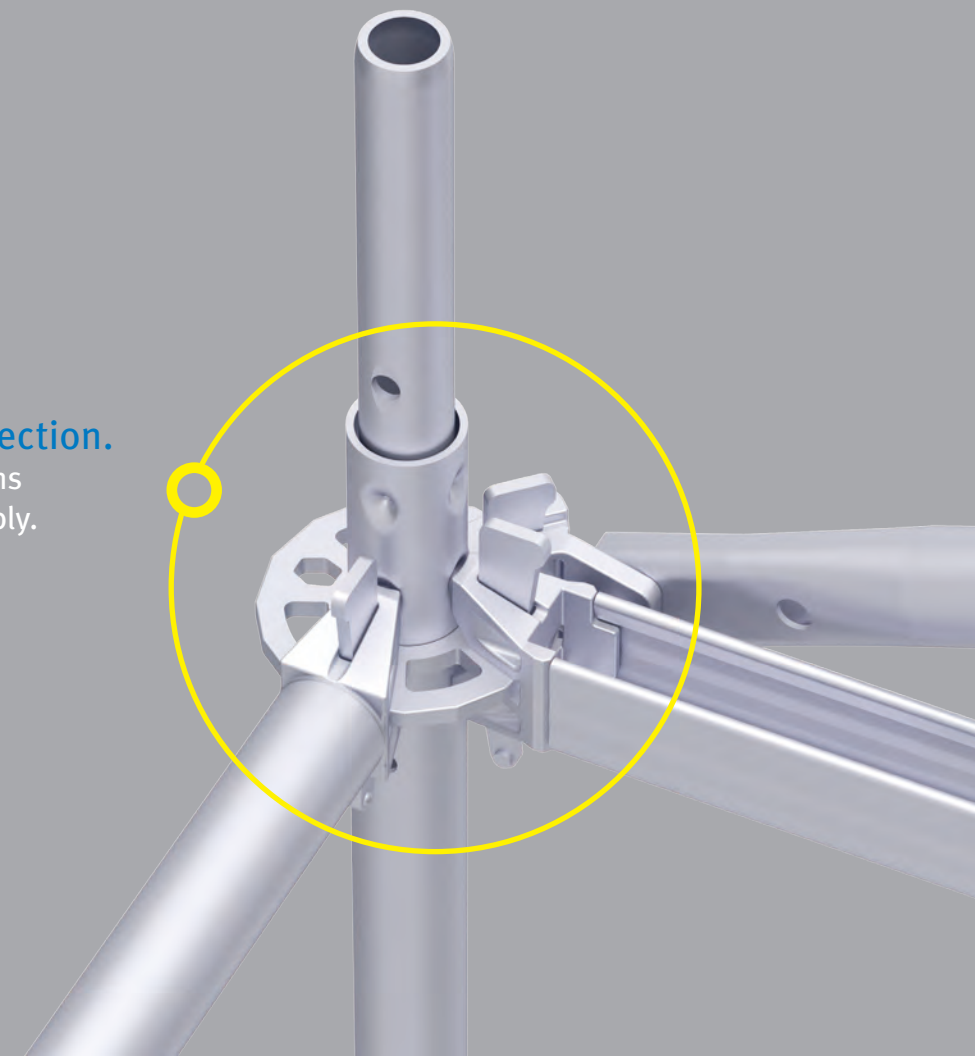
ALFIX
SECURELY SCAFFOLDED

ALFIX
MODUL MULTI

Catalogue and Price List



The proven wedge lock connection.

Positive and non-positive connections
for time-saving and bolt-free assembly.

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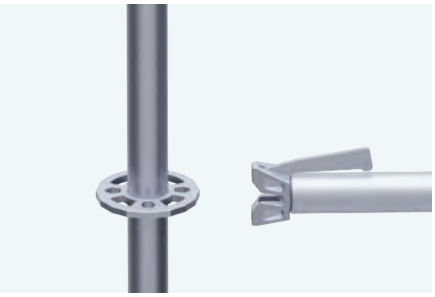

Key element of the ALFIX MODUL MULTI system is the ALFIX modular connector: the rosette. Proven wedge lock connection for time-saving and bolt-free assembly thanks to positive and non-positive connections. Rosettes at every 50 cm with eight openings permit connections at any angle. This design offers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

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Catalogue and Price List - ALFIX Modul Multi

Edition: July 2019

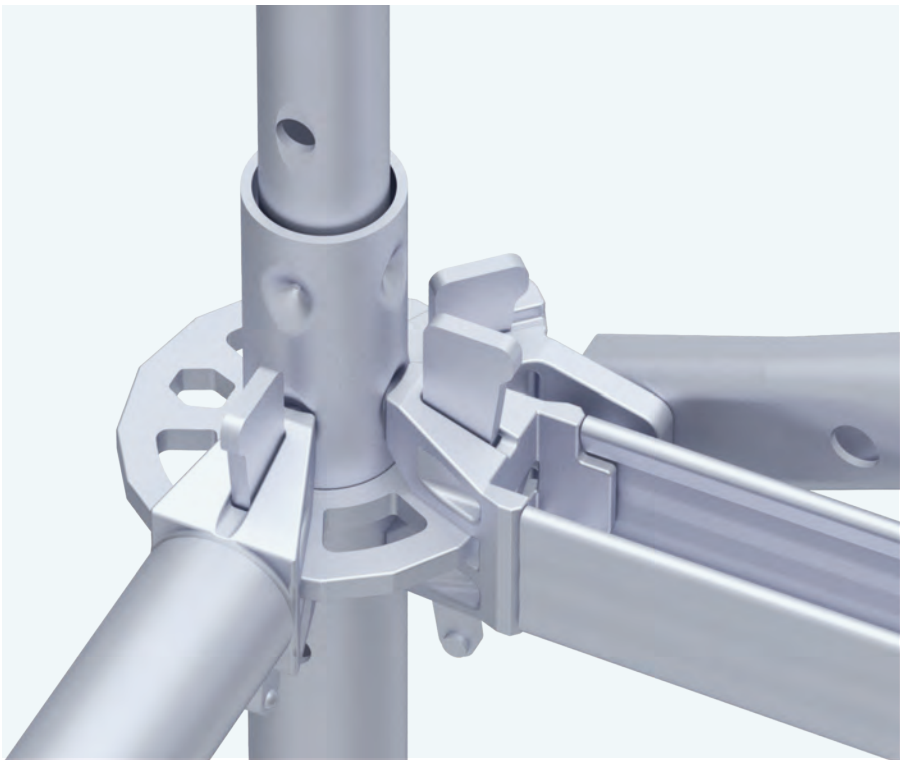
ALFIX MODUL MULTI

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 38 for detailed information on load-bearing capacity of the rosette.

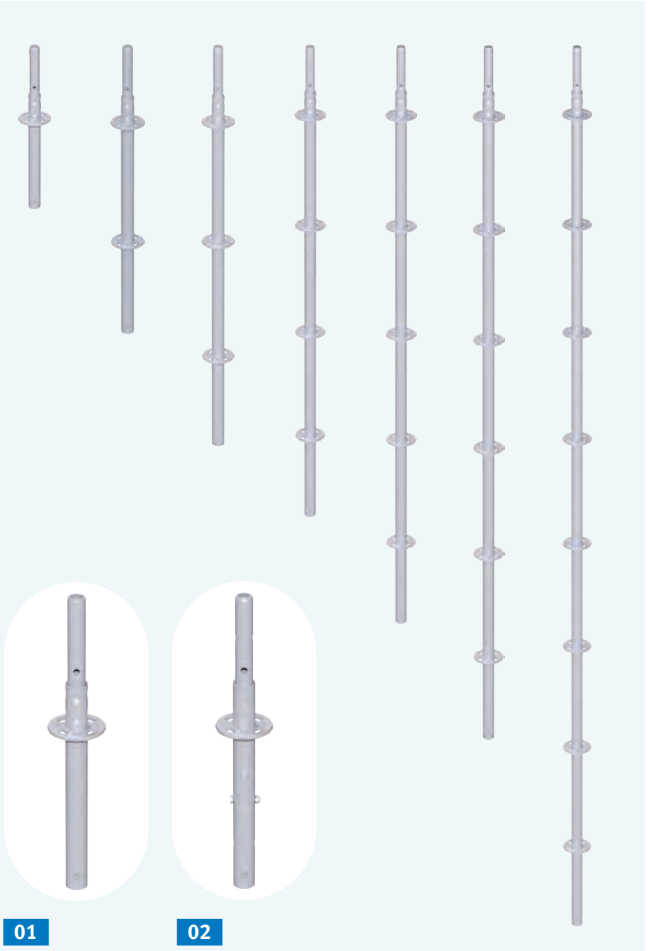
Technical approvals:

ALFIX MODUL MULTI (Z-8.22-906)

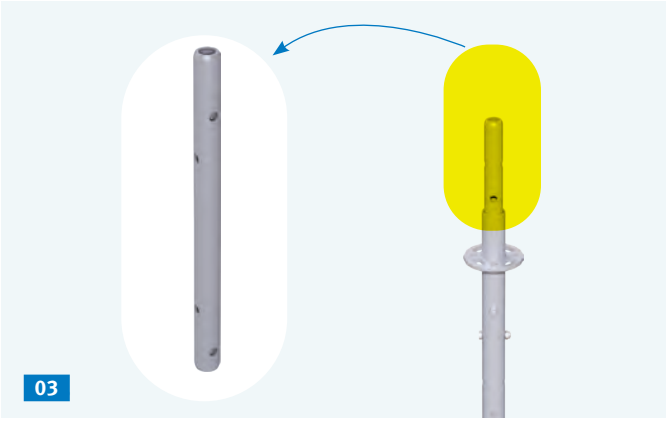
ALBLITZ MODUL (Z-8.22-913)

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



01 02



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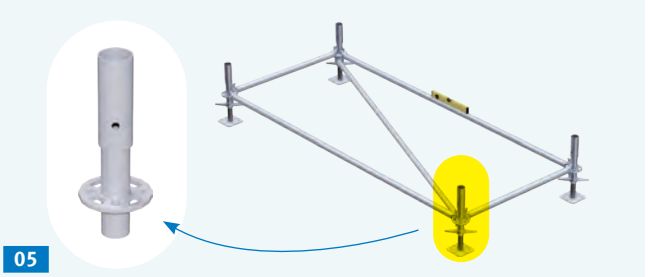

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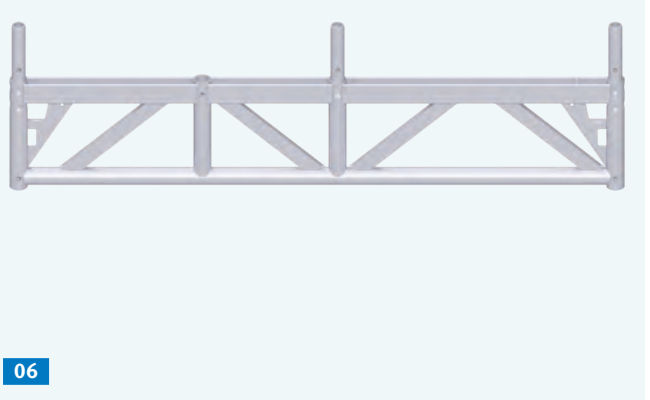


06

APPLICATION EXAMPLE

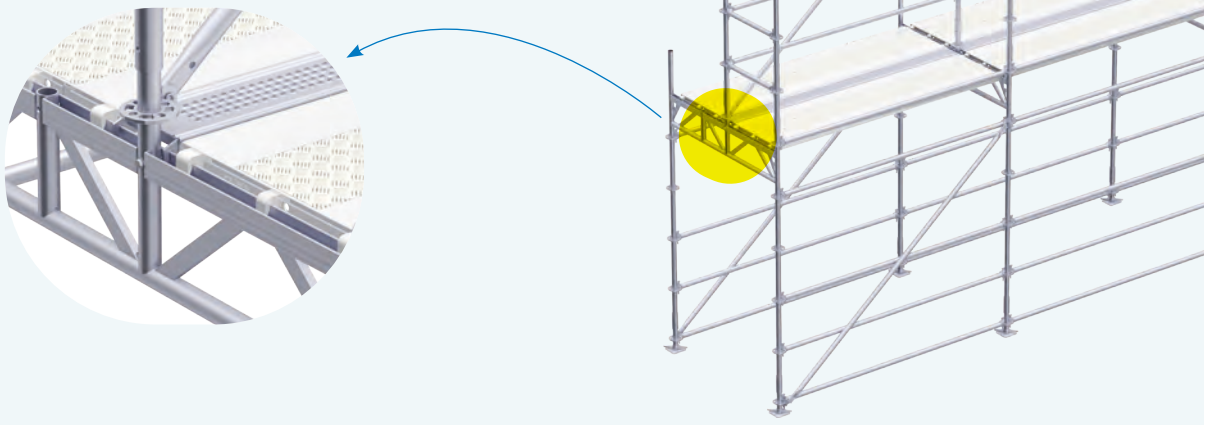
06 Passage frame truss

FIG.	DESCRIPTION	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	PRICE [€]
01	**Standard** with pressed-in tube connector (TC)* steel tube 48.3 mm x 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	**18.80**
		1.00	5.5	40 04 100	**24.10**
		1.50	7.7	40 04 150	**34.30**
		2.00	10.1	40 04 200	**39.40**
		2.50	12.3	40 04 250	**53.70**
		3.00	14.6	40 04 300	**58.40**
		4.00	19.2	40 04 400	**74.80**
02	**Standard** with screwed-in tube connector (TC)* steel tube 48.3 mm x 3.2 mm, hot-dip galvanised – for use as suspended scaffolding – including special screws – with rosettes at every 50 cm – first rosette at 40 cm from the bottom of the standard	0.50	4.0	40 05 050	**28.60**
		1.00	6.2	40 05 100	**33.90**
		1.50	8.5	40 05 150	**44.10**
		2.00	10.8	40 05 200	**49.20**
		2.50	13.0	40 05 250	**63.50**
		3.00	15.3	40 05 300	**68.20**
		4.00	19.9	40 05 400	**86.85**
03	**Tube connector** steel tube, hot-dip galvanised spare part for standard with screwed-in tube connector spigot fitting 520: spare part from 2008 (year of manufacture)	0.52	1.7	83 40 050	**9.80**
04	**Hexagon bolt M12 x 60 mm** steel, galvanised, incl. hexagon nut M12, self-locking (not shown)		0.05	73 01 260	**0.80**
05	**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	**11.20**
06	**Passage frame truss** ⊕ steel ø 48.3 mm, hot-dip galvanised	1.57	23.2	83 10 059	**111.90**

