



ALFIX FAÇADE SCAFFOLDING

Catalogue

Universal frame scaffolding system.
In steel or aluminium, quality down to the last detail.



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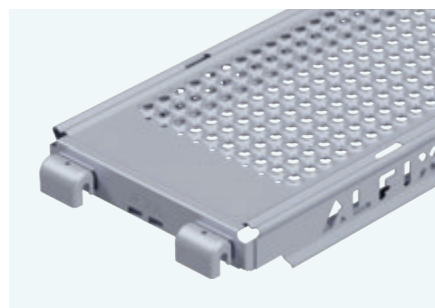
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Catalogue ALFIX Façade Scaffolding

Edition: October 2023



The ALFIX façade scaffolding system, in steel or aluminium, has been tested for utmost quality and reliability requirements down to the last detail. Easy handling as well as fast assembly and disassembly allow for cost-efficient and trouble-free use. Our competent team of sales representatives is available to kindly assist you offering consultation and customer support, as you plan your scaffold structure. We will gladly answer all your questions also with regard to the compatibility with third-party products. Get in touch with one of our field service representatives and stay informed!



Application example: Gusset place

ALFIX FAÇADE SCAFFOLDING

The ALFIX façade scaffolding is a scaffolding system consisting of prefabricated components. It is available with the following bay lengths: 0.73 m, 1.09 m, 1.57 m, 2.07 m, 2.57 m, 3.07 m and 4.14 m. The scaffolding has two standard widths: 0.73 m and 1.09 m.

This scaffolding can be used as a working scaffolding for applications with load classes 1 up to 4 in accordance with DIN EN 12810 and 12811 (working weight per unit area: 300 kg/m² in load class 4) and as brick guard and roof guard scaffolding (max. fall height 2.00 m).

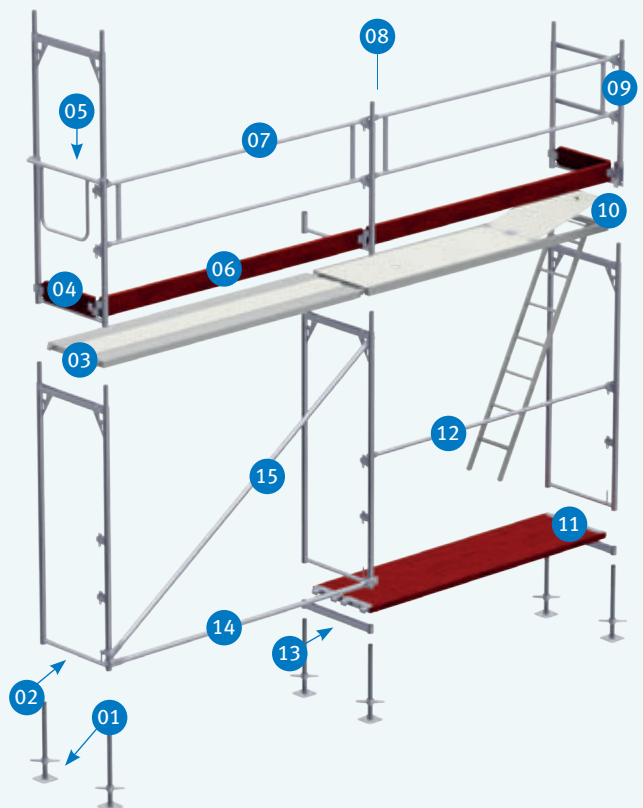
Proof of the standard assembly configuration was carried out for an assembly height of 24.00 m, plus spindle extension length.

If the scaffolding system is used for scaffoldings deviating from the standard assembly configuration, any deviations shall be evaluable according to the Technical Building Regulations and the stipulations of the relevant Technical Approval and shall be calculated for each individual case.

Overview of Basic Components

The ALFIX façade scaffolding system consists of just a few basic components. The façade scaffold's basic structure can be assembled using only a few basic components, which are available in various dimensions. Please refer to page 48 for further information on technical details.

- | | |
|-----------------------------|--|
| 01 Base jack | 09 End guardrail frame |
| 02 Assembly frame | 10 ALBLITZ access deck with ladder (chequer plate decking) |
| 03 ALBLITZ lightweight deck | 11 Wooden deck |
| 04 End toeboard | 12 Guardrail |
| 05 Double end guardrail | 13 Starter transom |
| 06 Wooden toeboard | 14 Horizontal strut |
| 07 Double guardrail | 15 Diagonal brace |
| 08 Guardrail post | |



Technical approvals:

ALFIX 70 (Z-8.1-862)



ALFIX 70

ALBLITZ 70 A (Z-8.1-897)



ALBLITZ 70 A

ALBLITZ 70 S (Z-8.1-864)



ALBLITZ 70 S

ALBLITZ 100S (Z-8.1-943)



ALBLITZ 100 S

ASSEMBLY FRAMES

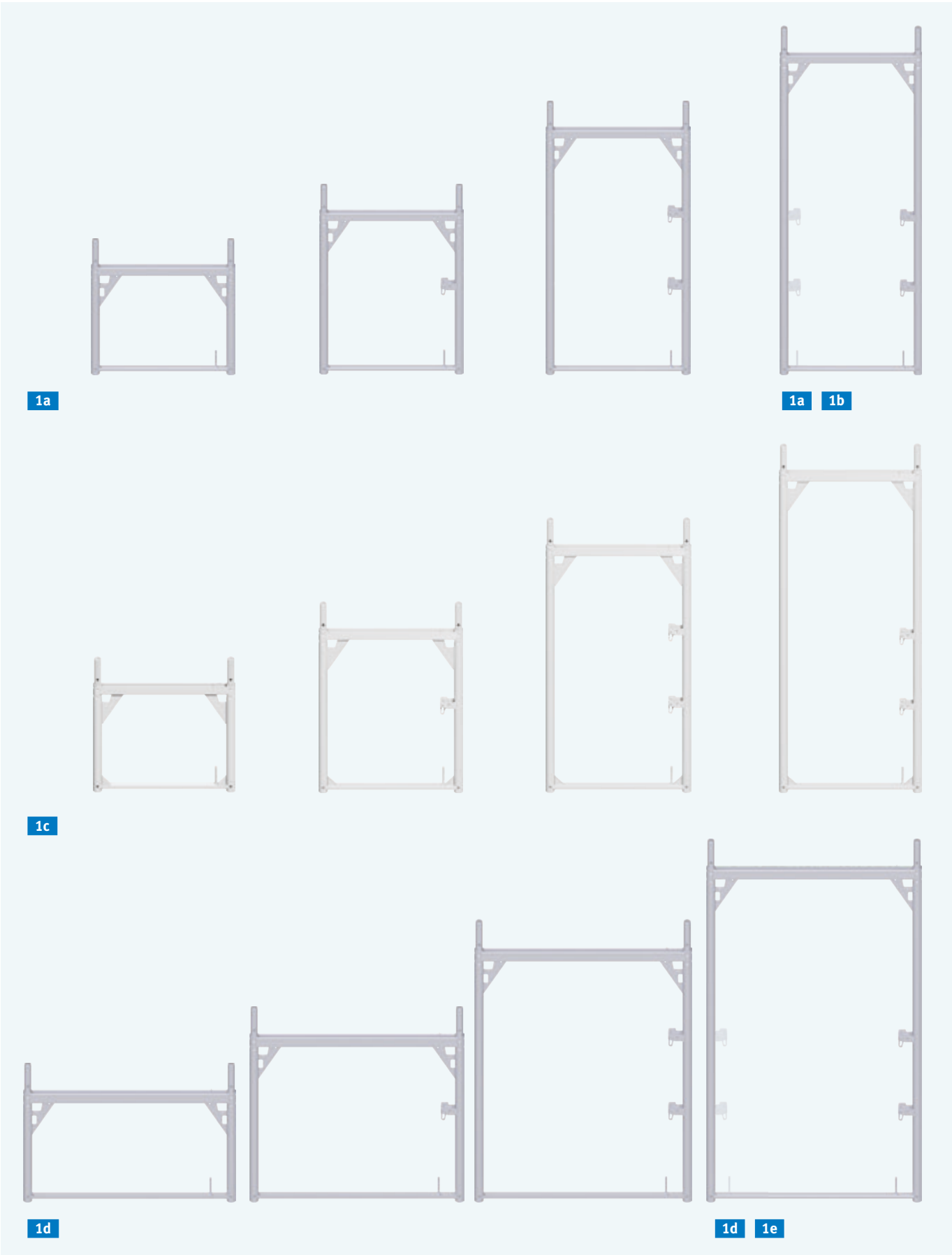
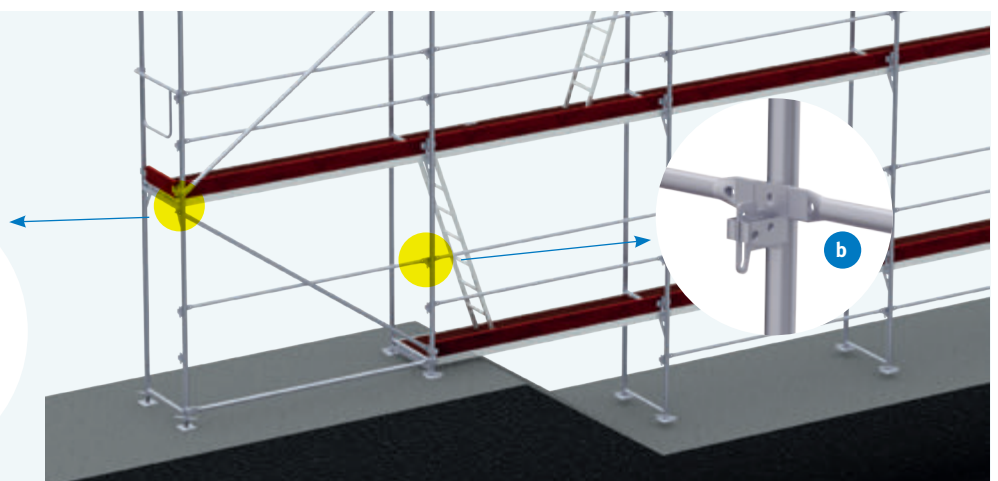


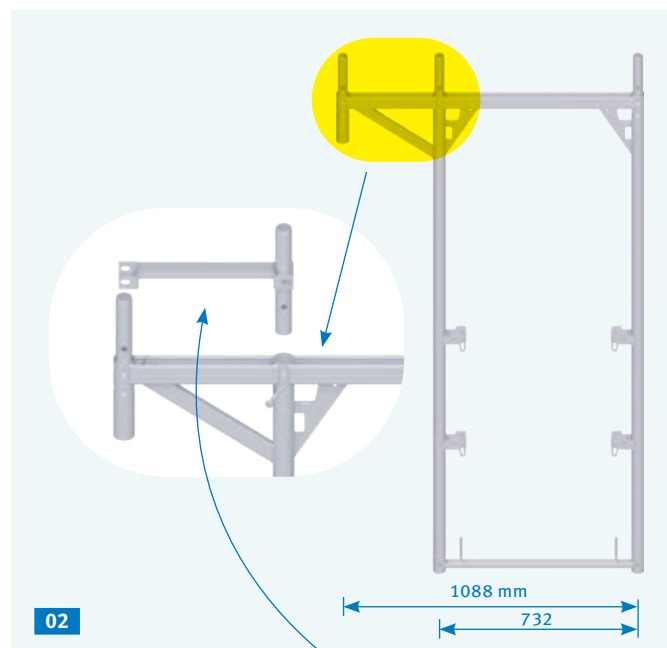
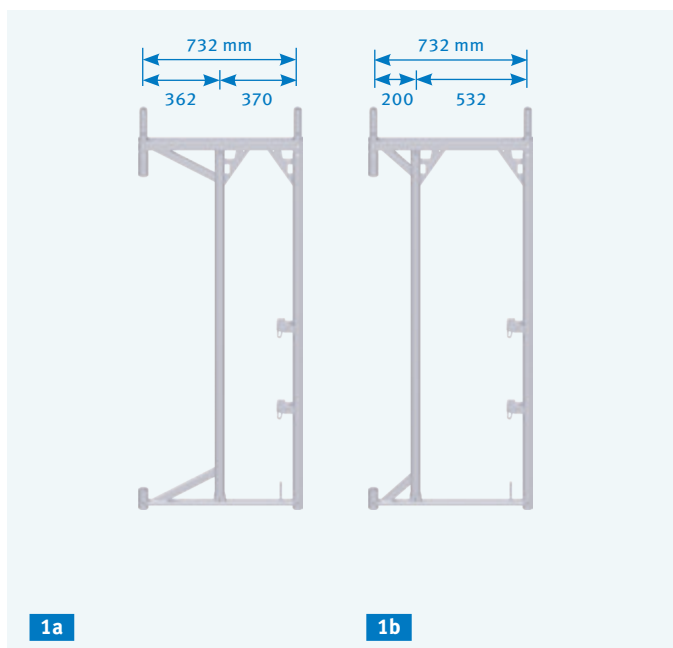
FIG.	DESCRIPTION	DIMENSIONS	WEIGHT	ARTICLE NO.
		L/H×W [m]	approx. [kg]	
01	Assembly frame <ul style="list-style-type: none">— basic component for construction of façade scaffolding— pressed-in tube connectors allow stacking of multiple components— the lower transom is intended to retain the decking of the underlying storey level— lower transom serves to prevent decking of underlying storey from lifting off— U-profile for deck suspension— patented guardrail locking mechanism			
1a	Assembly frame, steel; 0.73 m steel tube ø 48.3 × 2.7 mm; hot-dip galvanised	0.67 × 0.73	10.4	10 11 067L
	— width: 0.73 m for width class W06	1.00 × 0.73	12.9	10 11 100L
		1.50 × 0.73	16.5	10 11 150L
		2.00 × 0.73	18.6	10 11 200L
1b	Assembly frame, steel; 0.73 m steel tube ø 48.3 × 2.7 mm; hot-dip galvanised; with 4 guardrail wedge housings	2.00 × 0.73	19.6	10 11 204L
	— to install the three-part side protection (external and internal)			
	— ALFIX MODUL METRIC transverse toeboards 0.74 m (article no. 4851074) must be used at the end sides			
1c	Assembly frame, aluminium; 0.73 m aluminium tube ø 48.3 × 4.0 mm	0.67 × 0.73	4.6	10 00 067
	— lightweight, sturdy aluminium	1.00 × 0.73	6.1	10 00 100
	— width: 0.73 m	1.50 × 0.73	8.1	10 00 150
		2.00 × 0.73	9.6	10 00 200
1d	Assembly frame, steel; 1.09 m steel tube ø 48.3 × 3.2 mm; hot-dip galvanised	0.67 × 1.09	14.6	10 12 067
	— width: 1.09 m for width class W09	1.00 × 1.09	17.6	10 12 100
		1.50 × 1.09	22.3	10 12 150
		2.00 × 1.09	23.0	10 12 200
1e	Assembly frame, steel; 1.09 m steel tube ø 48.3 × 3.2 mm; hot-dip galvanised; with 4 guardrail wedge housings and toeboard pins (mounted on both sides)	2.00 × 1.09	24.0	10 12 204
	— to install the three-part side protection (external and internal)			
	— width: 1.09 m for width class W09			
	— ALFIX MODUL METRIC transverse toeboards 1.00 m (article no. 4851100) must be used at the end sides			

APPLICATION EXAMPLE

- a** Gusset plate
b Guardrail wedge housing with patented locking mechanism



ASSEMBLY FRAMES



APPLICATION EXAMPLE

02 ROOF GUARD EXTENSION FRAME

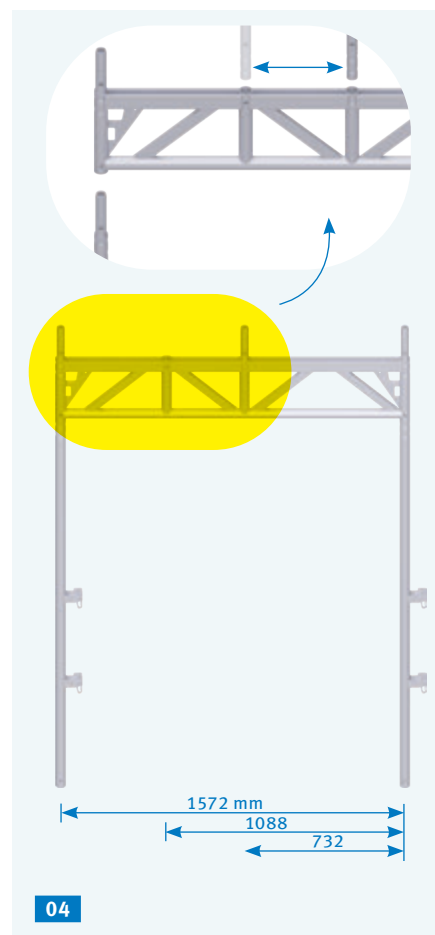
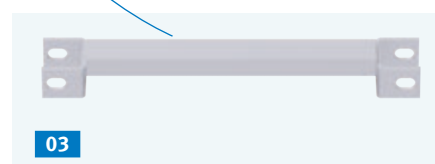
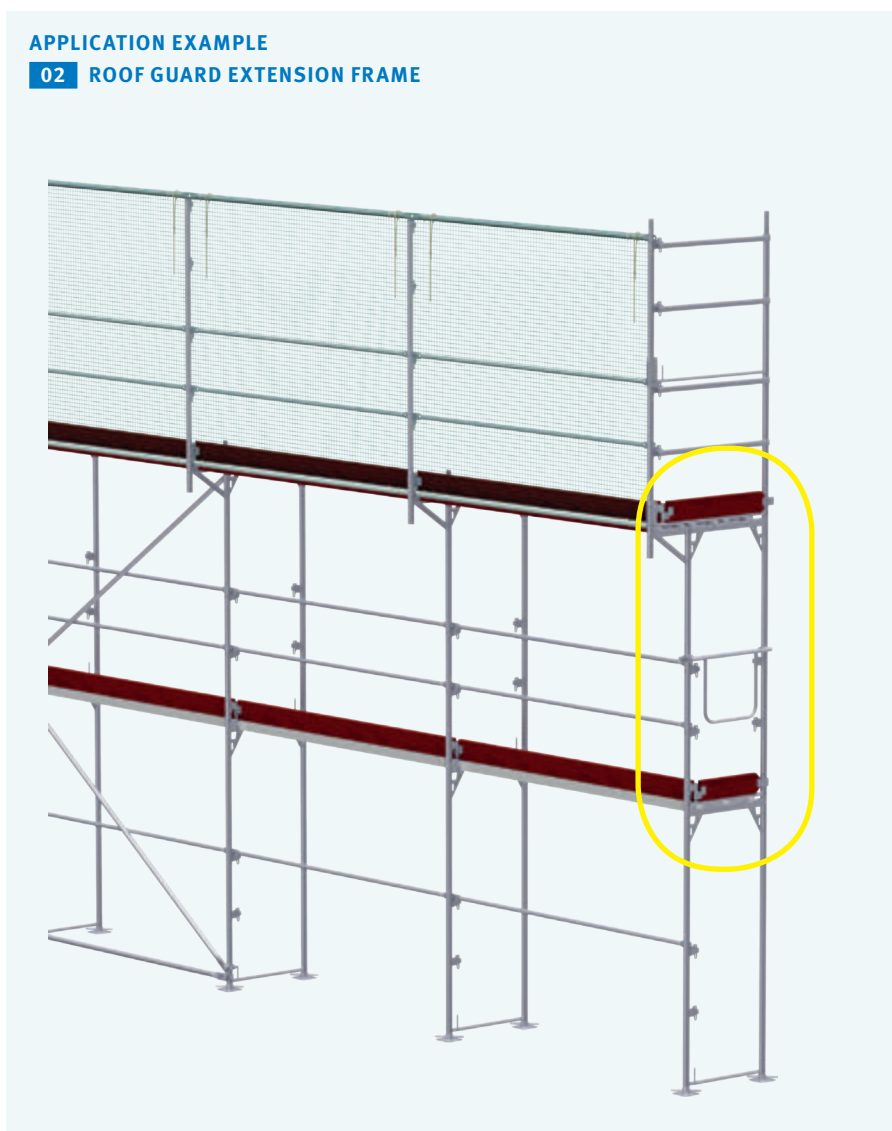
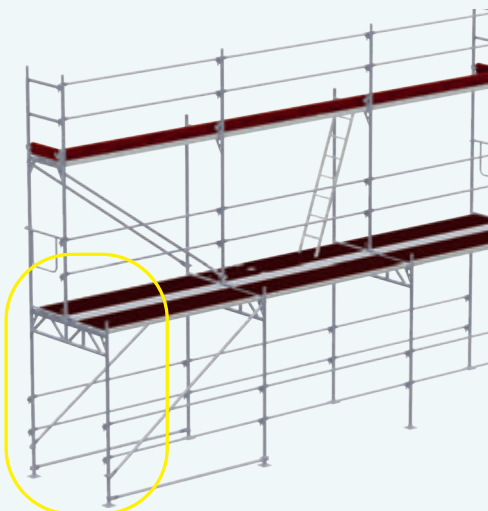


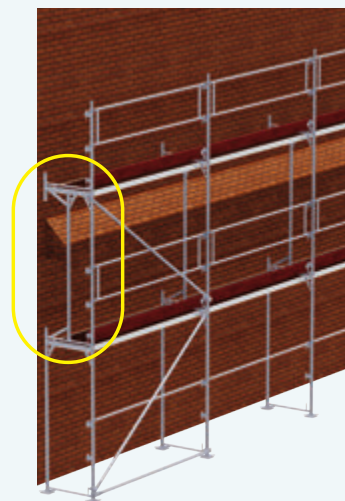
FIG.	DESCRIPTION		DIMENSIONS		WEIGHT	ARTICLE NO.
			L/H×W [m]	approx. [kg]		
01	Cantilever frame + steel tube ø 48.3 × 2.7 mm; hot-dip galvanised — makes for easy scaffolding around façade projections and easy working above protruding eaves	1a	2.00 × 0.37	21.7	10 19 100L	
		1b	2.00 × 0.53	21.1	10 19 000L	
02	Roof guard extension frame + steel tube ø 48.3 × 2.7 mm; hot-dip galvanised — tube connector that can be unscrewed allows for further construction with the dimensions 0.73 m and 1.09 m — assembly of internal bracket: 03 lift-off preventer required — guardrail wedge housings and toeboard pins mounted on both sides allow for internal and external bracket widening		2.00 × 0.73 up to 1.09	24.2	10 19 003L	
03	Lift-off preventer steel; hot-dip galvanised — lift-off prevention of deck on cantilever of roof guard extension frame		0.36	0.9	10 48 036	
04	Passage frame* + steel tube ø 48.3 × 3.2 mm; hot-dip galvanised, 3-part — consisting of 1 x ALFIX passage frame truss 1.57 m (article no. 8310059) and 2 x passage frame tubular post 1.90 m (article no. 8310016) — 1.50 m passageway for pedestrians, allows for safe pedestrian traffic — securing of the tubular posts by means of locking pins and linchpins 12 × 70 mm — space-saving transport — Guardrail wedge housings mounted on both sides enable fitting of side protection on both the inside and outside. — Middle tube connector that can be unscrewed enables adaptation of scaffolding width (0.73 m or 1.09 m).		2.20 × 1.57	40.0	10 19 006	

* For detailed information on passage frame applications please refer to the ALFIX Façade Scaffolding Instructions for Assembly and Use.

