEAN-TO LADDER

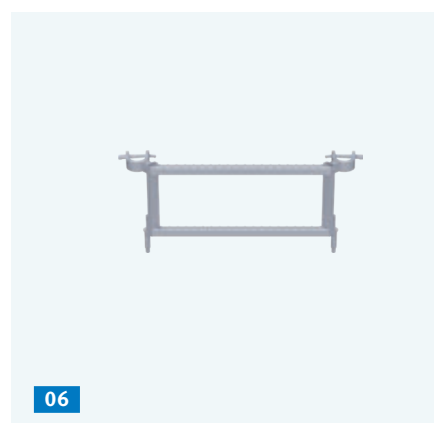
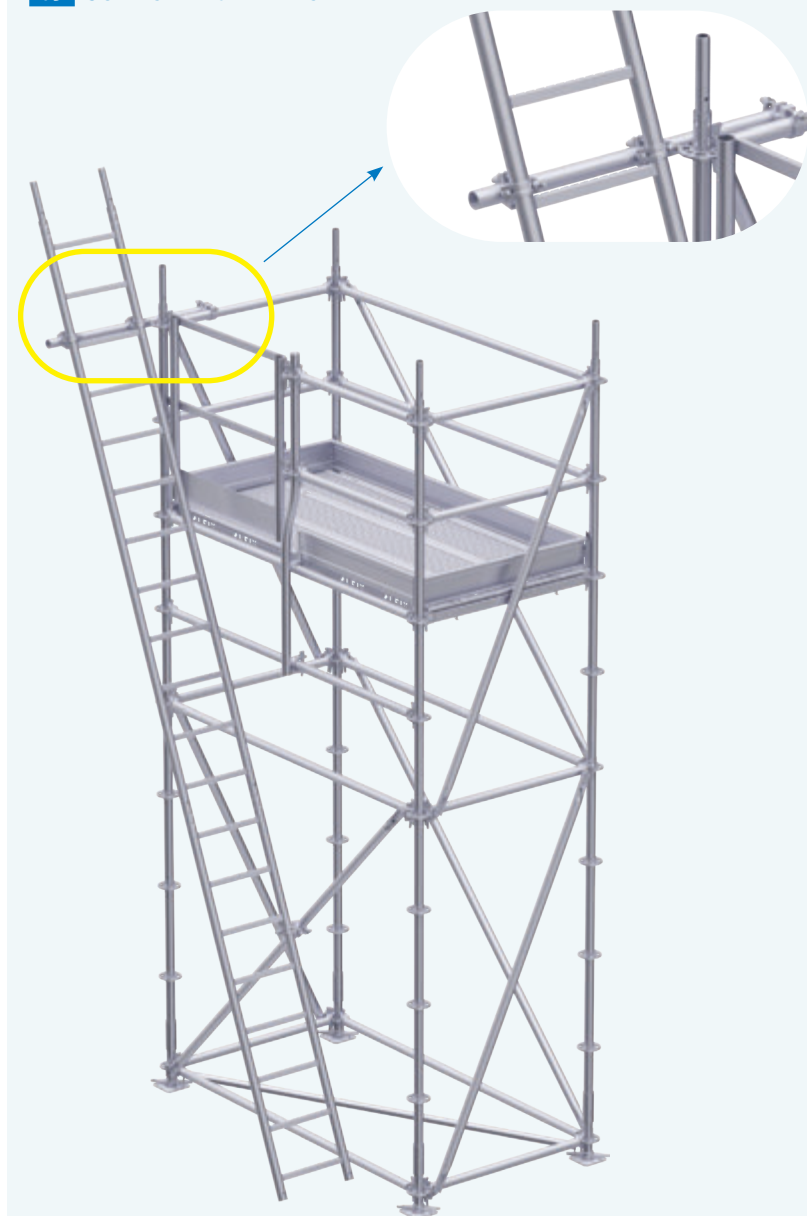
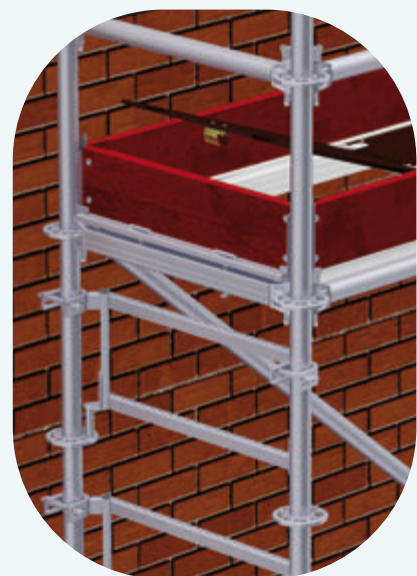


