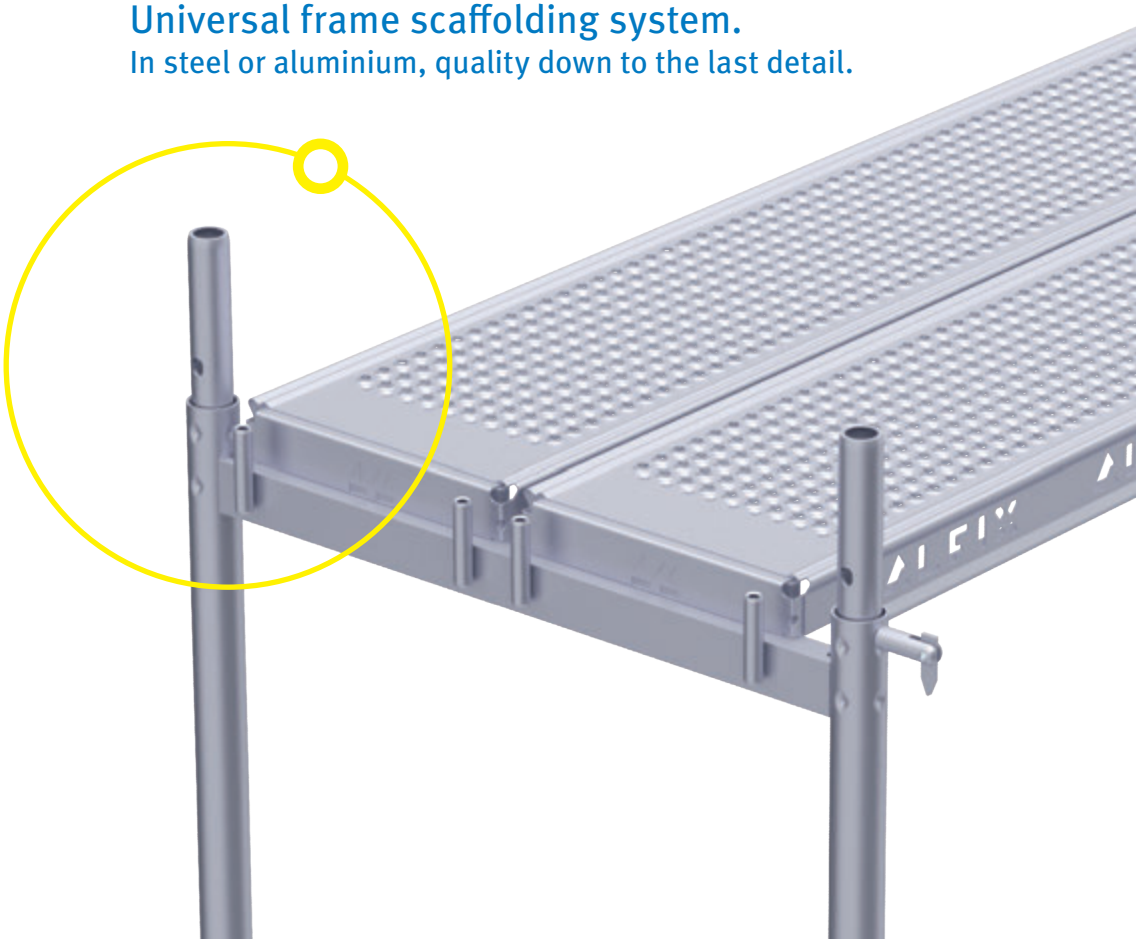
ALFIX®
SECURELY SCAFFOLDED

UNIFIX FAÇADE SCAFFOLDING

Catalogue

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



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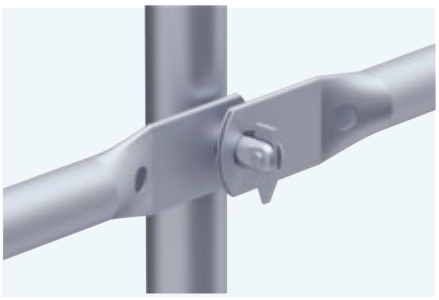
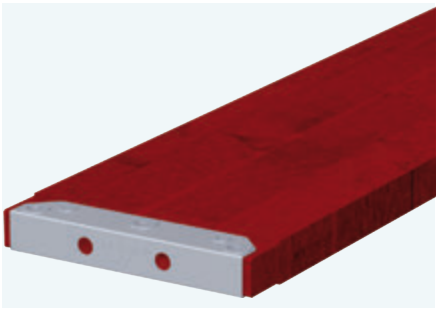
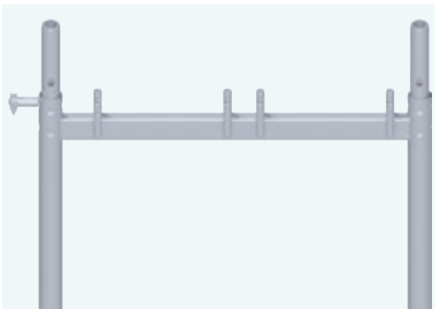






The UNIFIX façade scaffolding system, in steel or aluminium, has been tested for utmost quality and reliability requirements down to the last detail.

Easy handling, 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 technical advisors and stay informed.

With the publishing of the current catalogue, any previous version becomes invalid.

Catalogue UNIFIX Façade Scaffolding

Edition: October 2023

UNIFIX FAÇADE SCAFFOLDING

The UNIFIX façade scaffolding is a scaffolding system consisting of prefabricated components. It is available in the following bay lengths: 0.74 m, 1.10 m, 1.50 m, 2.00 m, 2.50 m, 3.00 m and 4.00 m.
The scaffolding has a standard width of 0.74 m and 1.10 m.

This scaffolding can be used as a working scaffolding for applications with load classes 1 up to 3 in accordance with DIN EN 12810 and 12811 (working weight per unit area: 200 kg/m² in load class 3) and as brick guard and roof guard scaffolding (max. fall height 2.00 m).

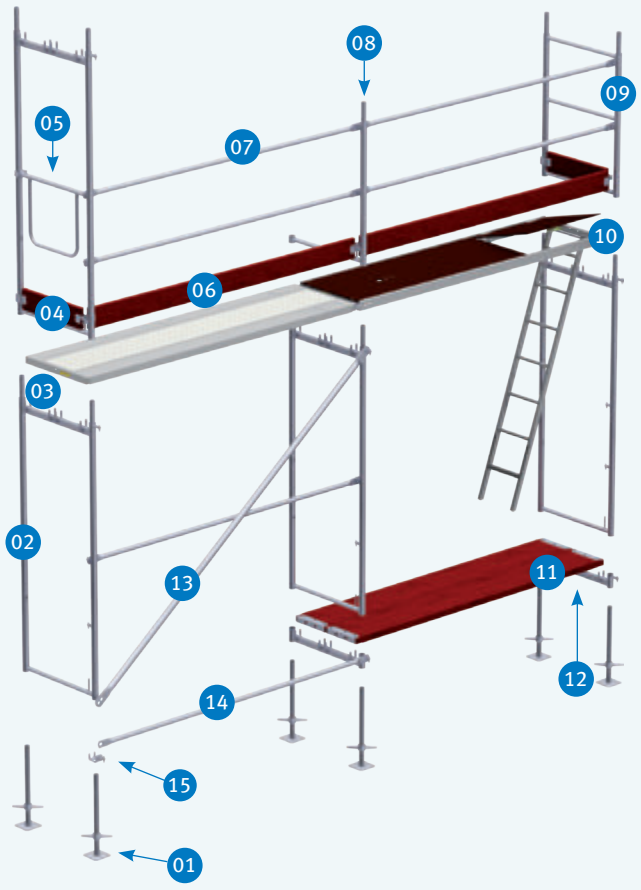
Proof of the standard assembly configuration was carried out for an assembly height of 24.00 m, plus spindle extension length.

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 UNIFIX façade scaffolding system consists of a manageable number of basic components. The basic structure of the façade scaffold can be assembled using only a few basic components, which are available in various dimensions. Please refer to page 52 for further information on technical details.

01 Base jack
02 Assembly frame
03 Lightweight aluminium deck
04 End toeboard
05 Double end guardrail
06 Wooden toeboard
07 Guardrail
08 Guardrail post
09 End guardrail frame
10 Access deck with ladder (film-coated plywood decking)
11 Wooden deck
12 Deck transom
13 Diagonal brace
14 Guardrail used as horizontal strut
15 Lower diagonal brace fixture



Technical Approvals & Instructions for Assembly and Use:

UNIFIX 70 (Z-8.1-847)

UNIFIX 100 (Z-8.1-954)