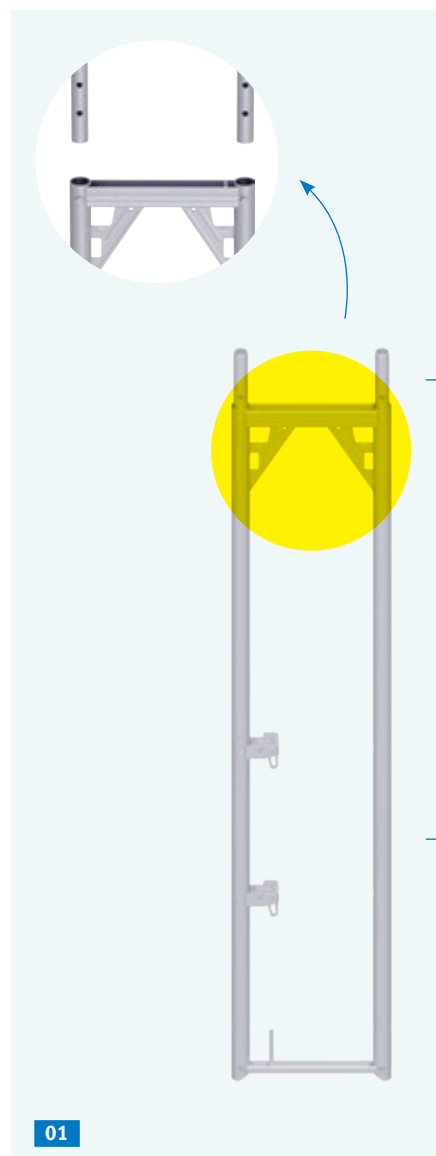
APPLICATION EXAMPLE 04 PASSAGE FRAME



APPLICATION EXAMPLE 1a CANTILEVER FRAME

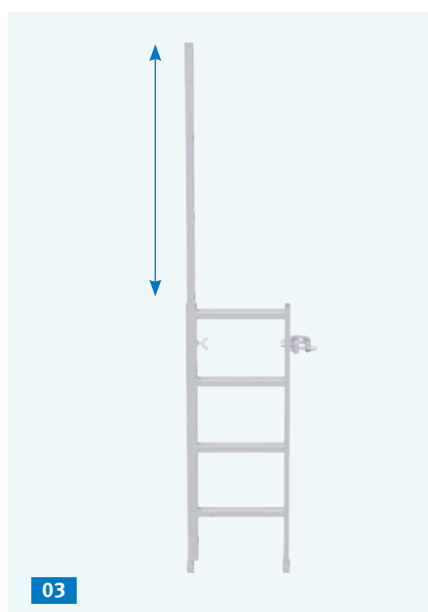
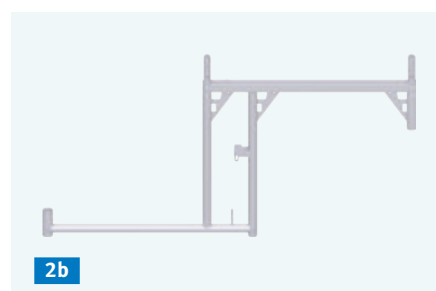
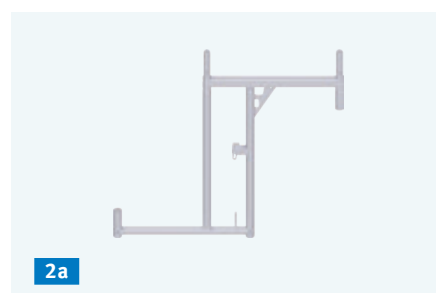
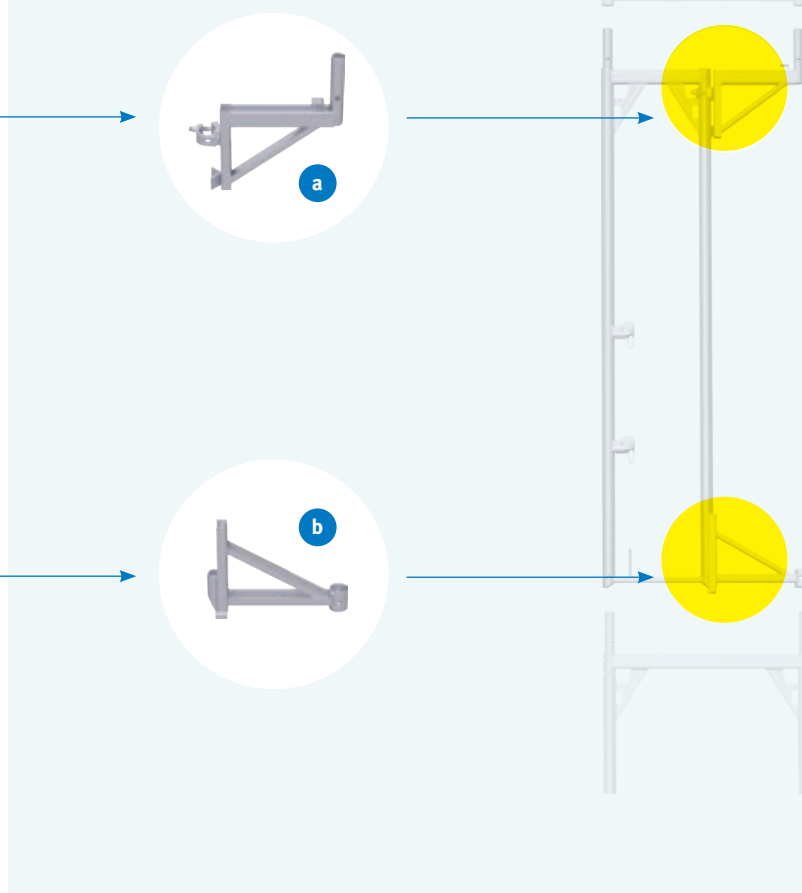


ASSEMBLY FRAMES



APPLICATION EXAMPLE 01 ASSEMBLY FRAME
with bracket 0.36 m and bracket, special design expanding into a cantilever frame using a 0.37 m assembly frame

- a** Bracket 0.36 m (see pages 34/35)
- b** Bracket, special design for assembly frame 0.37 m (see pages 34/35)

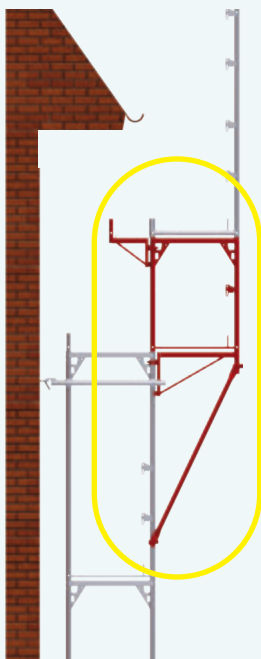


APPLICATION EXAMPLE
2a DS BRACKET FRAME AND
03 DS STOREY LADDER

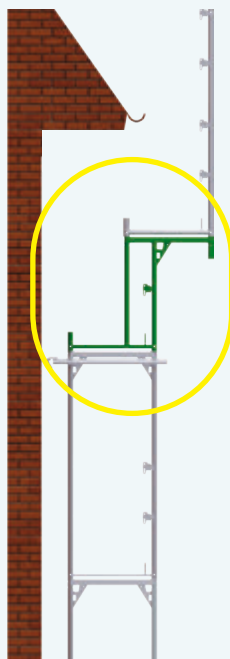


FIG.	DESCRIPTION		DIMENSIONS	WEIGHT	ARTICLE NO.
			L/H×W [m]	approx. [kg]	
01	Assembly frame; 0.37 m + steel tube $\varnothing 48.3 \times 3.2$ mm; hot-dip galvanised <ul style="list-style-type: none"> – with screwed-on tube connector; for use in small recesses – can be used as cantilever frame in connection with special bracket (see pages 34/35) and bracket 0.36 m (see pages 34/35) 		2.00 × 0.37	19.0	10 19 200
02	DS bracket frame + steel tube $\varnothing 48.3 \times 3.2$ mm; hot-dip galvanised <ul style="list-style-type: none"> – innovative special part – The ideal height for all craft trades. Roofers, plumbers and plasterers are able to work at the same time. 	2a	0.99 × 0.73	16.0	10 32 099
		2b	0.99 × 1.09	22.5	10 32 299
03	DS storey ladder + steel; hot-dip galvanised <ul style="list-style-type: none"> – equipped with a handrail extendable up to 2 m for safe access to the uppermost level 		1.00	9.0	11 42 010

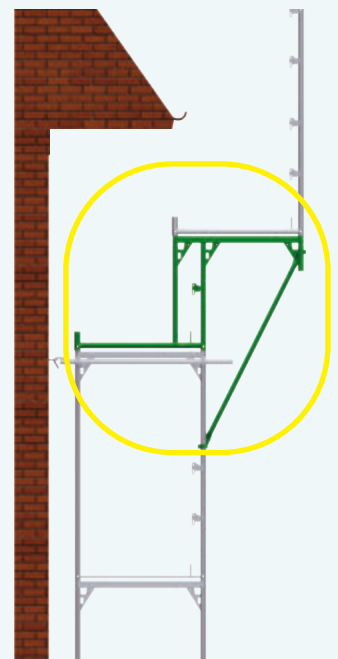
APPLICATION EXAMPLE
WITHOUT 2a DS BRACKET FRAME



APPLICATION EXAMPLE
WITH 2a DS BRACKET FRAME



APPLICATION EXAMPLE
WITH 2b DS BRACKET FRAME



If the scaffolding is used by various craft trades, the time-consuming need for completing the required structure from many individual components can be eliminated when using a ALFIX DS bracket frame.

In the application example **2a** the individual scaffold components shown in red are not needed when using the DS bracket frame (green).

In detail: diagonal cross brace 1.77 m, bracket 0.73 m, assembly frame 1.00 x 0.73 m, bracket 0.36 m, up to 3 decks.

Advantages of the DS bracket frame: cut costs, time-saving assembly/disassembly, fewer components needed, and space-saving transport.

The DS storey ladder developed particularly for the ALFIX DS bracket frame ensures safe access to the top level by means of the telescopic guardrail post (up to 2 m).

For further information please refer to the DS bracket frame Instructions for Assembly and Use!



SCAFFOLDING DECKS / ACCESS DECKS



01



02



03



04



05



06

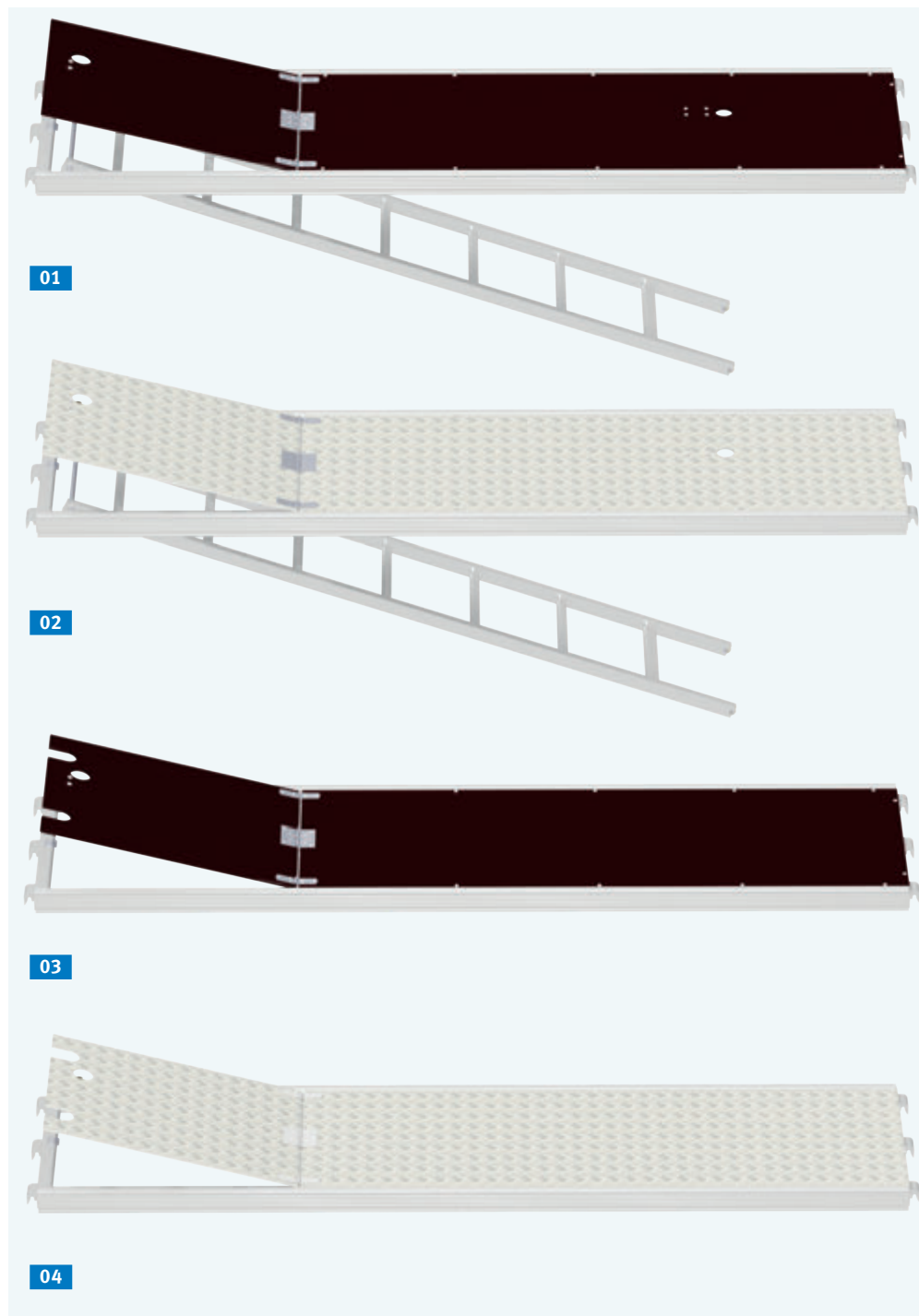


07

FIG.	DESCRIPTION	LOAD CLASS*	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	Steel plank; 0.32 m wide hot-dip galvanised; perforated <ul style="list-style-type: none"> — 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	1.57 × 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	Wooden deck; 0.32 m wide  block glued; thickness 48 mm <ul style="list-style-type: none"> — impregnated; triple-glued — 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
03	Solid aluminium deck; 0.32 m wide profile height: 48 mm <ul style="list-style-type: none"> — hollow chamber profiles with anti-slip longitudinal grooves — easily stackable due to stacking bulge, 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
04	ALBLITZ frame platform; 0.60 m wide aluminium; film-coated plywood decking <ul style="list-style-type: none"> — extremely lightweight — with replaceable wood section insert 	3	0.50 × 0.60	5.9	12 90 050
		3	0.73 × 0.60	6.0	12 90 073
		3	1.09 × 0.60	8.1	12 90 109
		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	Intermediate deck, steel hot-dip galvanised <ul style="list-style-type: none"> — as compensation deck for deck surfaces with different deck widths — mainly for use 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
06	Gap cover steel, hollow chamber profiles, hot-dip galvanised; film-coated plywood decking <ul style="list-style-type: none"> — to be placed between the decks — for covering construction-related gaps 	3	1.57 × 0.10	9.0	12 26 150
		3	2.07 × 0.10	11.2	12 26 200
		3	2.57 × 0.10	13.5	12 26 250
		3	3.07 × 0.10	15.8	12 26 300
07	ALBLITZ lightweight deck; 0.60 m wide <ul style="list-style-type: none"> — profile height approx. 5 cm, easily stackable — combination of hollow chamber profiles and aluminium treadplate, non-slip surface — 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

* Please refer to section „Technical Details“ on pages 48-49 for an overview of the load classes.

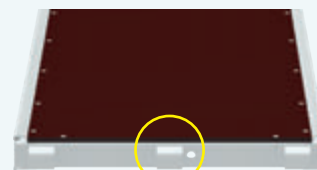
SCAFFOLDING DECKS / ACCESS DECKS

**NOTE**

As an **alternative** to access decks, stairways (see p. 14-17) can be used as an add-on access bay (stairway tower). See also Technical Rules on Operational Safety (TRBS) 2121, part 1, item 4.2.

**ACCESS DECKS AND PLATFORMS**

Platforms without hatch access have 1 borehole at the front end, access decks have 2 boreholes (Ø 16mm). 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

**APPLICATION EXAMPLE**

05 STEEL PLANK with locking pin and spring clip

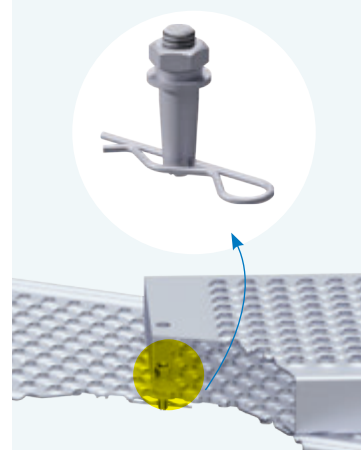


FIG.	DESCRIPTION	LOAD CLASS*	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	ALBLITZ access deck with ladder; 0.60 m aluminium; film-coated plywood decking — convenient and fail-safe ladder and hatch latching — with 3 mounting claws	3	2.57 × 0.60	22.7	12 91 257
		3	3.07 × 0.60	26.0	12 91 307
02	ALBLITZ access deck with ladder; 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)	3	2.57 × 0.60	26.2	12 94 257
		3	3.07 × 0.60	30.2	12 94 307
03	ALBLITZ access deck without ladder; 0.60 m aluminium; film-coated plywood decking — with replaceable wood section insert; with fitting for storey ladders (see p. 14/ 15) — practical and dependable hatch latching	3	2.07 × 0.60	15.2	12 92 207
		3	2.57 × 0.60	18.6	12 92 257
		3	3.07 × 0.60	22.0	12 92 307
04	ALBLITZ access deck without ladder; 0.60 m aluminium; chequer plate decking — see pos. 02 — with fitting for storey ladder (see p. 14/15)	3	2.07 × 0.60	18.1	12 95 207
		3	2.57 × 0.60	19.0	12 95 257
		3	3.07 × 0.60	22.5	12 95 307
05	Steel plank hot-dip galvanised; 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 25 cm! — 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
06	Spring clip steel; galvanised — spare part for pos. 05			0.03	73 04 006
07	Corner deck, adjustable aluminium, with toeboard — for angles from 45°-90°	3	0.60	10.6	40 91 001

* Please refer to section „Technical Details“ on pages 48-49 for an overview of the load classes.

DETAIL:

02 ALBLITZ ACCESS DECK (CHEQUER PLATE DECKING)

The **hatch and ladder latches** facilitate an easy release, from both the upper and the lower scaffolding levels, and ensure a safe securing of the **access hatch** and **storey ladder**. Normally, the installation of access hatches alternates one above the other. The lowest footfall level is made of system-compatible decks and serves as an installation area for the first storey ladder. For more security against sliding during transportation or assembly, the ladder suspension hardware is additionally equipped with a **spacer sleeve** on both sides intended to prevent pinching fingers.



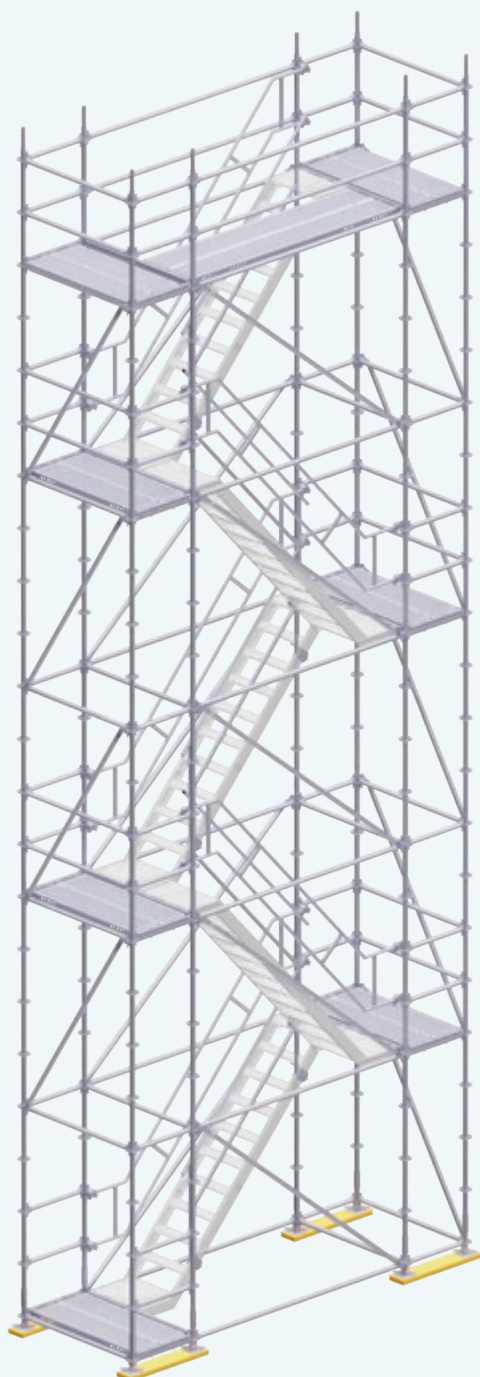
Hatch latching/ Spacer sleeve



Ladder latching

STAIRWAYS

STAIRWAY TOWER MADE OF ALFIX MODUL MULTI COMPONENTS



Please refer to our comprehensive stairway and stairway accessories programme in the **ALFIX MODUL MULTI** catalogue and the stairway tower brochure!