* please refer to page 39 for the load-bearing capacity of the standards

APPLICATION EXAMPLE

05 Base collar
06 Passage frame truss with



VERTICAL SUPPORT ELEMENTS

02 0.60 m

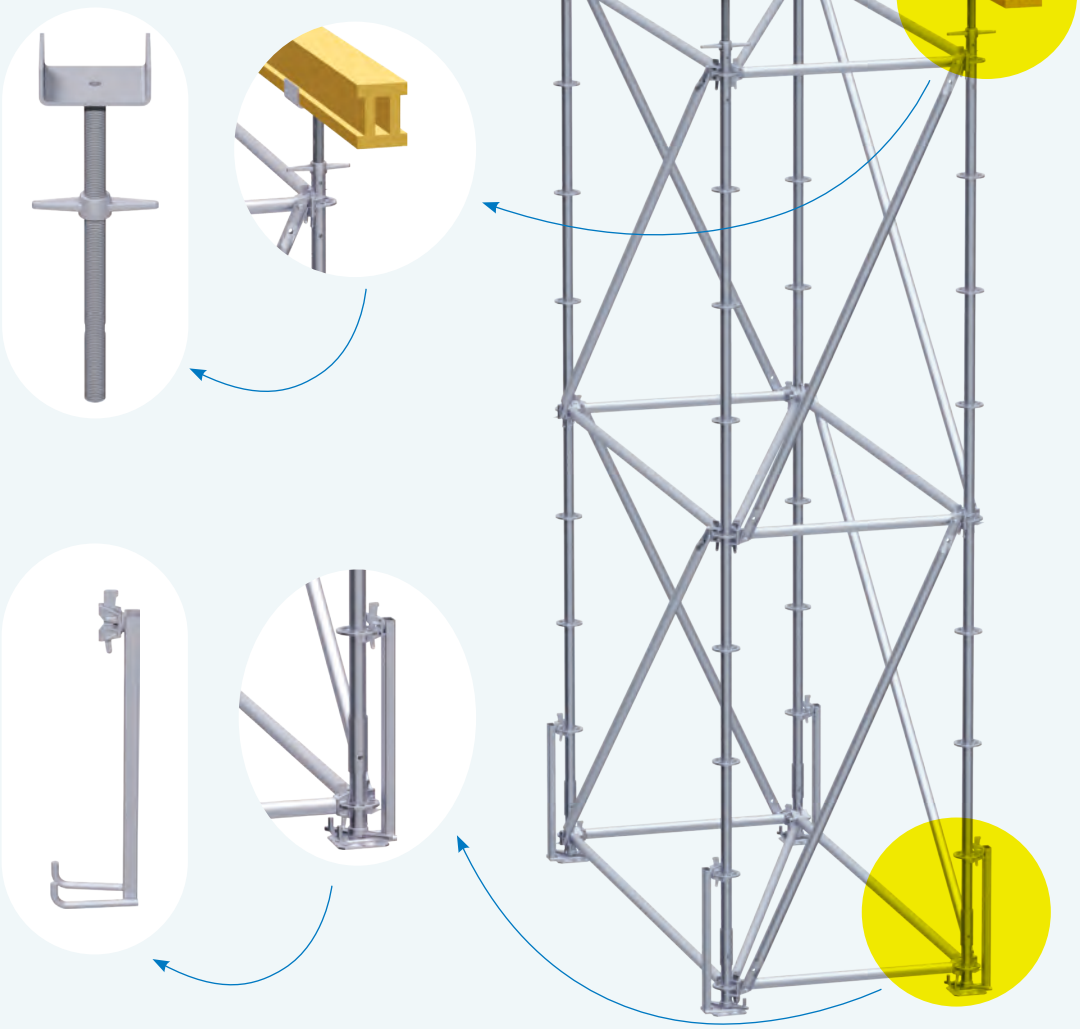
03

04

APPLICATION EXAMPLE

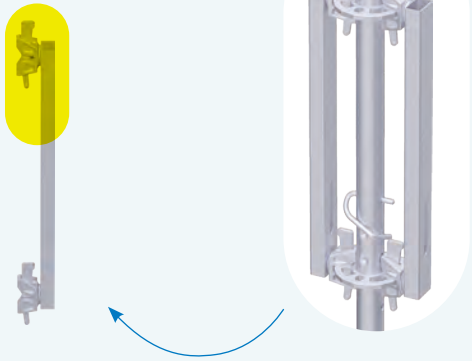
01 Head jack "U"

05 Locking device for base jack



APPLICATION EXAMPLE

4a Suspended scaffolding connector



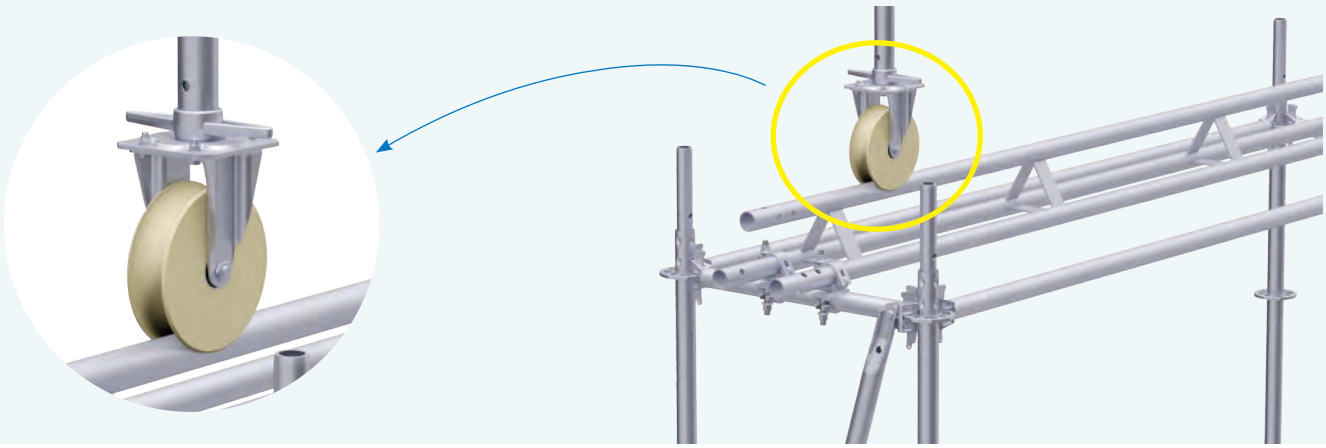
06

07

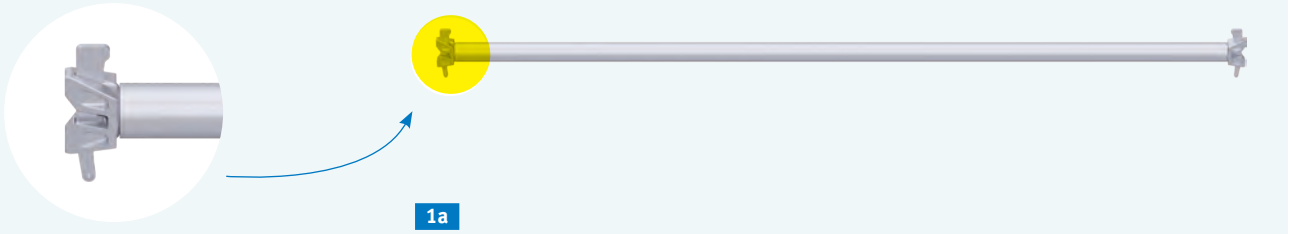
FIG.	DESCRIPTION	SPINDLE TRAVEL max.[m]	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	PRICE [€]
01	**Head jack "U"** ⊕ steel, hot-dip galvanised – opening dimension 174 mm, fork width 160 mm, depth 62 mm – with boreholes for fixing formwork girders	0.45	0.60	6.0	41 59 000	**36.40**
		0.75	1.00	8.0	41 59 100	**51.05**
02	**Base jack** steel, hot-dip galvanised – base plate 15 x 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	**14.40**
		0.45	0.60	3.6	11 51 060	**15.90**
		0.60	0.80	4.4	11 51 080	**22.90**
03	**Base jack, swivelling** steel, hot-dip galvanised	0.45	0.60	4.5	11 52 060	**35.50**
04	**Suspended scaffolding connector** ⊕ steel, hot-dip galvanised – must always be fitted in pairs – for securing the connection of standards	4a	0.60	3.0	48 75 060	**31.40**
	– for a safe connection of stairway tower modules (flight by flight assembly)	4b	0.80	3.6	48 75 080	**31.40**
05	**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	**23.50**
06	**Castor** steel, galvanised, wheel type: plastic ø 200 mm – permissible load 10 kN – wing nut with lock	0.35	0.50	6.5	14 12 007	**128.10**
07	**Flange castor** ⊕ steel, galvanised, wheel type: plastic ø 200 mm – permissible load 7 kN	0.45	0.70	6.7	14 12 005	**235.20**

APPLICATION EXAMPLE

07 Flange castor



HORIZONTAL SUPPORT ELEMENTS / SIDE PROTECTION



1a

1b

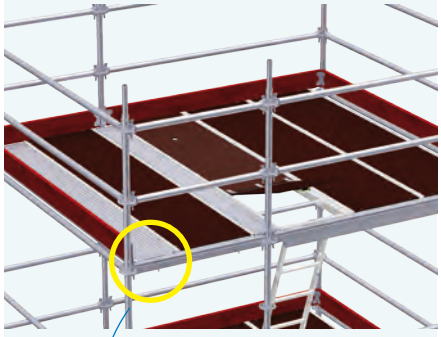
02

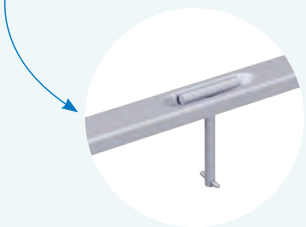
03

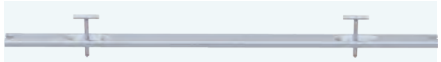
04

APPLICATION EXAMPLE

05 Lift-off preventer







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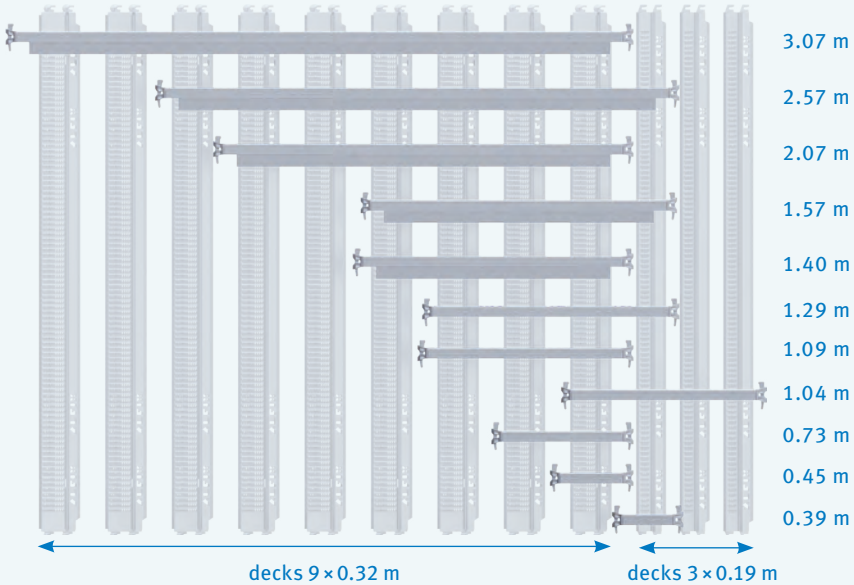


APPLICATION EXAMPLE: U-LEDGER DECK CONFIGURATION

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

Note: Any 2 x 0.32 decks can be replaced by 1 x 0.61 m deck.

NOTE for all ledger types:

WEDGE LOCK CONNECTION

positive and non-positive connections, bolt-free assembly

FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	PRICE [€]
01	**Tube ledger*** steel tube 48.3 mm x 3.2 mm, hot-dip galvanised — 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. 16)	1a Tube ledger	0.36	1.8	40 60 036	**23.00**
			0.39	2.0	40 60 039	**23.00**
			0.45	2.3	40 60 045	**23.00**
			0.73	3.2	40 60 073	**18.50**
			1.04	4.2	40 60 104	**22.10**
			1.09	4.5	40 60 109	**22.10**
			1.29	5.0	40 60 129	**27.10**
			1.40	5.6	40 60 140	**27.10**
			1.57	6.3	40 60 157	**27.10**
			2.07	8.1	40 60 207	**31.70**
			2.57	9.9	40 60 257	**36.10**
			3.07	11.8	40 60 307	**40.70**
			4.14	16.5	40 60 414	**59.50**
		1b Tube ledger, reinforced	1.09	5.9	40 61 109	**46.30**
			1.29	7.1	40 61 129	**39.00**
			1.40	8.0	40 61 140	**54.30**
02	**Double tube ledger*** steel tube 48.3 mm x 3.2 mm, hot-dip galvanised — for higher loads — receiving element for decks with tube suspension and integrated lift-off preventer (see p. 18 - 23)		1.57	9.8	40 61 157	**55.60**
			2.07	12.7	40 61 207	**67.20**
			2.57	16.4	40 61 257	**78.90**
			3.07	19.5	40 61 307	**90.50**
03	**U-ledger*** ⊕ steel, hot-dip galvanised — receiving element for system decks to prevent unintentional lift-off		0.39	1.9	40 65 039	**21.90**
			0.45	2.0	40 65 045	**21.90**
			0.73	3.0	40 65 073	**21.30**
			1.04	4.2	40 65 104	**31.20**
			1.09	4.4	40 65 109	**31.20**
			1.29	5.1	40 65 129	**38.20**
04	**U-ledger, reinforced*** ⊕ steel, hot-dip galvanised		1.40	8.8	40 65 140	**58.10**
			1.57	9.2	40 65 157	**60.00**
			2.07	12.4	40 65 207	**71.80**
			2.57	15.1	40 65 257	**83.20**
			3.07	18.1	40 65 307	**95.00**
05	**Lift-off preventer** ⊕ steel, hot-dip galvanised — Lift-off prevention for decks fitted onto 03 U-ledgers or 04 reinforced U-ledgers. 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).		0.45	0.8	40 98 045	**11.30**
			0.73	1.4	40 98 073	**16.50**
			1.09	1.9	40 98 109	**18.20**
			1.40	2.5	40 98 140	**34.90**
			1.57	2.9	40 98 157	**36.90**
			2.07	3.9	40 98 207	**42.60**
			2.57	4.8	40 98 257	**48.30**
			3.07	5.4	40 98 307	**54.00**

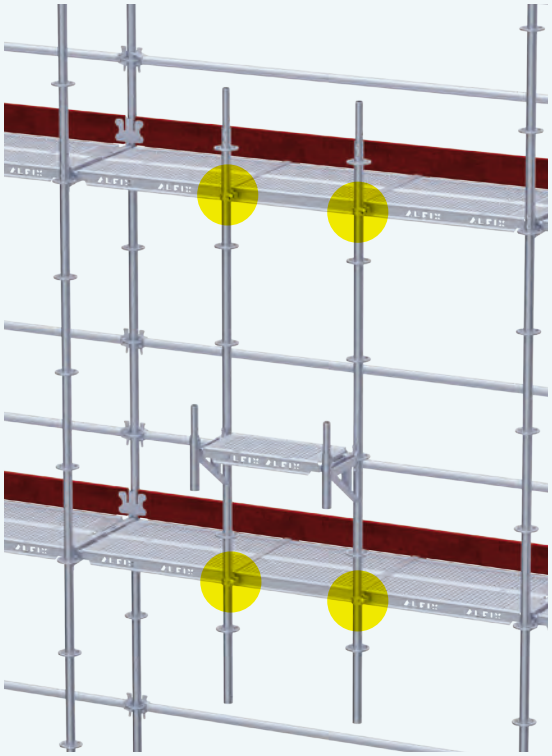
* see page 39 for load-bearing capacites

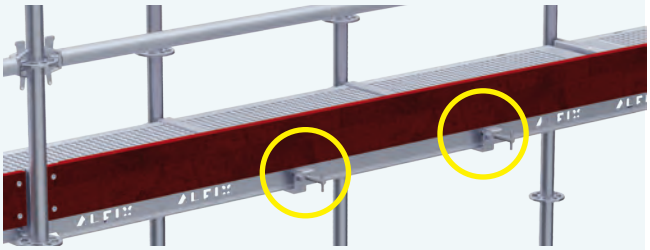
HORIZONTAL SUPPORT ELEMENTS / SIDE PROTECTION

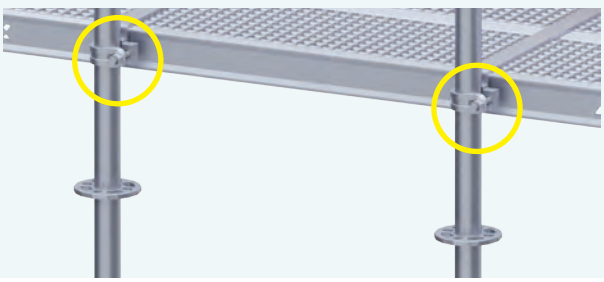
APPLICATION EXAMPLE

04 RECESS BRACKET HOLDER

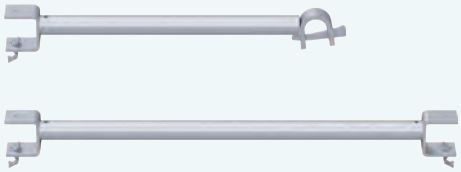
Two recess bracket holders are fitted to the decks of each level by means of a tensioning screw. Recess bracket holders can be used for each deck type. The holders must be arranged such that the niche is closed with a suitable deck and that any remaining gaps must not exceed 30 cm. The recess bracket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