INSTRUCTIONS FOR ASSEMBLY AND USE UNIFIX SYSTEM

ASSEMBLY FRAMES

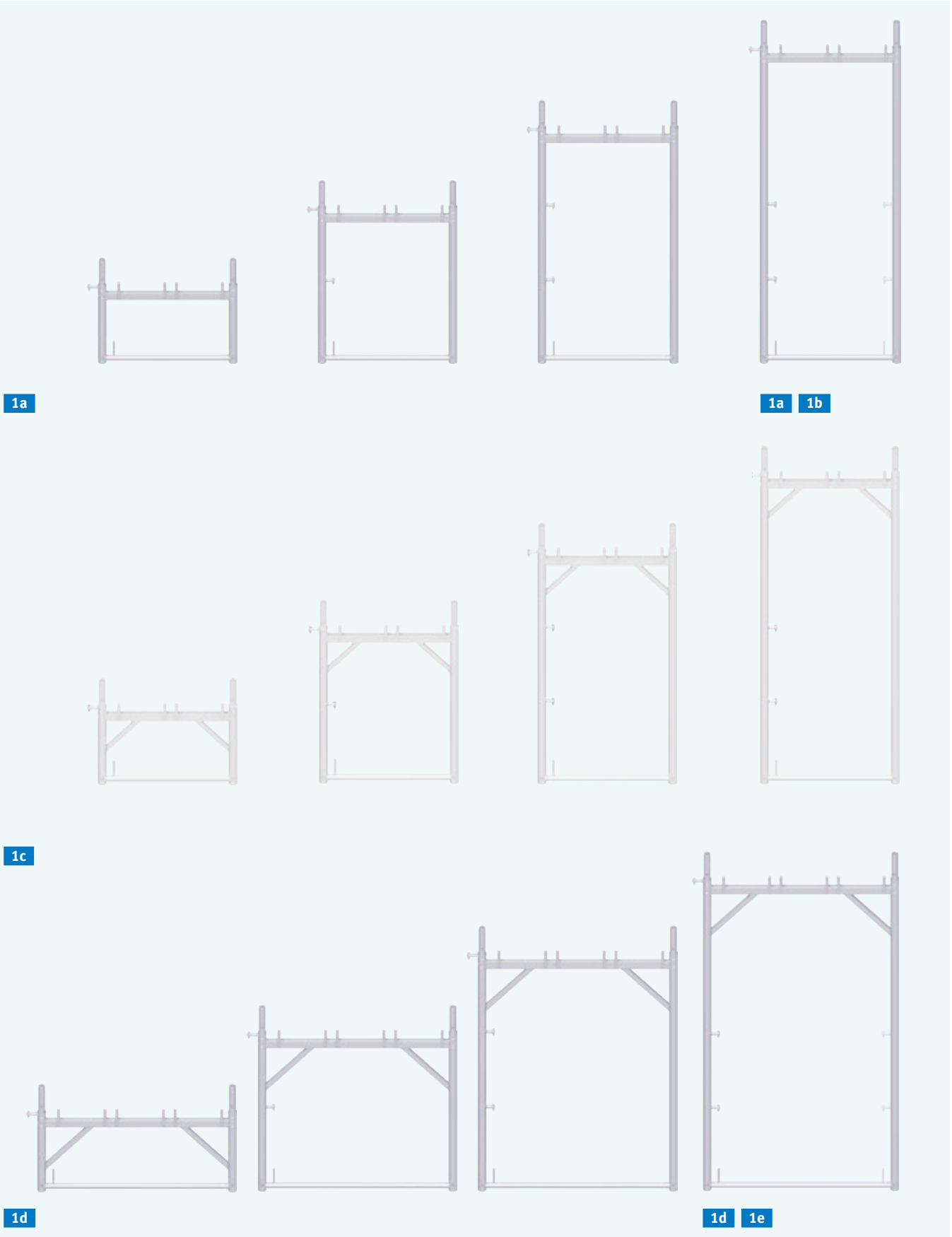
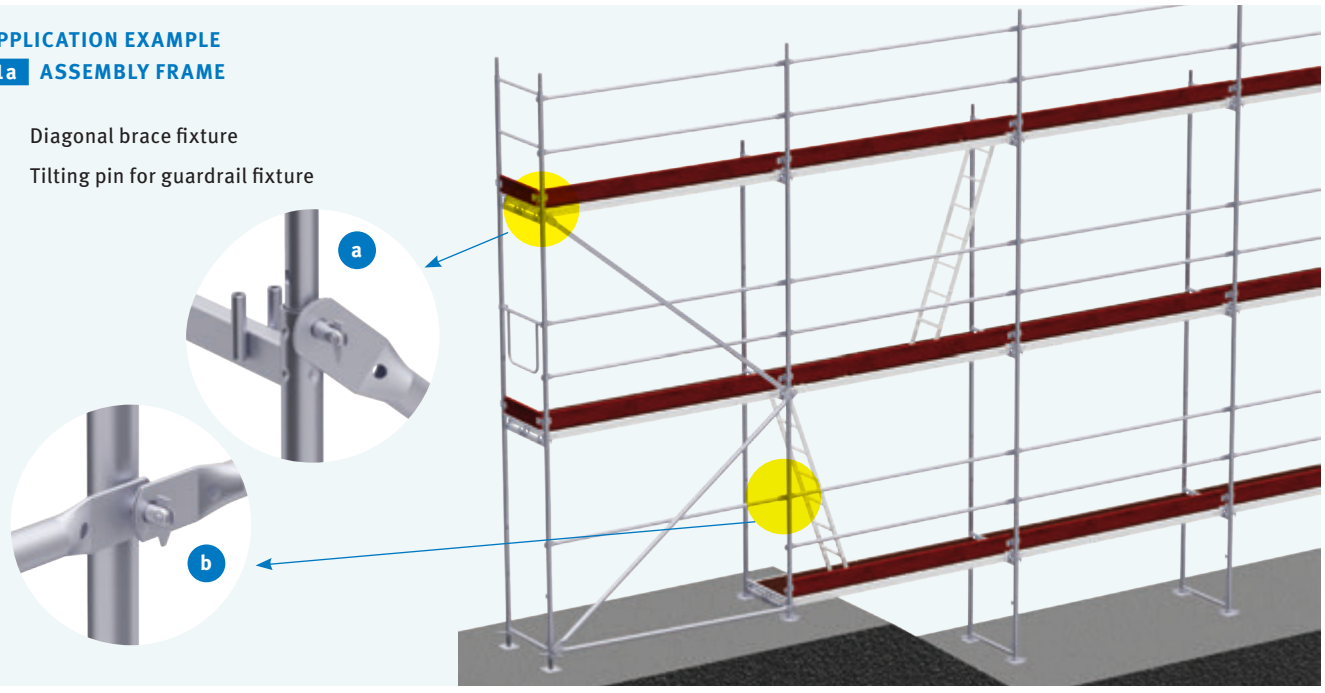


FIG.	DESCRIPTION	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Assembly frame** ⊕ — basic component for the construction of the façade scaffolding — pressed-in tube connectors allow stacking of multiple components — lower transom serves to prevent decking of underlying storey from lifting off			
1a	Steel; 0.74 m; with tilting pins on one side steel tube ø 48.3 × 2.7 mm; hot-dip galvanised; with 8 pins for deck suspension	0.50 × 0.74	8.7	20 10 050L
		1.00 × 0.74	11.9	20 10 100L
		1.50 × 0.74	15.1	20 10 150L
		2.00 × 0.74	18.2	20 10 200L
1b	Steel; 0.74 m; with tilting pins and toeboard pins on both sides steel tube ø 48.3 × 2.7 mm; hot-dip galvanised; with 8 pins for deck suspension — ALFIX MODUL METRIC transverse toeboards 0.74 m (article no. 4851074) must be used at the end sides	2.00 × 0.74	18.4	20 10 202L
1c	Aluminium; 0.74 m; with tilting pins on one side aluminium tube ø 48.3 × 4.0 mm; with 8 pins for deck suspension	0.50 × 0.74	4.3	20 00 050
		1.00 × 0.74	5.8	20 00 100
		1.50 × 0.74	7.5	20 00 150
		2.00 × 0.74	8.9	20 00 200
1d	Steel; 1.10 m; with tilting pins on one side steel tube ø 48.3 × 3.2 mm; hot-dip galvanised	0.50 × 1.10	14.5	20 11 050
		1.00 × 1.10	18.3	20 11 100
		1.50 × 1.10	22.1	20 11 150
		2.00 × 1.10	24.9	20 11 200
1e	Steel; 1.10 m; with tilting pins and toeboard pins on both sides steel tube ø 48.3 × 3.2 mm; hot-dip galvanised — ALFIX MODUL METRIC transverse toeboards 1.10 m (article no. 4851110) must be used at the end sides	2.00 × 1.10	25.0	20 11 201