1a



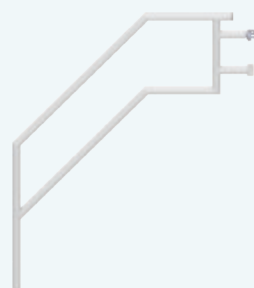
1b



2a



2b



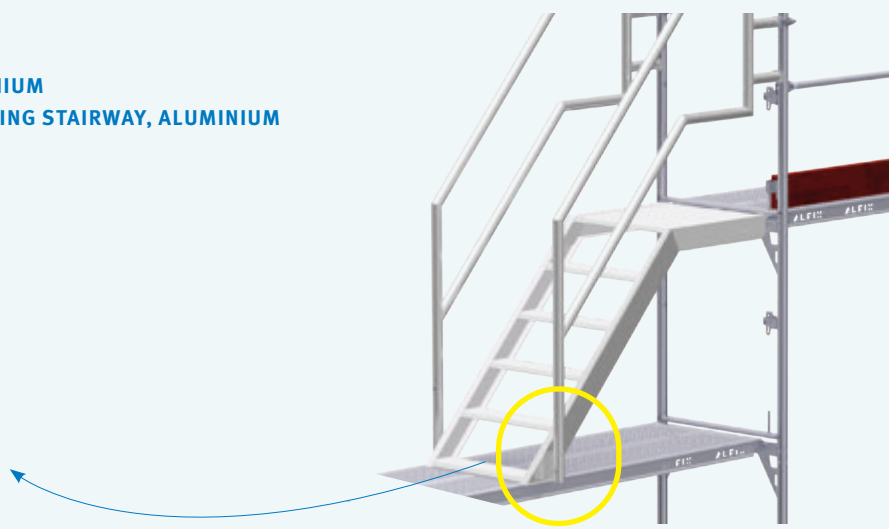
03

FIG.	DESCRIPTION		DIMENSIONS	WEIGHT	ARTICLE NO.	
			L/H×W [m]	approx. [kg]		
01	Storey ladder for 2.00 m storey height — supplement for accesses without integrated storey ladder — suitable for bridging scaffolding levels	1a	steel hot-dip galvanised	2.00 × 0.40	8.1	11 42 000
		1b	aluminium	2.00 × 0.40	3.7	11 32 001
02	ALBLITZ starting stairway, aluminium + — at the platform with system fixture — with tubular sleeves at the bottom for accommodating base jacks — width: 0.62 m	2a		1.09 × 0.67	14.4	12 98 067
		2b		1.40 × 1.00	17.7	12 98 100
03	Stair guardrail, aluminium + — for 02 ALBLITZ starting stairway, aluminium — with halfcoupler, wrench size 19			1.40 × 1.00	5.8	12 98 101

APPLICATION EXAMPLE

02 ALBLITZ STARTING STAIRWAY, ALUMINIUM

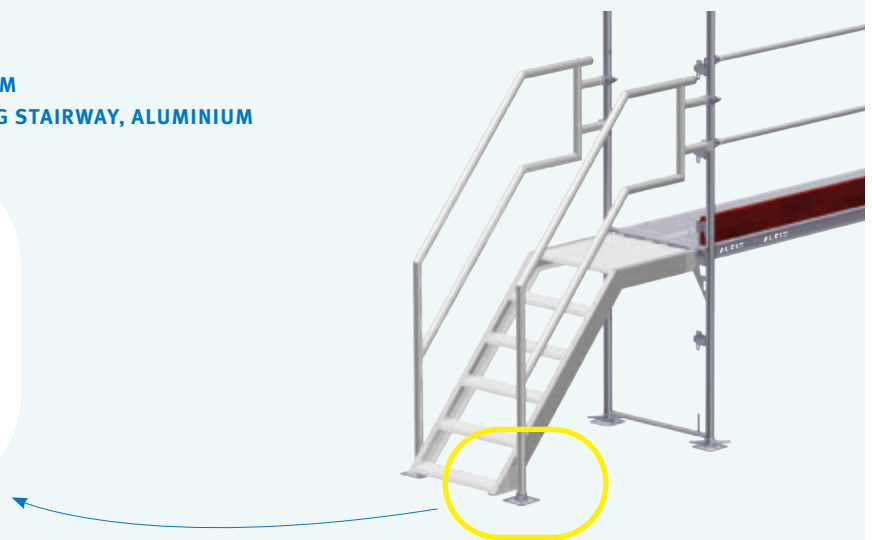
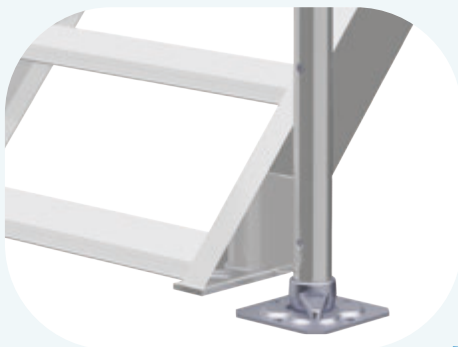
03 STAIR GUARDRAIL FOR ALBLITZ STARTING STAIRWAY, ALUMINIUM



APPLICATION EXAMPLE

02 ALBLITZ STARTING STAIRWAY, ALUMINIUM

03 STAIR GUARDRAIL FOR ALBLITZ STARTING STAIRWAY, ALUMINIUM



STAIRWAYS

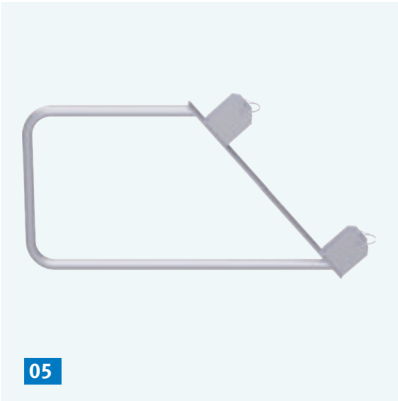
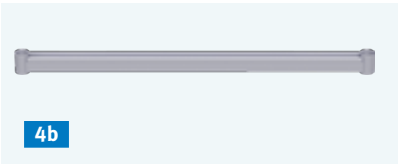
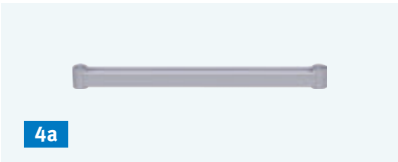
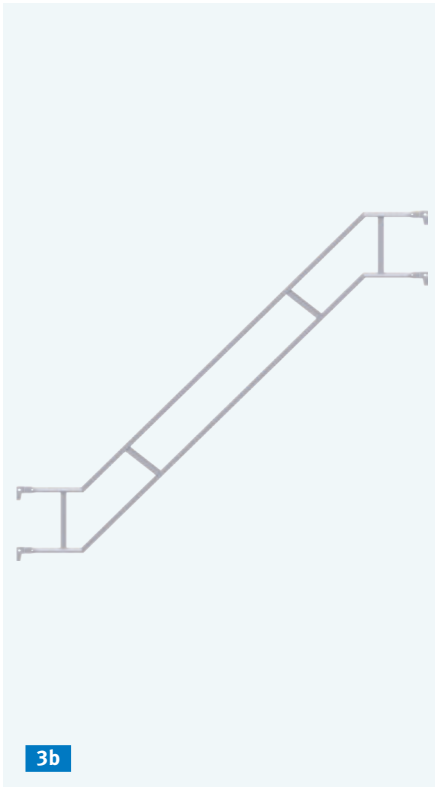
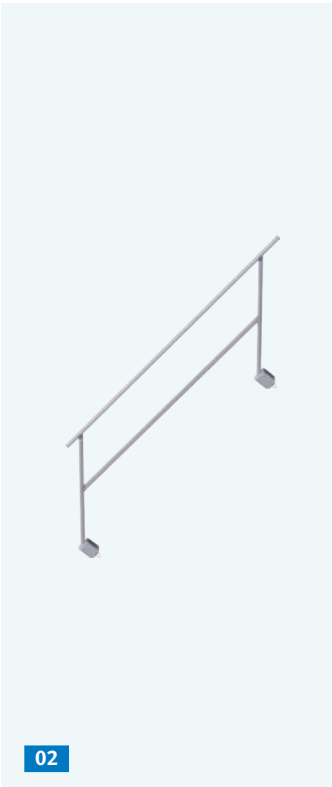
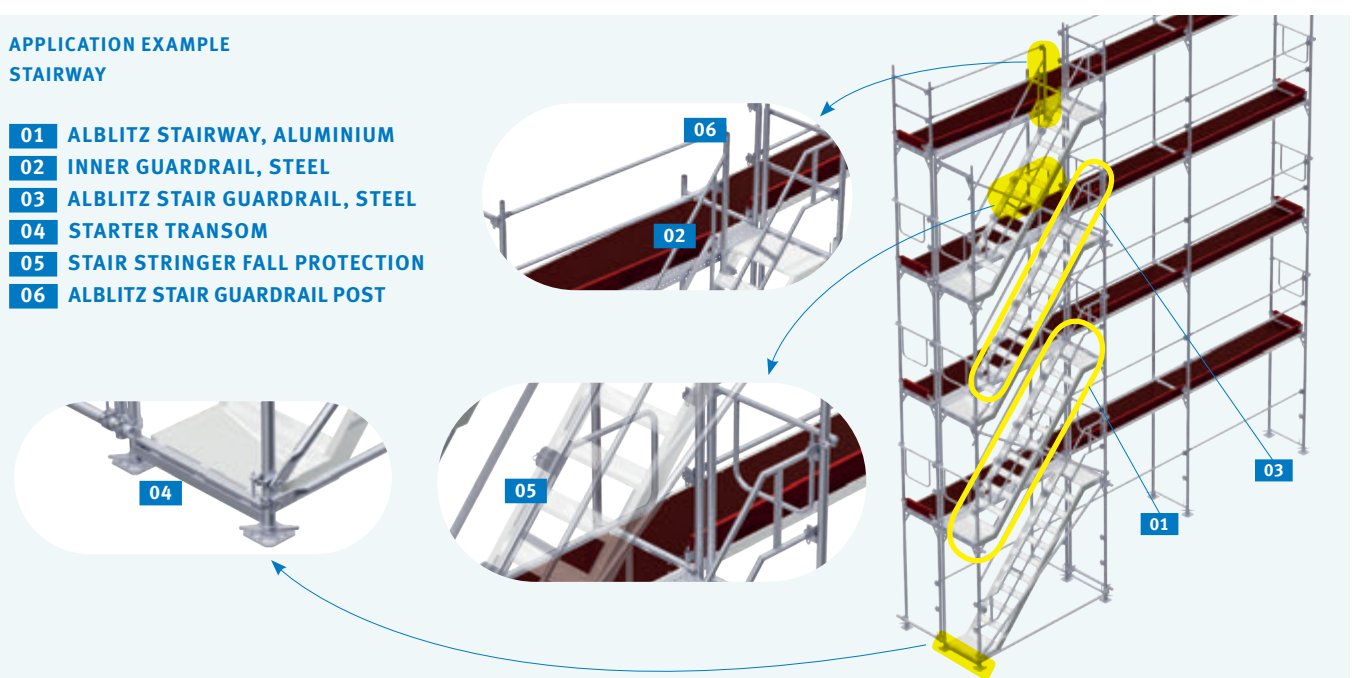


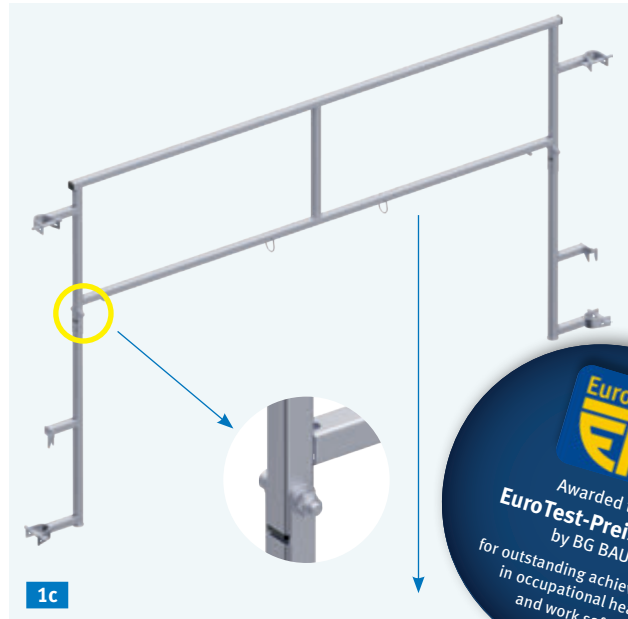
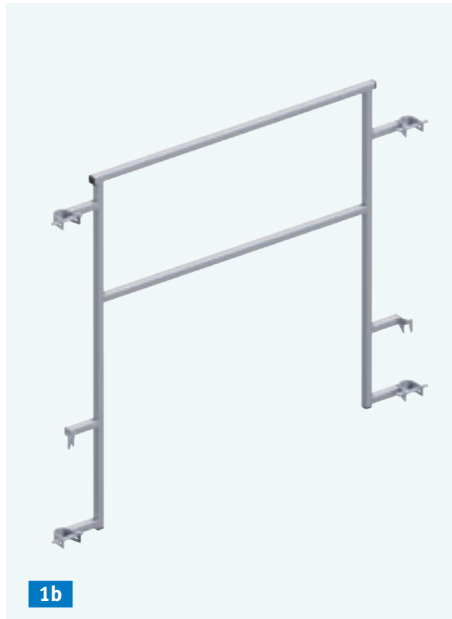
FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	ALBLITZ stairway, aluminium + max. load 2 kN/m ² (load class 3) — with system fixture, rise: 20 cm — suitable for platform stairway tower applications — width: 0.62 m	1a	2.07 × 1.50	23.2	12 98 207
		1b	2.57 × 2.00	26.0	12 98 257
		1c	3.07 × 2.00	32.0	12 98 307
02	Inner guardrail for aluminium stairway, height 2.00 m steel tube ø 33.7 mm; hot-dip galvanised — compatible with ALBLITZ aluminium stairway 01 — for use with alternating stairways — incl. linchpin 12 × 70 mm with snap-on lock		2.00	13.3	11 31 000
03	ALBLITZ stair guardrail, double + steel tube ø 33.7 mm — with fixture for guardrail wedge housings	3a	2.07 × 1.50	13.0	12 98 208
		3b	2.57 × 2.00	15.0	12 98 258
		3c	3.07 × 2.00	19.0	12 98 308
04	Starter transom + steel; hot-dip galvanised — serves as starting component for stairways	4a	0.73	2.8	14 01 073
		4b	1.09	5.4	14 01 109
05	Stair stringer fall protection + steel tube ø 33.7 mm; hot-dip galvanised — incl. linchpin 12 × 70 mm with snap-on lock — effective fall protection when using aluminium stairs		1.00 × 0.50	8.8	11 31 001
06	ALBLITZ stair guardrail post + steel; hot-dip galvanised — for use with outer stair access to protect against falls when working on upper scaffold decks		1.10	7.3	11 31 110

APPLICATION EXAMPLE STAIRWAY

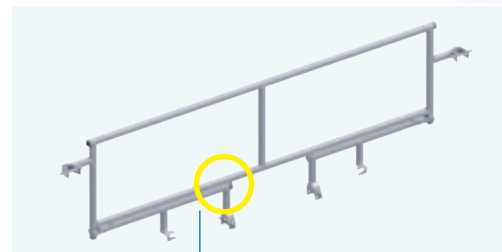
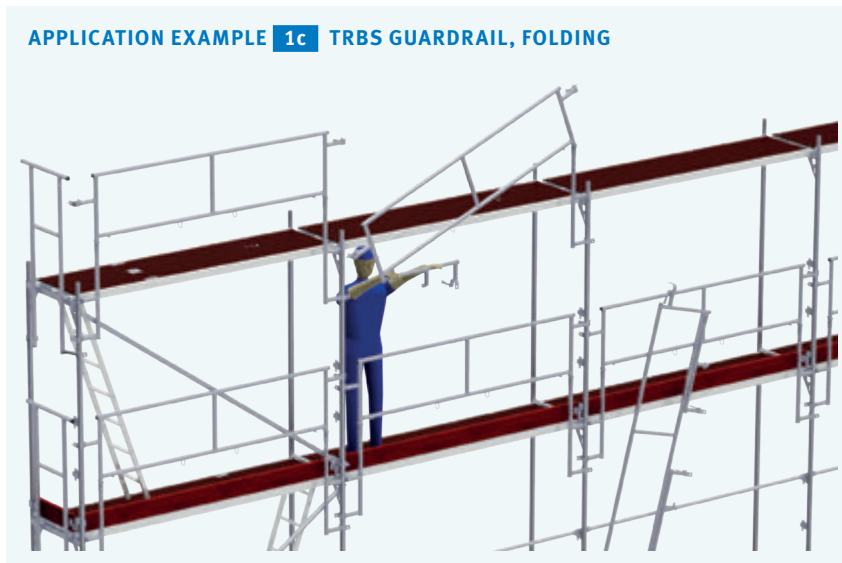
- 01 ALBLITZ STAIRWAY, ALUMINIUM
- 02 INNER GUARDRAIL, STEEL
- 03 ALBLITZ STAIR GUARDRAIL, STEEL
- 04 STARTER TRANSOM
- 05 STAIR STRINGER FALL PROTECTION
- 06 ALBLITZ STAIR GUARDRAIL POST



SIDE PROTECTION / TRBS GUARDRAIL



APPLICATION EXAMPLE **1c** TRBS GUARDRAIL, FOLDING



APPLICATION EXAMPLE **1c** TRBS GUARDRAIL, FOLDING

Disassembly from existing scaffold

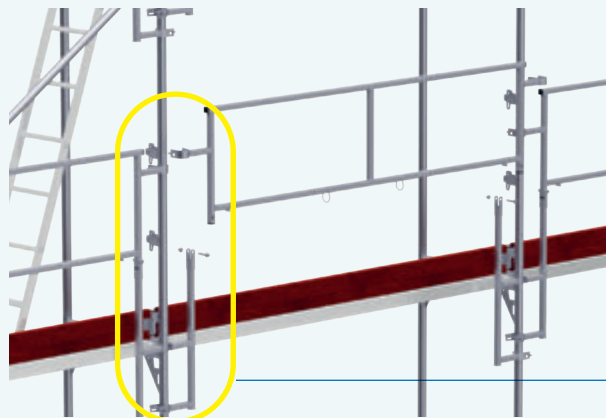
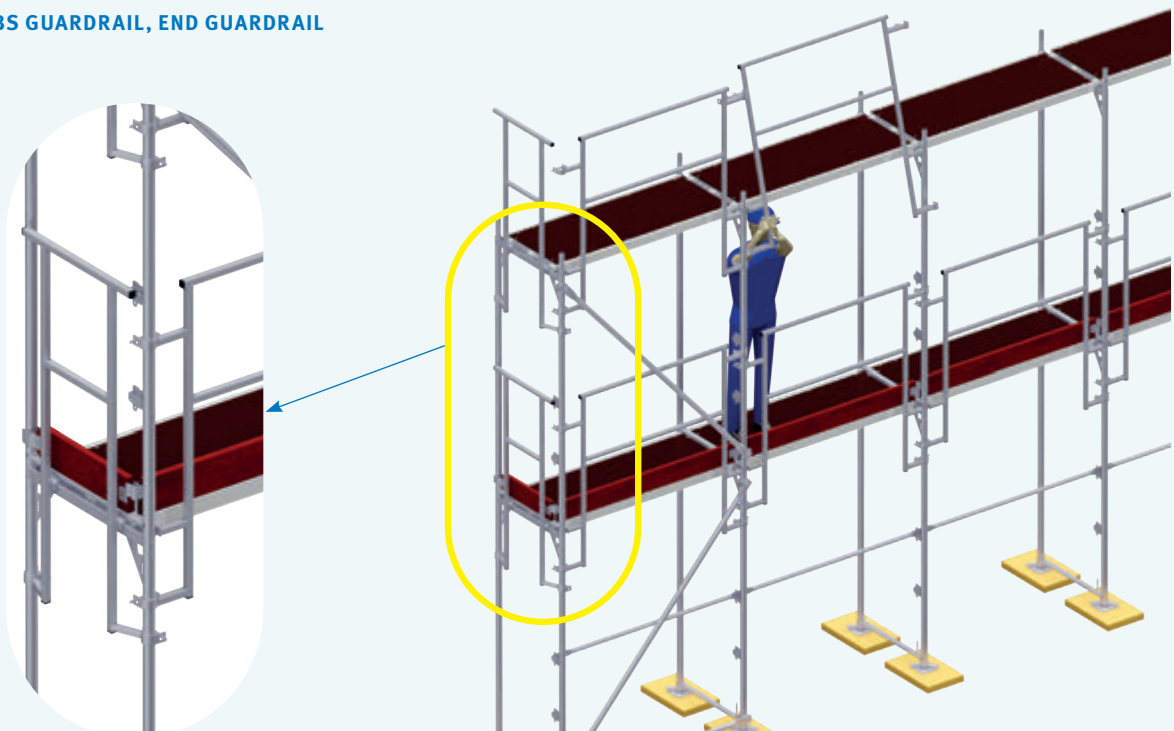