1a

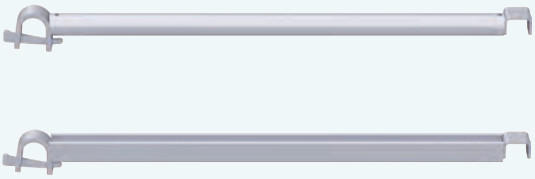


1b

2a

2b

3a



3b

04

05

APPLICATION EXAMPLE

3a System-indpendent deck on **BOARD BEARER**

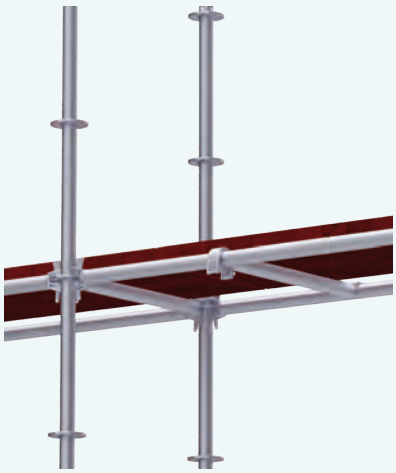
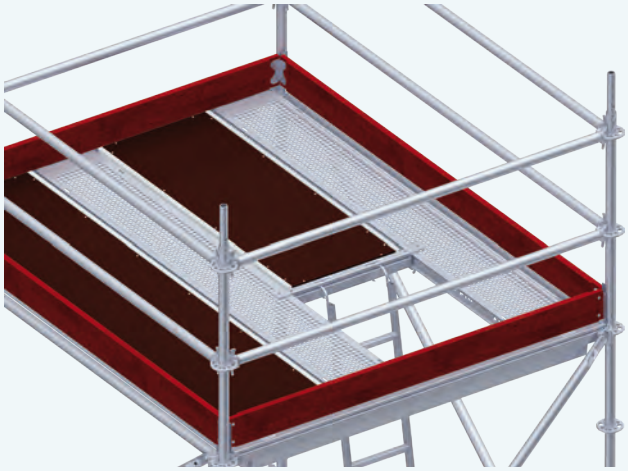
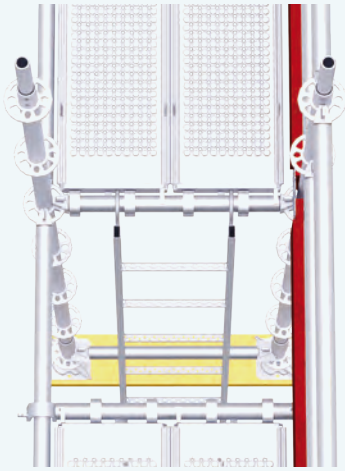


FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	PRICE [€]
01	**Intermediate deck bearer** steel, hot-dip galvanised — for decks with tube fixture	1a ledger to deck version one side with tube ledger suspension / one side with steel deck suspension	0.64	3.9	40 53 064	**29.70**
			0.96	5.1	40 53 096	**33.80**
		1b deck to deck version both sides with steel deck suspension	0.64	4.2	40 51 064	**29.70**
			0.96	5.4	40 51 096	**33.80**
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	**26.80**
			0.64	4.0	40 54 064	**29.70**
			0.96	5.0	40 54 096	**55.90**
		2b deck to deck version ⊕ both sides with steel deck suspension	0.32	3.0	40 52 032	**26.80**
			0.64	4.1	40 52 065	**37.80**
			0.96	5.2	40 52 097	**55.90**
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	**20.60**
			1.09	4.7	40 50 109	**23.50**
			1.57	7.8	40 50 157	**33.30**
			2.07	9.9	40 50 207	**41.10**
			2.57	12.1	40 50 257	**49.10**
			3.07	14.6	40 50 307	**56.40**
		3b U-profile version for system-compatible decks	0.73	3.0	40 55 073	**34.00**
			1.09	4.1	40 55 109	**55.90**
04	**Recess bracket holder** ⊕ with integrated halfcoupler — for all scaffolding systems up to width class W06 and W09		0.70	2.3	14 51 060	**31.55**
			1.00	2.9	14 51 100	**38.10**
05	**Recess bracket starting piece**		0.35	1.7	14 40 000	**6.10**

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

01

02

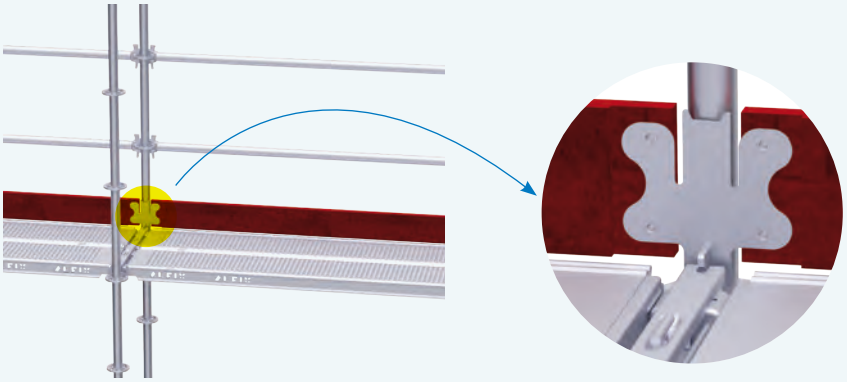
03

04

rolled up guard net system

APPLICATION EXAMPLE

01 **TOEBOARD** on system-compatible decks



05

APPLICATION EXAMPLE
FAÇADE SCAFFOLDING ALFIX MODUL MULTI

01 **TOEBOARD,** wood
04 **GUARD NET SYSTEM**
05 **DOUBLE END GUARDRAIL**

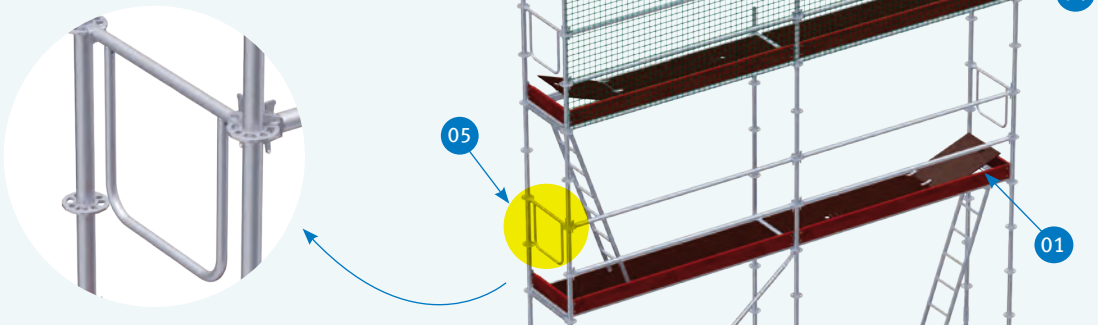


FIG.	DESCRIPTION	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	PRICE [€]
01	**Toeboard, wood** ⊕ with claws, standard height 15 cm — weather-resistant — for use with system decks (U-ledger) and decks with tube fixture — fixture of toeboards between standard and wedge head	0.73	1.6	40 95 073	**13.80**
		1.09	2.3	40 95 109	**14.30**
		1.29	2.7	40 95 129	**21.50**
		1.40	3.0	40 95 140	**14.80**
		1.57	3.3	40 95 157	**15.40**
		2.07	4.2	40 95 207	**16.50**
		2.57	5.3	40 95 257	**17.70**
		3.07	6.3	40 95 307	**18.80**
		4.14	8.1	40 95 414	**32.60**
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	**16.00**
		1.09	2.3	40 96 109	**19.50**
		1.29	2.7	40 96 129	**22.90**
		1.40	2.9	40 96 140	**22.90**
		1.57	3.3	40 96 157	**24.60**
		2.07	4.3	40 96 207	**29.10**
		2.57	5.3	40 96 257	**34.30**
		3.07	6.3	40 96 307	**39.40**
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	**13.80**
		1.04	2.4	40 97 104	**14.30**
		1.09	2.5	40 97 109	**14.30**
		1.29	2.9	40 97 129	**21.50**
		1.40	3.1	40 97 140	**14.80**
		1.57	3.5	40 97 157	**15.40**
		2.07	4.5	40 97 207	**16.50**
		2.57	5.5	40 97 257	**17.70**
		3.07	6.5	40 97 307	**18.80**
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	**146.45**
		2.57	14.0	40 76 257	**172.60**
		3.07	15.0	40 76 307	**186.15**
05	**Double end guardrail** steel tube ø 33.7 mm, hot-dip galvanised — for use as end side protection for façade scaffolding	0.73	3.5	40 62 073	**43.50**
		1.09	4.2	40 62 109	**44.10**

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

HORIZONTAL SUPPORT ELEMENTS / SIDE PROTECTION

1b

02

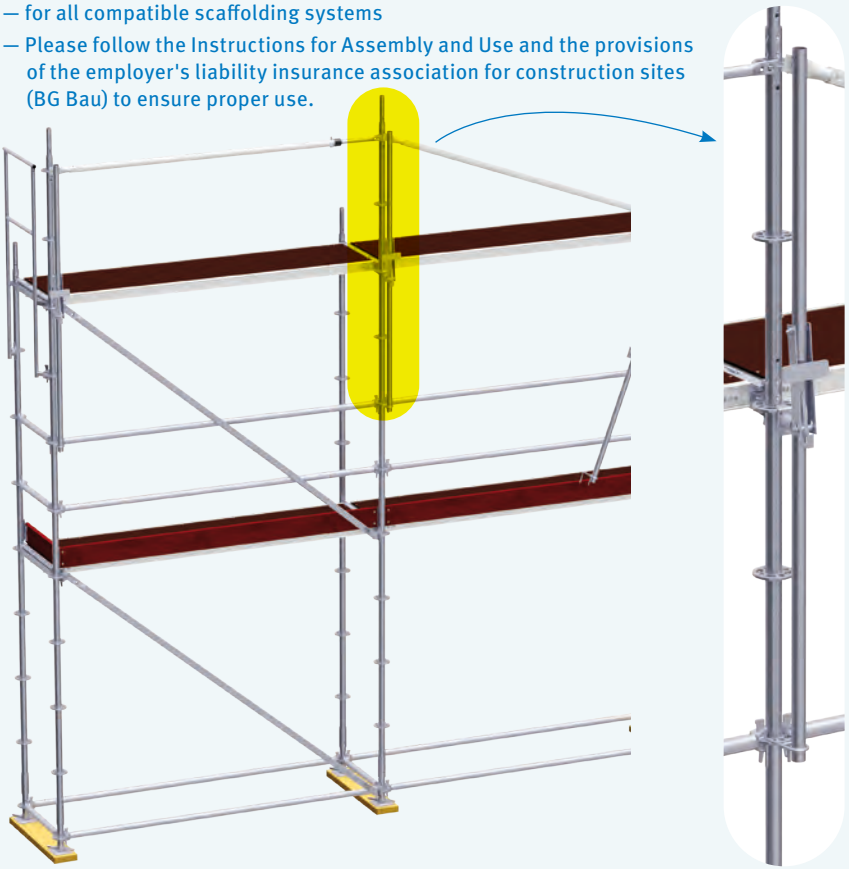
03

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.



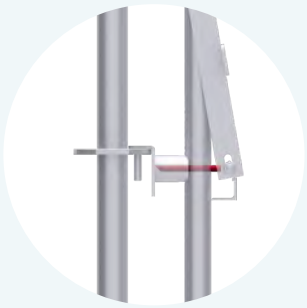
05

FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	PRICE [€]
01	**Safety helmet with chin strap**	1a white		0,4	37 50 018	**73.85**
		1b yellow		0,4	37 50 024	**73.85**
02	**Ratchet spanner holster** — with Pivot Link™ attachment point for secure attachment to the safety harness				37 50 017	**17.15**
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	**308.45** Special net price
04	**Advanced guardrail post** ⊕ steel, hot-dip galvanised			6,8	40 78 000	**64,45**
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	**54.25** Special net price

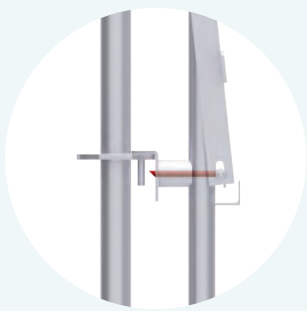
APPLICATION EXAMPLE

04 ADVANCED GUARDRAIL POST

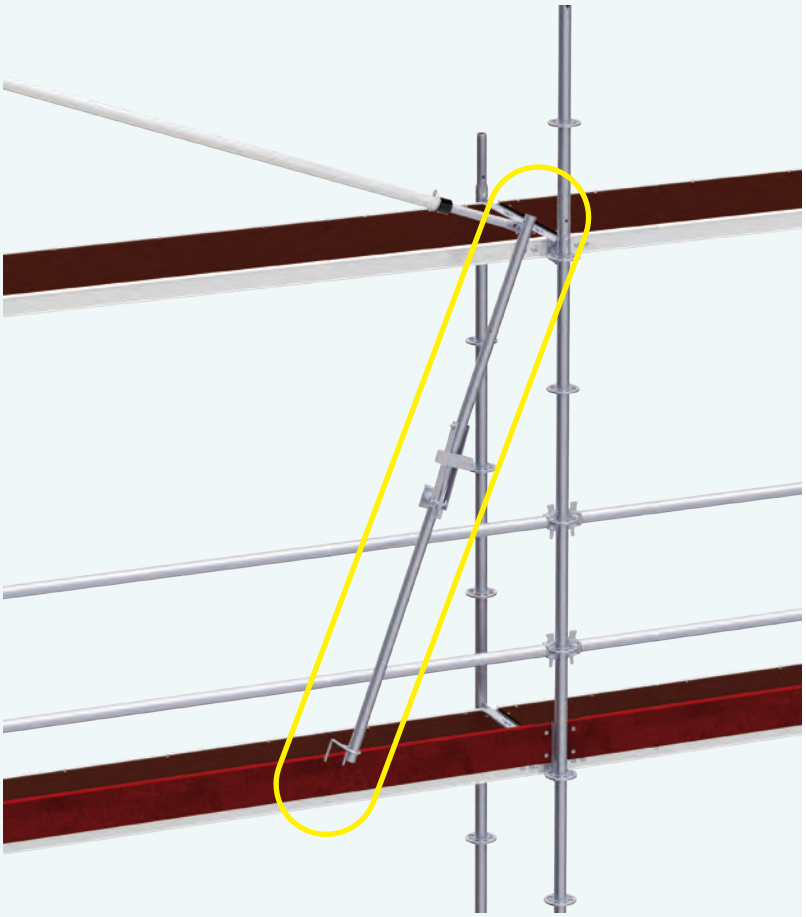
— self-locking function
— with convenient foot release mechanism



unlocked

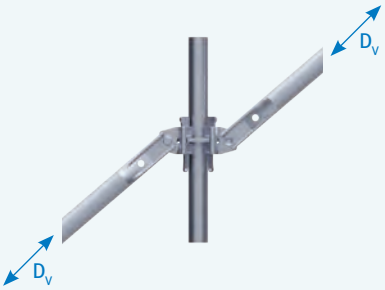


locked



DIAGONAL BRACING

Vertical diagonal braces



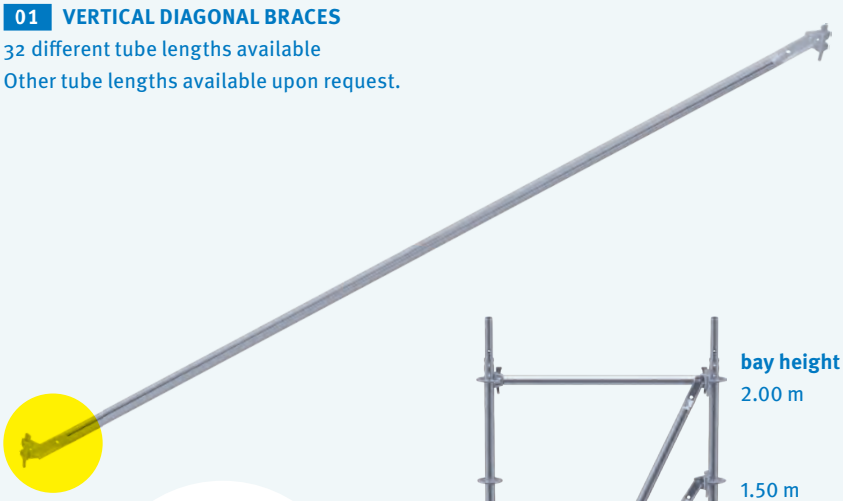
Different bay lengths
Colour code indication of bay length:

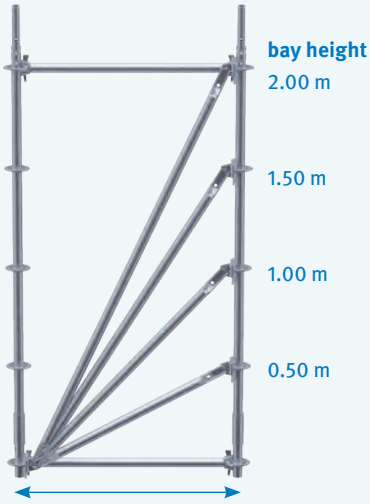
0.73 m	1.09 m	1.29 m	1.40 m
1.57 m	2.07 m	2.57 m	3.07 m

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.