APPLICATION EXAMPLE
1a ASSEMBLY FRAME

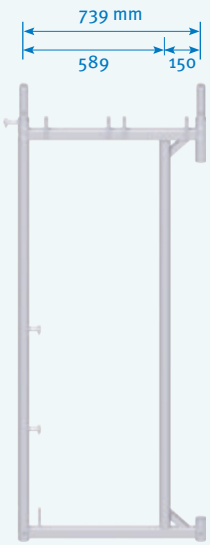
a Diagonal brace fixture

b Tilting pin for guardrail fixture

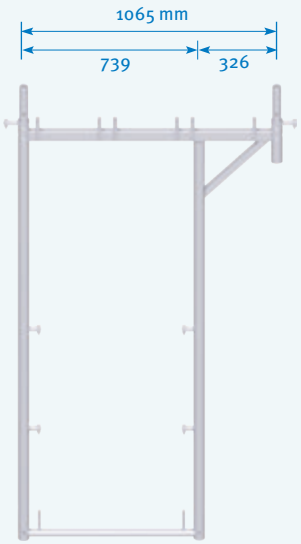


ASSEMBLY FRAMES

1a



1b



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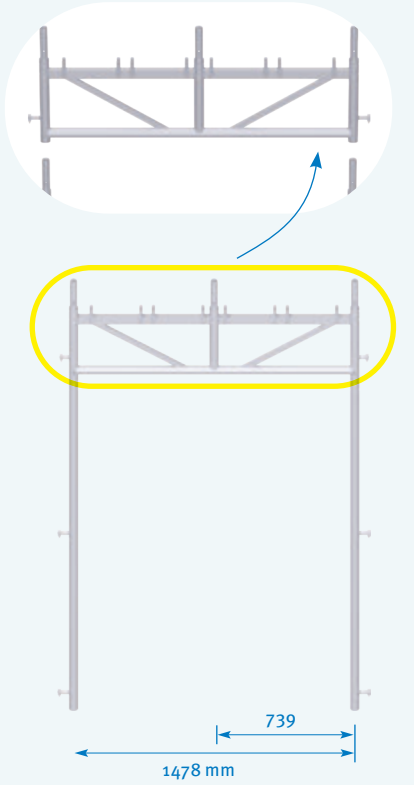
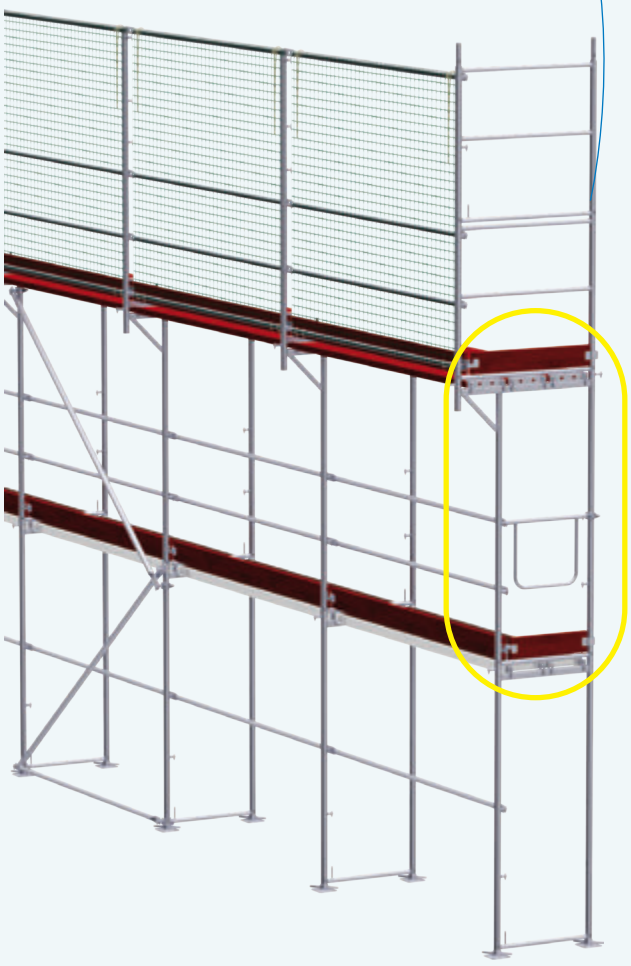
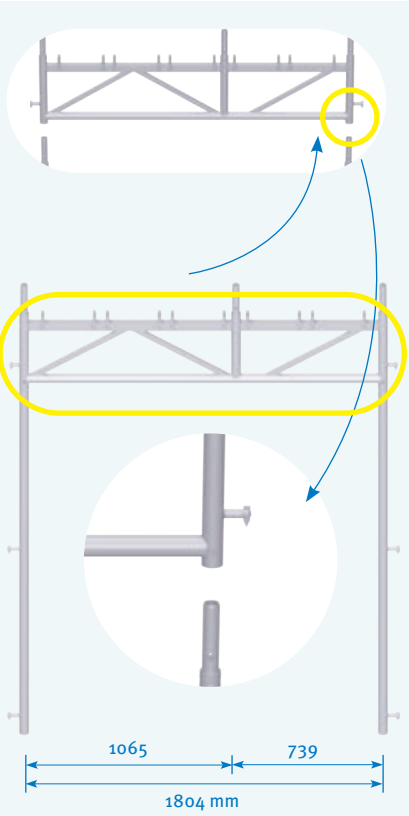


3a

APPLICATION EXAMPLE

02 ROOF GUARD EXTENSION FRAME

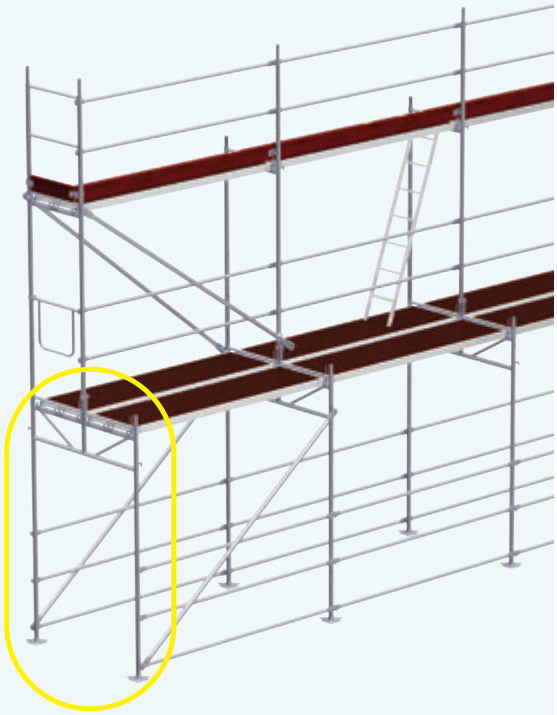




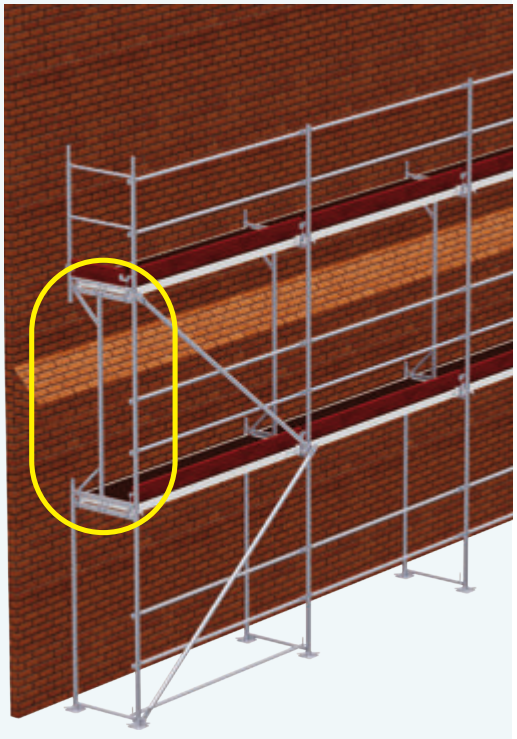
3b

FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Cantilever frame, steel** ⊕ 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 × 0.41	21.4	20 19 040L
		1b	2.00 × 0.59	20.4	20 19 015L
02	**Roof guard extension frame** ⊕ steel tube ø 48.3 × 2.7 mm; hot-dip galvanised — allows for further construction with the system dimension 1.10 m — tilting pins and toeboard pins mounted on both sides allow for internal and external bracket widening		2.00 × 0.74 up to 1.10	22.7	20 19 003L
03	**Passage frame** ⊕ steel tube ø 48.3 × 3.2 mm; hot-dip galvanised; 3-part — 1.80 m and 1.50 m passageway for pedestrians; allows for safe pedestrian traffic under the scaffolding — Tilting pins on both sides enable fitting of side protection on both the inside and outside. — Passage frame 1.80 m for further construction with scaffolding widths 0.74 m and 1.10 m. — For detailed information on passage frame applications please refer to the UNIFIX Façade Scaffolding Instructions for Assembly and Use. — space-saving transport	3a	2.20 × 1.50	34.0	20 19 150
		3b	2.20 × 1.80	37.0	20 19 180

APPLICATION EXAMPLE 3a PASSAGE FRAME



APPLICATION EXAMPLE 1a CANTILEVER FRAME



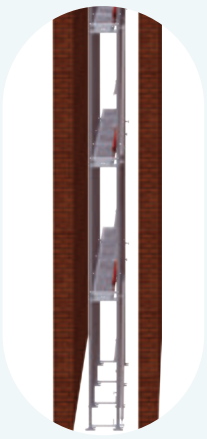
ASSEMBLY FRAMES

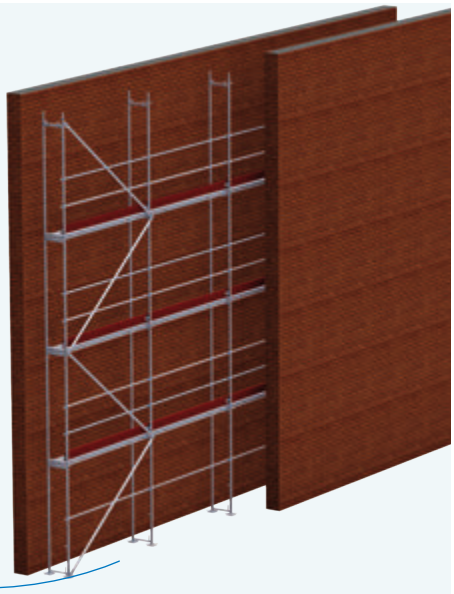
01

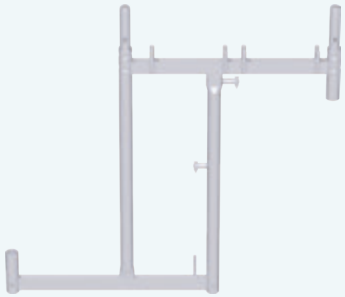
APPLICATION EXAMPLE
01 TRANSITION FRAME
0.41 m, STEEL

02

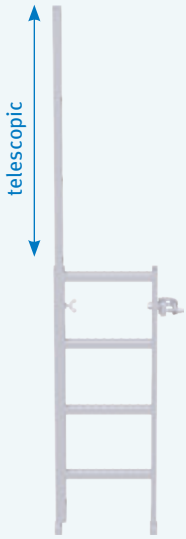
APPLICATION EXAMPLE
02 ASSEMBLY FRAME 0.41 m, STEEL







03



04

APPLICATION EXAMPLE
03 DS BRACKET FRAME AND
04 DS STOREY LADDER

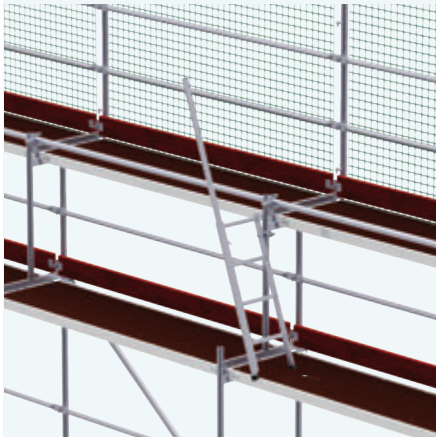
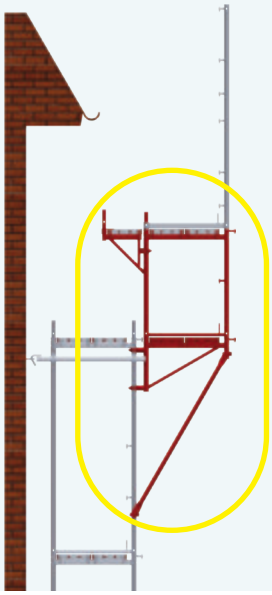
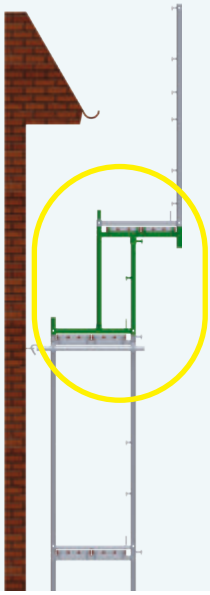