FIG.	DESCRIPTION		DIMENSIONS	WEIGHT	ARTICLE NO.
			L/H×W [m]	approx. [kg]	
01	ALBLITZ stairway, aluminium, width: 0.62 m with system fixture — riser 20 cm; for use with platform stairway tower — load-bearing capacity max. 200 kg/m ² (load class 3)	1a	1.40 × 1.00	15.0	12 98 140
		1b	2.07 × 1.50	23.2	12 98 207
		1c	2.57 × 2.00	26.0	12 98 257
		1d (not shown)	3.07 × 2.00	32.0	12 98 307
02	ALBLITZ stairway, aluminium, width: 0.94 m with system fixture — see pos. 01	2a	2.57 × 2.00	48.5	12 98 259
		2b (not shown)	3.07 × 2.00	59.1	12 98 309
03	Storey ladder, aluminium for 2.00 m storey height		2.00 × 0.40	3.7	11 32 001
04	Storey ladder, steel hot-dip galvanised; for 2.00 m storey height		2.00 × 0.40	8.1	11 42 000
05	Scaffolding lean-to ladder + steel tube ø 48.3 × 3.25 mm; hot-dip galvanised — with tube connector to extend the scaffolding lean-to ladders with one another — secured by linchpin or locking pin		2.00	20.9	11 40 200
			3.00	30.3	11 40 300
06	Storey ladder segment + steel; hot-dip galvanised — can be used as a ladder when assembled to standards		0.73 × 0.50	3.3	40 11 001

APPLICATION EXAMPLE

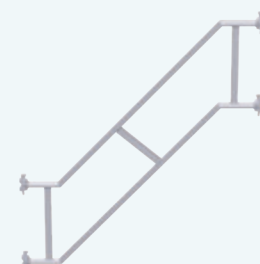
06 STOREY LADDER SEGMENT



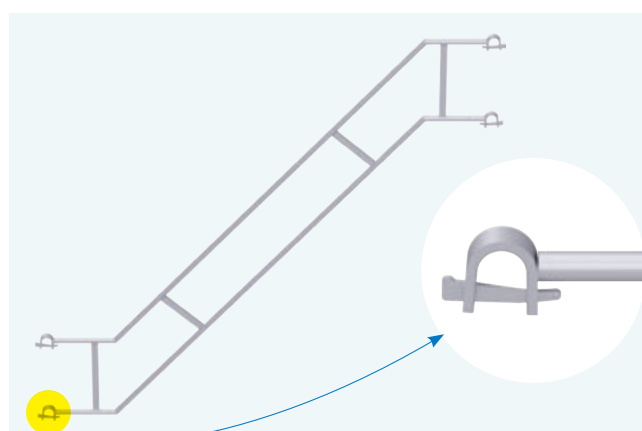
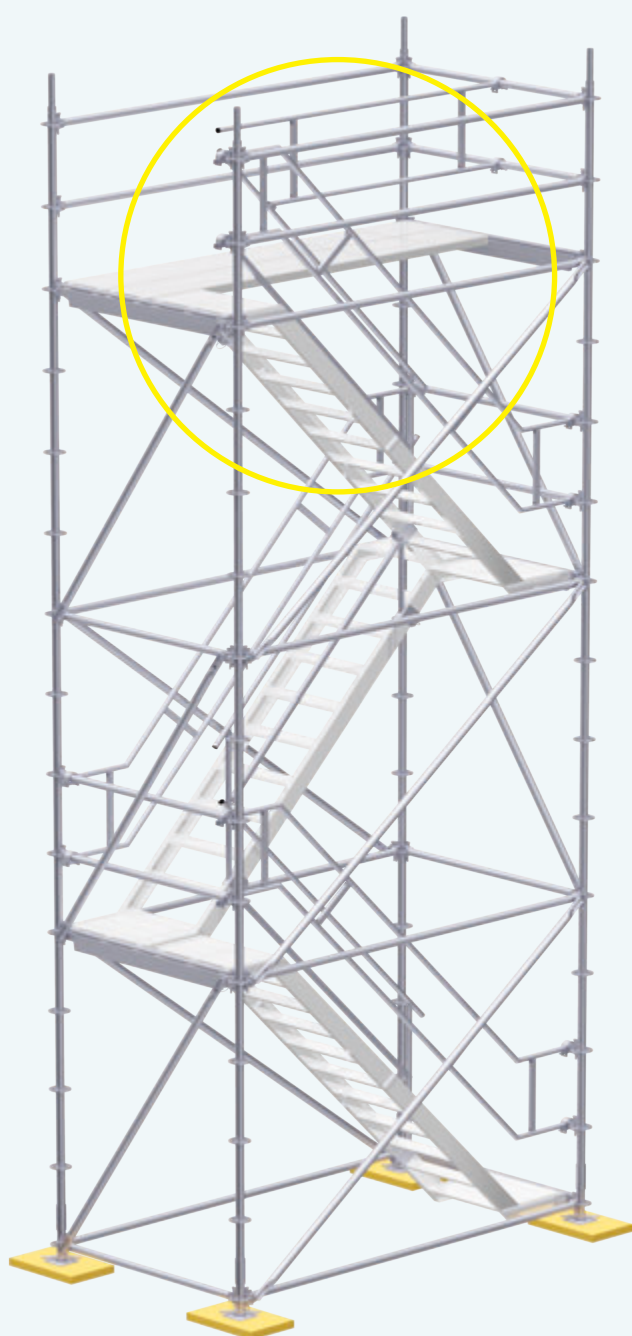
STAIRWAYS / LADDERS / GUARDRAILS