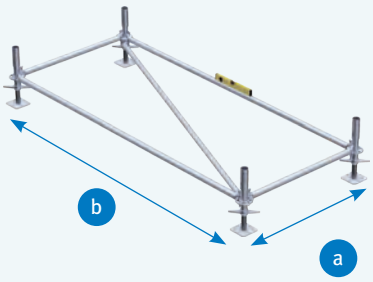




bay length
0.73 m; 1.09 m; 1.29 m; 1.40 m;
1.57 m; 2.07 m; 2.57 m; 3.07 m

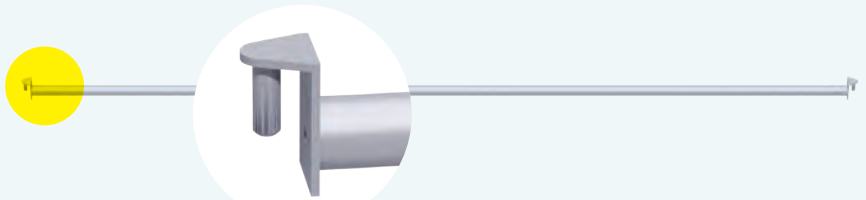
Stickers on tube ledgers for quick and easy indication of bay length and on diagonal braces for specifying bay length and installation height.

Horizontal diagonal braces



serves to brace horizontal levels in scaffolding / birdcage scaffolding

a 0.73 – 3.07 m
b 0.73 – 3.07 m



02

03

FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	PRICE [€]
01	**Vertical diagonal brace*** steel tube 48.3 mm x 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	**36.90**
			1.09	7.8	40 22 200	**37.60**
			1.40	8.3	40 23 200	**38.10**
			1.57	8.8	40 24 200	**38.70**
			2.07	9.7	40 25 200	**40.30**
			2.57	10.9	40 26 200	**43.10**
			3.07	12.2	40 27 200	**45.90**
		for bay height 1.50 m	1.57	7.7	40 24 150	**41.10**
			2.07	8.8	40 25 150	**42.70**
			2.57	10.0	40 26 150	**45.30**
			3.07	11.0	40 27 150	**48.70**
		for bay height 1.00 m	1.57	6.5	40 24 100	**39.60**
			2.07	7.8	40 25 100	**41.40**
			2.57	9.0	40 26 100	**44.20**
			3.07	10.3	40 27 100	**47.60**
		for bay height 0.50 m	1.57	6.0	40 24 050	**38.70**
			2.07	7.4	40 25 050	**40.20**
			2.57	8.8	40 26 050	**43.00**
	Custom dimensions available		3.07	10.0	40 27 050	**46.20**
02	**Horizontal diagonal brace** ⊕ steel tube 42.4 mm x 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	**47.00**
			1.09	5.0	40 45 109	**51.10**
		for bay length 2.57 m	0.73	6.0	40 46 073	**54.90**
			1.09	6.3	40 46 109	**55.40**
		for bay length 3.07 m	0.73	6.6	40 47 073	**59.00**
			1.09	7.8	40 47 109	**60.00**
03	**Horizontal diagonal ledger** steel tube 48.3 mm x 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	**42.30**
			2.07 × 2.07	10.8	40 45 208	**52.60**
			2.57 × 2.57	13.3	40 46 258	**62.90**
			3.07 × 3.07	15.5	40 47 308	**73.20**

* see page 39 for permissible loads

SCAFFOLDING DECKS / ACCESS DECKS

01

02

03

04

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06

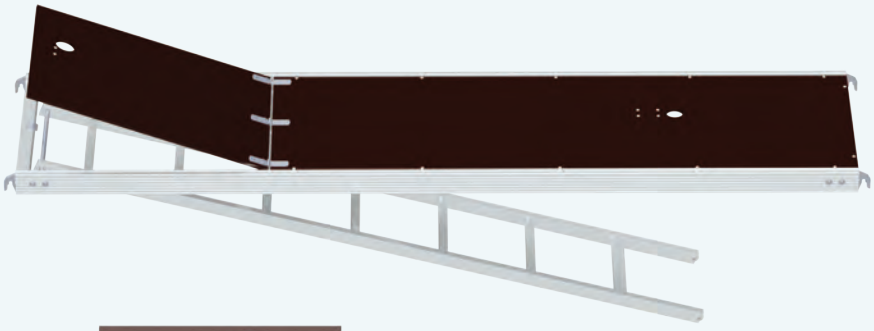
07

FIG.	DESCRIPTION	LOAD CLASS*	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	PRICE [€]
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	**47.60**
		6	1.09 × 0.32	8.1	12 21 109	**48.50**
		6	1.40 × 0.32	10.0	12 21 140	**49.90**
		6	1.57 × 0.32	11.4	12 21 157	**49.90**
		6	2.07 × 0.32	13.7	12 21 207	**55.90**
		5	2.57 × 0.32	17.1	12 21 257	**64.60**
		4	3.07 × 0.32	20.5	12 21 307	**73.30**
		3	4.14 × 0.32	32.1	12 21 414	**146.20**
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	**48.30**
		6	1.09 × 0.32	8.6	40 20 109	**48.90**
		6	1.40 × 0.32	10.5	40 20 140	**57.50**
		6	1.57 × 0.32	11.9	40 20 157	**55.80**
		6	2.07 × 0.32	14.2	40 20 207	**63.90**
		5	2.57 × 0.32	17.6	40 20 257	**72.70**
		4	3.07 × 0.32	20.9	40 20 307	**82.40**
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	**28.50**
		6	1.09 × 0.32	8.6	12 31 109	**29.70**
		6	1.57 × 0.32	11.0	12 31 157	**40.55**
		5	2.07 × 0.32	14.5	12 31 207	**47.85**
		4	2.57 × 0.32	18.6	12 31 257	**53.50**
		3	3.07 × 0.32	23.0	12 31 307	**61.35**
04	**Frame platform, 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	3	1.57 × 0.60	11.5	12 01 157	**109.60**
		3	2.07 × 0.60	14.5	12 01 207	**122.30**
		3	2.57 × 0.60	17.6	12 01 257	**139.50**
		3	3.07 × 0.60	20.7	12 01 307	**165.10**
		3	4.14 × 0.32	19.1	12 01 414	**171.85**
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	**133.00**
		3	2.07 × 0.60	16.3	41 60 207	**148.70**
		3	2.57 × 0.60	19.4	41 60 257	**169.10**
		3	3.07 × 0.60	22.5	41 60 307	**194.40**
		3	4.14 × 0.32	20.7	41 61 414	**198.40**
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	**84.80**
		6	1.57 × 0.32	6.5	12 11 157	**93.50**
		6	2.07 × 0.32	8.4	12 11 207	**110.30**
		5	2.57 × 0.32	10.3	12 11 257	**126.50**
		4	3.07 × 0.32	12.2	12 11 307	**145.80**
		3	4.14 × 0.32	16.3	12 11 414	**192.90**
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	11.7	12 13 157	**130.20**
		4	2.07 × 0.60	15.2	12 13 207	**157.70**
		4	2.57 × 0.60	18.2	12 13 257	**186.30**
		3	3.07 × 0.60	22.0	12 13 307	**211.60**

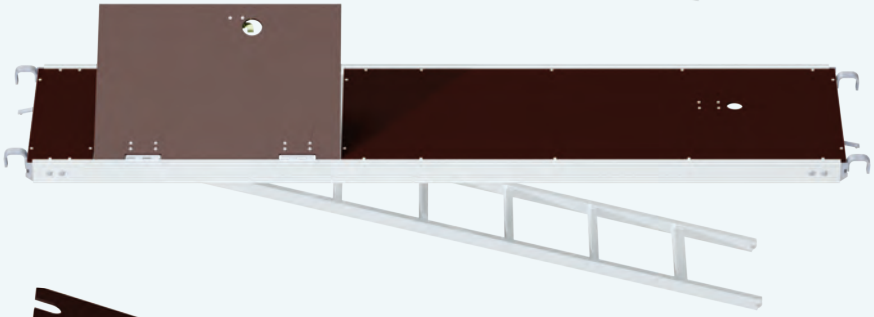
* see page 40 for assignment of decking to load classes

SCAFFOLDING DECKS / ACCESS DECKS

1a



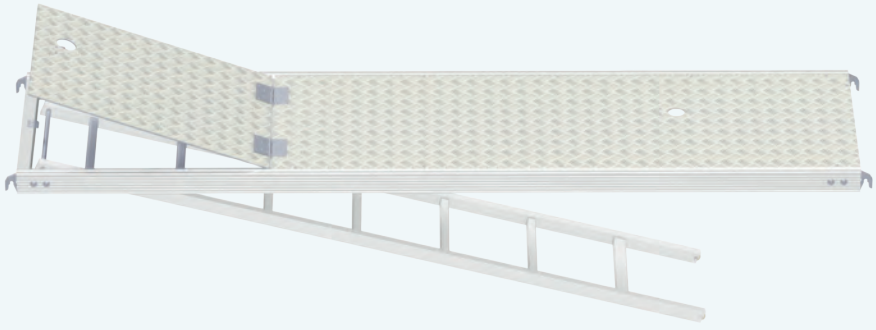
1b



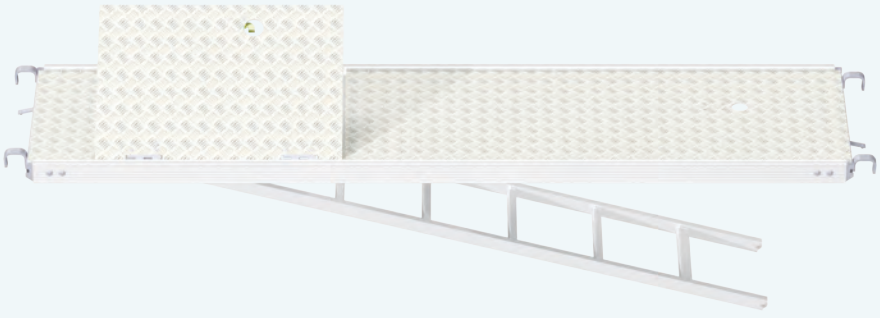
1c

1d

2a

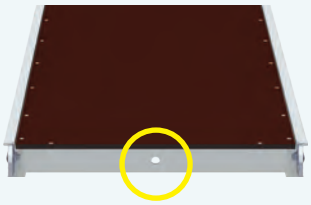


2b



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 32/33), particularly suitable for ladder access ≤ 2.07 m

FIG.	DESCRIPTION	LOAD CLASS*	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	PRICE [€]
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	3	2.57 × 0.60	24.0	12 04 257	**262.10**
	– with system fixture	3	3.07 × 0.60	27.0	12 04 307	**299.00**
1b	Version with tube fixture and integrated ladder	3	2.57 × 0.60	28.5	41 63 257	**264.00**
	– with tube fixture and lift-off preventer – hatch offset, with tread	3	3.07 × 0.60	31.5	41 63 307	**300.20**
1c	Version without ladder	3	2.07 × 0.60	17.0	12 05 207	**192.90**
	– with system fixture	3	2.57 × 0.60	22.0	12 05 257	**210.40**
	– with fitting for storey ladders (see pages 32/33)	3	3.07 × 0.60	22.0	12 05 307	**243.60**
1d	Version with tube fixture, without ladder	3	1.57 × 0.60	16.2	41 63 158	**219.50**
	– with tube fixture and lift-off preventer	3	2.07 × 0.60	19.0	41 63 208	**234.40**
	– hatch offset, with tread	3	2.57 × 0.60	25.0	41 63 258	**251.80**
	– with fitting for storey ladders (see pages 32/33)	3	3.07 × 0.60	28.0	41 63 308	**281.70**
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	3	2.57 × 0.60	25.5	12 07 257	**309.40**
	– with system fixture	3	3.07 × 0.60	29.5	12 07 307	**345.30**
2b	Version with tube fixture and integrated ladder	3	2.57 × 0.60	29.0	41 67 257	**328.10**
	– hatch offset, with tread – with tube fixture and lift-off preventer	3	3.07 × 0.60	32.0	41 67 307	**362.40**
2c	Version without ladder	3	2.07 × 0.60	18.0	12 08 207	**215.90**
	– with fitting for storey ladders (see pages 32/33) (not shown)	3	2.57 × 0.60	22.0	12 08 257	**252.90**
		3	3.07 × 0.60	25.5	12 08 307	**287.60**

* see page 40 for assignment of decking to load classes

APPLICATION EXAMPLE 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 accomodate the first storey level.

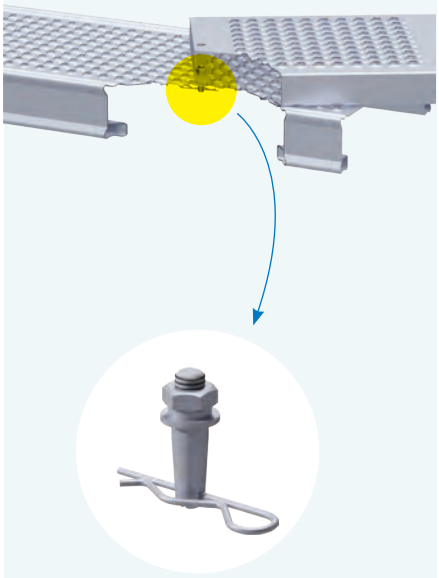
DETAIL: ACCESS DECK (CHEQUER PLATE DECKING)

Hatch latching

Ladder latching

SCAFFOLDING DECKS / ACCESS DECKS

APPLICATION EXAMPLE
04 STEEL PLANK
with locking pin and spring clip



easily stackable

01

02

03

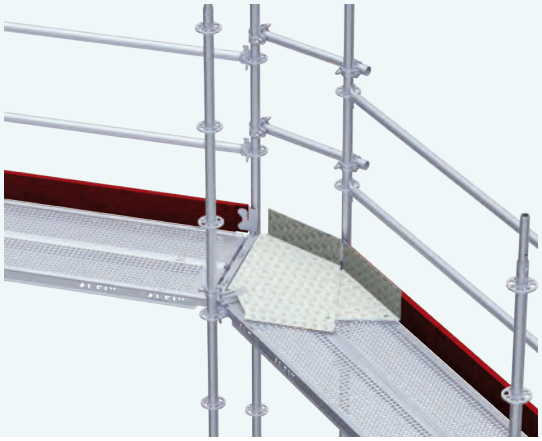
04

05

06

07

APPLICATION EXAMPLE
06 CORNER DECK, ADJUSTABLE



APPLICATION EXAMPLE
07 CORNER DECK

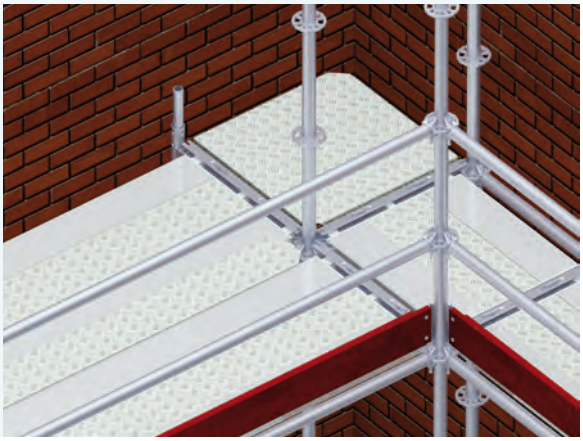
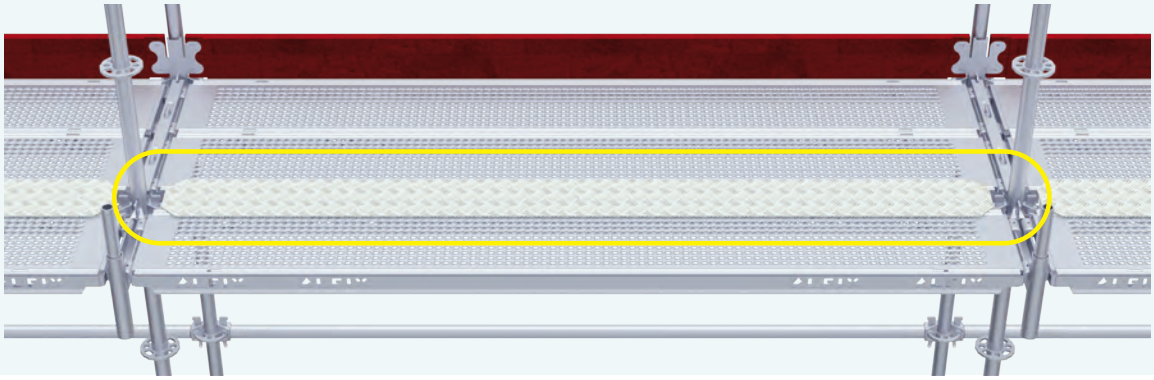