FIG.	DESCRIPTION	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Transition frame 0.41 m, steel** ⊕ steel tube ø 48.3 mm; hot-dip galvanised	2.00 × 0.41 up to 0.74 m	19.0	20 19 005L
02	**Assembly frame 0.41 m, steel** ⊕ steel tube ø 48.3 × 3.2 mm; hot-dip galvanised — for use in narrow recesses	2.00 × 0.41	16.8	20 19 402L
03	**DS bracket frame** ⊕ steel tube ø 48.3 × 3.2 mm; hot-dip galvanised — innovative special part — The ideal height for all craft trades. Roofers, plumbers and plasterers are able to work at the same time. — The DS bracket frame with its construction height of 0.99 m also serves as an adjustment frame, its use makes additional adjustment frames obsolete. — As scaffoldings are used by many craft trades, a wide range of requirements and prerequisites must be observed. The optimum stand height and the side protection mandatory for the respective trade are basic prerequisits in this respect. The UNIFIX DS bracket frame allows different craft trades to simultaneously work at both the façade and the eave at the ideal stand height!	0.99 × 0.74	15.0	20 32 799
04	**DS storey ladder** ⊕ steel; hot-dip galvanised — equipped with a handrail extendable up to 2 m for safe access to the top level — fastening to the DS bracket frame by means of an integrated halfcoupler	1.00	9.0	11 42 010

APPLICATION EXAMPLE
without **03** **DS bracket frame**



APPLICATION EXAMPLE
with **03** **DS bracket frame**



If the scaffolding is used by various craft trades, the time-consuming need for constructing the required structure from many individual components can be eliminated when using a UNIFIX DS bracket frame.
The application example on the left lists these individual components:
— diagonal cross brace 1.77 m
— bracket 0.74 m
— assembly frame 1.00 x 0.74 m
— bracket 0.32 m
— up to 3 decks, and
— intermediate deck
— lift-off preventer
— gap cover
Advantages of the DS bracket frame: cut costs, time-saving assembly/disassembly, fewer components needed, and space-saving transport.

SCAFFOLDING DECKS / ACCESS DECKS

01

02

03

04

05

06

FIG.	DESCRIPTION	LOAD CLASS*	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Steel deck; 0.32 m wide** hot-dip galvanised; perforated – high load-bearing capacity – non-slip surface	6	0.74 × 0.32	5.3	22 21 074
		6	1.10 × 0.32	7.6	22 21 110
		6	1.50 × 0.32	11.1	22 21 150
		6	2.00 × 0.32	13.4	22 21 200
		5	2.50 × 0.32	16.8	22 21 250
		4	3.00 × 0.32	20.1	22 21 300
02	**Wooden deck; 0.32 m wide** block glued; thickness 48 mm – impregnated; triple-glued – system-compatible steel head piece at both ends	6	0.50 × 0.32	4.5	22 31 050
		6	0.74 × 0.32	5.5	22 31 070
		6	1.00 × 0.32	8.2	22 31 100
		6	1.10 × 0.32	8.5	22 31 110
		6	1.50 × 0.32	11.0	22 31 150
		5	2.00 × 0.32	14.3	22 31 200
		4	2.50 × 0.32	18.3	22 31 250
		3	3.00 × 0.32	22.6	22 31 300
03	**Solid aluminium deck; 0.32 m wide** profile height: 48 mm – completely made of aluminium – 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	1.10 × 0.32	4.7	22 11 110
		6	1.50 × 0.32	6.1	22 11 150
		6	2.00 × 0.32	8.0	22 11 200
		5	2.50 × 0.32	9.9	22 11 250
		4	3.00 × 0.32	11.9	22 11 300
		3	4.00 × 0.32	15.7	22 11 400
04	**Frame platform; 0.64 m wide** aluminium; film-coated plywood decking – extremely lightweight – standard width: 64 cm – with replaceable wood section insert / metal fixtures	3	1.50 × 0.64	11.4	22 02 150
		3	2.00 × 0.64	14.5	22 02 200
		3	2.50 × 0.64	17.9	22 02 250
		3	3.00 × 0.64	20.9	22 02 300
		3	4.00 × 0.32	18.7	22 01 400
05	**Intermediate deck, steel** hot-dip galvanised – as compensation deck for deck surfaces with different deck widths – predominantly required for surface-oriented scaffoldings	6	0.74 × 0.14	4.6	22 25 074
		6	1.10 × 0.14	6.4	22 25 110
		6	1.50 × 0.14	8.8	22 25 150
		6	2.00 × 0.14	11.6	22 25 200
		5	2.50 × 0.14	14.3	22 25 250
		4	3.00 × 0.14	17.1	22 25 300
		3	4.00 × 0.14	19.1	22 25 400
06	**Lightweight deck; 0.64 m wide** – extremely lightweight aluminium deck; profile height approx. 50 mm – combination of hollow chamber profiles and aluminium treadplate – non-slip surface; easily stackabl – with grip recess (plastic) at both ends	4	1.50 × 0.64	11.8	22 13 150
		4	2.00 × 0.64	15.5	22 13 200
		4	2.50 × 0.64	18.7	22 13 250
		3	3.00 × 0.64	22.6	22 13 300

* Please refer to section „Technical Details“ on page 52 for an overview of the load classes.

Delivery time on request

SCAFFOLDING DECKS / ACCESS DECKS

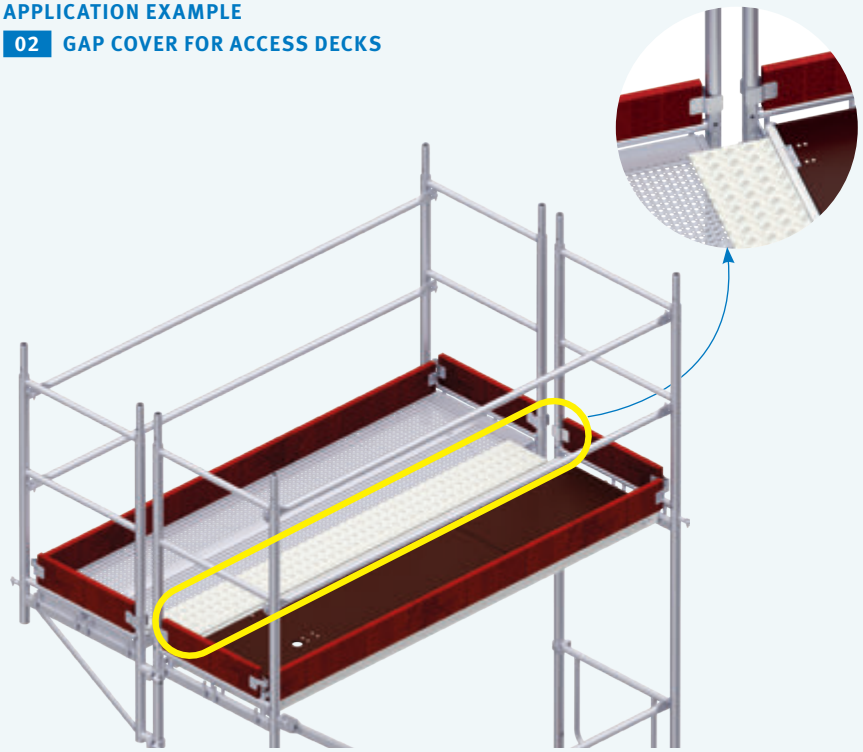
01

02

03

APPLICATION EXAMPLE

02 GAP COVER FOR ACCESS DECKS



04

APPLICATION EXAMPLE

06 **STEEL PLANK** with locking pin and spring clip

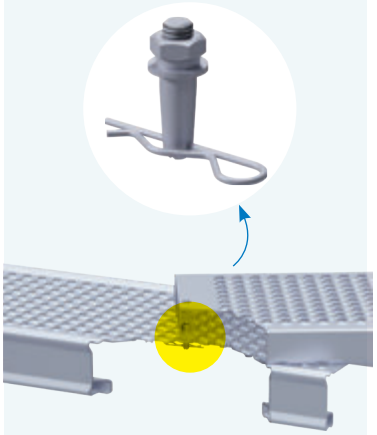
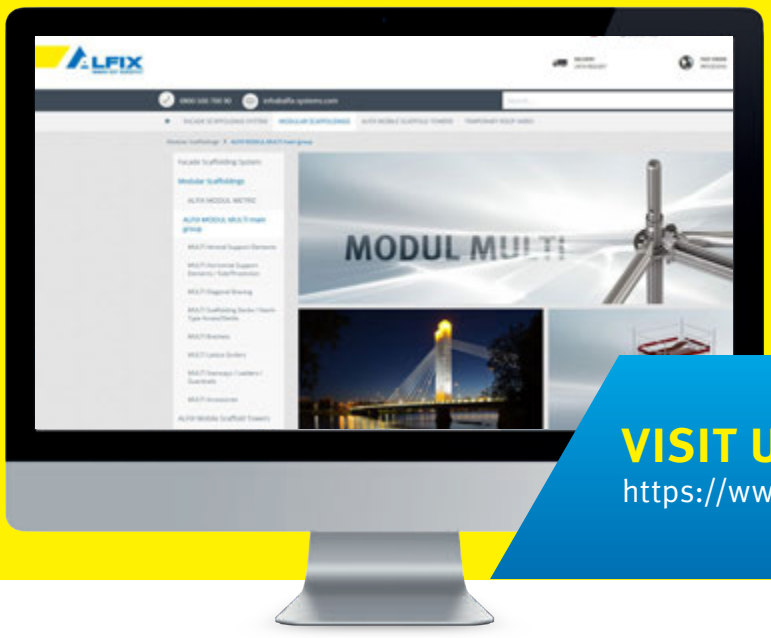


FIG.	DESCRIPTION	LOAD CLASS*	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Gap cover** wood; thickness 50 mm — to be placed between the decks — for covering construction-related gaps on bracket levels	3	2.00 × 0.14	8.3	22 33 200
		3	2.50 × 0.14	10.7	22 33 250
		3	3.00 × 0.14	12.7	22 33 300
02	**Gap cover for access decks 0.25 m, aluminium treadplate** aluminium — for installation between deck and access deck — for covering construction-related gaps — can be used in connection with external stairways		1.50 × 0.25	4.2	22 28 150
			2.00 × 0.25	5.6	22 28 200
			2.50 × 0.25	7.0	22 28 250
			3.00 × 0.25	8.4	22 28 300
03	**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!	4	1.00 × 0.30	5.5	12 24 100
		4	1.50 × 0.30	8.0	12 24 150
		3	2.00 × 0.30	10.5	12 24 200
		3	2.50 × 0.30	12.8	12 24 250
04	**Spring clip** ⊕ steel; galvanised — spare part for 06			0.03	73 04 006

* Please refer to section „Technical Details“ on page 52 for an overview of the load classes.