FIG.	DESCRIPTION	DIMENSIONS	WEIGHT	ARTICLE NO.
		L/H×W [m]	approx. [kg]	
01	TRBS guardrail + — advanced side protection in accordance with TRBS 2121-1 — system-integrated side protection: adequate alternative to the two-piece side protection — arbitrary assembly direction — all guardrails can easily be assembled by just one person — also applicable for internal and external corners, stairway towers and as internal guardrails — easy attachment of anchors and brackets by means of pulleys — can easily be disassembled subsequently if required			
1a	End guardrail steel; hot-dip galvanised	0.73	7.3	14 47 070
		1.09	8.3	14 47 100
1b	Rigid steel; hot-dip galvanised	0.73	8.1	14 47 073
		1.09	9.1	14 47 109
		1.57	10.5	14 47 157
1c	Folding steel; hot-dip galvanised	2.07	13.0	14 47 207
		2.57	14.4	14 47 257
		3.07	15.8	14 47 307

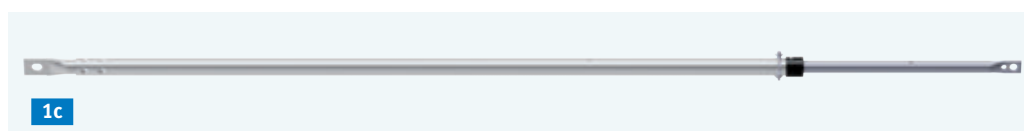
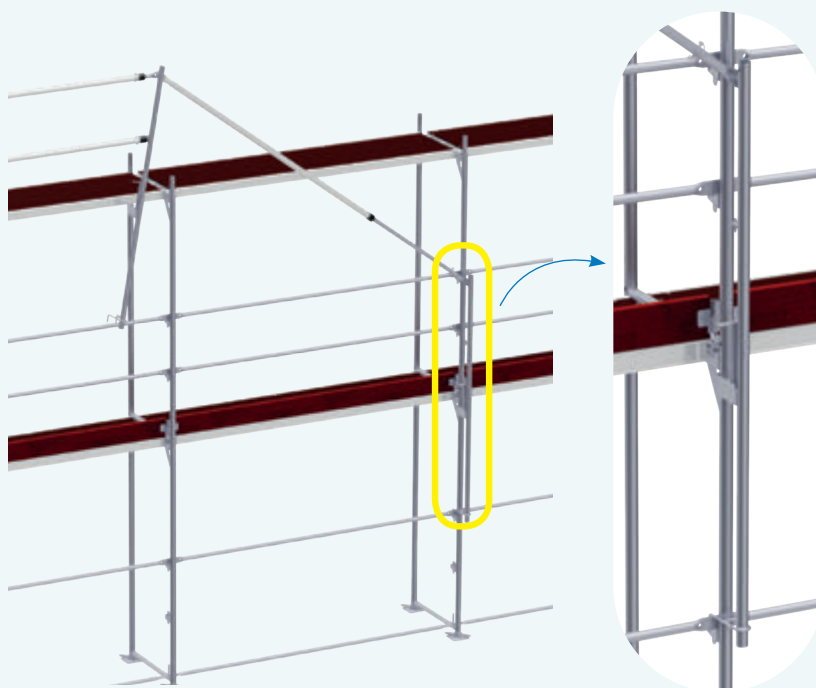
APPLICATION EXAMPLE

1a TRBS GUARDRAIL, END GUARDRAIL

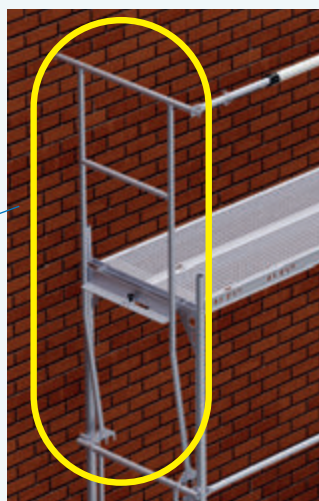
SIDE PROTECTION / ADVANCED GUARDRAIL



APPLICATION EXAMPLE **1a** ADVANCED GUARDRAIL POST
with convenient foot release mechanism




APPLICATION EXAMPLE
1b ADVANCED END GUARDRAIL
WITH LIFT-OFF PROTECTION



APPLICATION EXAMPLE
1d ADAPTER FOR ALFIX ADVANCED END
GUARDRAIL FRAME



FIG.	DESCRIPTION	DIMENSIONS	WEIGHT	ARTICLE NO.
		L/H×W [m]	approx. [kg]	
01	Advanced side protection 			
	<ul style="list-style-type: none"> — consisting of guardrail post, end guardrail & telescopic guardrail — safety device for scaffold assembly/disassembly — suitable for all compatible scaffolding systems — to ensure appropriate use, please refer to the Instructions for Assembly and Use or the Employer's Liability Insurance Association regulations for the Building Trade 			
1a	Advanced guardrail post steel; hot-dip galvanised	2.00	6.2	14 43 100
1b	Advanced end guardrail frame steel; hot-dip galvanised	0.73	9.0	14 43 301
	— with lift-off protection	1.09	12.4	14 43 303
1c	Advanced telescopic guardrail steel; hot-dip galvanised / aluminium	2.00 – 2.57	4.8	14 43 220
	— with linchpin with snap-on lock, undetachable, as a means of transport security	2.50 – 3.07	6.0	14 43 200
1d	Adapter for ALFIX advanced end guardrail frame steel; hot-dip galvanised	0.16	0.6	14 43 302
02	Safety helmet with chin strap	2a white (not shown)	0.4	37 50 018
		2b yellow	0.4	37 50 024
03	Personal fall protection equipment kit (PPE) EN 354 / 355 / 361 / 363 ; sharp-edge tested			37 67 009
	<ul style="list-style-type: none"> — with special carabiners to suit scaffolding use — delivered in a functional PVC bag — 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. 04 ratchet spanner holster 			
04	Ratchet spanner holster			37 50 017
	— with Pivot Link™ attachment point for secure attachment to the safety harness			



SIDE PROTECTION / GUARDRAILS

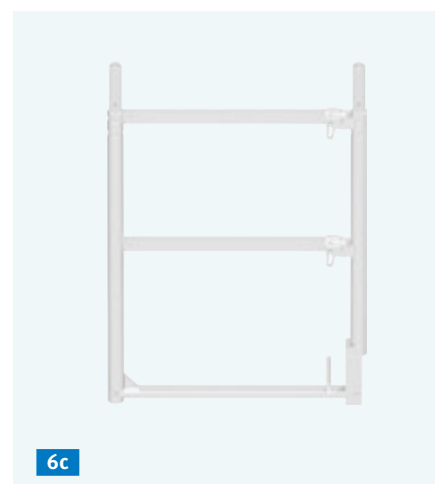
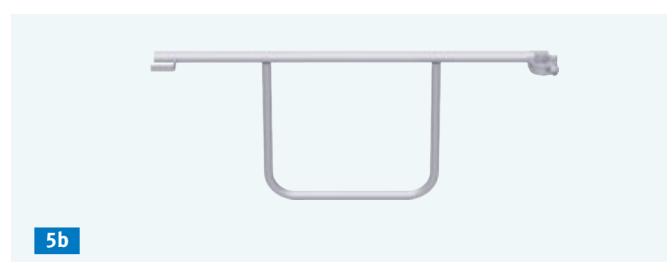
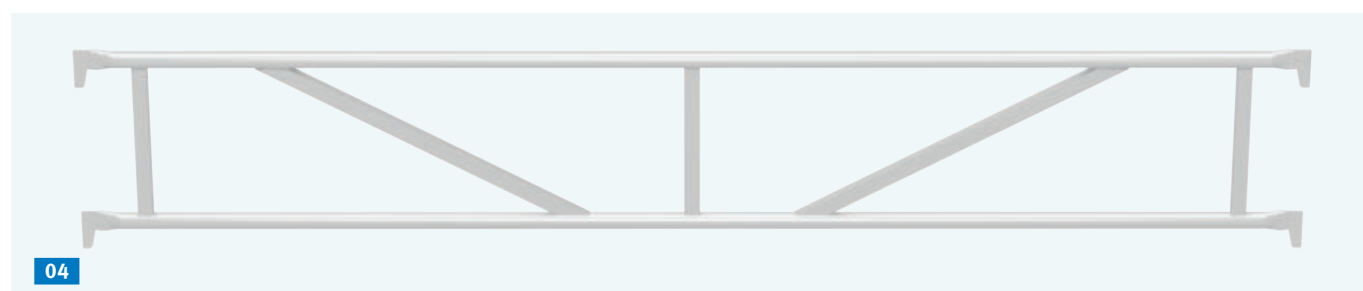
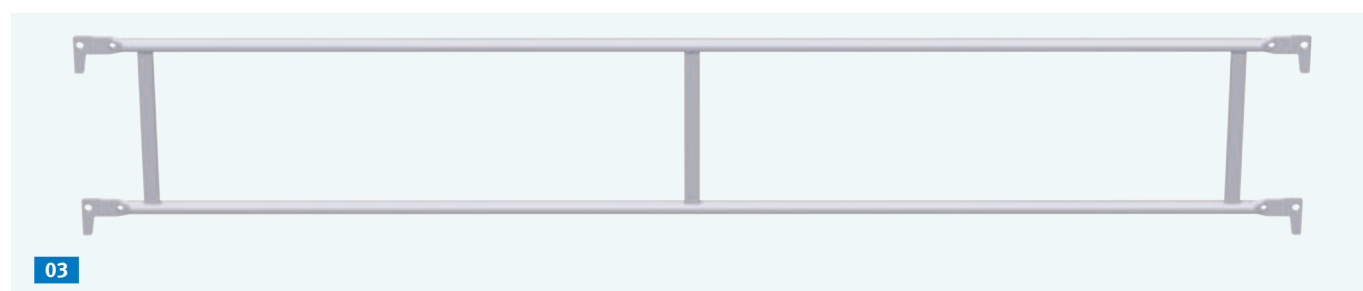
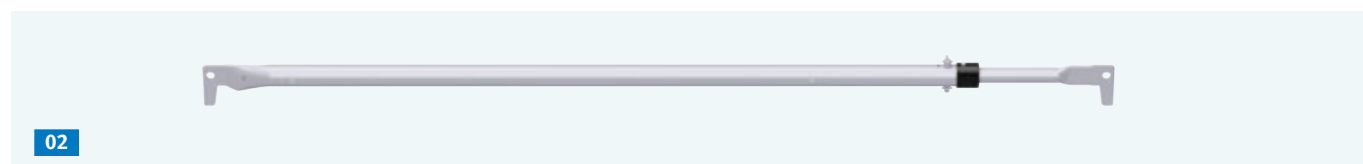
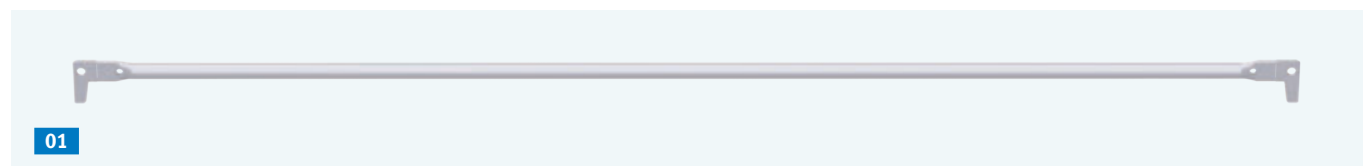
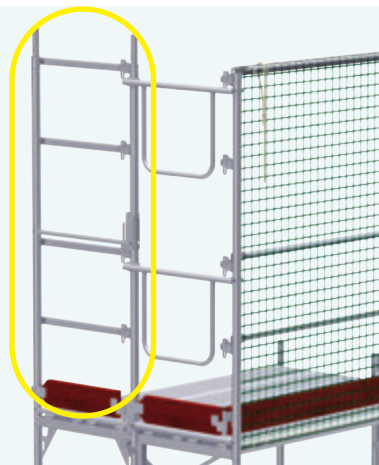


FIG.	DESCRIPTION	DIMENSIONS		WEIGHT	ARTICLE NO.
		L/H×W [m]		approx. [kg]	
01	Guardrail steel tube ø 33.7 mm; hot-dip galvanised — for construction of side protection — with fixture for guardrail wedge housings — available for all bay lengths — Guardrails can also be used as horizontal struts due to a borehole in the mounting hook (see pages 28/29)	0.73		1.7	10 60 073
		1.09		2.4	10 60 109
		1.57		3.4	10 60 157
		2.07		4.4	10 60 207
		2.57		5.2	10 60 257
		3.07		5.7	10 60 307
02	Telescopic guardrail steel tube; hot-dip galvanised — continuously adjustable by means of telescopic tube — incl. linchpin with snap-on lock for transport security	1.57–2.57		6.3	10 99 000
		2.07–3.07		8.3	10 99 001
03	Double guardrail, steel steel tube ø 33.7 mm; hot-dip galvanised — for construction of side protection with simultaneous diagonal bracing	1.57		8.4	10 61 157
		2.07		10.4	10 61 207
		2.57		12.1	10 61 257
		3.07		15.6	10 61 307
		4.14		21.5	10 61 414
04	Double guardrail, aluminium aluminium tube ø 40 mm; with intermediate diagonal braces — for construction of side protection with simultaneous diagonal bracing	1.57		3.3	10 51 158
		2.07		4.5	10 51 208
		2.57		5.4	10 51 258
		3.07		6.0	10 51 308
05	Double end guardrail + steel tube ø 33.7 mm, hot-dip galvanised — for use as side protection on the end sides	5a WS 19	0.73	3.8	10 62 073
		5b WS 19	1.09	4.5	10 62 109
06	End guardrail frame + tube ø 48.3 mm — serves as end side protection and lift-off preventer on top level — patented fixture slot for fixing tube end parts of guardrail posts or protective net posts	6a steel hot-dip galvanised	1.00 × 0.73	13.0	10 63 073L
		6b steel hot-dip galvanised	1.00 × 1.09	16.2	10 63 109
		6c aluminium	1.00 × 0.73	6.0	10 52 073

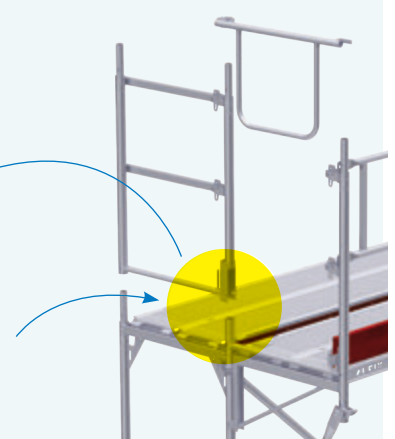
APPLICATION EXAMPLE

6a END GUARDRAIL FRAME

ASSEMBLY

6a END GUARDRAIL FRAME

End guardrail frame with patented fixture slot



SIDE PROTECTION / GUARDRAILS



APPLICATION EXAMPLE INTERNAL GUARDRAIL HOLDER

01 INTERNAL GUARDRAIL HOLDER



APPLICATION EXAMPLE

The tube connectors in the guardrail posts allow for connecting two posts and thus ensuring a simple and space-saving storage and transport.

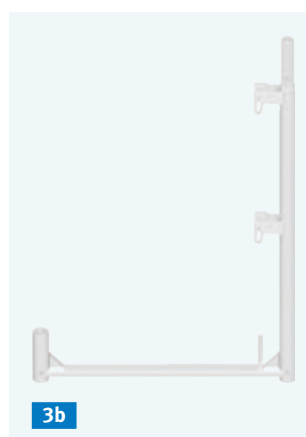
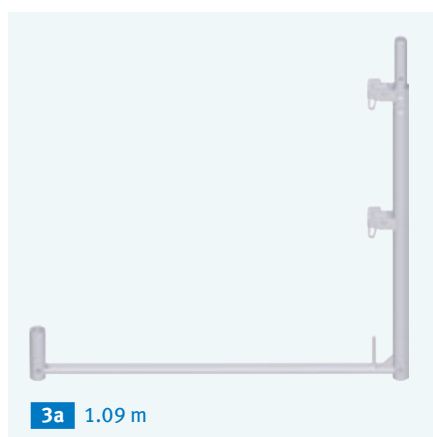
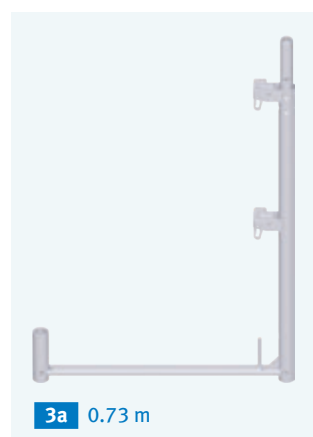
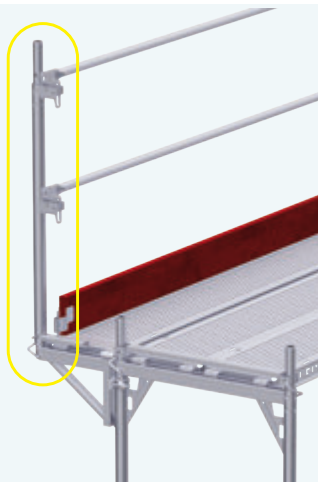
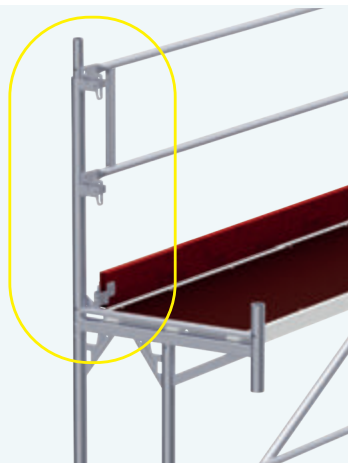


FIG.	DESCRIPTION		DIMENSIONS	WEIGHT	ARTICLE NO.
			L/H×W [m]	approx. [kg]	
01	Internal guardrail holder + steel; hot-dip galvanised		1.00	3.6	10 65 713
	— with bended profile coupler — for quick assembly of a three-part side protection				
02	Guardrail post, single + ø 48.3 mm; with short lift-off preventer	2a steel hot-dip galvanized	1.00	5.4	10 65 100L
	— also serves as upper lift-off preventer at bracket level 0.36 m — patented guardrail locking mechanism	2b aluminium	1.00	2.8	10 54 000
03	Guardrail post + ø 48.3 mm	3a steel hot-dip galvanized	1.00 × 0.73	7.0	10 64 073L
	— simultaneously serves as upper lift-off preventer — patented guardrail locking mechanism		1.00 × 1.09	8.5	10 64 100
		3b aluminium	1.00 × 0.73	3.4	10 53 100
04	Corner guardrail wedge housing + steel; hot-dip galvanised			1.3	13 09 001
	— for easy assembly of telescopic guardrails (within corner sections)				

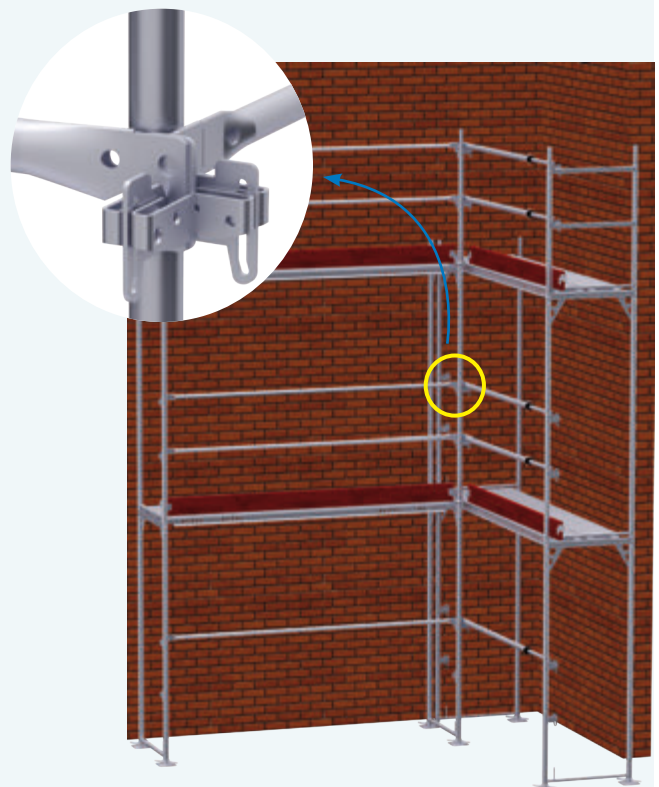
APPLICATION EXAMPLE

2a GUARDRAIL POST, SINGLE

APPLICATION EXAMPLE

3a GUARDRAIL POST

APPLICATION EXAMPLE

04 CORNER GUARDRAIL WEDGE HOUSING

SIDE PROTECTION / TOEBOARDS

01



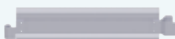
02



03 0.73 m



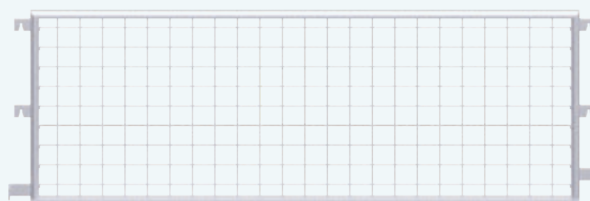
04 0.73 m



05 rolled up guard net system



06

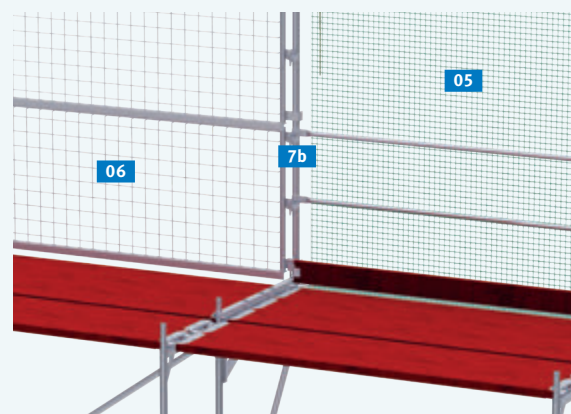


APPLICATION EXAMPLE

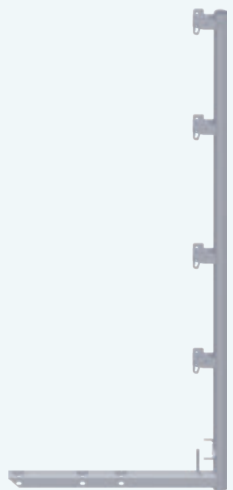
05 GUARD NET SYSTEM

06 SAFETY SIDE MESHGUARD

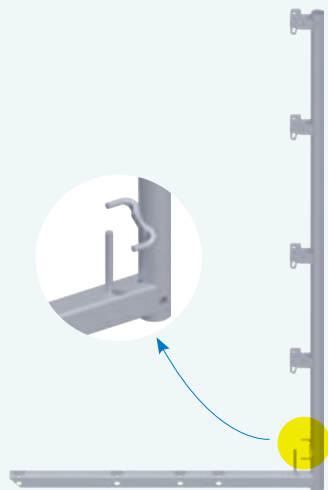
7b PROTECTIVE NET POST



7a 0.36/ 0.50/ 0.73 m



7b 0.36/ 0.50/ 0.73/ 1.09 m



APPLICATION EXAMPLE

7a PROTECTIVE NET POST

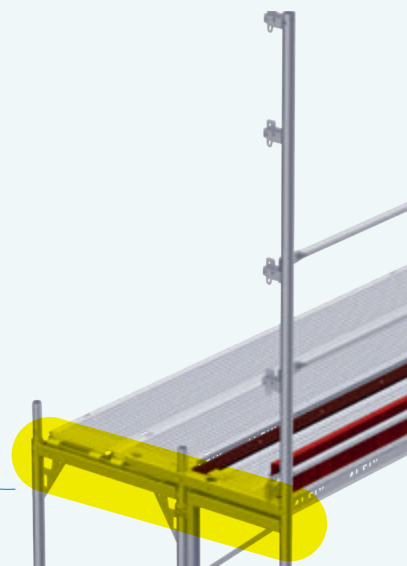
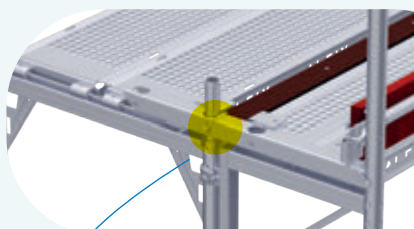