APPLICATION EXAMPLE

- 04** INTERNAL GUARDRAIL FOR ALUMINIUM STAIRWAY,
- 05** PLATFORM GUARDRAIL



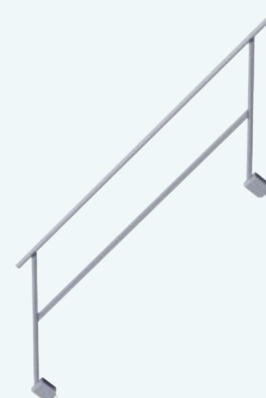
1a



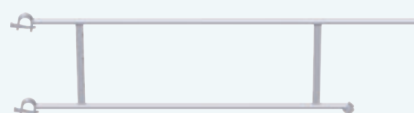
2a



03



04



05

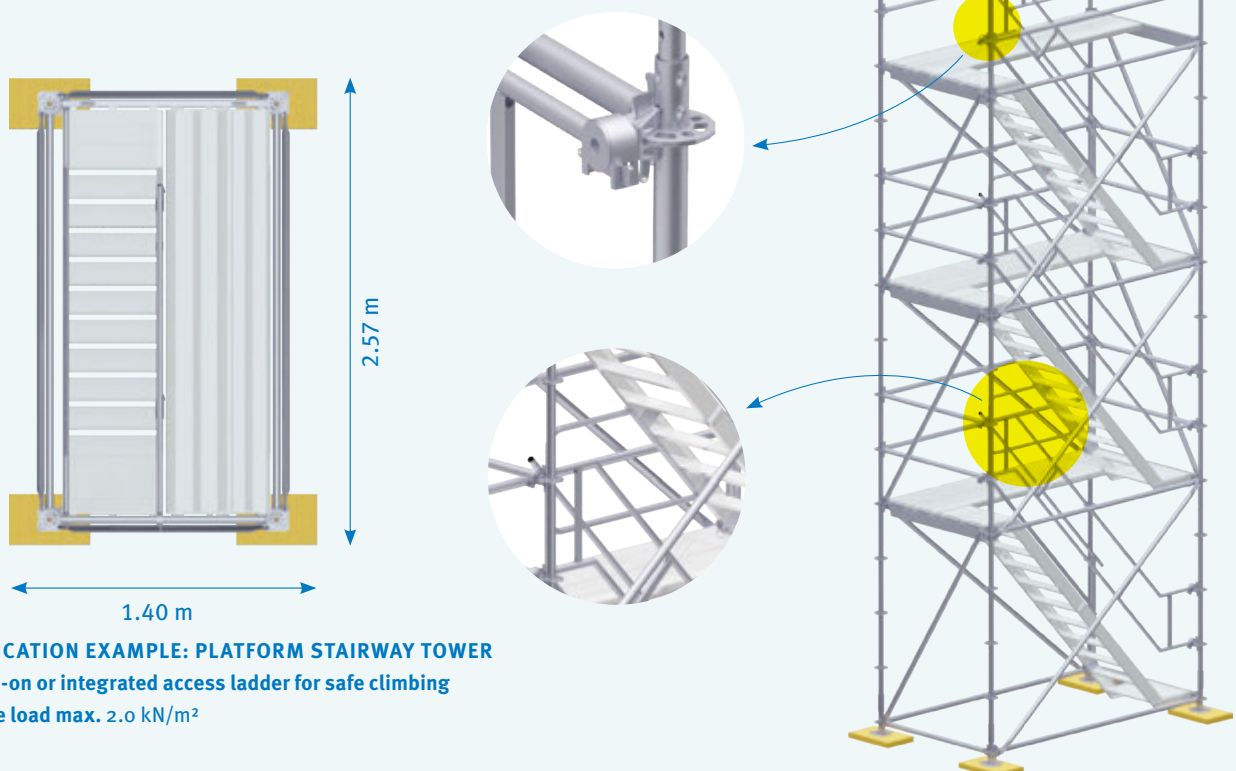


06

FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	ALBLITZ stair guardrail steel; hot-dip galvanised — with wedge-head connections	1a	1.40 × 1.00	11.7	41 36 208
		1b (not shown)	2.07 × 1.50	14.8	41 36 207
02	ALBLITZ stair guardrail + steel; hot-dip galvanised — with bended profile coupler for tubes 48.3 mm	2a	2.57 × 2.00	18.0	41 36 203
		2b	3.07 × 2.00	19.9	41 36 206
03	Guardrail fixing device + steel; hot-dip galvanised			0.8	41 36 300
04	Internal guardrail for aluminium stairway, height: 2.00 m + steel; hot-dip galvanised		2.00 × 1.00	13.3	11 31 000
05	ALBLITZ platform guardrail + steel; hot-dip galvanised		2.57	9.6	41 29 257
			3.07	10.4	41 29 307
06	Stair stringer fall protection + steel; hot-dip galvanised — incl. linchpin 12 x 70 mm with snap-on lock — effective fall protection when using aluminium stairs		1.00 × 0.50	8.8	11 31 001