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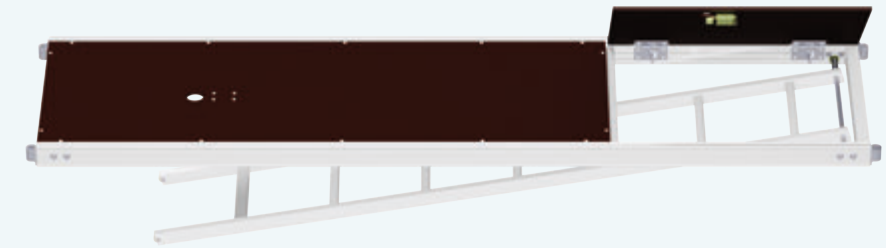
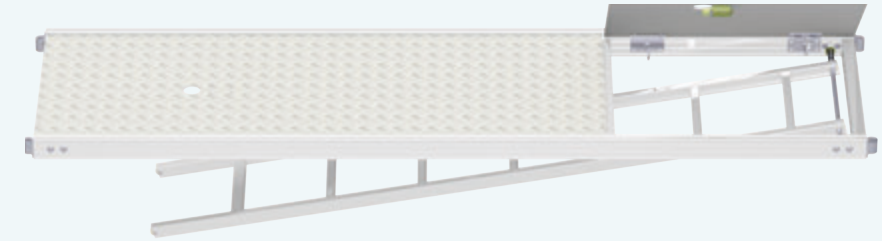
SCAFFOLDING DECKS / ACCESS DECKS



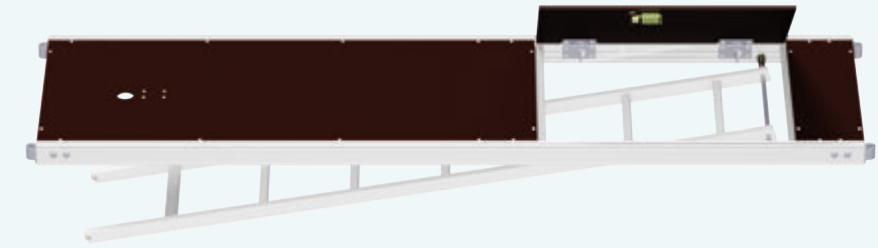
01



02

03

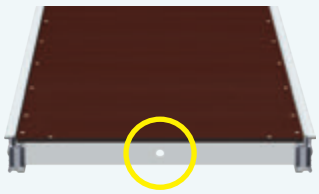
04



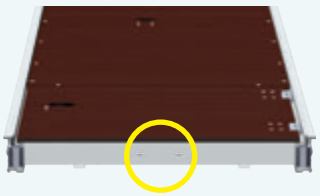
05

ACCESS DECKS AND FRAME PLATFORMS

Frame platforms without hatch access have 1 borehole at the front end, access decks have 2 boreholesn (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.



Frame platform



Access deck

FIG.	DESCRIPTION	LOAD CLASS*	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Access deck with ladder; 0.64 m** aluminium; film-coated plywood decking — convenient and fail-safe ladder and hatch latching — with waterproof, film-coated plywood surface	3	2.50 × 0.64	24.0	22 04 250
		3	3.00 × 0.64	27.0	22 04 300
02	**Access deck with ladder; 0.64 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	2.50 × 0.64	28.0	22 07 250
		3	3.00 × 0.64	31.9	22 07 300
03	**Access deck without ladder; 0.64 m** aluminium; film-coated plywood decking — with fittings in the hatch for storey ladders (see pages 16/17) — with waterproof, film-coated plywood surface	3	1.50 × 0.64	14.9	22 05 150
		3	2.00 × 0.64	17.0	22 05 200
		3	2.50 × 0.64	23.0	22 05 250
		3	3.00 × 0.64	26.0	22 05 300
04	**Access deck without ladder; 0.64 m** aluminium; chequer plate decking — with fittings in the hatch for storey ladders (see pages 16/17) — extremely durable and weather-resistant	3	1.50 × 0.64	16.0	22 08 150
		3	2.00 × 0.64	20.0	22 08 200
		3	2.50 × 0.64	24.0	22 08 250
		3	3.00 × 0.64	27.5	22 08 300
05	**Access deck with ladder; 0.64 m** aluminium; film-coated plywood decking — hatch offset, with tread — with waterproof, film-coated plywood surface	3	2.50 × 0.64	24.0	22 09 250
		3	3.00 × 0.64	30.0	22 09 300

* Please refer to section „Technical Details“ on page 52 for an overview of the load classes.

DETAIL

02 ACCESS DECK WITH LADDER (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. The patented scissor hinge ensures the access hatch functions reliably. For greater protection against sliding during transportation or secure assembly, the ladder suspension hardware is additionally equipped with a spacer sleeve on both sides, intended to prevent fingers from being pinched.

Spacer sleeve

Ladder latching

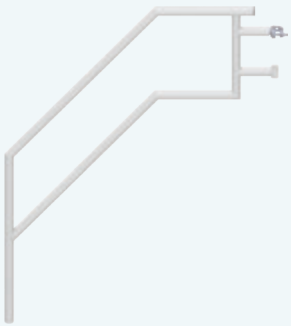
STAIRWAYS

1a

1b

2a

2b



03

STAIRWAY TOWER MADE OF ALFIX MODUL METRIC SYSTEM COMPONENTS

ALFIX offers an extensive range of stairways and stairway accessories. For further information please consult the ALFIX MODUL METRIC catalogue and the ALFIX MODUL MULTI stairway tower brochure!

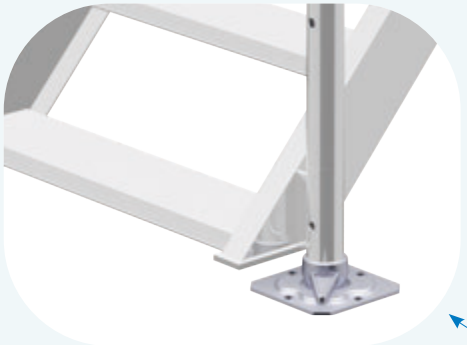
FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Storey ladder** for 2.00 m storey height — supplement for access decks without integrated storey ladder — suitable for bridging working areas	1a steel hot-dip galvanised	2.00 × 0.40	8.1	11 42 000
		1b aluminium	2.00 × 0.40	3.7	11 32 001
02	**Starting stairway, aluminium** ⊕ — at the platform with system fixture — with tubular sleeves at the bottom for accommodating base jacks — width: 0.64 m	2a	0.94 × 0.50	12.7	22 98 050
		2b	1.40 × 1.00	17.7	22 98 100
03	**Stair guardrail, aluminium** ⊕ — for 02 starting stairway, aluminium — with halfcoupler		1.40 × 1.00	5.8	12 98 101