FIG. DESCRIPTION		DIMENSIONS		WEIGHT	ARTICLE NO.
		L/H×W [m]		approx. [kg]	
01	Toeboard, wood — impregnated wood (weather-resistant) — fitted with toeboard pins or toeboard coupler — with claws; standard height 15 cm	0.73		2.0	12 50 073
		1.09		2.7	12 50 109
		1.57		4.0	12 50 157
		2.07		5.0	12 50 207
		2.57		6.5	12 50 257
		3.07		7.5	12 50 307
		4.14		9.0	12 50 414
02	Toeboard, steel steel; galvanised — fitted with toeboard pins or toeboard coupler — with claws; standard height 15 cm	0.73		1.7	12 52 073
		1.09		2.4	12 52 109
		1.57		3.4	12 52 157
		2.07		4.4	12 52 207
		2.57		5.4	12 52 257
		3.07		6.4	12 52 307
		4.14		8.5	12 52 414
03	End toeboard, wood — impregnated wood (weather-resistant) — fitted with toeboard pins or toeboard coupler — with claws; standard height 15 cm	0.73		1.7	12 51 073
		1.09		2.4	12 51 109
04	End toeboard, steel steel; galvanised — fitted with toeboard pins or toeboard coupler — with claws; Höhe: 15 cm	0.73		1.7	12 51 076
		1.09		2.4	12 51 112
05	Guard net system + ready for mounting; mesh size 100 mm — with guardrail and aluminium tube with tube connector — with integrated fixing cords (left and right) — for system-independent nets please refer to the ALFIX Accessories Catalogue	2.07 × 2.00		4.7	14 22 207
		2.57 × 2.00		6.8	14 22 257
		3.07 × 2.00		8.1	14 22 307
06	Safety side meshguard + steel tube ø 38 mm; hot-dip galvanised — for use in conjunction with brick guards — if a safety net post is used, two safety side meshguards are mounted one above the other	2.07 × 1.00		17.2	14 27 200
		2.57 × 1.00		20.2	14 27 257
		3.07 × 1.00		23.2	14 27 307
07	Protective net post + steel tube ø 48.3 mm; hot-dip galvanised — for use in conjunction with brick guards on brackets of 0.36 m; 0.50 m; 0.73; 1.09 m — with 4 guardrail wedge housings — additional fixture for accommodating guardrails when installing lower side protection	7a	2.00 × 0.36/ 0.50/ 0.73	13.5	10 71 077
		7b	2.00 × 0.36/ 0.50/ 0.73/ 1.09	17.3	10 71 109

EXTENSION PARTS

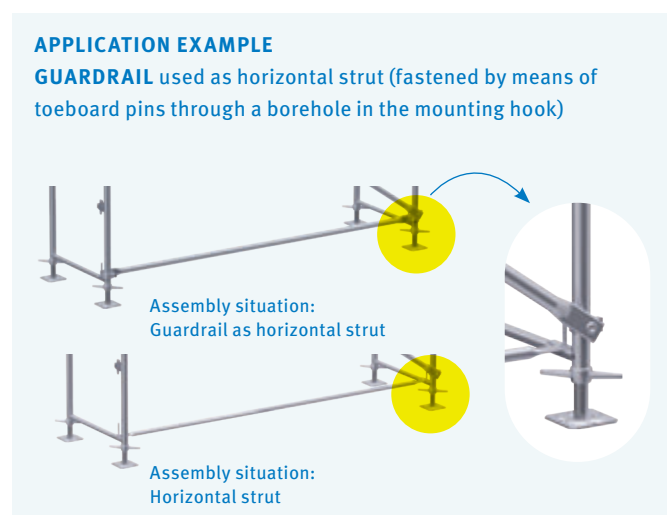
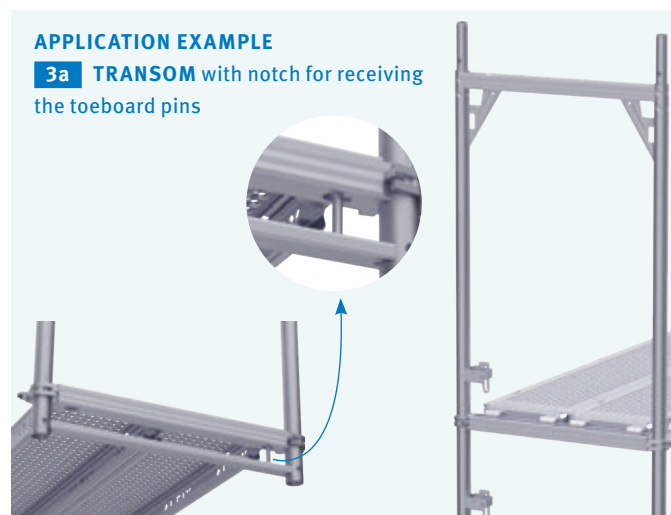
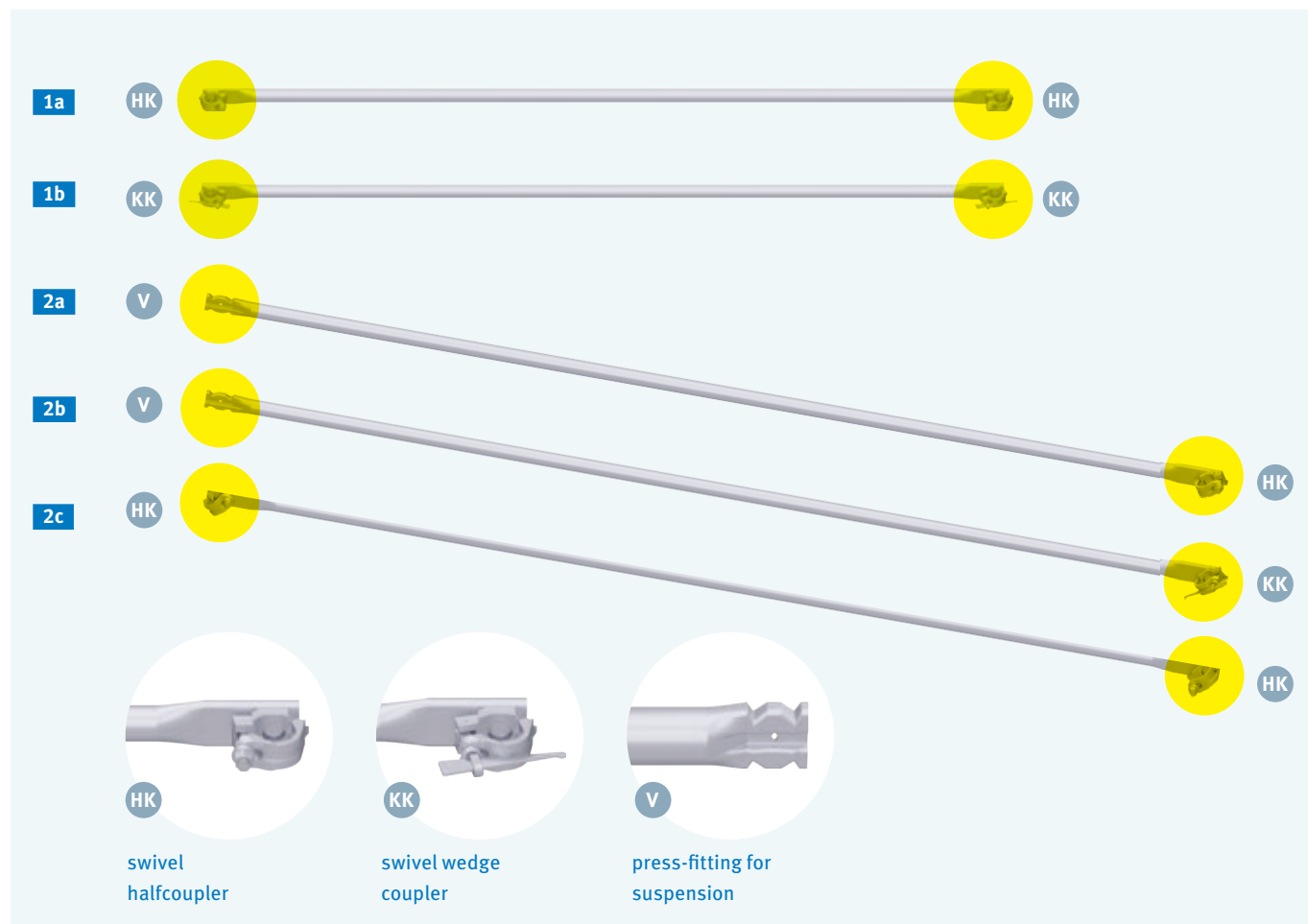
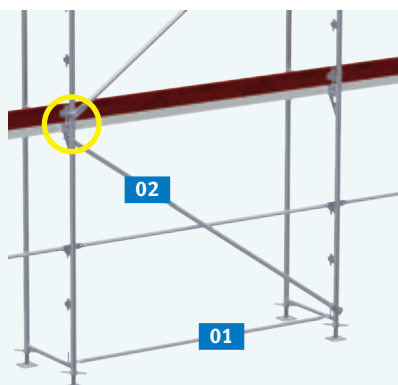


FIG.	DESCRIPTION		DIMENSIONS		WEIGHT	ARTICLE NO.
			L/H×W [m]		approx. [kg]	
01	Horizontal strut + steel tube ø 42.4 mm; hot-dip galvanised — for the lower horizontal connection in a diagonal bay	1a with two swivel halfcouplers, wrench size 19	2.07		5.5	11 02 207
			2.57		6.5	11 02 257
			3.07		7.6	11 02 307
		1b with two swivel wedge couplers	2.07		5.5	11 02 208
			2.57		6.5	11 02 258
			3.07		7.6	11 02 308
02	Diagonal brace + steel tube ø 42.4 mm; hot-dip galvanised — for bracing the scaffolding — alignment of assembly frames possible for single-sided suspension in gusset, except for bay length 1.57 m and 4.14 m	2a with swivel halfcoupler, wrench size 19	for bay 2.07 m	2.80	6.5	11 00 280
			for bay 2.57 m	3.20	7.3	11 00 320
			for bay 3.07 m	3.60	7.9	11 00 360
		2b with swivel wedge coupler	for bay 2.07 m	2.80	6.5	11 00 281
			for bay 2.57 m	3.20	7.3	11 00 321
			for bay 3.07 m	3.60	7.9	11 00 361
		2c with two swivel halfcouplers, wrench size 19	for bay 1.57 m	2.36	6.1	11 00 150
			for bay 4.14 m ø 57.0 mm	4.43	14.0	11 00 414
03	Transom + steel; hot-dip galvanised — U-profile with halfcouplers for accommodating decks at intermediate levels or directly above the lift-off preventer of assembly frames with the purpose of building a deck surface for storey ladders with notch for receiving the toeboard pins of the assembly frames	3a	WS 19	0.73	3.2	14 02 719
		3b	WS 19	1.09	5.9	14 02 119
04	Quick-release anchor steel tube ø 48.3 mm; hot-dip galvanised — with hooks and guide plate to secure against rotation, for suspension below the U-profile — flexible wall distance, fastened with one standard coupler		0.65		2.3	13 62 065
05	Distance tube steel tube ø 48.3 mm; hot-dip galvanised — assembly with two standard couplers to both frame tubes, starting at a length of 1.00 m — with borehole for locking the EIFS anchor sleeve using a linchpin 12 × 70 mm, starting at a length of 1.00 m		0.40		1.5	13 61 040
			1.00		3.3	13 61 100
			1.30		4.2	13 61 130
			1.50		4.8	13 61 150

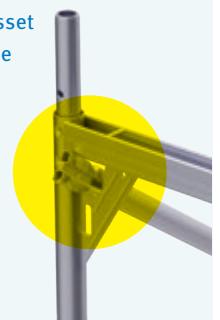
APPLICATION EXAMPLE

- 01 Horizontal strut
02 Diagonal brace

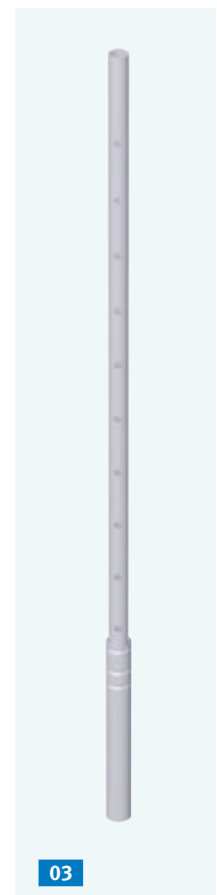
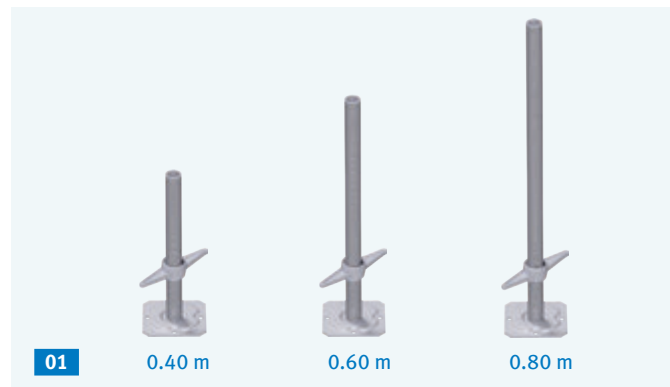


APPLICATION EXAMPLE

- 02 DIAGONAL BRACE
suspended in the gusset of the assembly frame



EXTENSION PARTS



APPLICATION EXAMPLE

06 ROLLING BEAM, UNIVERSAL DESIGN

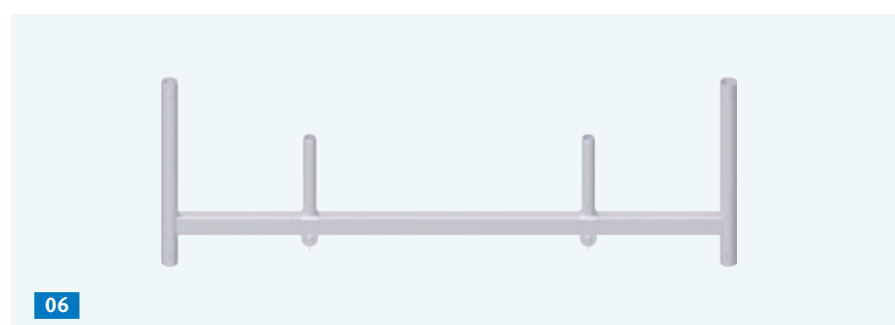
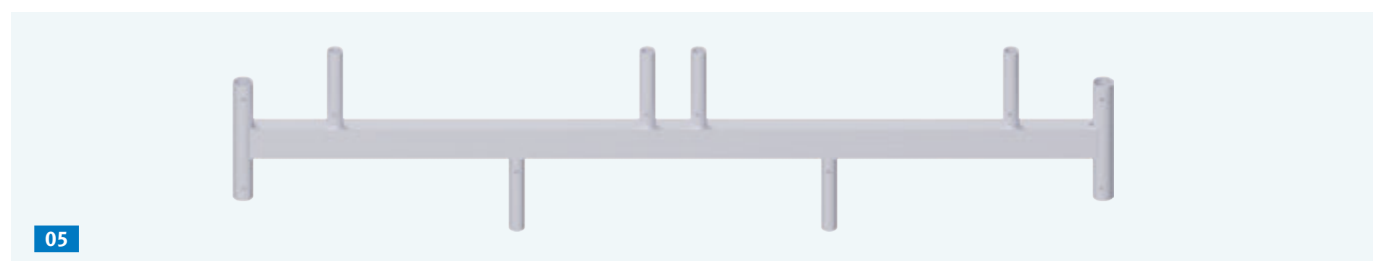
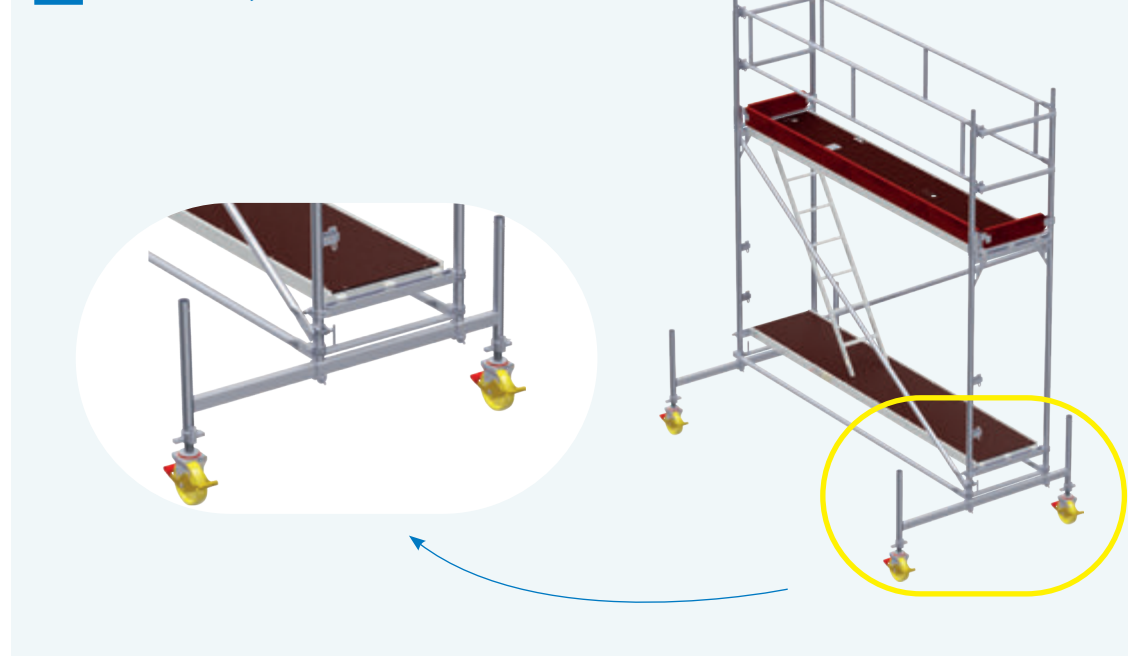
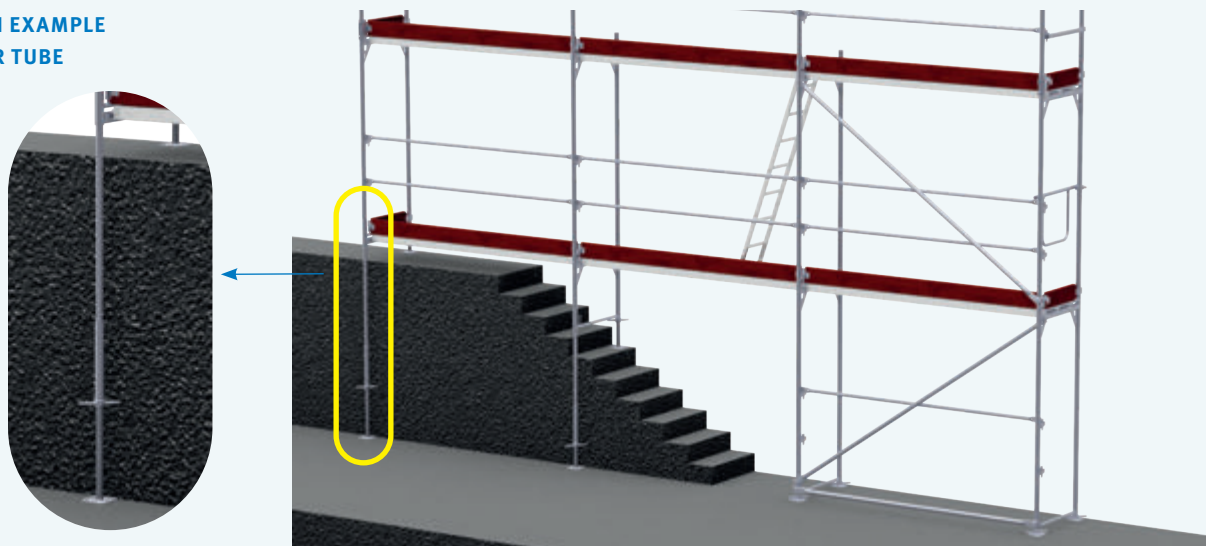