FIG.	DESCRIPTION	LOAD CLASS*	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	PRICE [€]
01	**Intermediate deck, steel** hot-dip galvanised — as spacing deck in case of different bay widths — mainly used in birdcage scaffolding	6	1.57 × 0.19	8.6	12 25 157	**42.60**
		6	2.07 × 0.19	11.2	12 25 207	**49.60**
		5	2.57 × 0.19	13.9	12 25 257	**58.00**
		4	3.07 × 0.19	16.5	12 25 307	**67.30**
02	**Intermediate deck with tube fixture, steel** — with tube fixture and lift-off preventer	6	1.57 × 0.19	9.2	40 30 157	**50.60**
		6	2.07 × 0.19	11.8	40 30 207	**56.50**
		5	2.57 × 0.19	14.5	40 30 257	**65.20**
		4	3.07 × 0.19	17.1	40 30 307	**74.30**
03	**Gap cover** ⊕ aluminium chequer plate, for system decks — for covering construction-related gaps — 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	**30.55**
			1.57 × 0.19	3.0	40 32 157	**36.55**
			2.07 × 0.19	4.0	40 32 207	**44.85**
			2.57 × 0.19	5.1	40 32 257	**49.30**
			3.07 × 0.19	6.1	40 32 307	**58.25**
04	**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	6	1.00 × 0.30	5.5	12 24 100	**55.35**
		6	1.50 × 0.30	8.0	12 24 150	**65.90**
		5	2.00 × 0.30	10.5	12 24 200	**75.30**
		3	2.50 × 0.30	12.8	12 24 250	**85.50**
05	**Spring clip** steel, zinc-plated — spare part for pos. 4			0.03	73 04 006	**1.10**
06	**Corner deck, adjustable** ⊕ aluminium, chequer plate decking, with toeboard — for angles from 45°-90°		0.60	10.6	40 91 001	**319.10**
07	**Corner deck** ⊕ steel, hot-dip galvanised — ideal construction component for internal corners		0.39 × 0.39	6.9	40 91 039	**65.20**
			0.73 × 0.73	20.2	40 91 073	**159.55**

* see page 40 for assignment of decking to load classes

APPLICATION EXAMPLE 03 GAP COVER

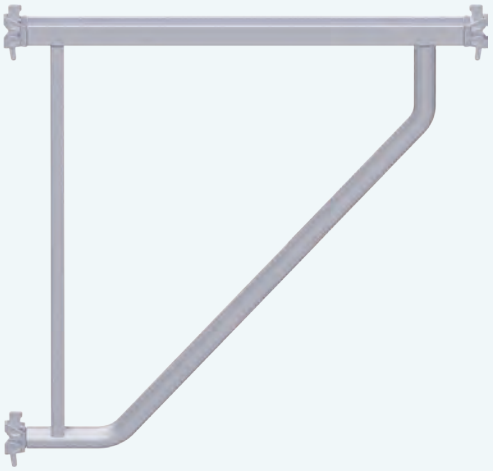


BRACKETS

1c

1d

02



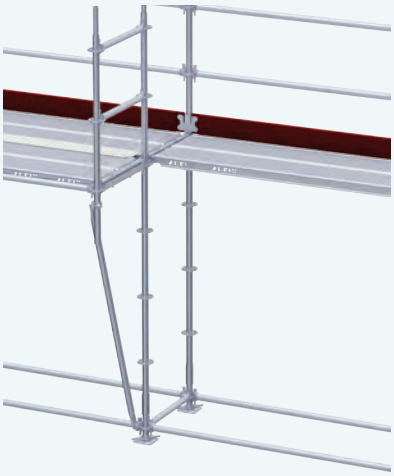
03

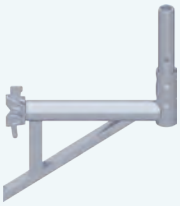
04

APPLICATION EXAMPLE

04 BRACKET BRACE

for creating projections as an alternative to brackets

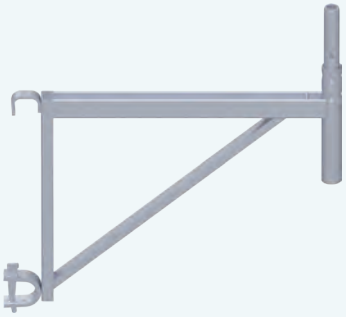




5a

5b

6a

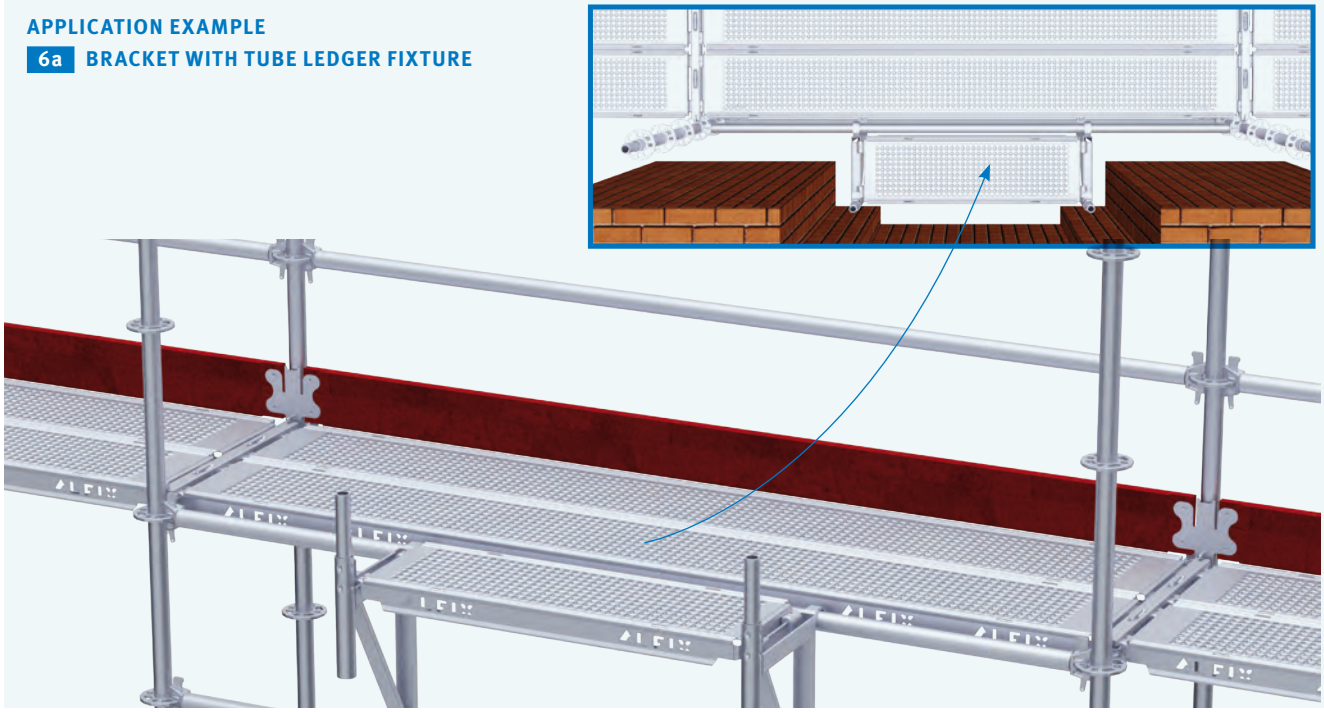


6b

FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	PRICE [€]
01	**Bracket** steel, hot-dip galvanised — for widening scaffolding bays / converting projecting building parts — with U-profile for system decks — see pages 8/9 for respective lift-off preventer	1a (not shown)	0.28	3.0	40 10 011	**33.30**
		1b (not shown)	0.36	3.9	40 10 000	**30.80**
		1c	0.39	3.9	40 10 008	**30.80**
		1d	0.73	6.4	40 10 006	**36.20**
02	**Bracket with 2 wedge-heads** steel, hot-dip galvanised		0.73	5.5	40 10 014	**40.30**
03	**Bracket** steel, hot-dip galvanised — for widening scaffolding bays / converting projecting building parts — with U-profile for system decks — see pages 8/9 for respective lift-off preventer		1.09	12.0	40 10 012	**76.10**
04	**Bracket brace** ⊕ steel, hot-dip galvanised — for bracket support — fitted in the rosette on the standard		2.05	7.5	40 10 205	**47.50**
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	**36.90**
		5b	0.73	5.8	40 10 013	**38.00**
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	**51.40**
		6b	0.73	7.5	40 10 035	**54.20**

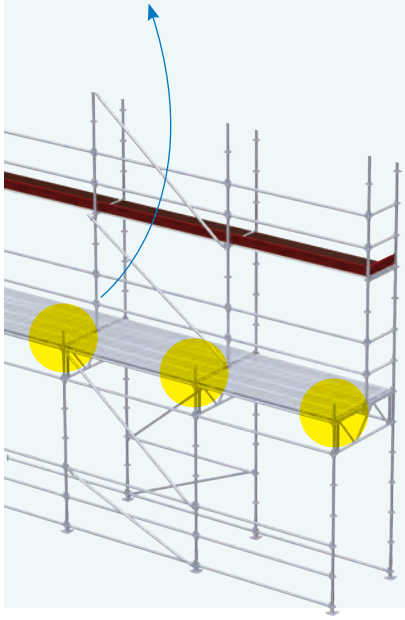
APPLICATION EXAMPLE

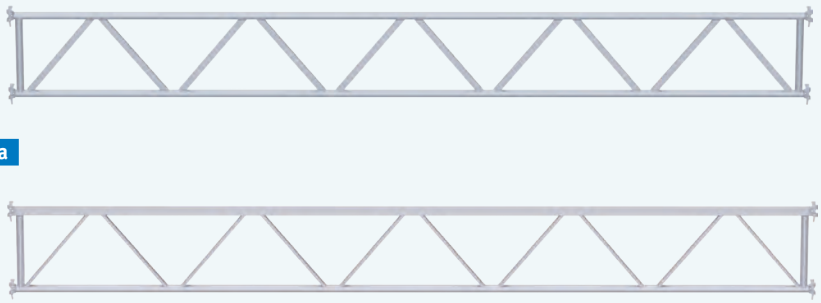
6a BRACKET WITH TUBE LEDGER FIXTURE



LATTICE GIRDERS

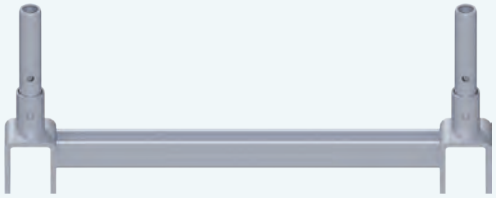
APPLICATION EXAMPLE
03 TUBE CONNECTOR
for U 2-deck bearer for constructing pedestrian passages (various passage widths)





1a

1b



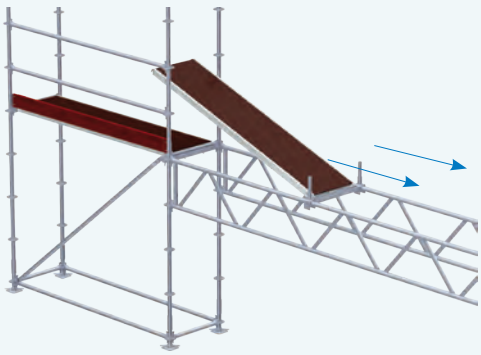
02

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)

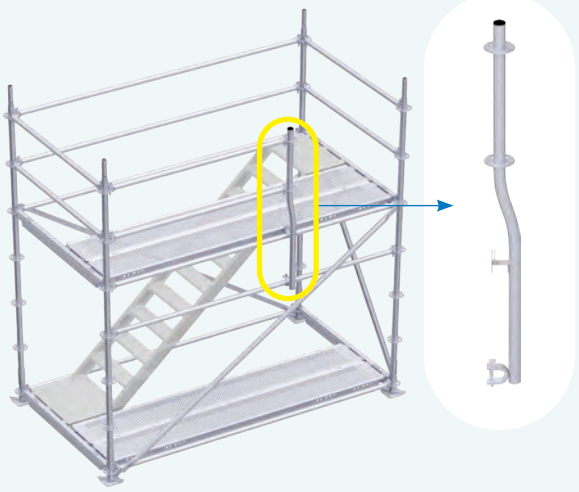
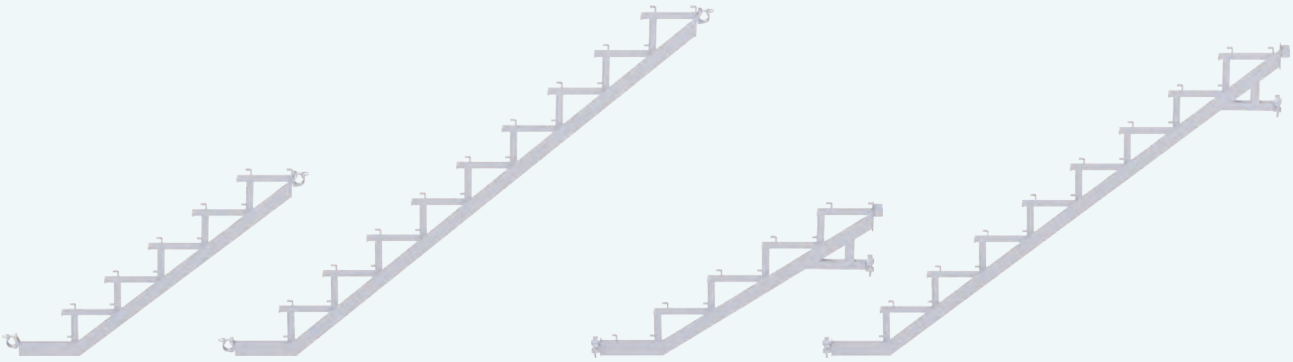