APPLICATION EXAMPLE

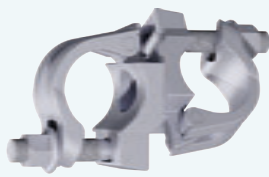
- 02 ALBLITZ STAIR GUARDRAIL
- 03 GUARDRAIL FIXING DEVICE
- 06 STRINGER FALL PROTECTION



APPLICATION EXAMPLE: PLATFORM STAIRWAY TOWER

- add-on or integrated access ladder for safe climbing
- safe load max. 2.0 kN/m²

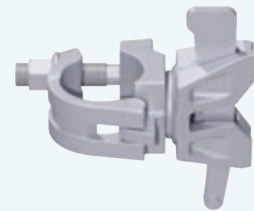
ACCESSORIES



01



02



3a



4a

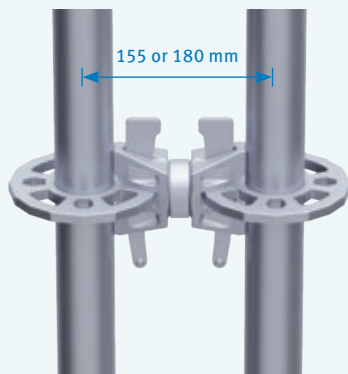


05

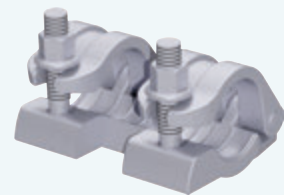


3b

APPLICATION EXAMPLE 04 DISTANCE COUPLER



06



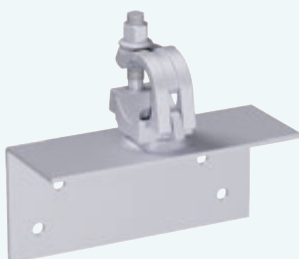
07



08



09



10



11



12



13



14



15



16

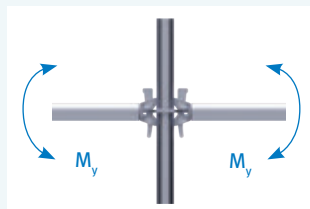
FIG.	DESCRIPTION		DIMENSION ø / ø [mm]	WEIGHT approx. [kg]	ARTICLE NO.
01	Swivel coupler*	WS19	48 / 48	1.0	13 03 019
02	Standard coupler*	WS19	48 / 48	1.0	13 01 019
03	Wedge-head coupler*	3a fixed		1.0	41 50 000
		3b swivelling		1.0	41 50 001
04	Distance coupler, fixed* +	4a (not shown)	155	1.1	41 50 003
		4b	180	1.2	41 50 002
05	Claw coupler* clear width 35 mm	WS19	48 / –	0.9	13 10 019
06	Halfcoupler*	WS19	48 / –	0.6	13 02 019
07	Tension coupler*	WS19	48 / 48	1.4	13 07 019
08	Tube connector for tension coupler	WS19		1.0	13 08 000
09	Universal tube connector 0.24 m, clampable – consists of 2 half-shells and a screw, expanded by the screw – for connecting tubes subject to impact stress			1.7	13 08 001
10	Squared timber coupler* H×W×D of steel bracket: 100 × 220 × 86 mm; with halfcoupler (swivelling)	WS19		1.8	33 81 019
FIG.	DESCRIPTION		DIMENSION L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
11	Hexagon bolt steel; galvanised		M 14 × 65	0.1	14 53 000
12	Hexagon nut steel; galvanised		M 14	0.04	73 02 003
13	Distance tube steel tube ø 48.3 × 3.2 mm; galvanised – fitted to the standard with 2 standard couplers – with borehole for locking the linchpin when using the EIFS anchor sleeve, from lengths of 1.00 m		0.40 1.00 1.30 1.50	1.5 3.3 4.2 4.8	13 61 040 13 61 100 13 61 130 13 61 150
14	Quick-release anchor steel; hot-dip galvanised		0.60	2.3	13 62 065
15	Scaffold tube, steel ø 48.3 × 3.25 mm; hot-dip galvanised		1.00 2.00 3.00 4.00 5.00 6.00	3.5 7.0 10.5 14.0 17.5 21.0	13 51 100 13 51 200 13 51 300 13 51 400 13 51 500 13 51 600
16	Scaffold tube, aluminium ø 48.3 × 4.00 mm		1.00 2.00 3.00 4.00 5.00 6.00	1.5 3.0 4.5 6.0 7.5 9.0	13 40 100 13 40 200 13 40 300 13 40 400 13 40 500 13 40 600

NOTE *for tubes with ø 48.3 mm; Couplers are approved by the respective manufacturer and in accordance with EN 74 standard.