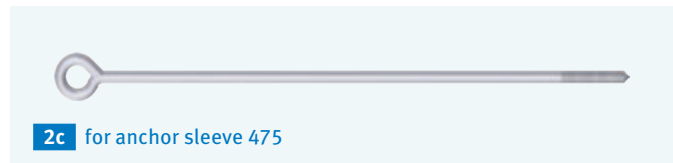
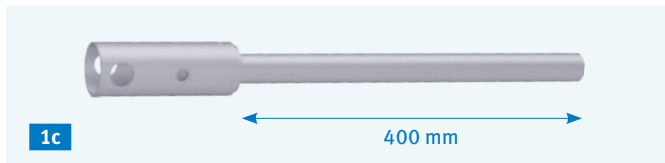
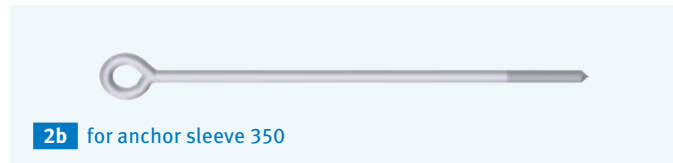
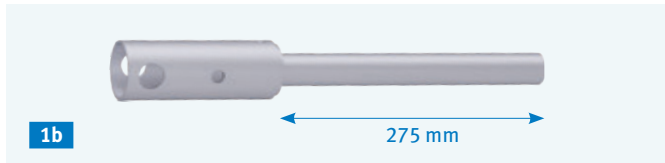
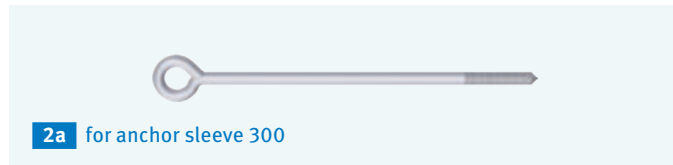
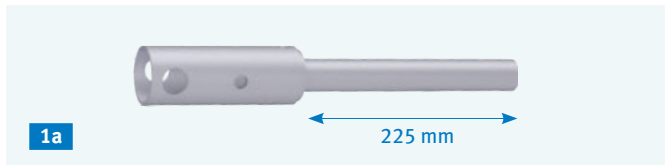
FIG.	DESCRIPTION	SPINDLE TRA- VEL [max.]	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	Base jack steel; hot-dip galvanised — baseplate 15 × 15 cm; threaded tube ø 38 mm	0.25	0.40	3.0	11 51 040
		0.45	0.60	3.6	11 51 060
		0.60	0.80	4.4	11 51 080
02	Base jack, swivelling steel; hot-dip galvanised — baseplate 15 × 15 cm; threaded tube ø 38 mm	0.45	0.60	4.5	11 52 060
03	Spacer tube + steel; hot-dip galvanised — adjustment function, e.g. with downward stairway; secured by locking pin — multiple height adjustment possibilities thanks to 120 mm hole raster		1.80	6.4	13 60 180
04	Locking pin steel; hot-dip galvanised — to secure scaffolding components			0.13	14 50 000
05	Rolling beam steel; hot-dip galvanised — for system width 0.73 m — width: 2 m; with tube connectors at different positions for various modes of assembly and fitting		2.00	18.6	14 12 200
06	Rolling beam, universal design + steel; hot-dip galvanised — two moveable tube connectors allow for system- independent use		1.60	10.7	30 07 510
			2.00	14.6	30 07 610
07	Castor — 200 mm roller diameter, with twinbrake lever — load centering — with thread for adjusting the height — permissible load 10 kN — wing nut with lock	0.35	0.50	6.5	14 12 007

APPLICATION EXAMPLE

03 SPACER TUBE



ANCHORING



APPLICATION EXAMPLE
EIFS ANCHOR PAIR assembled
(wall without heat insulation)

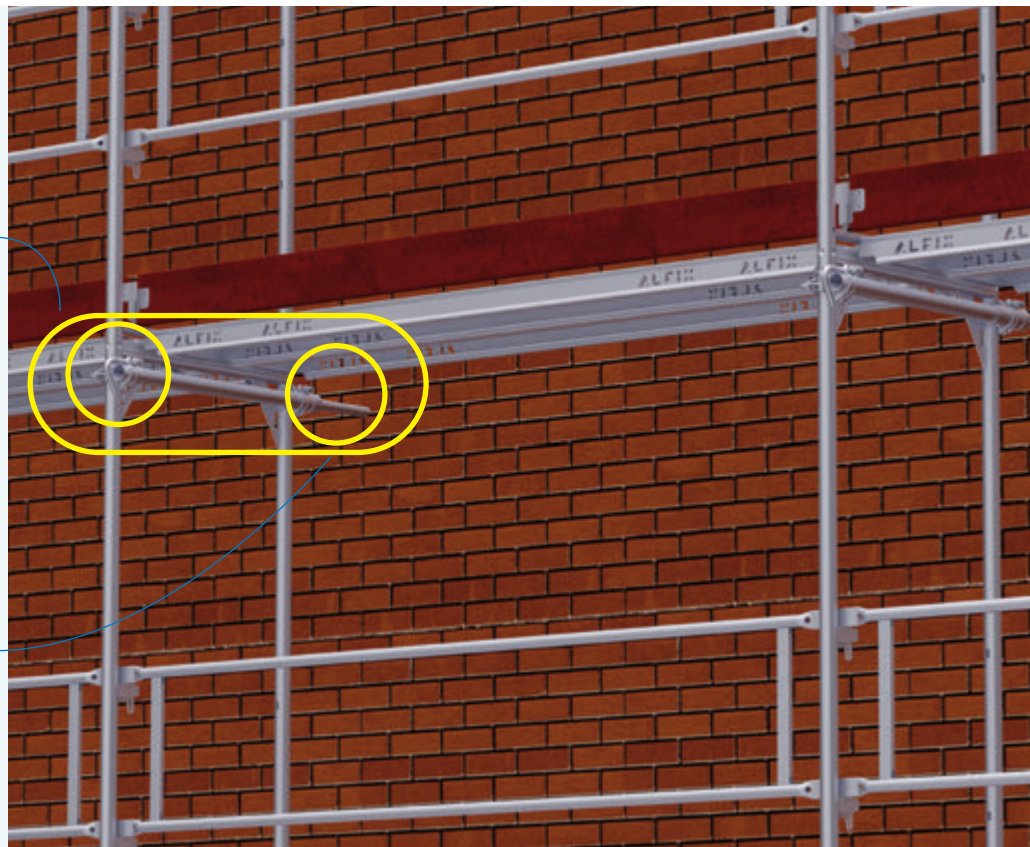
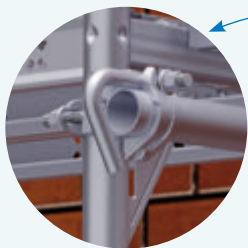


FIG.	DESCRIPTION	LENGTH [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	Anchor sleeve steel; hot-dip galvanised <ul style="list-style-type: none"> – for anchoring façade scaffoldings to buildings for which EIFS is required / has already been installed – anchoring generally required only at every 4th-5th anchoring point – can be completely removed when dismantling, and is therefore suitable for reinstallation several times – the opening resulting from the removal of the anchor sleeve must be sealed using an EIFS NEOPOR® 32 insulation plug and a lamellar plug – for insulation thicknesses of up to 160 mm and when using standard reduction couplers additional widening of the bay is not required 	1a 300	1.8	13 60 300
		1b 350	2.0	13 60 350
		1c 475	2.8	13 60 475
02	Ring screw galvanised; Ø 12 mm	2a 300	0.3	37 02 300
		2b 350	0.4	37 02 350
		2c 500	0.6	37 02 500
03	Flexible corrugated tube plastic; black	25	3.6	13 60 025
04	EIFS insulation plug NEOPOR® 32 220 mm			13 60 002
05	Linchpin galvanised; 12 × 70 mm, with snap-on lock		0.1	13 60 000
06	Lamellar plug plastic; nature; Ø 32 mm			13 60 001
07	Standard reduction coupler 60/48 mm; WS 19		1.5	13 11 419



PLAN, DESIGN AND ORDER THE SCAFFOLDING STRUCTURE THAT MEETS YOUR NEEDS.

<https://www.alfix-systems.com/en/shop>

For detailed information on anchor sleeve application please refer to the respective Instructions for Assembly and Use. Instruction videos and further information at www.alfix-systems.com.

BRACKETS

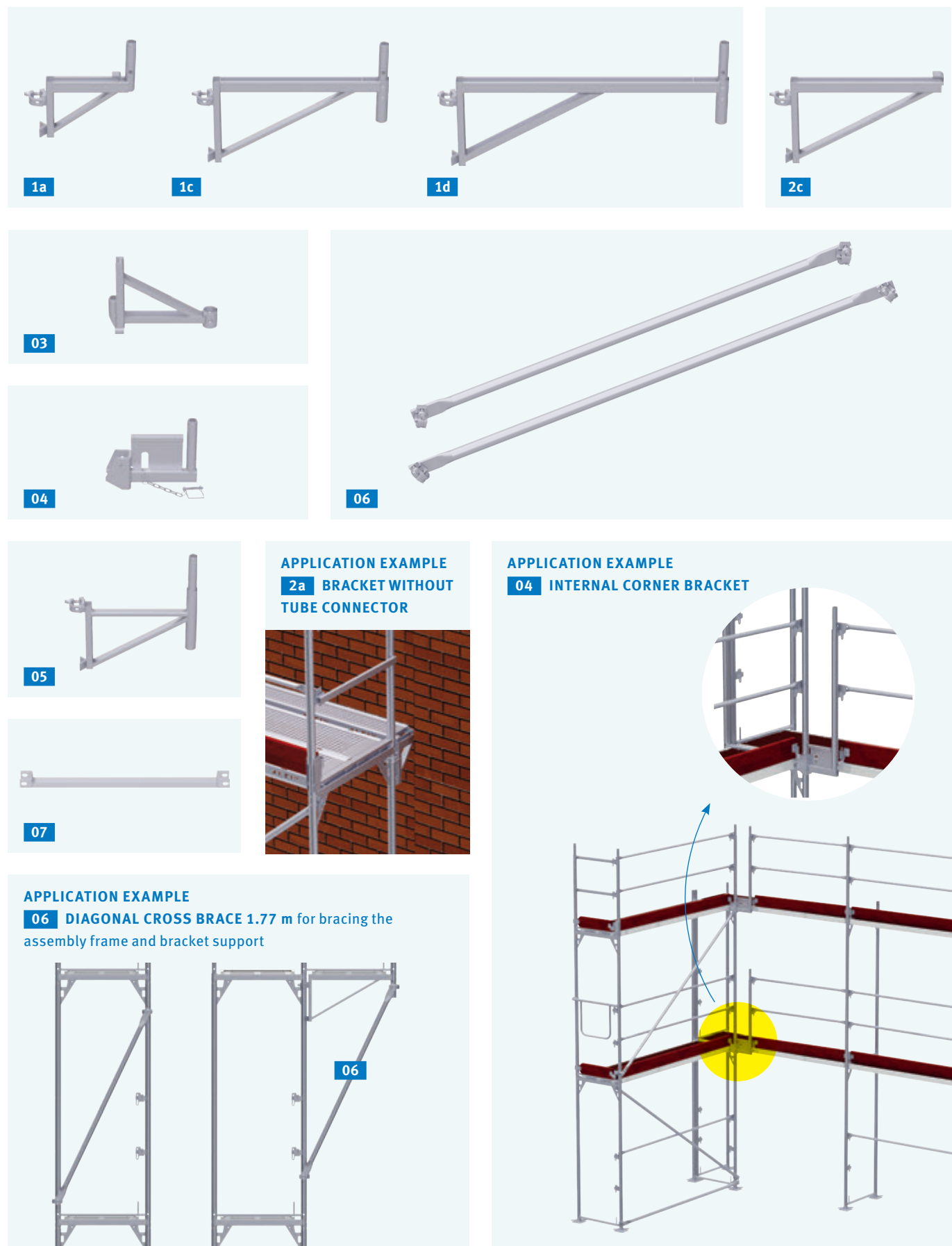
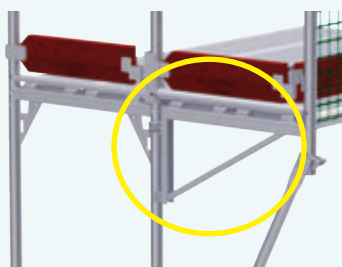


FIG.	DESCRIPTION		LENGTH [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	Bracket + steel; hot-dip galvanised — with U-profile for system decks — for widening scaffolding bays / converting projecting building parts	1a	0.36	3.7	10 30 036
		1b (not shown)	0.50	4.5	10 30 050
		1c	0.73	6.7	10 30 073
		1d	1.09	7.0	10 30 109
02	Bracket + steel; hot-dip galvanised — see pos. 01	2a without tube connector (not shown)	0.24	2.5	10 30 024
		2b without tube connector (not shown)	0.36	3.0	10 30 037
		2c without tube connector	0.73	5.0	10 30 081
03	Bracket, special design steel; hot-dip galvanised — for transitions from 1.09 m to 0.73 m and 0.73 m to 0.37 m — see page 8 for application example		0.36	2.9	10 49 036
04	Internal corner bracket + steel; hot-dip galvanised; mit Rohrklappstecker — for barrier-free access to inner corners in façade scaffolding — facilitates the use of system-compatible components for side protection instead of using tube coupling devices		0.27	3.2	10 49 025
05	Bracket 0.50 m + steel; hot-dip galvanised — for extending or shortening the scaffolding bay within the grid dimension by 0.50 m sections — The use of a ALFIX transom (see p. 28) is required for accommodating the 0.50 m frame platform with fixture for U-profiles.		0.50	5.0	10 49 050
06	Diagonal cross brace + steel tube ø 42.4 mm; hot-dip galvanised — to support the bracket when used as brick guard or in case it is structurally required, e.g. for bracing the assembly frames in transversal direction	for bracket 0.73 m	1.77	4.8	11 28 719
		for bracket 1.09 m	1.95	5.2	11 28 119
07	Lift-off preventer for bracket steel; hot-dip galvanised		0.36	0.9	10 48 036
			0.50	1.2	10 48 050
			0.73	1.5	10 48 073
			1.09	2.3	10 48 109

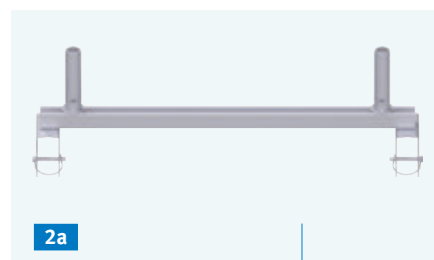
APPLICATION EXAMPLE

1c BRACKET 0.73 m

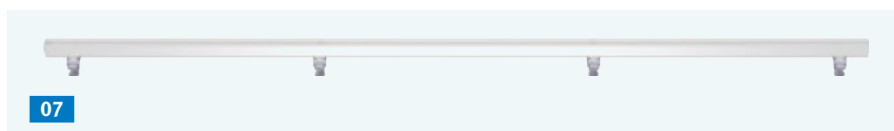
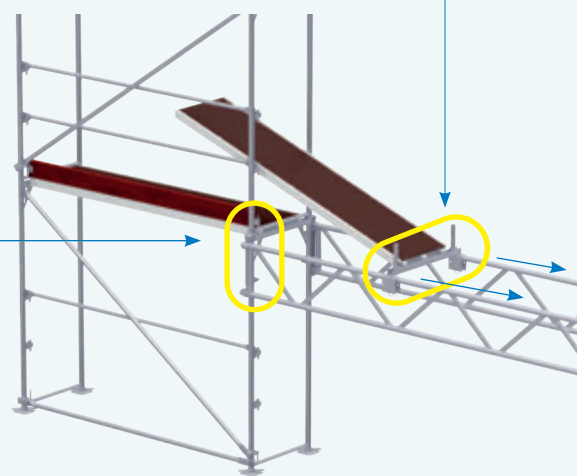
APPLICATION EXAMPLE

05 BRACKET 0.50 m for extending or shortening the scaffolding bay

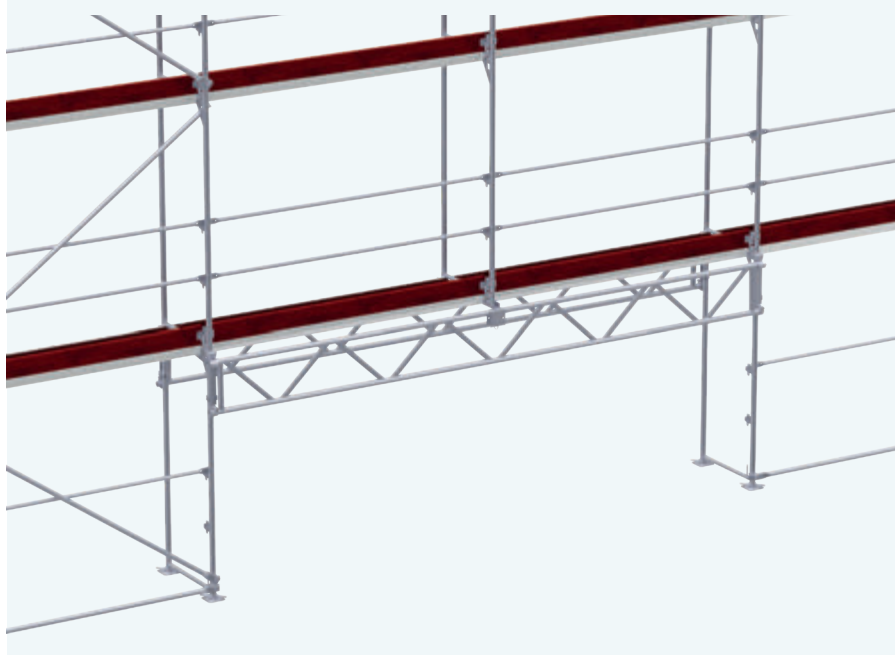
LATTICE GIRDERS



APPLICATION EXAMPLE 04 SUSPENSION for 01 LATTICE GIRDER and 02 LATTICE GIRDER CROSS BRACE



APPLICATION EXAMPLE 01 LATTICE GIRDER and 02 LATTICE GIRDER CROSS BRACE



APPLICATION EXAMPLE 06 WALL CONNECTOR PLATE for 01 LATTICE GIRDER

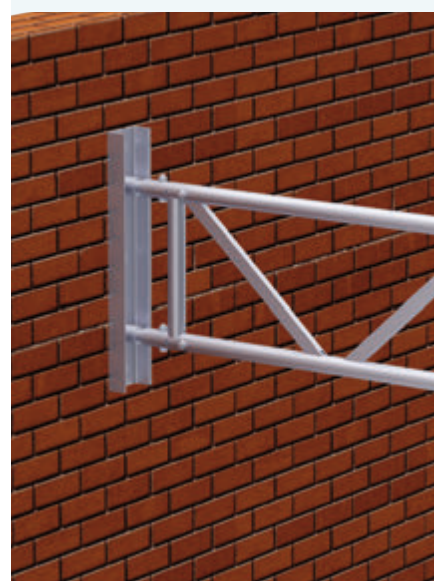


FIG. DESCRIPTION		DIMENSIONS		WEIGHT	ARTICLE NO.
		L/H×W [m]		approx. [kg]	
01	Lattice girder + tube ø 48.3 mm; — for use in façade scaffolding for construction-related bridging purposes — Load-bearing capacity depending on material and bridging length! — For loading tables see respective approval or Instructions for Assembly and Use.	1a steel hot-dip galvanised	3.20 × 0.45	31.9	13 75 320
			4.20 × 0.45	41.1	13 75 420
			5.20 × 0.45	50.3	13 75 520
			6.20 × 0.45	59.6	13 75 620
			7.77 × 0.45	73.9	13 75 706
		1b aluminium (not shown)	3.20 × 0.45	12.8	13 70 320
			4.20 × 0.45	16.5	13 70 420
			5.20 × 0.45	20.2	13 70 520
			6.20 × 0.45	23.8	13 70 620
			8.20 × 0.45	31.2	13 70 820
02	Lattice girder cross brace + steel; hot-dip galvanised — U-profile for accommodating system decks with linchpin 12 × 70 mm for safe attachment — suitable for bridging within the façade scaffolding — suitable for system-independent lattice girders instead of half-frames	2a	0.73	7.0	13 81 073
		2b reinforced (not shown)	1.09	8.2	13 81 109
03	Tube connector for lattice girder steel; hot-dip galvanised; with four screws M 14 × 60 mm	0.41	1.5	13 88 030	
04	Lattice girder suspension + — fitting of system-independent lattice girders to the assembly frames for standard bridging functions	0.53	3.2	13 85 000	
05	Attachment piece for lattice girder with borehole for locking pin	0.30	2.5	13 75 000	
06	Wall connector plate for lattice girder + steel; hot-dip galvanised; version with U-profile 120 mm — for fitting lattice girders at the at the end sides of the building (axis dimension 400 mm), mainly for special solutions — fitting in accordance with anchorage ground and load — verification required for each individual case	0.70	6.8	13 90 001	
07	U-profile, aluminium with halfcouplers — U-profile for accommodating system decks, must be screwed onto to the lattice girder upper chord — predominantly used for constructing areal scaffoldings	2.00	4.7	13 80 200	
		3.00	6.8	13 80 300	
		4.00	8.9	13 80 400	
		5.00	11.0	13 80 500	
		6.00	13.1	13 80 600	
		per m		13 80 000	
Other sizes available upon request.		per m		13 80 000	