APPLICATION EXAMPLE

02 STARTING STAIRWAY, ALUMINIUM
03 STAIR GUARDRAIL FOR STARTING STAIRWAY, ALUMINIUM

APPLICATION EXAMPLE

02 STARTING STAIRWAY, ALUMINIUM
03 STAIR GUARDRAIL FOR STARTING STAIRWAY, ALUMINIUM



STAIRWAYS

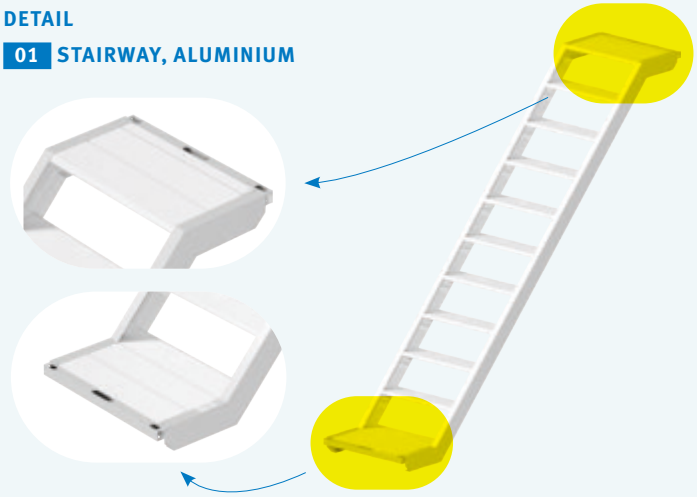
1a

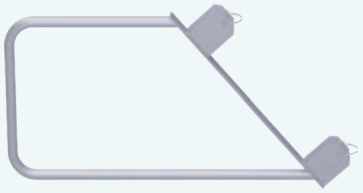
1b

1c

DETAIL

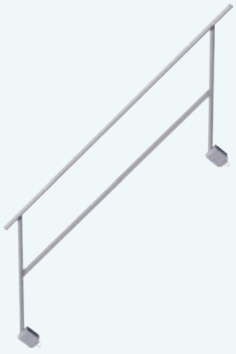
01 STAIRWAY, ALUMINIUM



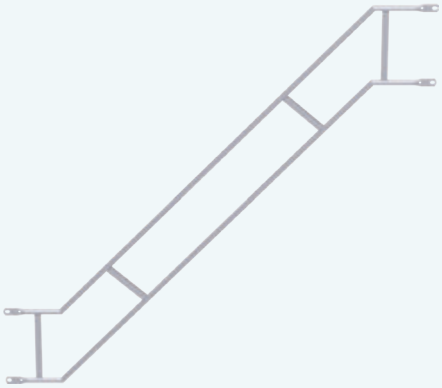


04

06



02



03

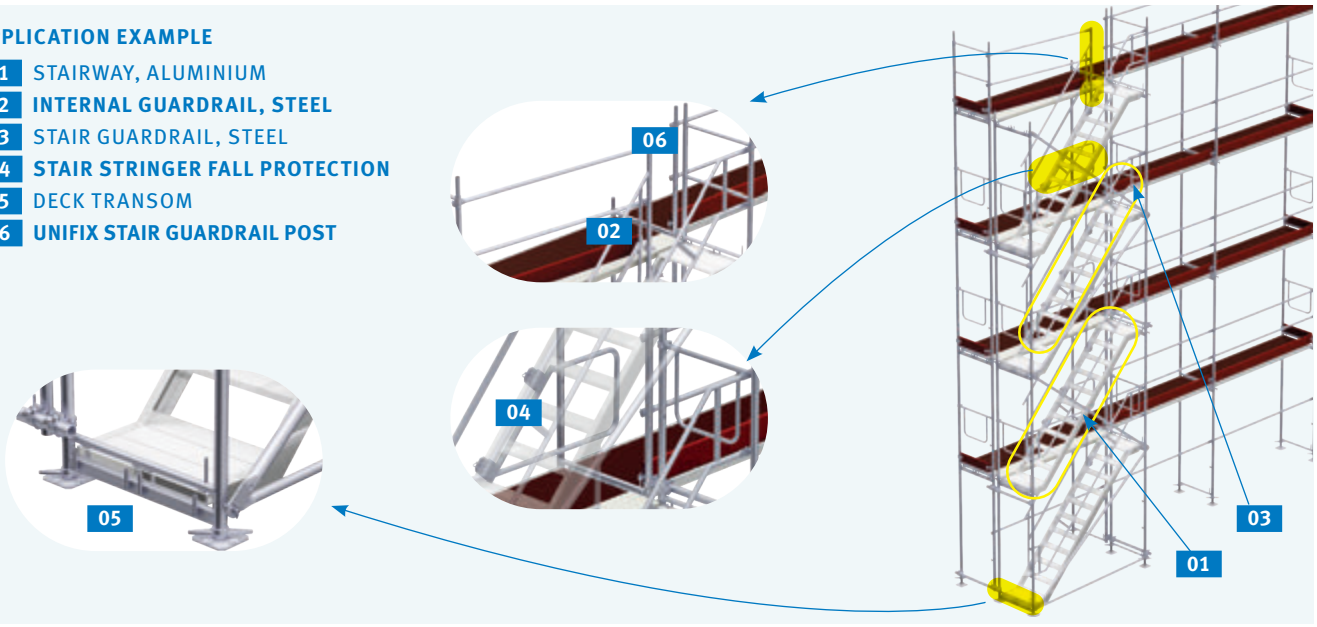
5a

5b

FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Stairway, aluminium** ⊕ max. load 2 kN or 200 kg/m² (load class 3) – with system fixture; 10-step, riser 20 cm – suitable for platform stairway tower applications – width: 0.64 m	1a	2.00 × 1.50	23.5	22 98 200
		1b	2.50 × 2.00	27.6	22 98 250
		1c	3.00 × 2.00	31.0	22 98 300
02	**Internal guardrail for aluminium stairway, steel, height 2.00 m** steel tube ø 33.7 mm; hot-dip galvanised – compatible with aluminium stairway – for applications with alternating stair arrangement – incl. linchpin 12 × 70 mmwith snap-on lock		2.00	13.3	11 31 000
03	**Double stair guardrail, steel** ⊕ steel tube ø 38,0 mm – compatible with aluminium stairway – with system fixture		2.00 × 1.50	12.3	22 98 201
			2.50 × 2.00	14.9	22 98 251
			3.00 × 2.00	16.4	22 98 301
04	**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
05	**Deck transom** ⊕ steel; hot-dip galvanised – serves as starting component for stairways and as platform for storey ladders	5a	0.74	4.1	24 03 070
		5b	1.10	8.4	24 03 110
06	**UNIFX 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	6.8	21 31 110

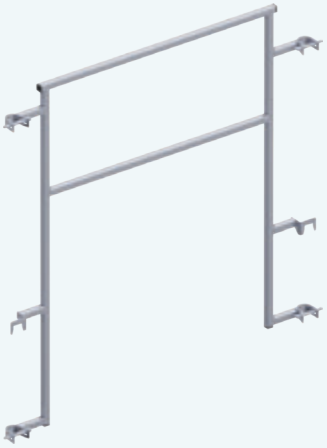
APPLICATION EXAMPLE

01 STAIRWAY, ALUMINIUM
02 **INTERNAL GUARDRAIL, STEEL**
03 STAIR GUARDRAIL, STEEL
04 **STAIR STRINGER FALL PROTECTION**
05 DECK TRANSOM
06 **UNIFIX STAIR GUARDRAIL POST**

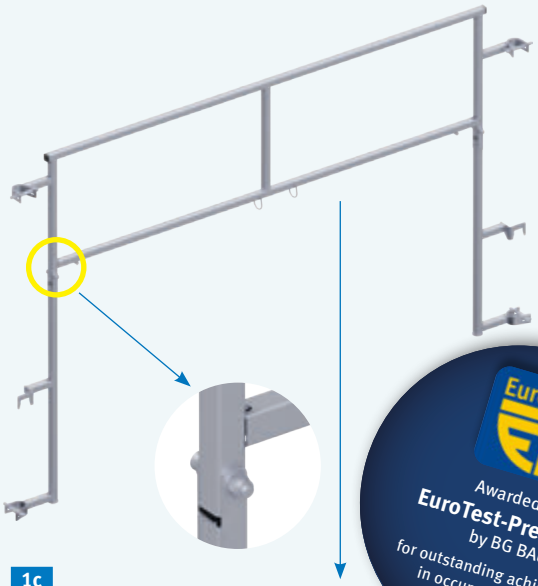


SIDE PROTECTION / TRBS GUARDRAIL

1a



1b

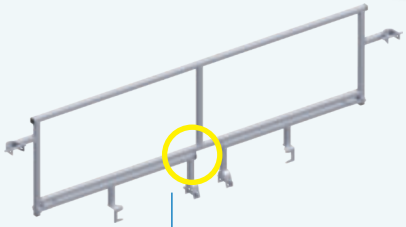


1c

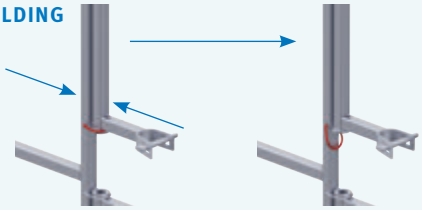
Euro Test®

Awarded the **EuroTest-Preis 2022** by BG BAU for outstanding achievements in occupational health and work safety

APPLICATION EXAMPLE 1c TRBS GUARDRAIL, FOLDING



UNLOCKING DEVICE 1c GUARDRAIL, FOLDING



APPLICATION EXAMPLE 1c TRBS GUARDRAIL, FOLDING

Disassembly from existing scaffold

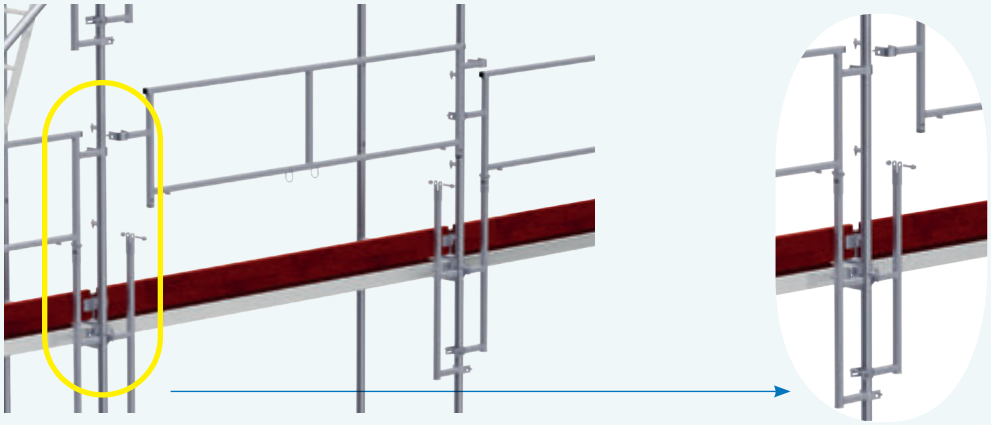
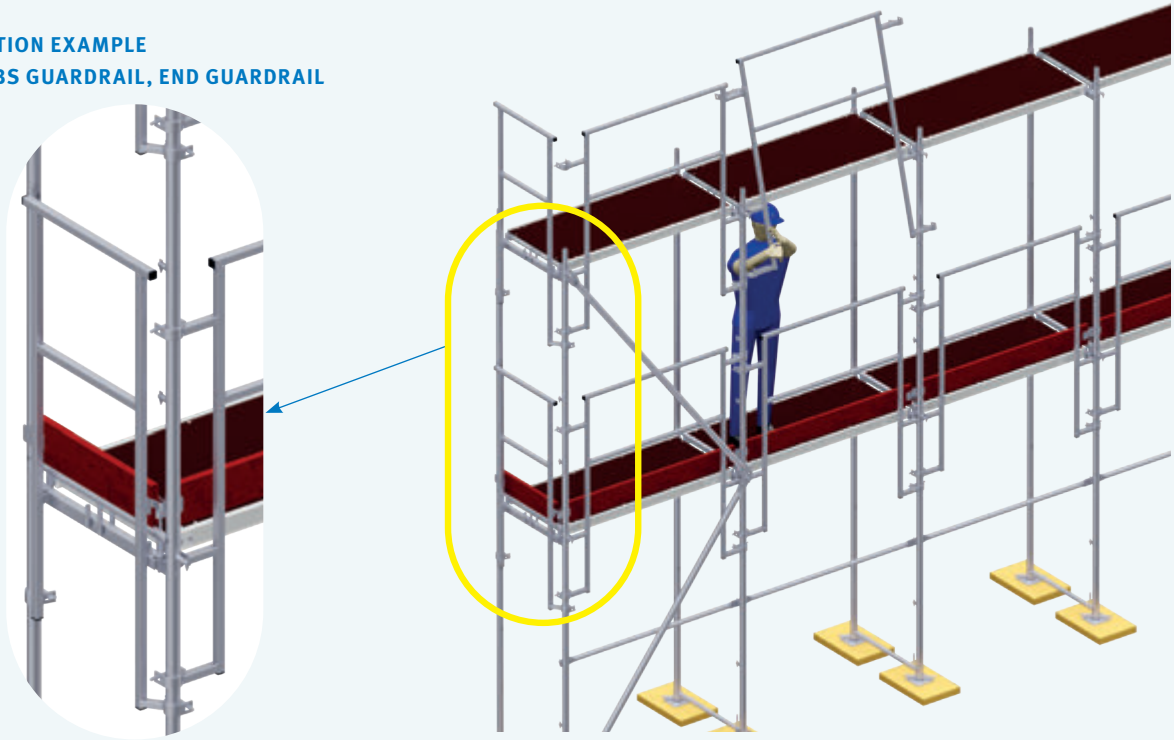