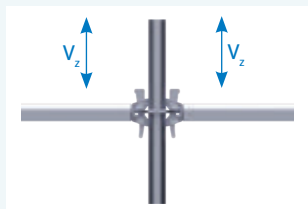
TECHNICAL DETAILS

STRESS CAPACITY VALUES:

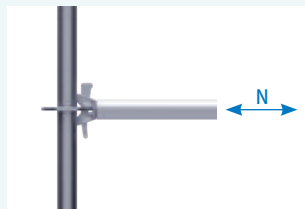
according to approval ALFIX MODUL MULTI Z-8.22-906 / approval ALBLITZ MODUL Z-8.22-913



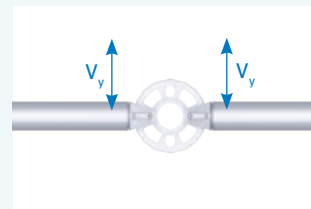
Connecting moment



Vertical force



Normal force



Horizontal force

Stress capacity values	ALFIX MODUL MULTI SCAFFOLDING CONNECTOR	ALFIX MODUL MULTI 4.0 SCAFFOLDING CONNECTOR	ALBLITZ MODUL SCAFFOLDING CONNECTOR
Connecting moment $M_{y,R,d}$	$\pm 104 \text{ kNcm}$	$\pm 120 \text{ kNcm}$	$\pm 101 \text{ kNcm}$
Vertical force $V_{z,R,d}$	$\pm 35 \text{ kN}$	$\pm 39.9 \text{ kN}$	$\pm 26.4 \text{ kN}$
Normal force $N_{R,d}$	$\pm 36 \text{ kN}$	$\pm 39.6 \text{ kN (46.6 kN*)}$	$\pm 31 \text{ kN}$
Horizontal force $V_{y,R,d}$	$\pm 16 \text{ kN}$	$\pm 16 \text{ kN}$	$\pm 10 \text{ kN}$

* Connection in the small hole of the steel perforated disc

The standard scaffolding version is approved for use as a working scaffold according to load class ≤ 3 (system width $b=0.732 \text{ m}$ and bay width $l=3.07 \text{ m}$) or load class ≤ 4 (system width $b=1.09 \text{ m}$ and bay width $l=2.57 \text{ m}$) in accordance with DIN EN 12811-1:2004-03, and as brick guard and roof brick guard in accordance with DIN 4420-1:2004-03.

The topmost horizontal plane (working area) must not exceed 24 m, plus spindle extension length above ground level. The standard version of the scaffolding system is designed for working operations at a scaffold level in accordance with DIN EN 12811-1:2004-03, Section 6.2.9.2 in front of a "open" façade with a percentage of openings of 60%, and in front of a closed façade.

Without additional verification, the standard version must only be used if the loads acting within the bays do not exceed the relevant live loads according to DIN EN 12811-1:2004-03, Table 3.

For the standard version of "ALFIX MODUL MULTI" scaffolding system, the following designation according to DIN EN 12810-1:2004-03 shall be used:

[Scaffolding EN 12810-3D-SW06/307-H2-A-LA](#)

[Scaffolding EN 12810-4D-SW09/257-H2-A-LA](#)

For assembly and dismantling of the scaffolding please observe the relevant regulations and rules (DIN 4420, DIN EN 12811, BGV 22 "building work" accident prevention regulation, German operating safety regulations).

In a site-related instruction for assembly and use and based on a risk analysis in accordance with the German Industrial Safety Regulations (BetrSichV), the employer shall decide the most suitable protection against risk of falling. Potential measures include technical protection and safety measures, personal protective equipment (PPE) to prevent falling and special training. ALFIX offers "advanced

guardrails" as protection measure which are documented separately as well as in the respective technical documentation.

If personal protective equipment (PPE) is used the following attachment points shall be used:

- guardrail/longitudinal ledger (1 m above deck level)
- standard (1 m above deck level)
- rosette (1 m above deck level)
- For further instructions on PPE please refer to DGUV Regulation 122-198 or DGUV Information 201-011.