COUPLERS

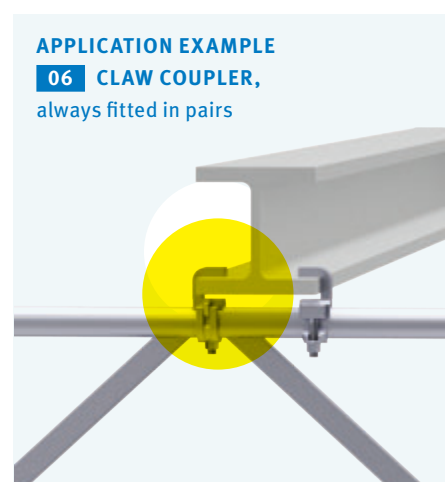
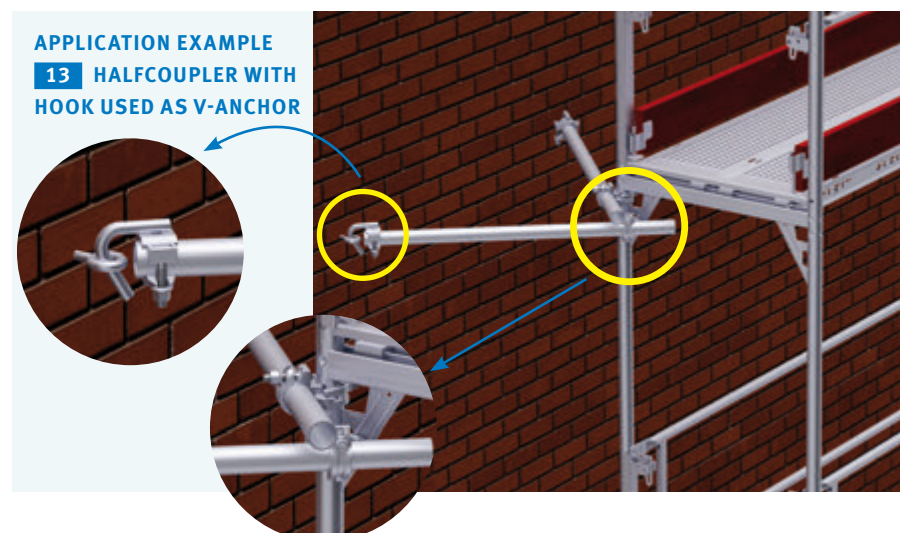
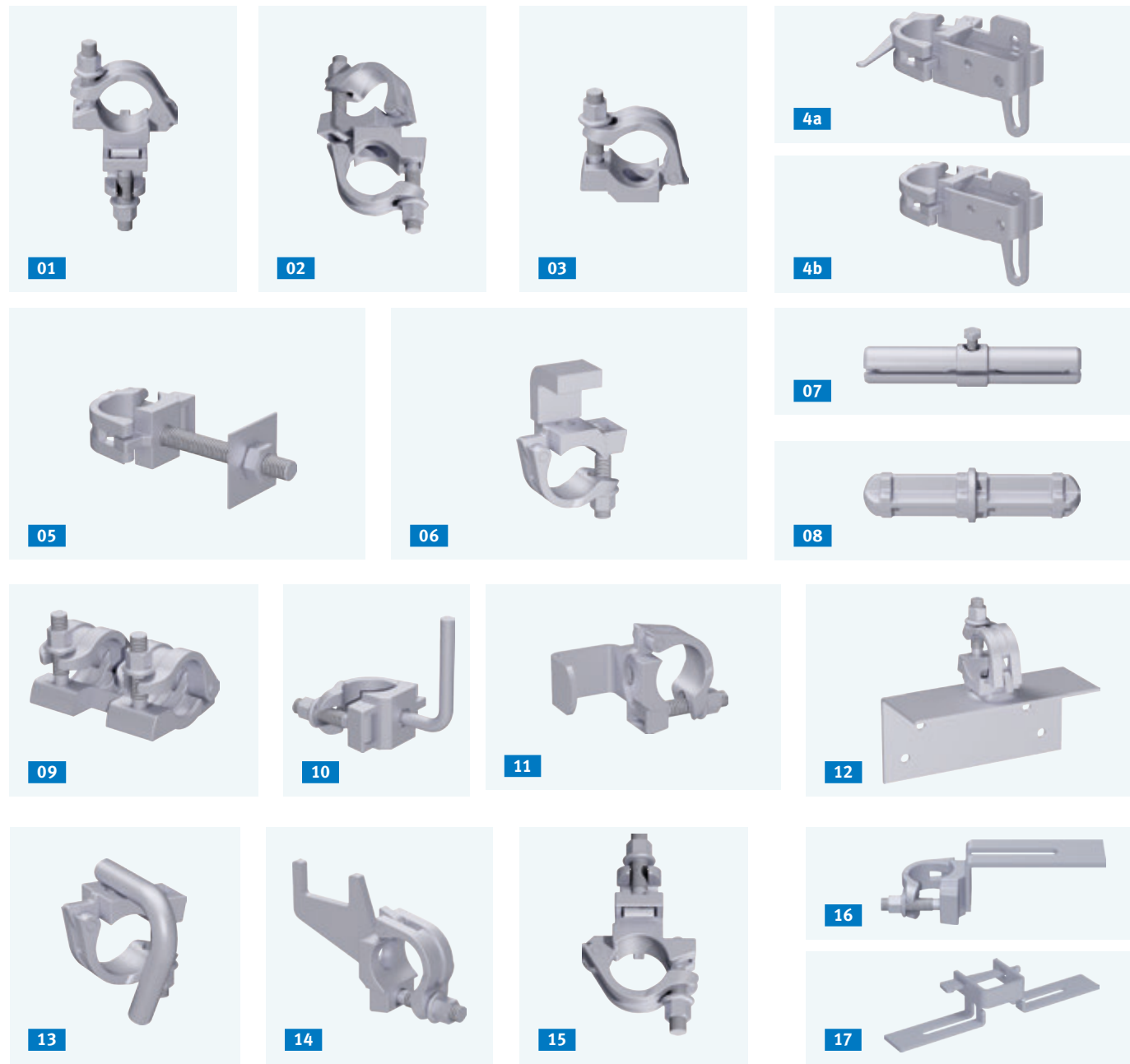


FIG.	DESCRIPTION		DIMENSIONS ø / ø	WEIGHT approx. [kg]	ARTICLE NO.
01	Standard coupler with collar nuts; for tubes ø 48.3 mm	WS 19	48 / 48	1.0	13 01 019
02	Swivel coupler with collar nuts; for tubes ø 48.3 mm	WS 19	48 / 48	1.0	13 03 019
03	Halfcoupler	WS 19	48 / –	0.6	13 02 019
04	Guardrail coupler	4a with wedge coupler	48 / –	1.3	13 09 030
		4b with halfcoupler	WS 19 48 / –	1.3	13 09 019
05	Combination coupler threaded bolt M16 × 120 mm, incl. coupling plate 60 × 60 and nut M16 DIN 934	WS 19	48 / –	0.5	13 04 019
06	Claw coupler + effective width 35 mm	WS 19	48 / –	0.9	13 10 019
07	Universal tube connector, clampable consists of 2 half-shells and a screw – for connecting tubes subject to impact stress, expanded by the screw – length 0.24 m			1.7	13 08 001
08	Tube connector for tension coupler			1.0	13 08 000
09	Tension coupler with collar nuts; for tubes ø 48.3 mm	WS 19	48 / 48	1.4	13 07 019
10	Halfcoupler with toeboard bolt	WS 19	48 / –	0.6	13 13 019
11	Gusset coupler +	WS 19	48 / –	0.8	13 06 319
12	Squared timber coupler with swivel halfcoupler – with metal bracket 100 × 220 × 80 mm	WS 19	48 / –	1.8	33 81 019
13	Halfcoupler with hook +	WS 19	48 / –	0.9	13 06 019
14	Anchor coupler	WS 19	48 / –	0.9	13 06 119
15	Standard reduction coupler	WS 19	48 / 34	1.0	13 11 019
16	Clamp coupler, universal design +			1.1	13 17 019
17	Double clamp coupler with wedge +			1.2	13 17 030
18	Hexagon bolt M 14 × 65 8.8; galvanised – serves as safety bolt when used in conjunction with 16 hexagon dimer cap nut			0.1	14 53 000
19	Hexagon dimer cap nut M14; galvanised			0.04	73 02 003

Couplers are approved by the respective manufacturer and in accordance with EN 74 standard.



FAÇADE SCAFFOLDING ACCESSORIES



APPLICATION EXAMPLE

04 TEMPORARY ROOF SUPPORT

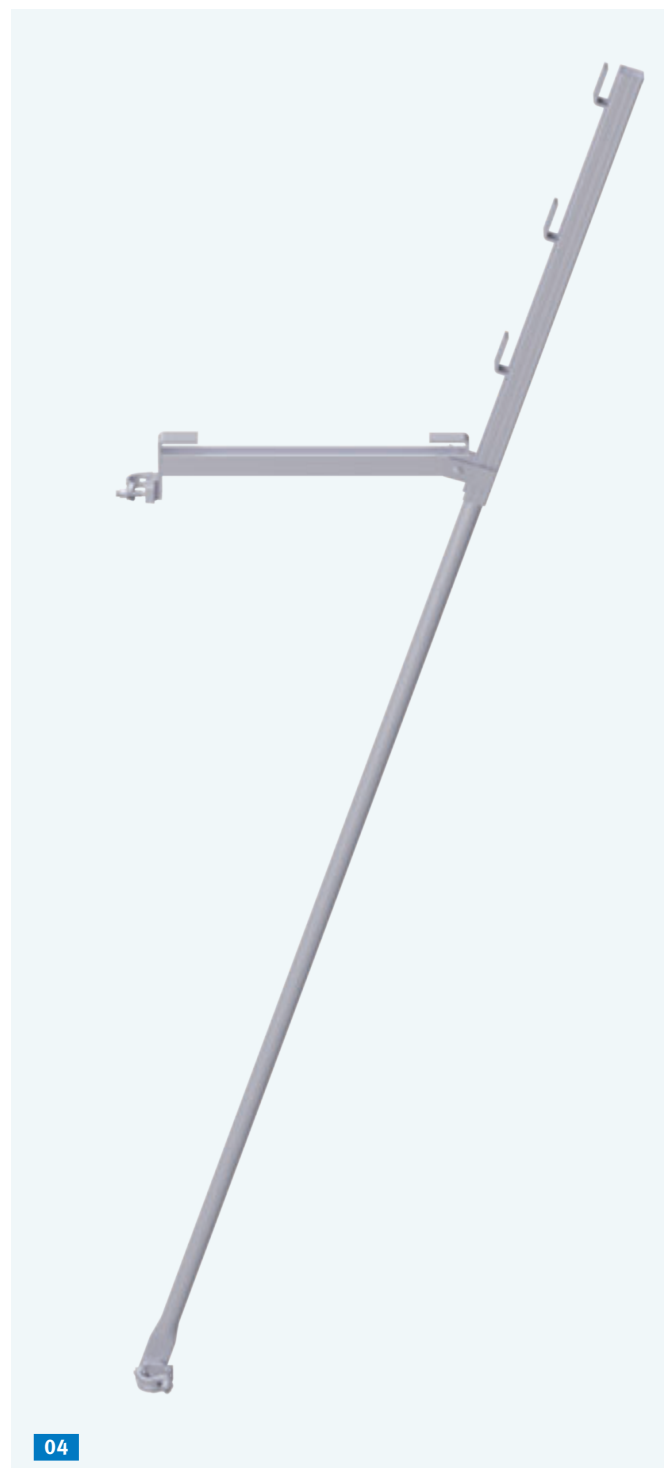
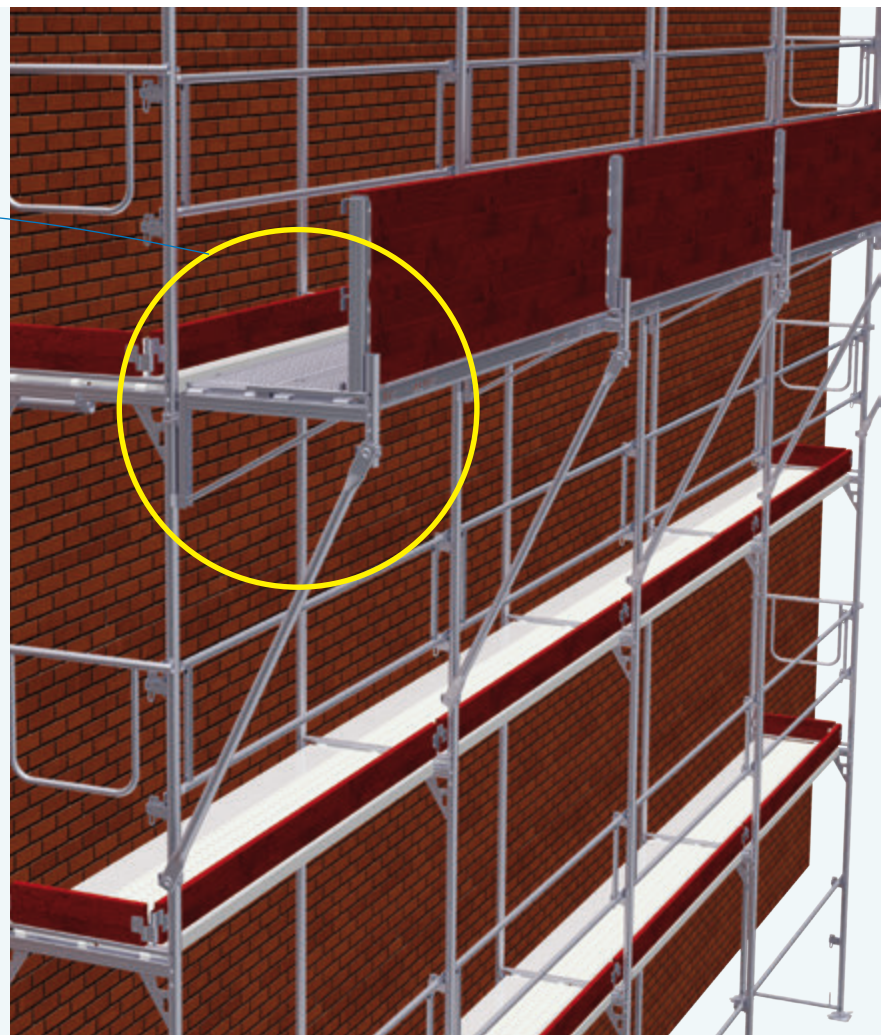
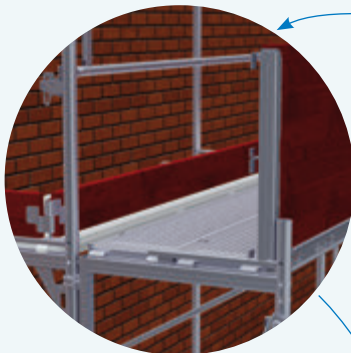


FIG.	DESCRIPTION	DIMENSIONS	WEIGHT	ARTICLE NO.
		L/H×W [m]	approx. [kg]	
01	Bracket for pulley with halfcoupler and fixture for pulley; steel; hot-dip galvanised — design as with bracket 0.73 m — with welded-on fixture for pulleys	0.73	6.7	10 49 073
02	Pulley — with cross-bar and rotatable load hook with hook protection or with carabiner — suitable for ropes up to ø 28 mm; up to max. 200 kg load	ø 190 mm	2.3	37 83 000
03	Temporary roof extension + steel; hot-dip galvanised — for use in conjunction with bracket and diagonal cross brace — by vertically installing system decks a protective wall can be created — for installation at any height — For appropriate anchoring see the respective Instructions for Assembly and Use.	0.46 × 0.66	4.1	10 71 000
04	Temporary roof support + steel; hot-dip galvanised	3.00 × 0.60	14.8	10 71 010

APPLICATION EXAMPLE

03 TEMPORARY ROOF EXTENSION



FAÇADE SCAFFOLDING ACCESSORIES



APPLICATION EXAMPLE

03 TELESCOPIC SCAFFOLD STABILISER

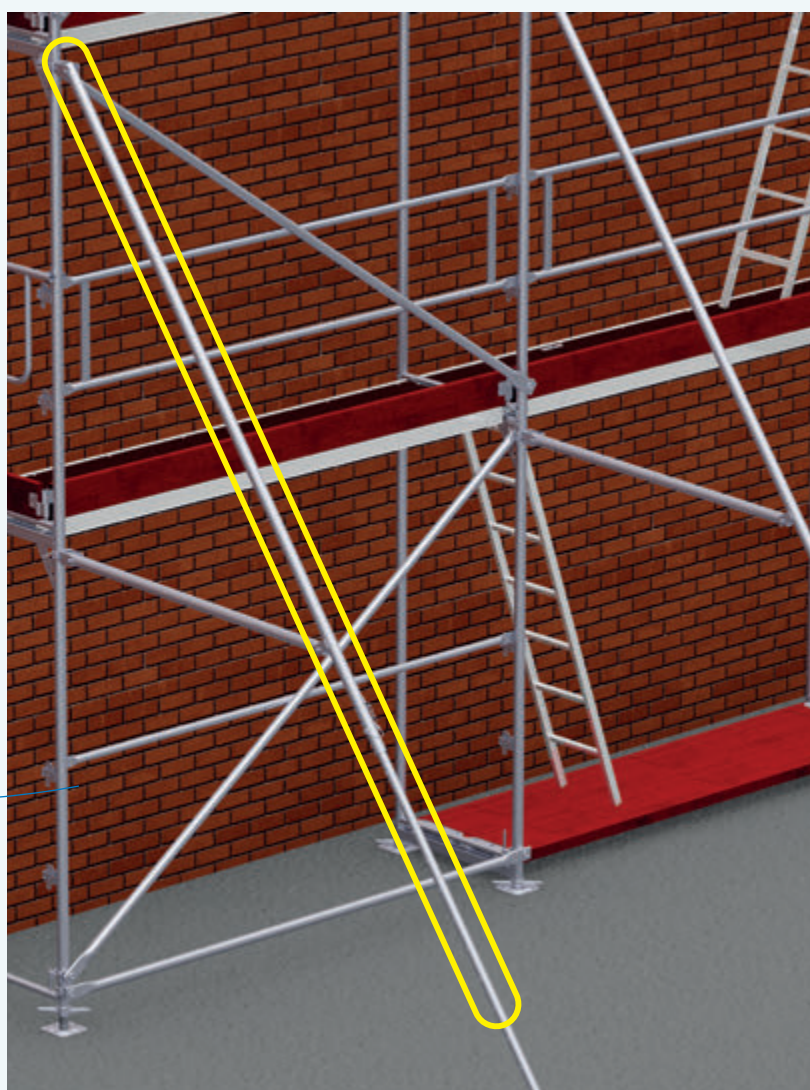
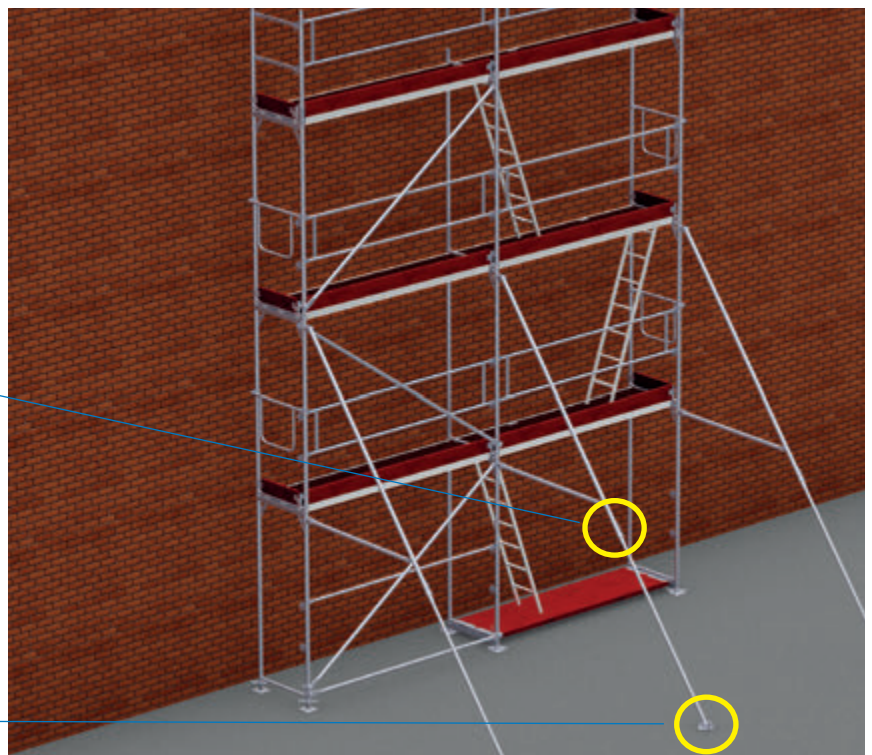


FIG.	DESCRIPTION	DIMENSIONS	WEIGHT	ARTICLE NO.
		L/H×W [m]	approx. [kg]	
01	Scaffold tube, steel ø 48.3 × 3.25 mm; hot-dip galvanised	1.00	3.5	13 51 100
		2.00	7.0	13 51 200
		3.00	10.5	13 51 300
		4.00	14.0	13 51 400
		5.00	17.5	13 51 500
		6.00	21.0	13 51 600
02	Scaffold tube, aluminium ø 48.3 × 4.05 mm	1.00	1.5	13 40 100
		2.00	3.0	13 40 200
		3.00	4.5	13 40 300
		4.00	6.0	13 40 400
		5.00	7.5	13 40 500
		6.00	9.0	13 40 600
03	Telescopic scaffold stabiliser + steel tube ø 48.3 mm; hot-dip galvanised — transport length 3.2 m, extension length 3.0 – 5.0 m — to stabilise free-standing scaffoldings with assembly heights of up to 6.20 m — also ensures safe connection to the scaffolding due to bracing effect — linchpin to provide secure locking at various extension lengths — base plate pegged into the ground (with two ground pegs)		28.0	13 63 500
04	Ground peg + steel ø 25 mm; non-galvanised	0.48	2.0	61 00 000