FIG.	DESCRIPTION	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**TRBS guardrail** ⊕ — advanced side protection in accordance with TRBS 2121-1 — system-integrated side protection: adequate alternative to the two-piece side protection — arbitrary assembly direction — all guardrails can easily 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	0.74	7.3	24 47 070
		1.10	8.2	24 47 100
1b	Rigid steel; hot-dip galvanised	0.74	8.7	24 47 074
		1.10	9.6	24 47 110
		1.50	10.8	24 47 150
		2.00	12.2	24 47 200
1c	Folding steel; hot-dip galvanised	2.50	14.7	24 47 250
		3.00	16.1	24 47 300

APPLICATION EXAMPLE

1b TRBS GUARDRAIL, END GUARDRAIL



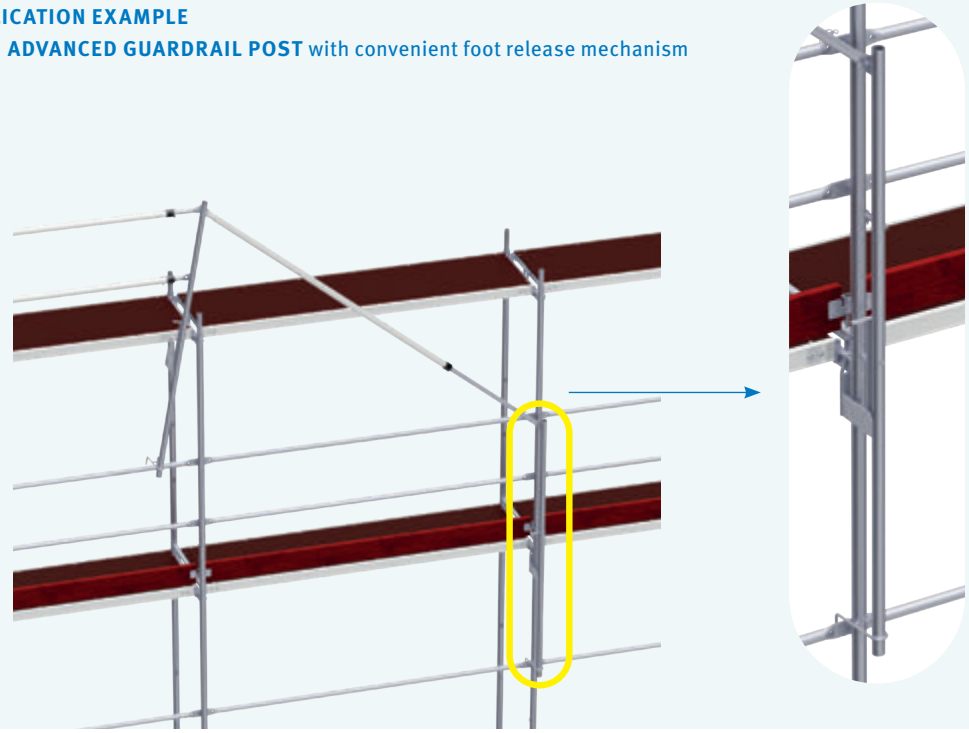
SIDE PROTECTION / ADVANCED GUARDRAIL

1a

1b

APPLICATION EXAMPLE

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



1c

APPLICATION EXAMPLE

1c **ADVANCED END GUARDRAIL FRAME**

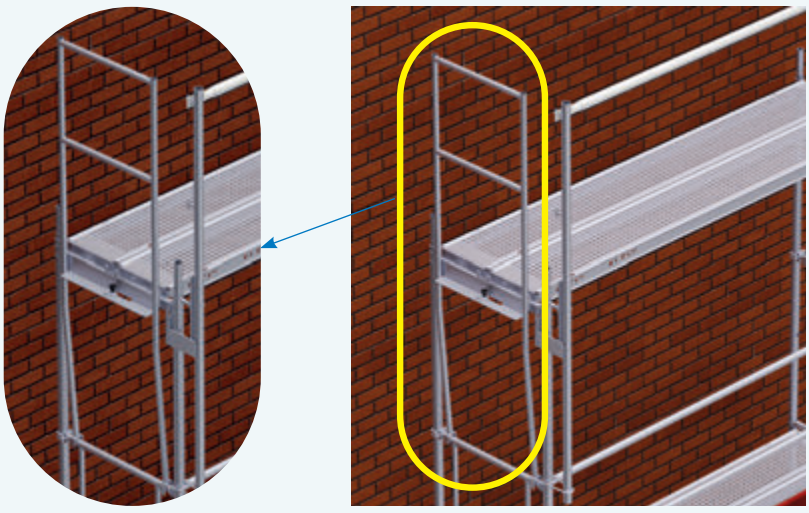


FIG.	DESCRIPTION	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Advanced side protection** — consisting of guardrail post, end guardrail & telescopic guardrail — safety device for scaffold assembly/disassembly — suitable for all compatible scaffolding systems — to ensure appropriate use, please 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	6.8	24 43 100
	— with 2 tilting pins for the construction of a temporary 2 pcs. lateral protection			
	1b 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
	1c Advanced end guardrail frame steel; hot-dip galvanised	0.74	9.3	24 43 301
	— with lift-off protection			
02	**Safety helmet with chin strap**	2a white (not shown)		37 50 018
		2b yellow		37 50 024
03	**Personal fall protection equipment kit (PPE)** EN 354 / 355 / 361 / 363; sharp-edge tested			37 67 009
	— 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 LinkTM attachment point at waist level to securely attach — accessories, e.g. 04 ratchet spanner holster			
04	**Ratchet spanner holster** — with integrated Pivot Link™ attachment point for secure attachment to safety harness			37 50 017