Standard

permissible¹ standard load (compressive load) or tensile load-bearing capacity with pressed-in/screwed-in or integrated tube connector (4.0)

	PRESSURE					TENSILE LOAD
Unsupported length [m]	1.0	1.5	2.0	3.0	4.0	2 × 2 M10 8.8
Permissible load N [kN] (pressed-in/screwed-in tube connector)	97.4	65.6	42.6	21.0	12.3	34.4 (screwed-in)
Permissible load N [kN] (in- tegrated tube connector)	124.1	73.3	44.4	20.8	11.9	60.2

U-ledger / U-ledger, reinforced

permissible¹ lateral load

	LEDGER		LEDGER, reinforced			
Length L [m]	0.73	1.09	1.57	2.07	2.57	3.07
Uniformly distributed load q [kN/m]	26.00	24.60	25.15	14.41	9.30	6.32
Individual load P [kN/m] in bay centre	9.20	12.70	19.78	14.96	12.01	9.71

Tube ledger / double tube ledger

permissible¹ lateral load

	LEDGER	L., reinforced	DOUBLE TUBE LEDGER			
Length L [m]	0.73	1.09	1.57	2.07	2.57	3.07
Uniformly distributed load q [kN/m]	32.70	25.20	24.90	15.60	9.90	7.05
Individual load P [kN/m] in bay centre	11.85	13.65	21.30	13.05	8.40	6.75

Tube ledger

permissible¹ normal force (permissible tensile force: 36 kN)

Bay length [m]	0.73	1.09	1.57	2.07	2.57	3.07
Permissible compressive force D [kN]	36.00	36.00	36.00	36.00	27.60	20.10

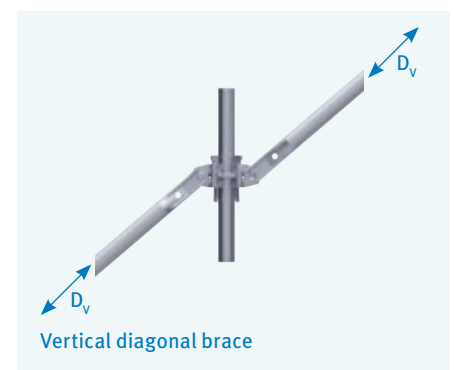
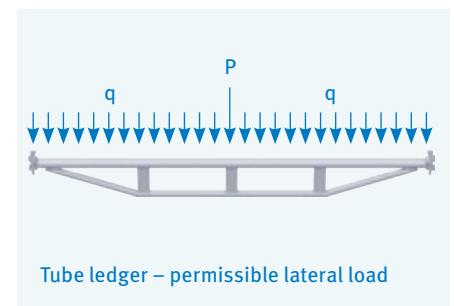
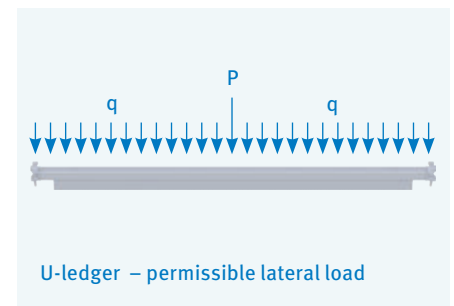
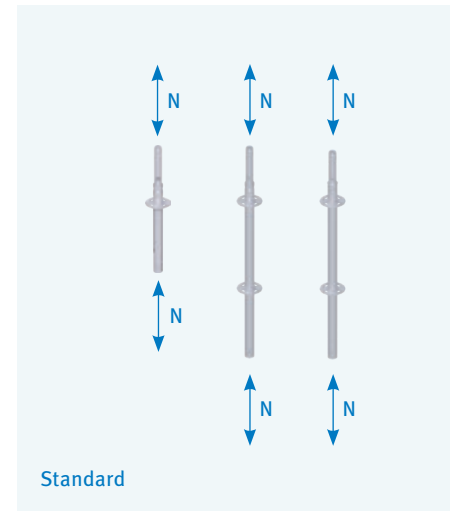
Vertical diagonal brace

permissible¹ normal force (bay height = 2.00 m) - refer to Technical Approval for further data

Bay length [m]	0.73	1.09	1.57	2.07	2.57	3.07
Permissible compressive force D [kN]	17.10	18.10	18.50	15.50	12.80	10.5
Permissible tensile force D [kN]	21.60	22.90	23.70	24.30	23.50	22.90



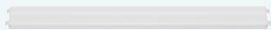
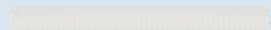




¹ Permissible loads are calculated with $\gamma_M=1.1$.

Note: Permissible loads are obtained by dividing the stress capacity by 1.5 (γ_F).