APPLICATION EXAMPLE

Linchpin to provide secure locking at various extension lengths

**APPLICATION EXAMPLE****04 GROUND PEG**

FAÇADE SCAFFOLDING ACCESSORIES

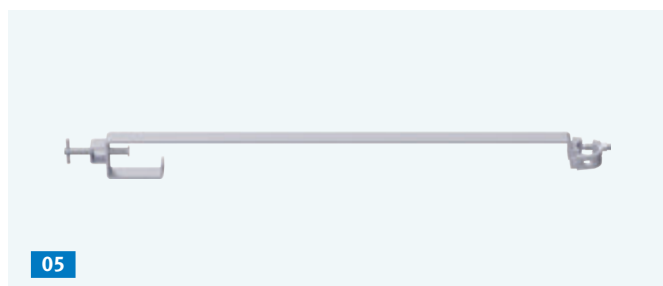
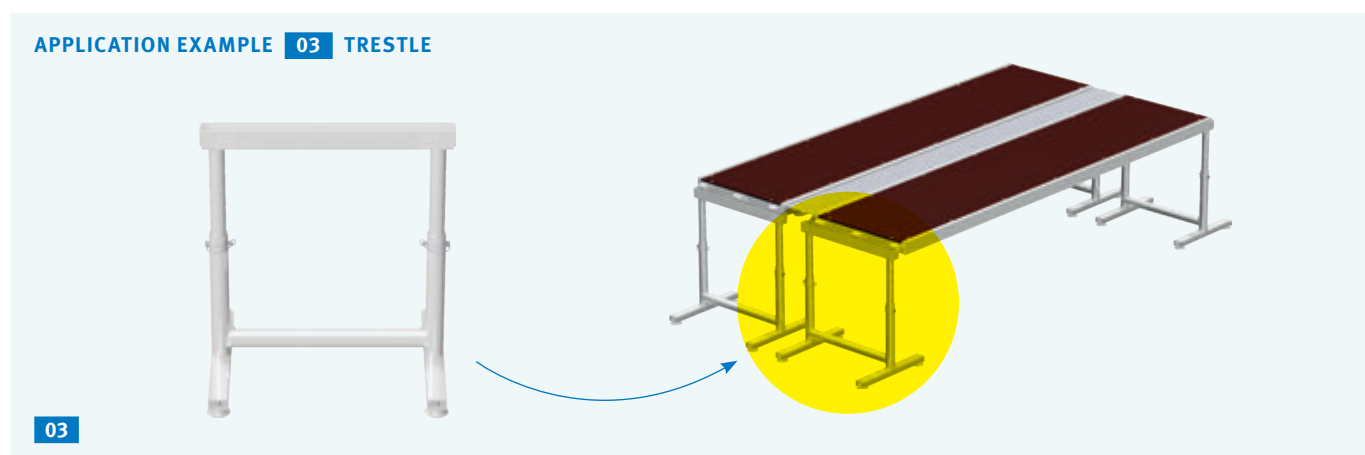
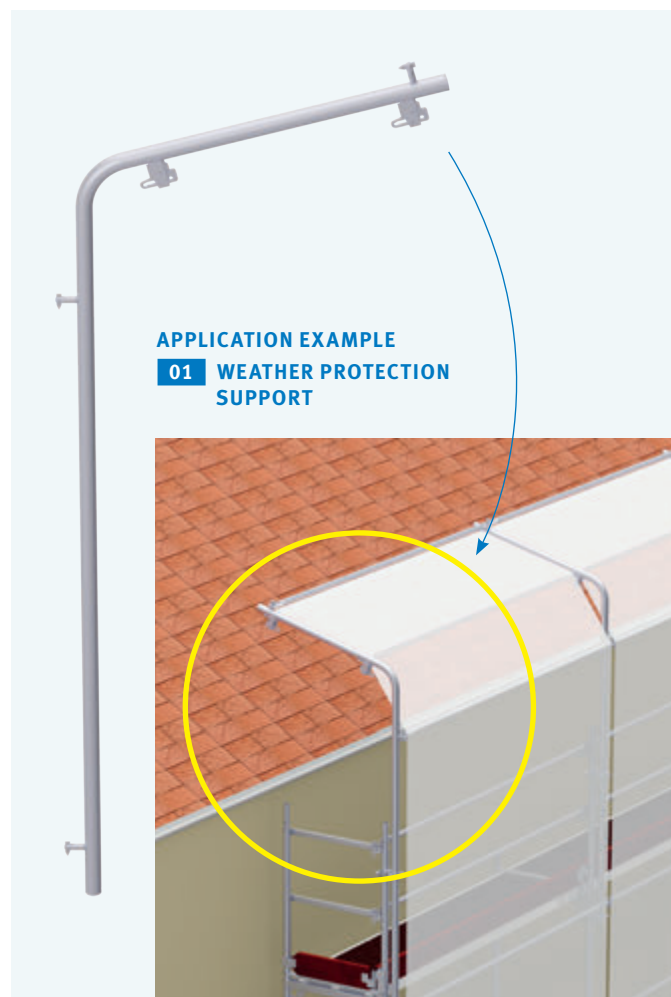
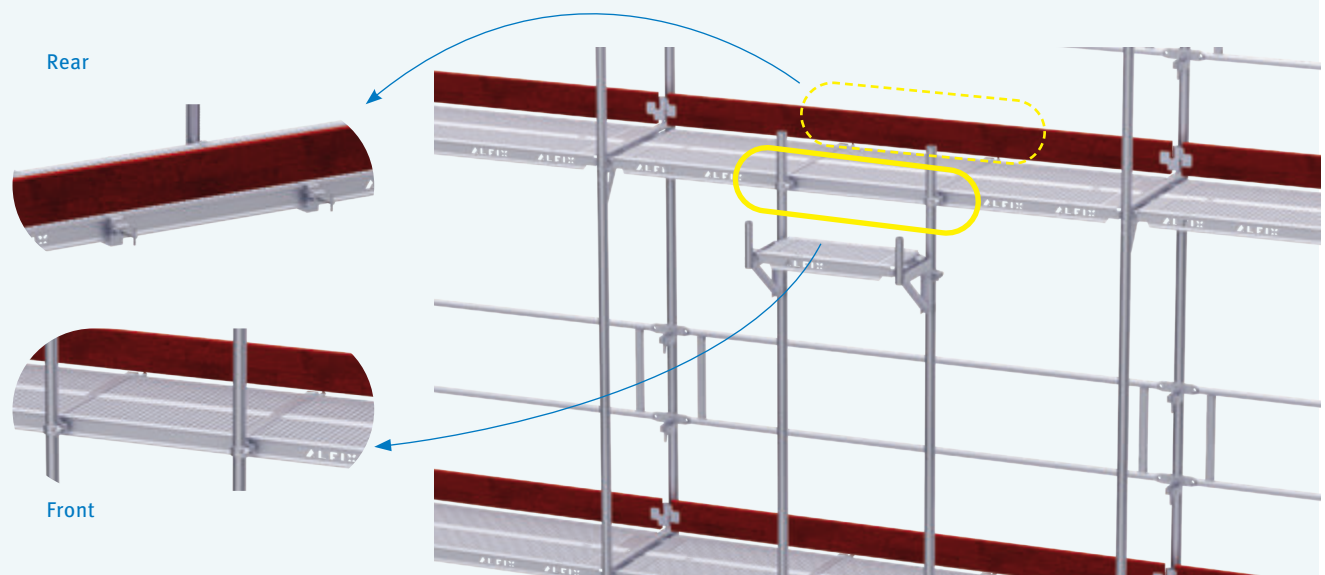


FIG.	DESCRIPTION	DIMENSIONS	WEIGHT	ARTICLE NO.
		L/H×W [m]	approx. [kg]	
01	Weather protection support + steel; hot-dip galvanised — weather protection add-on unit for façade scaffoldings — weather protection posts can be connected to each other using guardrails	2.00	14.3	10 71 200
02	Weather protection add-on unit + steel; hot-dip galvanised — to be fitted onto assembly frames with system width 0.73 m — weather protection add-on units can be connected to each other using guardrails — roof element for accommodating scaffolding protection tarpaulins (see Accessories Catalogue) — fastening of the scaffolding protection tarpaulins by means of toggle/disposable ties	2.00	18.0	10 71 201
03	Trestle + height adjustable 0.44 m - 0.67 m; aluminium — with U-profile for system deck suspension	0.44 to 0.67 × 0.65	4.2	33 20 000
04	Recess bracket starting piece	0.35	1.7	14 40 000
05	Recess bracket holder + with integrated halfcoupler; for all scaffolding systems up to bay widths 0.65 m and 1.00 m; WS 19	0.70	2.3	14 51 060
		1.00	2.9	14 51 100
06	Linchpin steel; galvanised, 8 × 60 mm, with snap-on lock		0.15	30 06 250

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 halfcouplers which serve to vertically fit standards for two or more levels, which accommodate the brackets at the respective height.



SCAFFOLDING EXAMPLES

ALFIX façade scaffolding 0.73 m / scaffolding bay length 3.07 m



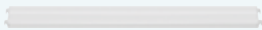
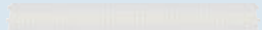

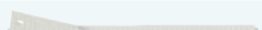

3.07 m	SCAFFOLD LENGTH X WORKING HEIGHT	12.28×8.20	21.49×10.20	30.70×10.20	39.91×10.20	49.12×10.20	98.24×10.20	
	WORK AREA (m²)	101	219	313	407	501	1002	
BASIC COMPONENTS	Base jack 0.40 m	11 51 040	10	16	22	28	34	66
	Assembly frame 2.00 × 0.73 m	10 11 200L	15	32	44	56	68	132
	Wooden deck 3.07 × 0.32 m	12 31 307	24	56	80	104	128	256
	Guardrail 3.07 m	10 60 307	28	63	90	117	145	290
	Double end guardrail 0.73 m	10 62 073	4	6	6	6	6	6
	Diagonal brace 3.60 m	11 00 360	3	8	8	12	16	28
	Guardrail post 0.73 m	10 64 073L	3	6	9	12	15	31
	End guardrail frame 0.73 m	10 63 073L	2	2	2	2	2	2
	Toeboard 3.07 m, wood	12 50 307	12	28	40	52	64	128
	End toeboard 0.73 m, wood	12 51 073	6	8	8	8	8	8
	WEIGHT (kg)	1,255.9	2,778.6	3,883.2	5,019.4	6,162.6	12,155.6	
ANCHORING	Quick-release anchor	13 62 065	8	15	18	21	24	43
	Standard coupler	13 01 019	8	15	18	21	24	43
	Multipurpose plug 14 × 70 mm	37 00 000	8	15	18	21	24	43
	Ring screw 12 × 120 mm	37 02 120	8	15	18	21	24	43
	Cap	37 01 001	8	15	18	21	24	43
	WEIGHT (kg)	27.2	51.0	61.2	71.4	81.6	146.2	
SCAFFOLD ACCESS	Access deck with ladder (film-coated plywood decking) 3.07 × 0.60 m	12 91 307	3	4	4	4	4	4
	WEIGHT REDUCTION (kg)	60.0	80.0	80.0	80.0	80.0	80.0	
ALTERNATIVE SCAFFOLDING DECKS	Aluminium frame platform 3.07 × 0.60 m	12 90 307	12	28	40	52	64	128
	WEIGHT REDUCTION (kg)	320.4	747.6	1,068.0	1,388.4	1,708.8	3,417.6	
	Steel deck 3.07 × 0.32 m	12 21 307	24	56	80	104	128	256
	WEIGHT REDUCTION (kg)	60.0	140.0	200.0	260.0	320.0	640.0	
ASSEMBLY FRAME, ALUMINIUM	Assembly frame, aluminium 2.00 × 0.73 m	10 00 200	15	32	44	56	68	132
	WEIGHT REDUCTION (kg)	183.0	390.4	536.8	683.2	829.6	1,610.4	

ALFIX façade scaffolding 0.73 m / scaffolding bay length 2.57 m

2.57 m	SCAFFOLD LENGTH X WORKING HEIGHT	12.85 × 8.20	20.56 × 10.20	30.84 × 10.20	41.12 × 10.20	48.83 × 10.20	100.23 × 10.20	
	WORK AREA (m²)	105	210	315	419	498	1022	
BASIC COMPONENTS	Base jack 0.40 m	11 51 040	12	18	26	34	40	80
	Assembly frame 2.00 × 0.73 m	10 11 200L	18	36	52	68	80	160
	Wooden deck 2.57 × 0.32 m	12 31 257	30	64	96	128	152	312
	Guardrail 2.57 m	10 60 257	35	72	108	144	171	351
	Double end guardrail 0.73 m	10 62 073	4	6	6	6	6	6
	Diagonal brace 3.20 m	11 00 320	3	8	12	16	16	32
	Guardrail post 0.73 m	10 64 073L	4	7	11	15	18	38
	End guardrail frame 0.73 m	10 63 073L	2	2	2	2	2	2
	Toeboard 2.57 m, wood	12 50 257	15	32	48	64	76	156
	End toeboard 0.73 m, wood	12 51 073	6	8	8	8	8	8
	WEIGHT (kg)	1,337.2	2,724.4	4,017.60	5,310.80	6,258.80	12,695.60	
ANCHORING	Quick-release anchor	13 62 065	8	16	20	24	28	55
	Standard coupler	13 01 019	8	16	20	24	28	55
	Multipurpose plug 14 × 70 mm	37 00 000	8	16	20	24	28	55
	Ring screw 12 × 120 mm	37 02 120	8	16	20	24	28	55
	Cap	37 01 001	8	16	20	24	28	55
	WEIGHT (kg)	27.2	54.4	68.0	81.6	95.2	187.0	
SCAFFOLD ACCESS	Access deck with ladder (film-coated plywood decking) 2.57 × 0.60 m	12 91 257	3	4	4	4	4	4
	WEIGHT REDUCTION (kg)	69.9	93.2	93.2	93.2	93.2	93.2	
ALTERNATIVE SCAFFOLDING DECKS	Aluminium frame platform 2.57 × 0.60 m	12 90 257	15	32	48	64	76	156
	WEIGHT REDUCTION (kg)	336.0	716.8	1,075.2	1,433.6	1,702.4	3,494.4	
	Steel deck 2.57 × 0.32 m	12 21 257	30	64	96	128	152	312
	WEIGHT REDUCTION (kg)	45.0	96.0	144.0	192.0	228.0	468.0	
ASSEMBLY FRAME, ALUMINIUM	Assembly frame, aluminium 2.00 × 0.73 m	10 00 200	18	36	52	68	80	160
	WEIGHT REDUCTION (kg)	219.6	439.2	634.4	729.6	976.0	1,952.0	

TECHNICAL DETAILS

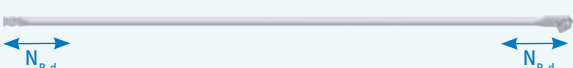
Load classes of scaffolding decks

WORKING AREAS	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	
	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	
	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 vertical diagonal braces

Extract of approval no. Z-8.1-862

VERTICAL DIAGONAL BRACES	BAY LENGTH (m)	$\beta = A_D / A_{eff}$	$N_{R,d}$ (kN)
	2.07	44	7.65
	2.57	42	6.51
	3.07	40	5.37



Cross-sectional values of base jacks

The substitute cross-sectional values of base jacks for 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 × 2.68 = 3.35 cm ³



EXTRACTS FROM THE DIN EN 12811 STANDARD

Service loads on working areas

WORKING AREAS	LOAD CLASS	UNIFORMLY DIS- TRIBUTED LOAD q_1 in kN/m ²	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/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

WORKING AREAS	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	$1.75 \text{ m} \leq h_{1a} \leq 1.90$ m $1.75 \text{ m} \leq h_{1b} \leq 1.90$ 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

WORKING AREAS	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	$2.4 \leq w$

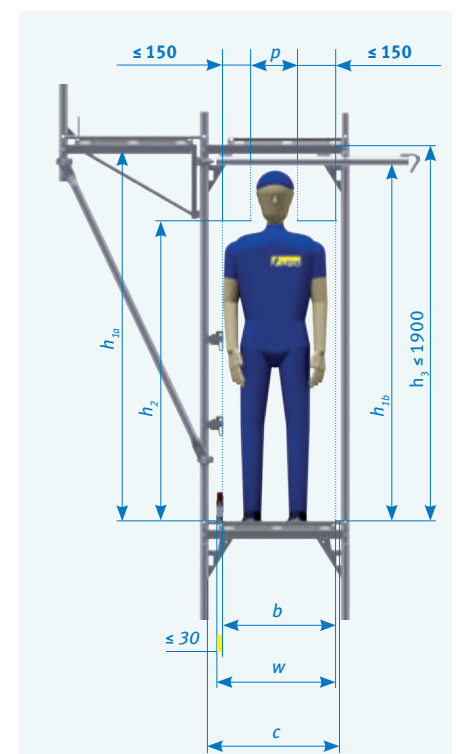
Headroom and width classes of working areas

- 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} clear headroom between working areas and transoms or tie members
 h_2 clear shoulder height
 h_3 clear headroom 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

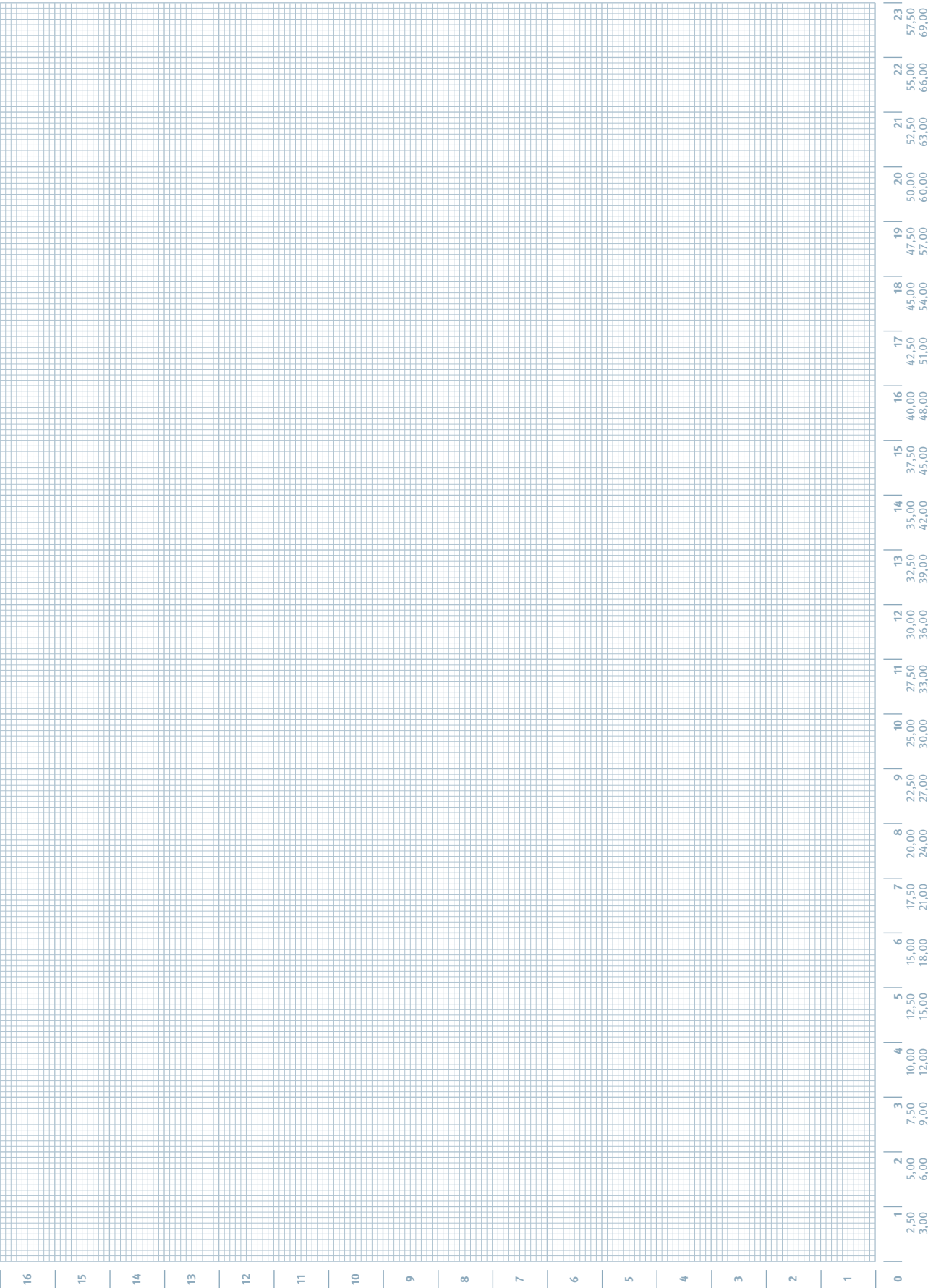
Example: Scaffold EN 12810 – 3 D – SW06/257 – H1 – B – LA

- Scaffold EN 12810 Frame scaffold (system scaffold) according to DIN EN 12810-1
 3 Load class 3 (see Table 3 DIN EN 12811-1)
 D Drop tests on platforms
 (D = with drop test, N = without drop test)
 SW06/257 System width class (see Table 1 DIN EN 12811-1)
 here: between 0.60 m and 0.90 m / bay length 2.57 m
 H1 Headroom class (see Table 2 DIN EN 12811-1)
 headroom class H1 is standard in Germany
 B with cladding (A = without cladding, B = with cladding)
 LA with ladder (LA = ladder, ST = stairway, LS = both)



NOTES

SKETCHES



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