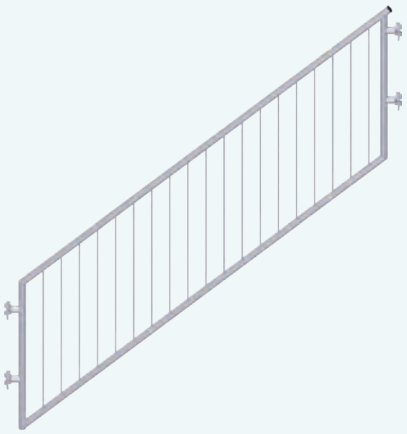
FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	PRICE [€]
01	**Lattice girder*** ⊕ steel, hot-dip galvanised — available in all system lengths from 1.57 m to 7.71 m — used for bridging or to construct areal scaffolding — for direct connection to the rosette with 4 wedge heads — lattice girder with welded-on tube connector available upon request — see pages 36/37 for respective safety bolts (accessories)					
	1a Lattice girder — for decks with tube fixture — top and bottom chord: steel tube 48.3 mm		2.07	25.2	40 70 207	**132.10**
			2.57	30.2	40 70 257	**148.10**
			3.07	35.3	40 70 307	**169.40**
			4.14	46.0	40 70 415	**209.90**
			5.14	50.0	40 70 515	**254.60**
			6.21	62.5	40 70 622	**288.80**
			7.71	77.1	40 70 772	**352.20**
	1b U-lattice girder — top chord for suspending system decks — bottom chord: steel tube 48.3 mm		2.07	25.4	40 71 207	**156.60**
			2.57	29.3	40 71 257	**167.90**
			3.07	31.2	40 71 307	**190.80**
			4.14	40.5	40 71 414	**234.20**
			5.14	50.9	40 71 514	**282.50**
			6.14	61.1	40 71 614	**319.40**
			7.71	75.9	40 71 771	**409.20**
02	**Lattice girder cross brace** ⊕ steel, hot-dip galvanised — suitable for lattice girders / U-lattice girders — for bridging in the MODUL façade scaffolding — lift-off prevention by means of safety bolts — see pages 8/9 for respective lift-off preventer — flexible alternative to lattice girders with welded-on tube connectors		0.73	7.1	40 73 073	**49.95**
			1.09	8.2	40 73 109	**66.45**
03	**Tube connector for U 2-deck bearer and tube fixture** incl. linchpin ⊕ steel, hot-dip galvanised — for fitting onto U-profiles or tubes — lift-off prevention with safety bolt		0.4	2.1	41 51 002	**38.00**
04	**Tube connector for lattice girder** steel, hot-dip galvanised — for use on tube ledgers or lattice girders with top chord for variable arrangement of standards	4a with coupler	0.3	1.6	41 51 001	**21.20**
		4b with bended profile coupler	0.3	1.5	41 51 007	**23.50**
05	**Guardrail standard (with tube fixture)** ⊕ steel, hot-dip galvanised — for attaching tube ledgers as side protection whilst simultaneously allowing for a passage — with welded-on toeboard support		1.65	8.1	41 36 165	**47.50**

* * 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



1a 1.57 × 1.00 m 2.57 × 2.00 m **1b** 1.57 × 1.00 m 2.57 × 2.00 m



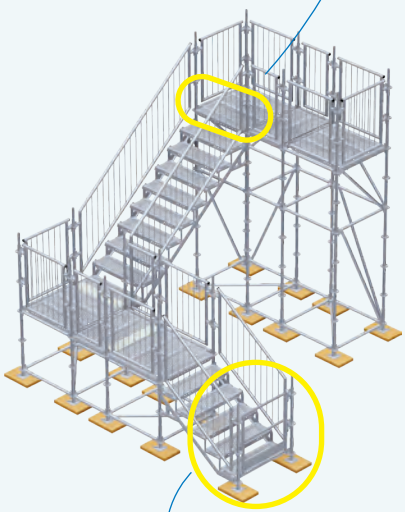
02

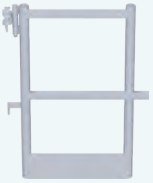
03

04

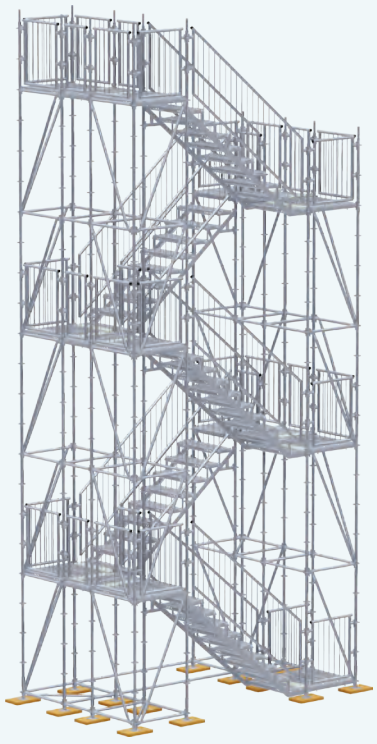
APPLICATION EXAMPLE

04 Ledger with gap cover
05 Swing door



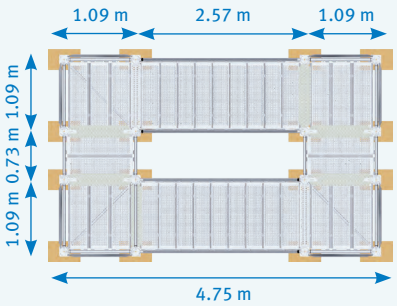


05



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



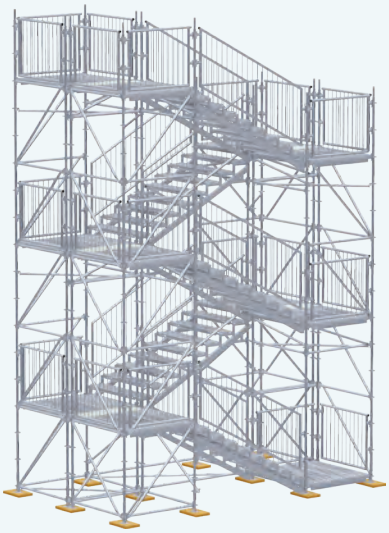
For further information on stairways and stairway accessories please refer to the ALFIX MODUL MULTI stairway tower brochure.

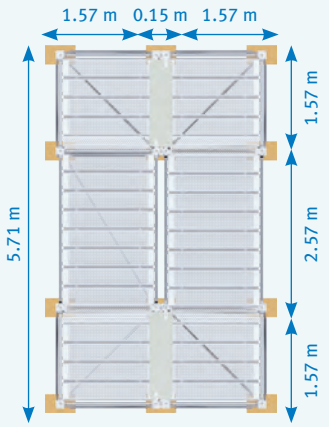
FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	PRICE [€]
01	**Stairway stringer** steel, hot-dip galvanised, for accommodating system decks					
	1a with halfcoupler	left	1.57 × 1.00	17.1	41 07 054L	**232.20**
	— permissible load: 200 kg/m² (load class 3)	right	1.57 × 1.00	17.1	41 07 054R	**232.20**
		left	2.57 × 1.50	29.6	41 07 058L	**263.70**
		right	2.57 × 1.50	29.6	41 07 058R	**263.70**
		left	2.57 × 2.00	28.1	41 07 060L	**296.65**
		right	2.57 × 2.00	28.1	41 07 060R	**296.65**
	1b with wedge-heads	left	1.57 × 1.00	16.1	41 07 053L	**238.70**
	— permissible load: 500 kg/m² (load class 5)	right	1.57 × 1.00	16.1	41 07 053R	**238.70**
		left	2.57 × 1.50	29.3	41 07 059L	**355.55**
		right	2.57 × 1.50	29.3	41 07 059R	**355.55**
		left	2.57 × 2.00	27.3	41 07 061L	**303.10**
		right	2.57 × 2.00	27.3	41 07 061R	**303.10**
02	**Stair guardrail, with child protection** steel, hot-dip galvanised		1.57 × 1.00	26.2	41 36 102	**284.00**
			1.57 × 1.50	36.0	41 36 103	**322.35**
	— for installation in a stairway tower up to 500 kg/m², with vertical rods		2.57 × 1.50	42.5	41 36 163	**331.55**
	— further dimensions available upon request		2.57 × 2.00	42.8	41 36 202	**345.70**
	— for use in escape stairway towers or similar building projects in public areas					
03	**Guardrail, with child protection** steel, hot-dip galvanised		0.73 × 1.10	14.3	41 40 073	**123.30**
			1.09 × 1.10	18.5	41 40 109	**165.20**
	— for use in escape stairway towers 500 / 750 kg/m² or similar building projects in public areas		1.57 × 1.10	24.3	41 40 157	**197.90**
	— with vertical rods		2.07 × 1.10	29.8	41 40 207	**226.10**
			2.57 × 1.10	35.9	41 40 257	**258.60**
			3.07 × 1.10	41.4	41 40 307	**291.80**
04	**Ledger with gap cover** ⊕ steel, hot-dip galvanised		0.73 × 0.16	5.5	40 20 077	**65.20**
			1.09 × 0.16	6.8	40 20 113	**73.20**
	— to be used when using the stair stringer of 500 kg/m² at the upper transition platform		1.57 × 0.16	9.3	40 20 161	**84.00**
	— to be used when using the stair stringer of 750 kg/m² at the upper and lower transitions to the platform		2.07 × 0.16	10.5	40 20 211	**103.90**
			2.57 × 0.16	12.3	40 20 261	**125.70**
			3.07 × 0.16	14.1	40 20 311	**137.30**
05	**Swing door** ⊕ steel, hot-dip galvanised		0.70	11.8	40 77 073	**117.50**
			1.00	13.8	40 77 109	**121.80**
	— with locking mechanism					
	— for securing accesses, e.g. in stairway towers					

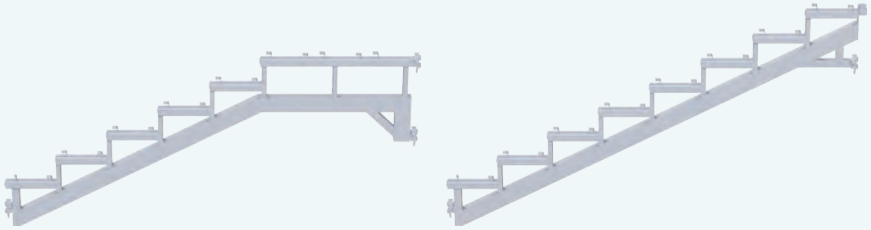
STAIRWAYS / LADDERS / GUARDRAILS

APPLICATION EXAMPLE
ESCAPE STAIRWAY TOWER 500 kg / 750 kg

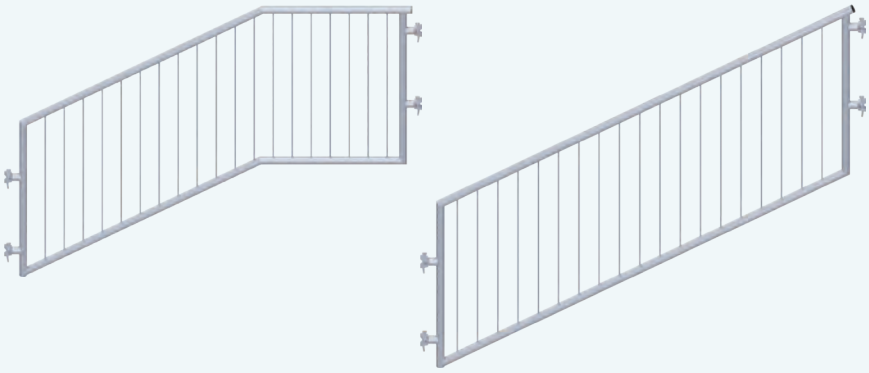
- 16-standard stairway tower with stairway stringers for fixing system decks (e.g. steel decks)
- variable stairway width (max. 1.57 m for reasons of stability)
- 9-step, riser 17 cm / 8 decks per standard stairway
- permissible load: 7.5 kN/m²







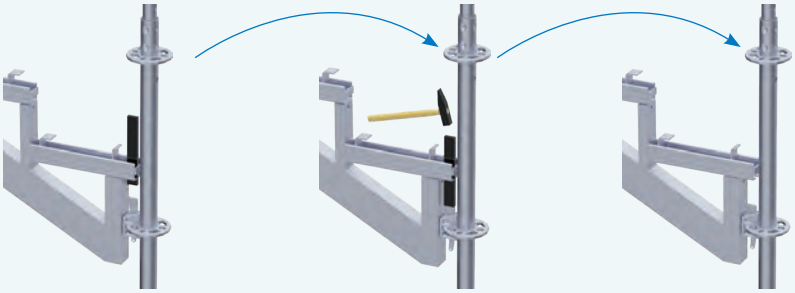
01 2.57 × 1.00 m — 2.57 × 1.50 m



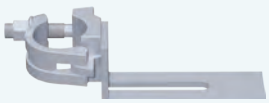
02 2.57 × 1.00 m — 2.57 × 1.50 m

03

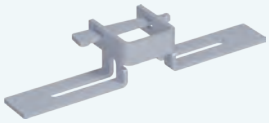
04



ASSEMBLY NOTICE FOR THE 01 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.



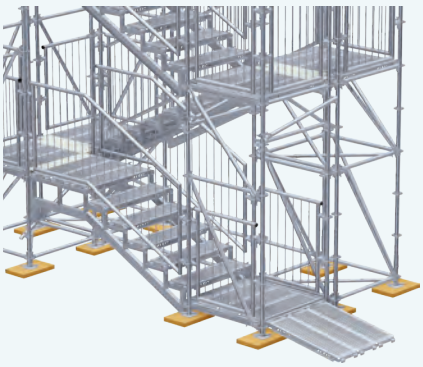
05



06

FIG.	DESCRIPTION	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	PRICE [€]
01	**Stairway stringer** ⊕ steel, hot-dip galvanised — with wedge-heads — max. load-bearing capacity 750 kg/m² — 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	**252.40**
		2.57 × 1.00	45.4	41 07 063	**283.55**
		2.57 × 1.50	44.4	41 07 065	**350.90**
02	**Stair guardrail, with child protection** steel, hot-dip galvanised — for installation in a stairway tower up to 750 kg/m² — 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	**279.40**
		2.57 × 1.00	40.1	41 36 162	**279.40**
		2.57 × 1.50	41.6	41 36 182	**333.60**
03	**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	**67.70**
		1.57 × 0.40	8.5	40 33 157	**56.45**
		2.07 × 0.40	11.5	40 33 207	**74.45**
04	**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	**39.80**
		1.57 × 0.19	3.5	40 34 157	**48.25**
		2.07 × 0.19	4.7	40 34 207	**56.75**
05	**Clamp coupler, universal design** ⊕ steel, hot-dip galvanised, wrench size 19	0.20	1.1	13 17 019	**21.35**
06	**Double clamp coupler with wedge** steel, hot-dip galvanised — to secure both sides of the gap cover		1.2	13 17 030	**21.05**

APPLICATION EXAMPLE: STAIRWAY TOWER
with starting height 1 m
(adjusted to the ground with system decks)