TECHNICAL DETAILS

Load classes of scaffolding decks

SCAFFOLDING DECKS	DESIGNATION	BAY LENGTH L (m)	BRICK GUARD AND ROOF BRICK GUARD APPLICATIONS	ASSIGNMENT OF DECKING TO LOAD CLASSES	
	Steel deck 0.32 m	≤ 2.07	permissible	6	
		2.57	permissible	5	
		3.07	permissible	4	
		4.14	permissible	3	
	Wooden deck 0.32 m	≤ 1.57	permissible	6	
		2.07	permissible	5	
		2.57	permissible	4	
		3.07	permissible	3	
	Solid aluminium deck 0.32 m	≤ 2.07	permissible	6	
		2.57	permissible	5	
		3.07	permissible	4	
		4.14	–	3	
	ALBLITZ lightweight deck 0.60 m	1.57	permissible	4	
		2.07	permissible	4	
		2.57	permissible	4	
		3.07	permissible	3	
	ALBLITZ frame platform 0.60 m film-coated plywood decking	≤ 3.07	permissible	3	
	ALBLITZ access deck with ladder 0.60 m film-coated plywood decking	≤ 3.07	permissible	3	
		2.57	permissible	3	
	ALBLITZ access deck with ladder 0.60 m chequer plate decking	2.57	permissible	3	
		3.07	permissible	3	
	ALBLITZ access deck without ladder 0.60 m film-coated plywood decking	≤ 3.07	permissible	3	

Parameters of horizontal diagonal braces

Extract of approval no. Z-8.22-906 (refer to Technical Approval for further data)

HORIZONTAL DIAGONAL BRACES	BAY LENGTH (m)	BAY WIDTH (m)	$N_{H,R,D}$ (kN)
	2.07	0.73	3.03
	2.57	0.73	3.00
	3.07	1.09	2.95
			

Cross-sectional values of base jacks

The substitute cross-sectional values of base jacks for the stress and deformation analyses according to DIN 4425 are to be assumed as follows:

BASE JACK	$A = A_s =$	3.52 cm ²
	$I =$	4.00 cm ⁴
	$W_{el} =$	2.68 cm ³
	$W_{pl} =$	$1.25 \times 2.68 = 3.35$ cm ³



EXTRACTS FROM THE DIN EN 12811 STANDARD

Service loads on working areas

SCAFFOLDING DECKS	LOAD CLASS	UNIFORMLY DIS- TRIBUTED LOAD q_1 in kN/m ²	CONCENTRATED LOAD ON AREA 500 mm × 500 mm F_1 in kN	CONCENTRATED LOAD ON AREA 200 mm × 200 mm F_2 in kN	PARTIAL AREA LOAD q_2 in kN/m ² Partial area factor $a_p^{1)}$	
	1	0.75	1.50	1.00	–	–
	2	1.50	1.50	1.00	–	–
	3	2.00	1.50	1.00	–	–
	4	3.00	3.00	1.00	5.00	0.4
	5	4.50	3.00	1.00	7.50	0.4
	6	6.00	3.00	1.00	10.00	0.5

Headroom classes

SCAFFOLDING DECKS	CLASS	CLEAR HEADROOM		
		between wor- king areas h_3	between working areas and transoms or tie members h_{1a} and h_{1b}	clear shoulder height h_2
	H ₁	$h_3 \geq 1.90$ m	$1.75 \text{ m} \leq h_{1a} \leq 1.90 \text{ m}$ $1.75 \text{ m} \leq h_{1b} \leq 1.90 \text{ m}$	$h_2 \geq 1.60$ m
	H ₂	$h_3 \geq 1.90$ m	$h_{1a} \geq 1.90$ m $h_{1b} \geq 1.90$ m	$h_2 \geq 1.75$ m

Width classes

SCAFFOLDING DECKS	WIDTH CLASS	w in m
	W06	$0.6 \leq w \leq 0.9$
	W09	$0.9 \leq w \leq 1.2$
	W12	$1.2 \leq w \leq 1.5$
	W15	$1.5 \leq w \leq 1.8$
	W18	$1.8 \leq w \leq 2.1$
	W21	$2.1 \leq w \leq 2.4$
	W24	$2.4 \leq w$

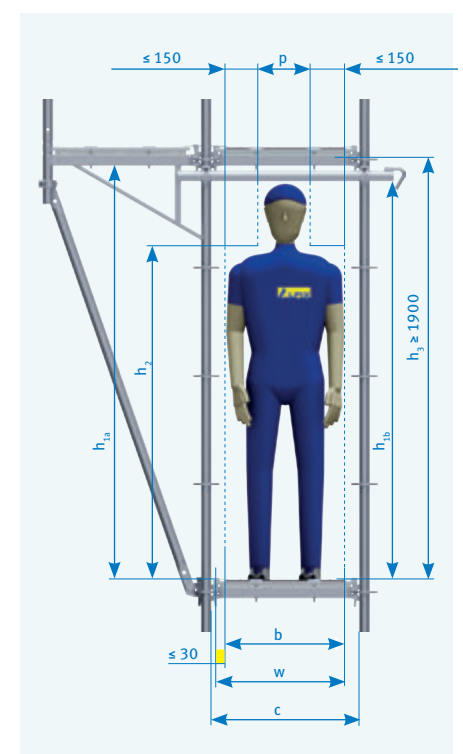
Headroom and width classes of working areas

- b width of passage clearance, 500 mm is the minimum requirement, and (c - 250 mm)
 c width of clearance between standards
 h_{1a} , h_{1b} width of clearance between working areas and transoms or tie members
 h_2 clear shoulder height
 h_3 clear height between working areas
 p clear width in the head area; 300 mm is the minimum requirement, and (c - 450 mm)
 w width of working areas