APPLICATION EXAMPLE

03 GAP COVER FOR DOUBLE STANDARD
05 CLAMP COUPLER (UNIVERSAL DESIGN) AS LIFT-OFF PREVENTION
a GAP COVER, SEE PAGES 22/23

STAIRWAYS / LADDERS / GUARDRAILS

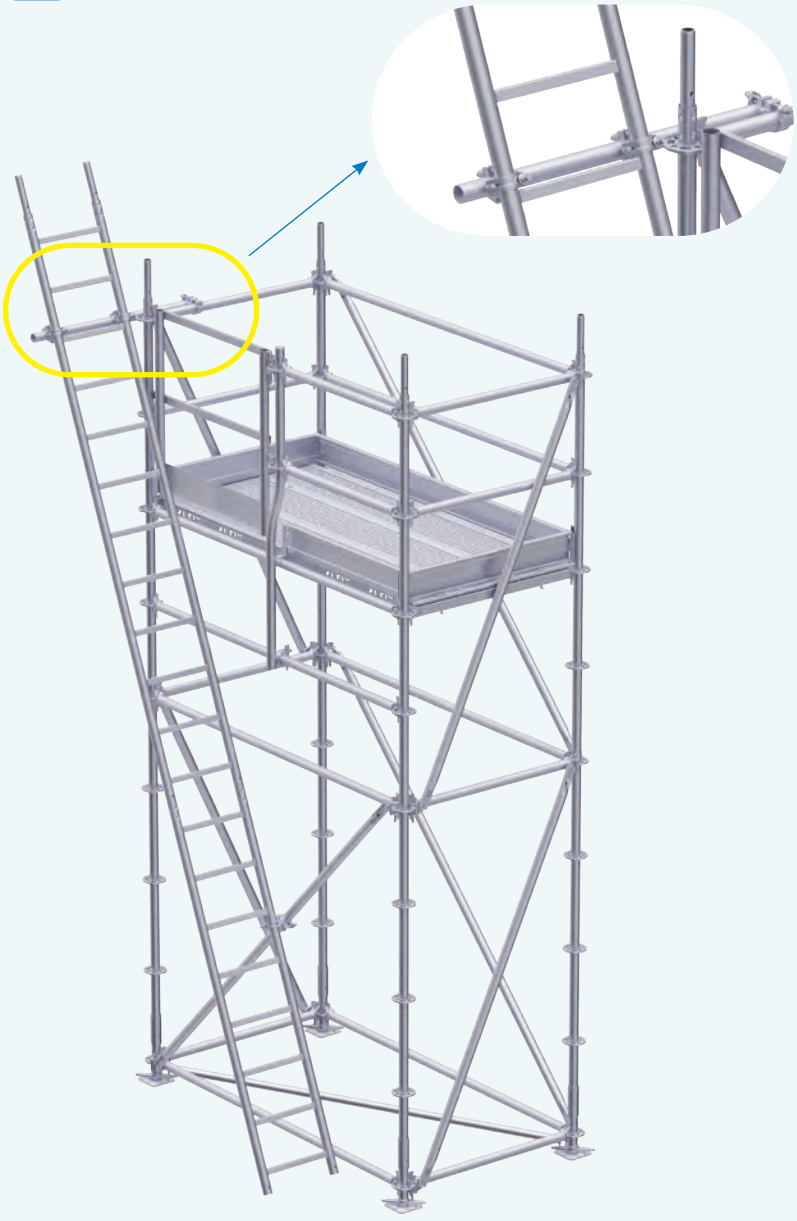
1a 1b 1c

2a

03

APPLICATION EXAMPLE

05 SCAFFOLDING LEAN-TO LADDER



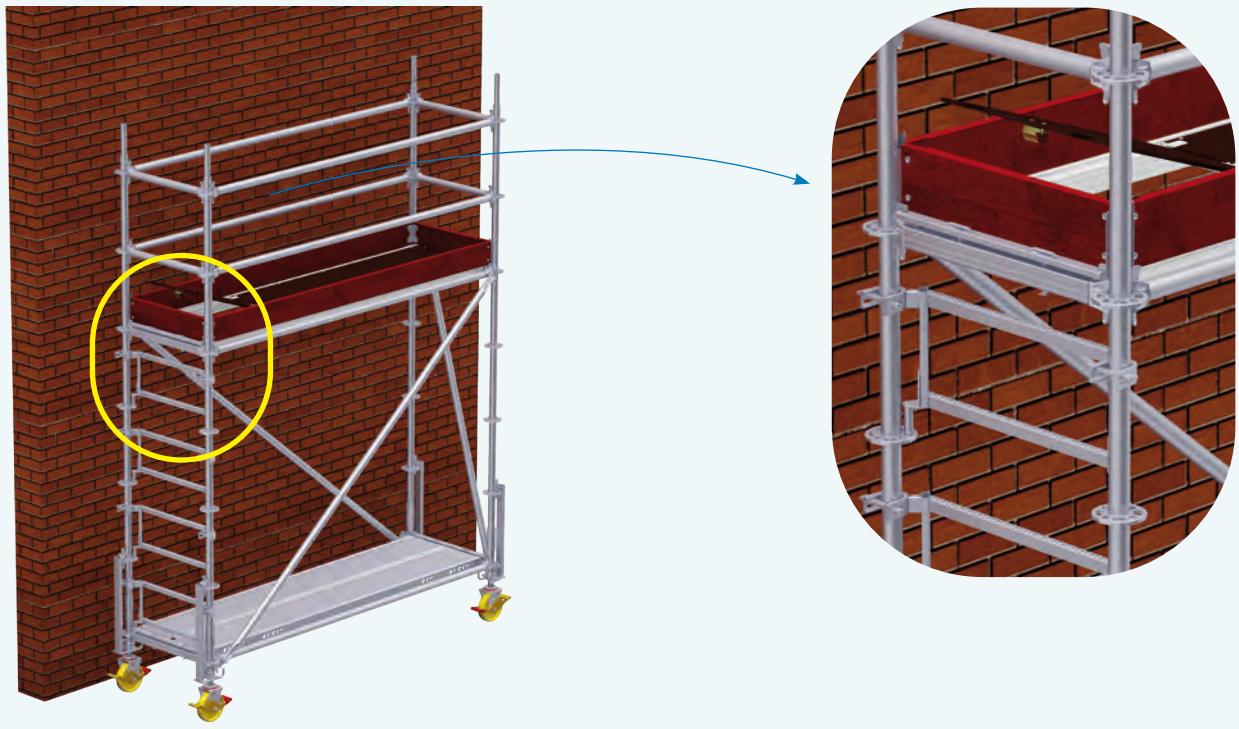
04

05

06

FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	PRICE [€]
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/m² (load class 3)	1a	1.40 × 1.00	15.0	12 98 140	**248.80**
		1b	2.07 × 1.50	23.2	12 98 207	**424.50**
		1c	2.57 × 2.00	26.0	12 98 257	**383.00**
		1d (not shown)	3.07 × 2.00	32.0	12 98 307	**467.00**
02	**ALBLITZ stairway, aluminium, width: 0.94 m** with system fixture — see pos. 01	2a	2.57 × 2.00	48.5	12 98 259	**602.70**
		2b (not shown)	3.07 × 2.00	59.1	12 98 309	**728.20**
03	**Storey ladder, aluminium** for 2.00 m storey height		2.00 × 0.40	3.7	11 32 001	**60.85**
04	**Storey ladder, steel** hot-dip galvanised, for 2.00 m storey height		2.00 × 0.40	8.1	11 42 000	**52.90**
05	**Scaffolding lean-to ladder** ⊕ steel tube ø 48.3 x 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	**91.50**
			3.00	30.3	11 40 300	**126.30**
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	**69.95**

APPLICATION EXAMPLE
06 STOREY LADDER SEGMENT

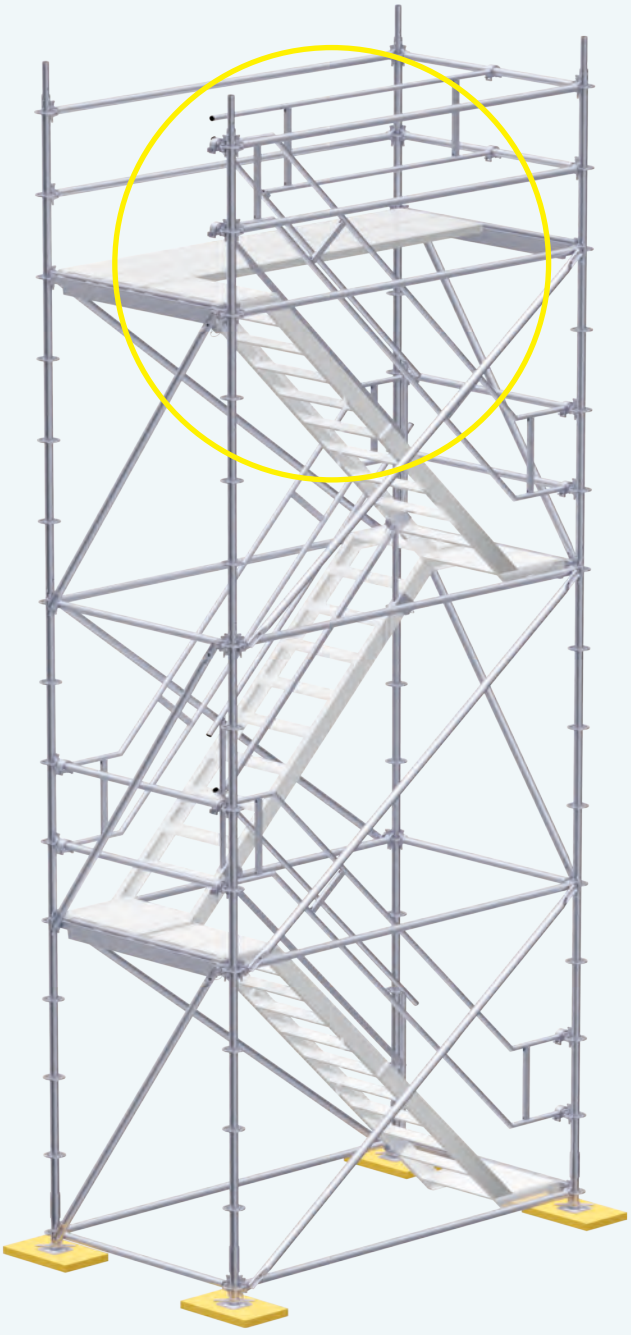


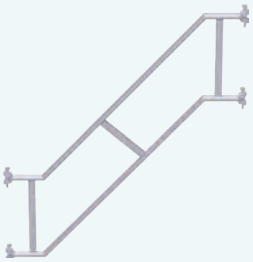
STAIRWAYS / LADDERS / GUARDRAILS

APPLICATION EXAMPLE

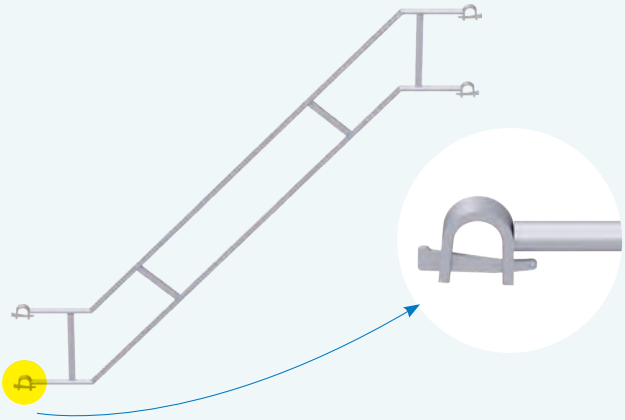
04 INTERNAL GUARDRAIL FOR ALUMINIUM STAIRWAY

05 PLATFORM GUARDRAIL





1a



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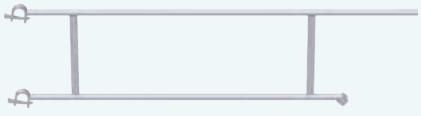
03

04



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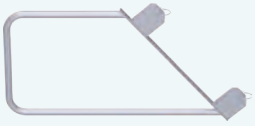
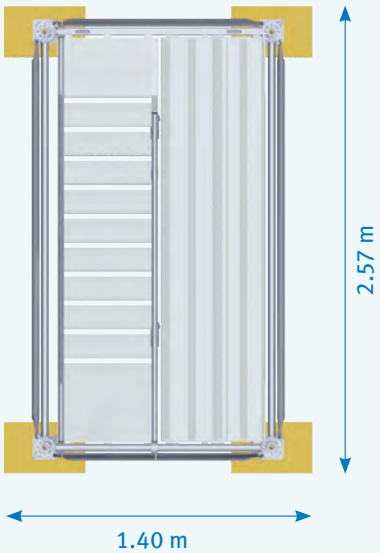


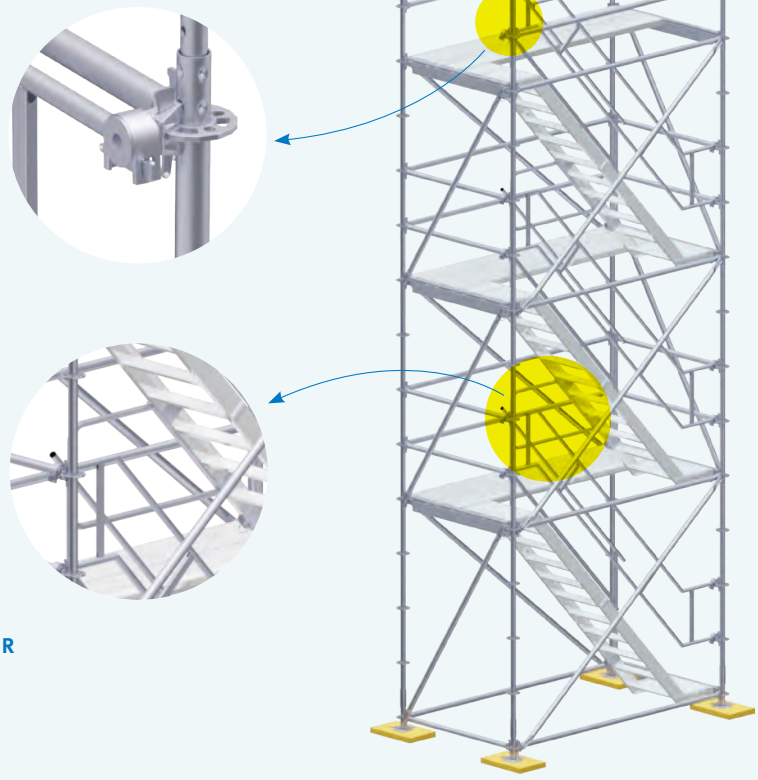
06

FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	PRICE [€]
01	**ALBLITZ stair guardrail** steel, hot-dip galvanised — with wedge-head connections	1a	1.40 × 1.00	11.7	41 36 208	**102.80**
		1b	2.07 × 1.50 (not shown)	14.8	41 36 207	**112.00**
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	**110.10**
		2b	3.07 × 2.00	19.9	41 36 206	**122.30**
03	**Guardrail fixing device** ⊕ steel, hot-dip galvanised			0.8	41 36 300	**14.20**
04	**Internal guardrail for aluminium stairway, height: 2.00 m** ⊕ steel, hot-dip galvanised		2.00 × 1.00	13.3	11 31 000	**106.00**
05	**ALBLITZ platform guardrail** ⊕ steel, hot-dip galvanised		2.57	9.6	41 29 257	**63.95**
			3.07	10.4	41 29 307	**84.40**
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	**56.30**

APPLICATION EXAMPLE

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

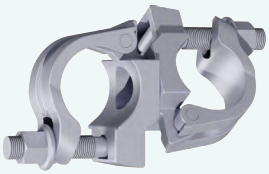




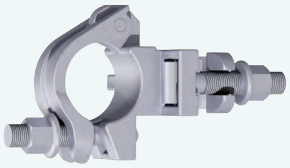
APPLICATION EXAMPLE: PLATFORM STAIRWAY TOWER

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

ACCESSORIES



01



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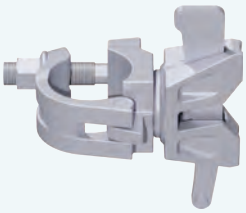
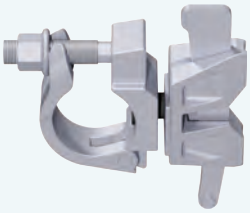


3a

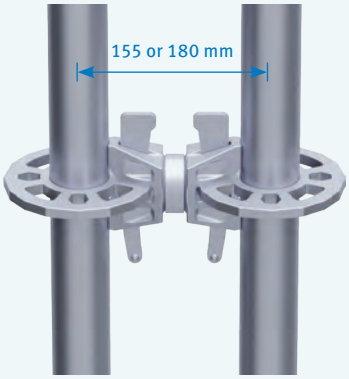
4a

05



3b

APPLICATION EXAMPLE
04 DISTANCE COUPLER



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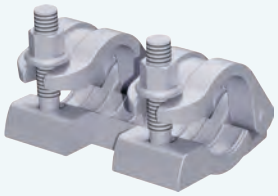

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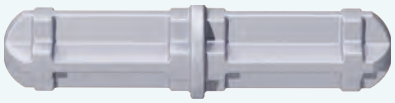

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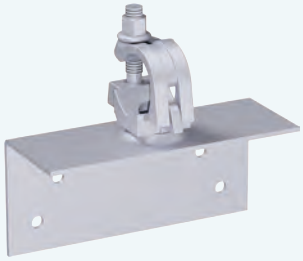