Designation of scaffolds according to the standard EN 12810-1

Example: Scaffold EN 12810 – 4 D – SW09/257 – H2 – A – LA

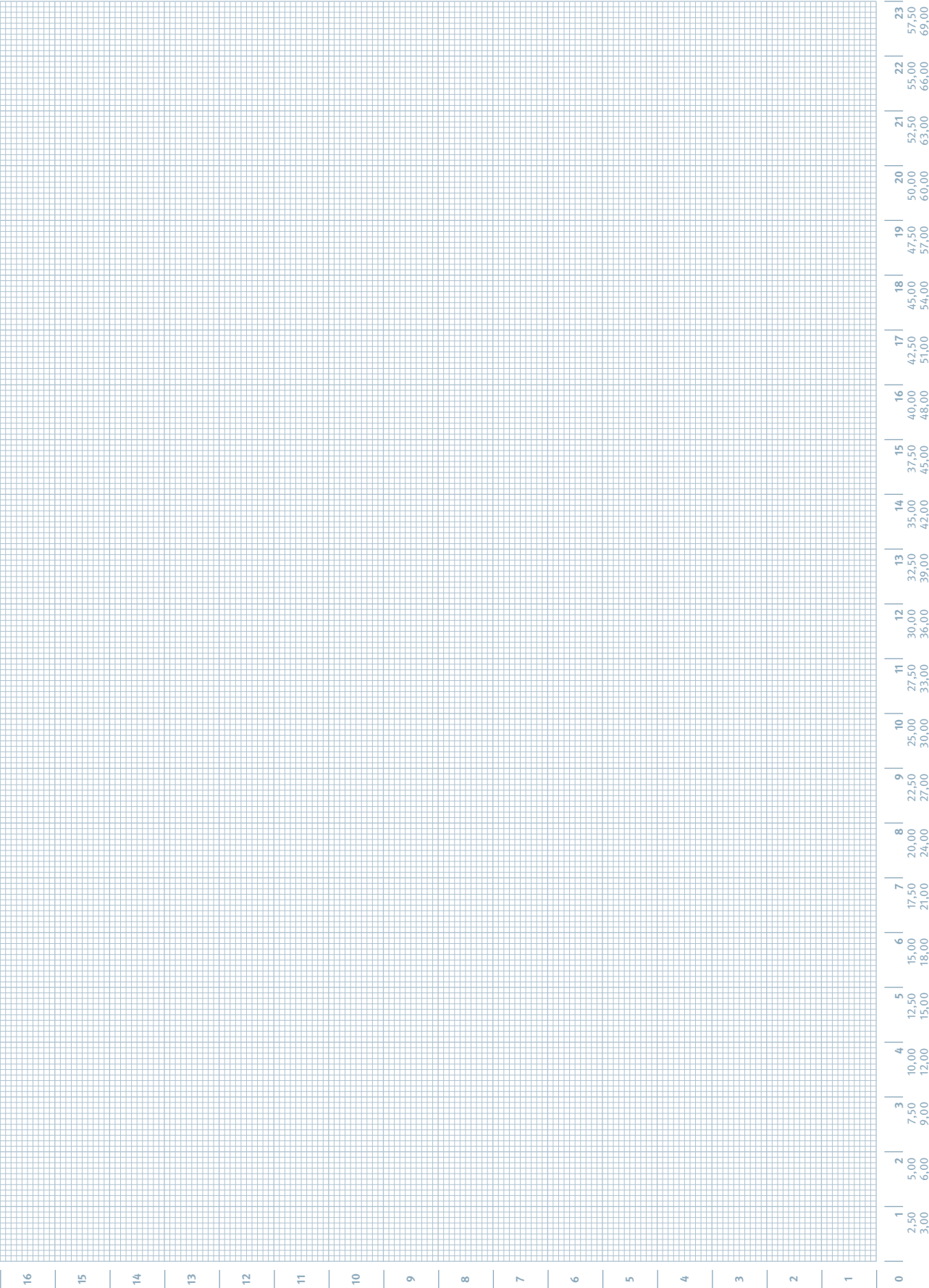
EN 12810	Frame scaffold (system scaffold) according to DIN EN 12810-1
4	Load class 4 (see Table 3 DIN EN 12811-1)
D	Drop tests on platforms (D = with drop test, N = without drop test)
SW09/257	System width class (see table 1 DIN EN 12811-1); here: between 0.90 m and 1.20 m/bay length 2.57 m
H2	Headroom class (see Table 2 DIN EN 12811-1)
A	without cladding (A = without cladding, B = with cladding)
LA	with ladder (LA = ladder, ST = satirway, LS = both)



NOTES

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal blue lines across its entire width. The background is a solid off-white color, typical of standard notebook or legal pad paper. There are no margins, text, or other markings present.

SKETCHES



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