10

11

12

13

14

15

16

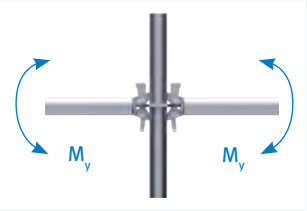
FIG.	DESCRIPTION			DIMENSIONS ø / ø [mm]	WEIGHT approx. [kg]	ARTICLE NO.	PRICE [€]
01	**Swivel coupler***		wrench size 19	48 / 48	1.0	13 03 019	**10.80**
02	**Standard coupler***		wrench size 19	48 / 48	1.0	13 01 019	**8.70**
03	**Wedge-head coupler***		3a fixed		1.0	41 50 000	**18.80**
			3b swivelling		1.0	41 50 001	**21.10**
04	**Distance coupler, fixed*** ⊕		4a (not shown)	155	1.1	41 50 003	**18.80**
			4b	180	1.2	41 50 002	**18.80**
05	**Claw coupler***	clear width 35 mm	wrench size 19	48 / –	0.9	13 10 019	**14.70**
06	**Halfcoupler***		wrench size 19	48 / –	0.6	13 02 019	**8.60**
07	**Tension coupler***		wrench size 19	48 / 48	1.4	13 07 019	**14.00**
08	**Tube connector for tension coupler**		wrench size 19		1.0	13 08 000	**5.40**
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	**11.05**
10	**Squared timber coupler*** HxWxD of steel bracket: 100 x 220 x 86 mm, with halfcoupler (swivelling)		wrench size 19		1.8	33 81 019	**19.10**

FIG.	DESCRIPTION	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.	PRICE [€]
11	**Hexagon bolt** steel, zinc-plated	M 14 × 65	0.1	14 53 000	**1.00**
12	**Hexagon nut** steel, zinc-plated	M 14	0.04	73 02 003	**1.25**
13	**Distance tube** steel tube 48.3 x 3,2 mm, zinc-plated – 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	1.5	13 61 040	**9.90**
		1.00	3.3	13 61 100	**15.50**
		1.30	4.2	13 61 130	**17.90**
		1.50	4.8	13 61 150	**21.10**
14	**Quick-release anchor** steel, hot-dip galvanised	0.60	2.3	13 62 065	**13.00**
15	**Scaffold tube, steel** ø 48.3 x 3.25 mm, hot-dip galvanised	1.00	3.5	13 51 100	**11.00**
		2.00	7.0	13 51 200	**20.80**
		3.00	10.5	13 51 300	**31.20**
		4.00	14.0	13 51 400	**42.10**
		5.00	17.5	13 51 500	**50.70**
		6.00	21.0	13 51 600	**59.00**
16	**Scaffold tube, aluminium** ø 48.3 × 4.00 mm	1.00	1.5	13 40 100	**13.50**
		2.00	3.0	13 40 200	**27.10**
		3.00	4.5	13 40 300	**40.60**
		4.00	6.0	13 40 400	**54.30**
		5.00	7.5	13 40 500	**67.70**
		6.00	9.0	13 40 600	**78.40**

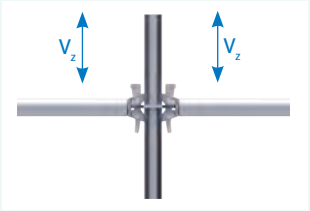
NOTE *for tubes with ø 48.3 mm, couplers are approved by the respective manufacturer and in accordance with EN 74 standard

TECHNICAL DETAILS

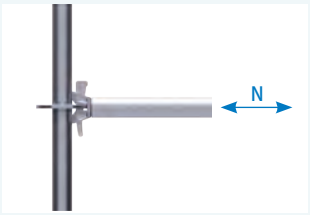
STRESS CAPACITY VALUES: ALFIX MODUL MULTI SCAFFOLDING CONNECTOR



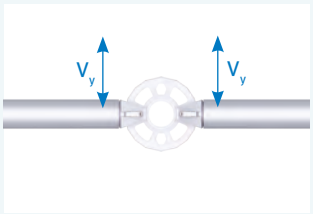
Connecting moment
$M_{y,R,d} = \pm$ 104 kNcm



Vertical force
$V_{z,R,d} = \pm$ 35 kN

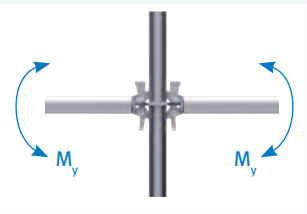


Normal force
$N_{R,d} = \pm$ 36 kN

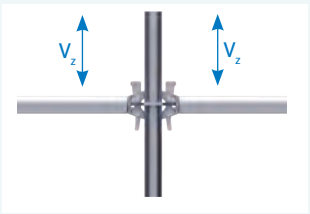


Horizontal force
$V_{y,R,d} = \pm$ 16 kN

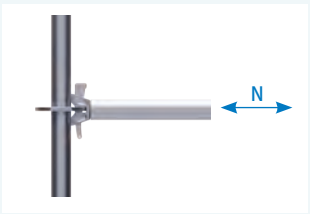
ALBLITZ MODUL SCAFFOLDING CONNECTOR



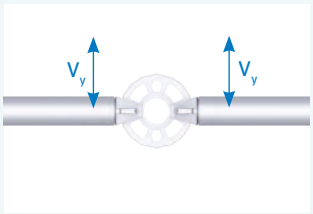
Connecting moment
$M_{y,R,d} = \pm$ 101 kNcm



Vertical force
$V_{z,R,d} = \pm$ 26 kN



Normal force
$N_{R,d} = \pm$ 31 kN



Horizontal force
$V_{y,R,d} = \pm$ 10 kN

The standard scaffolding version is approved for use as a working scaffold according to load class ≤ 3 (system width b=0.732 m and bay width l=3.07 m) or load class ≤ 4 (system width b=1.09 m and bay width l=2.57 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.

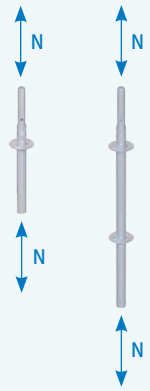
If personal protective equipment (PPE) is used the following attachment points shall be used:

- 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 BGI 5101 / BGI 663.

Standard

permissible[1] standard load (compressive load) or tensile load-bearing capacity (with screwed-in connector)

						TENSILE LOAD
Unsupported length [m]	1.0	1.5	2.0	3.0	4.0	2 × 2 M10 8.8
permissible load N [kN] x 1.5	97.4	65.6	42.6	21.0	12.3	64.1

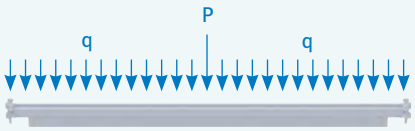


Standard

U-ledger / U-ledger, reinforced

permissible[1] 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

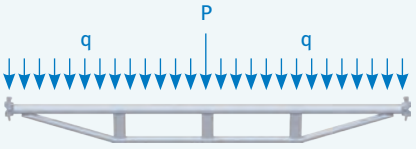


U-ledger – permissible lateral load

Tube ledger / double tube ledger

permissible[1] 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] × 1.5	32.70	25.20	24.90	15.60	9.90	7.05
Individual load P [kN/m] in bay centre × 1.5	11.85	13.65	21.30	13.05	8.40	6.75



Tube ledger – permissible lateral load

Tube ledger

permissible[1] normal force (permissible Z=24 kN)

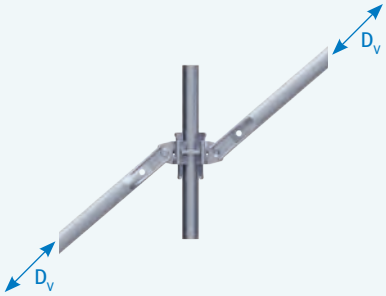
Bay length [m]	0.73	1.09	1.57	2.07	2.57	3.07
Permissible compressive force D [kN] × 1.5	36.00	36.00	36.00	36.00	27.60	20.10

Tube ledger – permissible normal force

Vertical diagonal brace

permissible[1] normal force (bay height = 2.0 m)

Bay length [m]	0.73	1.09	1.57	2.07	2.57	3.07
Permissible compressive force D [kN] × 1.5	22.05	21.45	18.45	15.45	12.75	10.35
Permissible tensile force D [kN] × 1.5	22.05	22.80	22.80	22.80	22.80	22.80



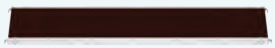
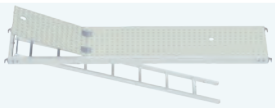
Vertical diagonal brace

1: permissible loads are calculated with γF=1.1
Note: Permissible loads are obtained by dividing the stress capacity by 1.5 (γF)

TECHNICAL DETAILS

Load classes of scaffolding decks

SCAFFOLDING DECKS

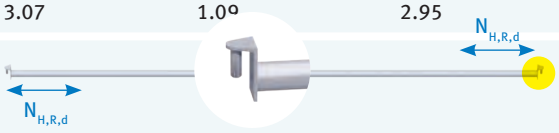
DESIGNATION	BAY WIDTH L (m)	BRICK GUARD AND ROOF BRICK GUARD APPLICATIONS	ASSIGNMENT OF DECKING TO LOAD CLASSES	
Steel deck 0.32 m	≤ 2.07	permissible	6	
	2.57	permissible	5	
	3.07	permissible	4	
	4.14	permissible	3	
Wooden deck 0.32 m	≤ 1.57	permissible	6	
	2.07	permissible	5	
	2.57	permissible	4	
	3.07	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	
Frame platform 0.60 m film-coated plywood decking	≤ 3.07	permissible	3	
Access deck with ladder 0.60 m film-coated plywood decking	≤ 3.07	permissible	3	
Access deck with ladder 0.60 m chequer plate decking	2.57	permissible	3	
	3.07	permissible	3	
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)

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 cm²
I	=	4.00 cm⁴
W_{el}	=	2.68 cm³
W_{pl}	=	1.25 × 2.68 = 3.35 cm³

EXTRACTS FROM THE DIN EN 12811 STANDARD

Service loads on working areas

WORKING AREAS

LOAD CLASS	UNIFORMLY DISTRIBUTED LOAD q_1 in kN/m²	CONCENTRATED LOAD ON AREA 500 mm x 500 mm F_1 in kN	CONCENTRATED LOAD ON AREA 200 mm x 200 mm F_2 in kN	PARTIAL AREA LOAD q_2 in kN/m²	PARTIAL AREA LOAD 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

WORKING AREAS

CLASS	CLEAR HEADROOM between working 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	$1.75\ m \leq h_{1a} \leq 1.90$ m $1.75\ m \leq h_{1b} \leq 1.90$ m	$h_2 \geq 1.60$ m
H_2	$h_2 \geq 1.90$ m	$h_{1a} \geq 1.90$ m $h_{1b} \geq 1.90$ m	$h_2 \geq 1.75$ m

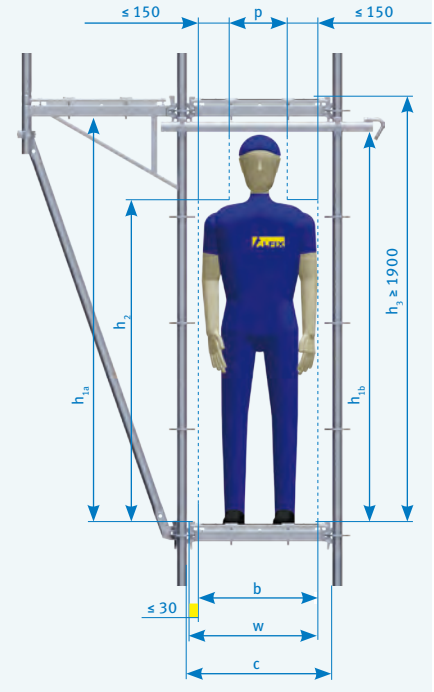
Width classes

WORKING AREAS

WIDTH CLASS	w in m
W06	0.6 ≤ w ≤ 0.9
W09	0.9 ≤ w ≤ 1.2
W12	1.2 ≤ w ≤ 1.5
W15	1.5 ≤ w ≤ 1.8
W18	1.8 ≤ w ≤ 2.1
W21	2.1 ≤ w ≤ 2.4
W24	2.4 ≤ 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



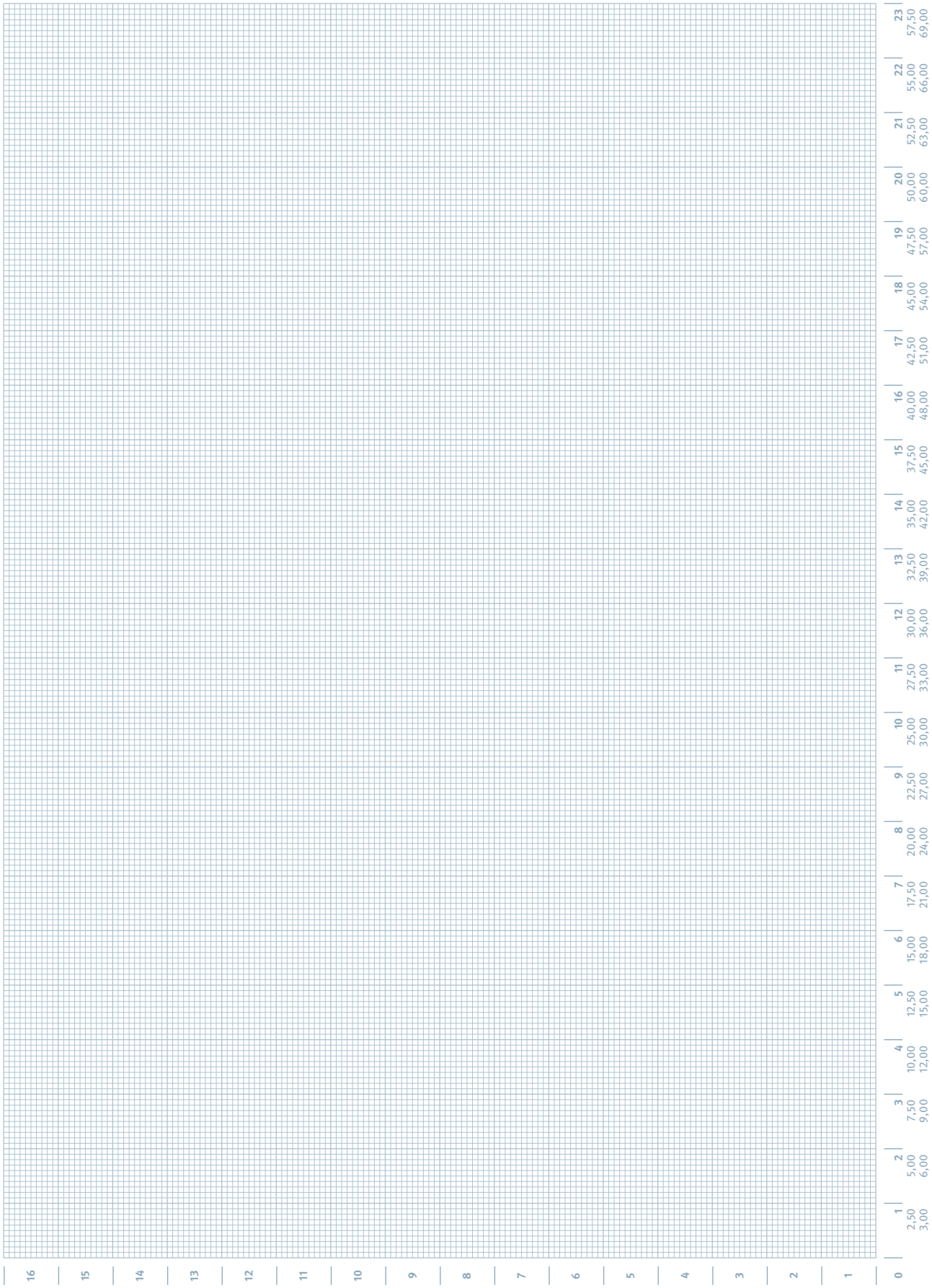
Designation of scaffolds according to the standard EN 12810-1

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

Scaffold 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 = stairway, LS = both)

NOTES

SKETCHES


0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
1 2,50 3,00
2 5,00 6,00
3 7,50 9,00
4 10,00 12,00
5 12,50 15,00
6 15,00 18,00
7 17,50 21,00
8 20,00 24,00
9 22,50 27,00
10 25,00 30,00
11 27,50 33,00
12 30,00 36,00
13 32,50 39,00
14 35,00 42,00
15 37,50 45,00
16 40,00 48,00
17 42,50 51,00
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19 47,50 57,00
20 50,00 60,00
21 52,50 63,00
22 55,00 66,00
23 57,50 69,00

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Edition: July 2019