2b

03

04

SIDE PROTECTION / GUARDRAILS

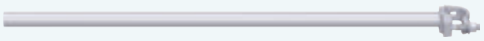
01

02

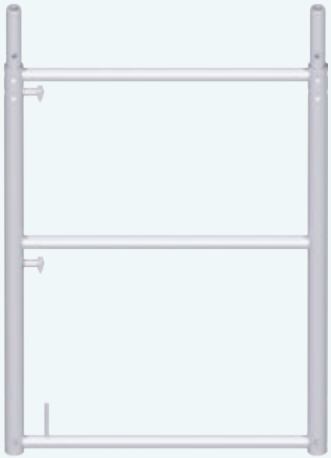
3a

3b

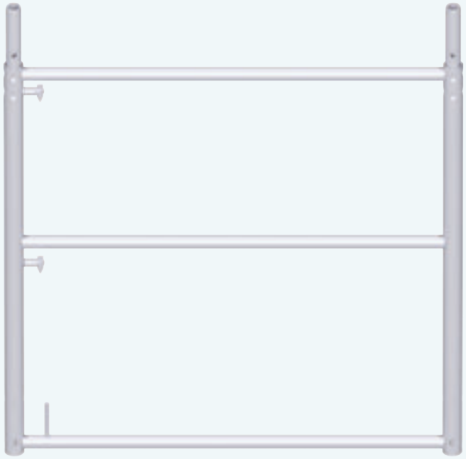
4a



4b



5a

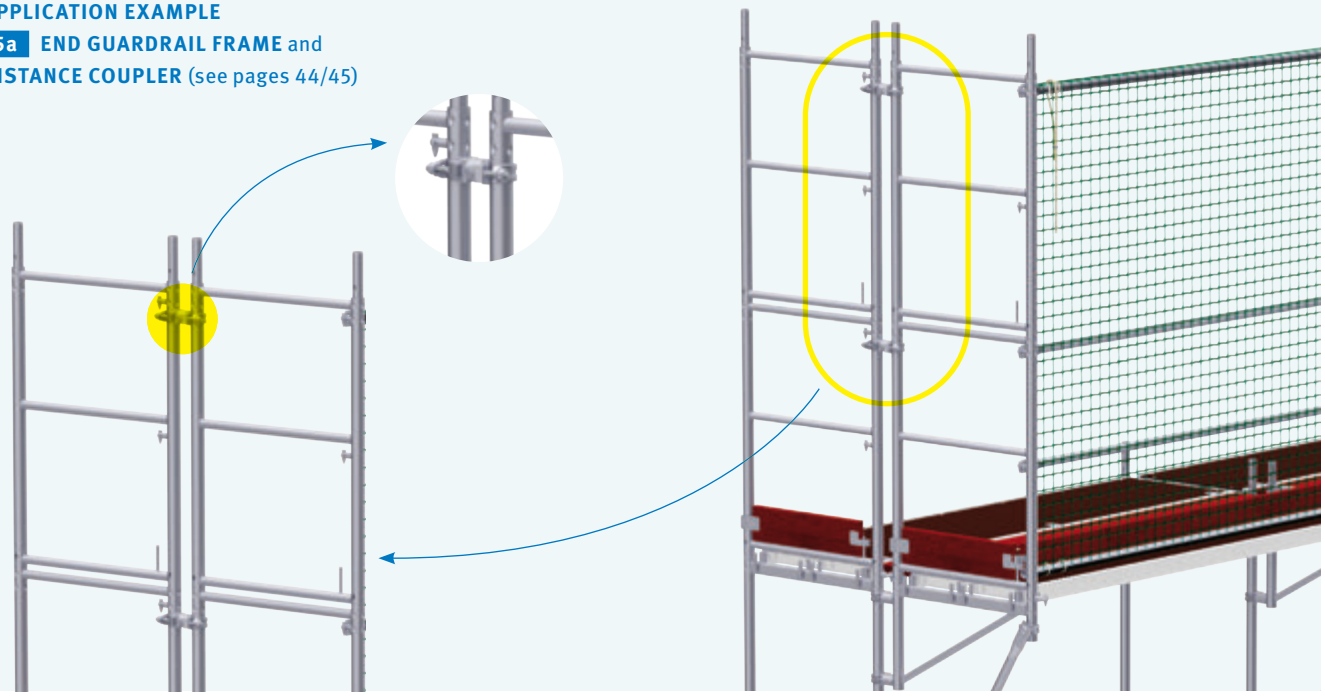


5b

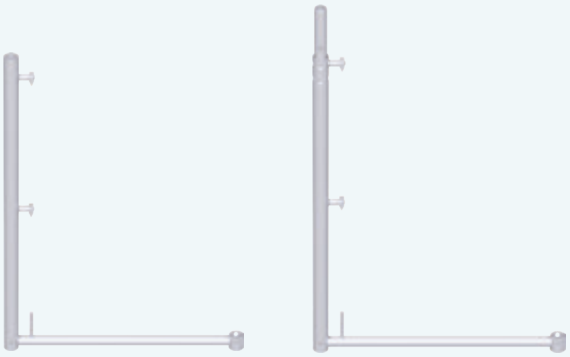
5c

FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Guardrail** steel tube ø 38 mm; hot-dip galvanised – for construction of side protection – fitting by means of tilting pins – available for all bay lengths – guardrails can also be used as horizontal struts (see page 31)		0.74	1.3	20 60 070
			1.10	1.8	20 60 110
			1.50	2.5	20 60 150
			2.00	3.4	20 60 200
			2.50	4.1	20 60 250
			3.00	6.1	20 60 300
			4.00	6.7	20 60 400
02	**Telescopic guardrail** steel; hot-dip galvanised – continuously adjustable by means of telescopic tube – incl. linchpin with snap-on lock for transport security		1.50 – 2.50	5.9	20 99 000
03	**Double end guardrail** steel tube ø 33.7 / 26.9 mm; hot-dip galvanised – for use as side protection on the end sides	3a WS 22	0.74	3.5	20 62 070
		3b WS 22	1.10	4.1	20 62 110
04	**End guardrail, single** steel tube ø 33.7 mm; hot-dip galvanised – for use as side protection on the end sides	4a WS 22	0.74	1.8	20 66 070
		4b WS 22	1.10	2.4	20 66 110
05	**End guardrail frame** ⊕ steel tube ø 48.3 mm, hot-dip galvanised – serves as end side protection and lift-off preventer on top level	5a steel	1.00 × 0.74	12.1	20 67 070L
		5b steel	1.00 × 1.10	15.7	20 67 110L
		5c aluminium	1.00 × 0.74	5.8	20 67 074

APPLICATION EXAMPLE
5a END GUARDRAIL FRAME and
DISTANCE COUPLER (see pages 44/45)



SIDE PROTECTION / GUARDRAILS

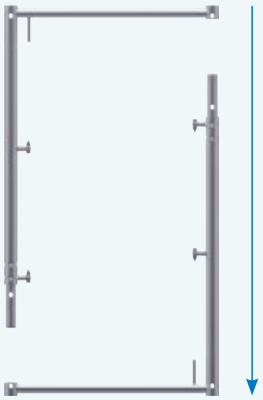


1a without tube connector **1c** with tube connector

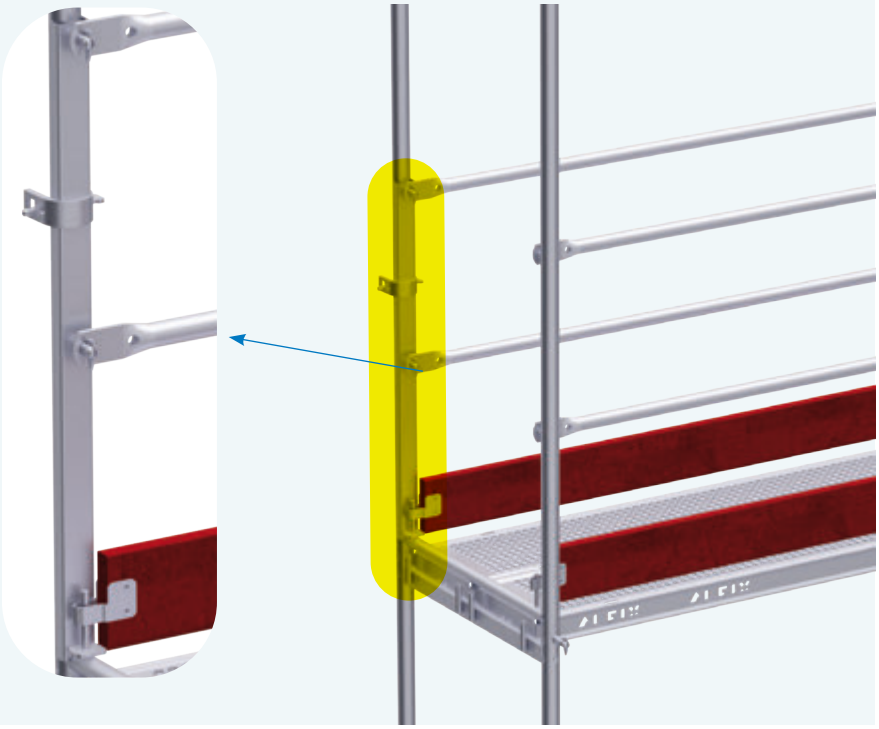
02

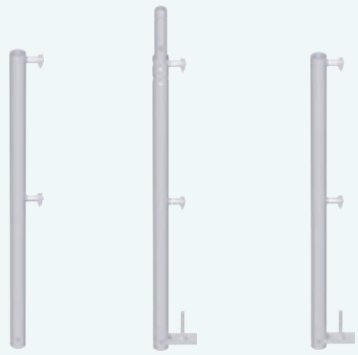
03

APPLICATION EXAMPLE:
Guardrail posts with tube connectors allow for the connection of two posts, ensuring a simple and space-saving storage and transport.



APPLICATION EXAMPLE
03 INTERNAL GUARDRAIL HOLDER



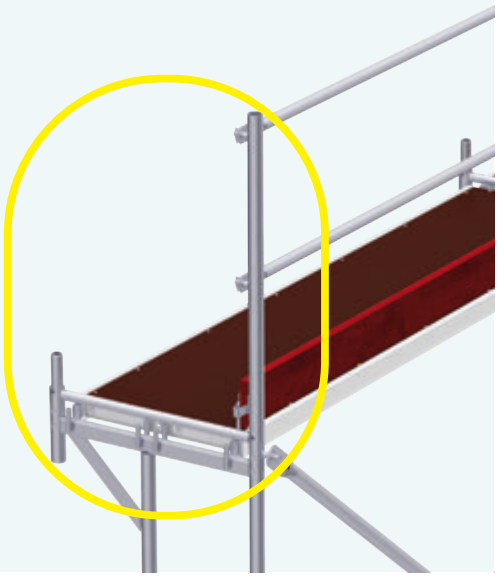


4a **4b** **4c**

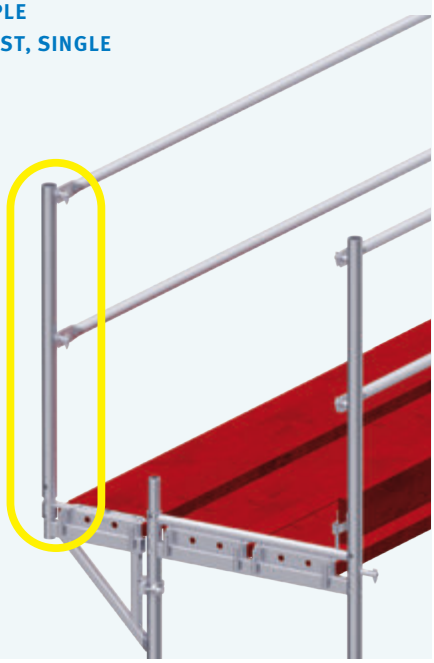
5a **5b**

FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Guardrail post** ⊕ steel tube ø 48.3 / 33.7 mm; hot-dip galvanised — also serves as upper lift-off preventer	1a without tube connector	1.00 × 0.74	5.3	20 64 070L
		1b without tube connector (not shown)	1.00 × 1.10	6.8	20 65 111
		1c with tube connector	1.00 × 0.74	6.2	20 64 071L
02	**Guardrail post upper part** steel tube ø 48.3 mm; hot-dip galvanised; with tube connector — for fitting onto guardrail posts without tube connector to extend as required		1.00	4.2	20 64 101L
03	**Internal guardrail post** ⊕ steel; hot-dip galvanised — with 2 tilting pins and toeboard pins — for quick assembly of a three-part side protection		1.00	3.3	20 65 713
04	**Guardrail post, single** ⊕ steel tube ø 48.3 mm; hot-dip galvanised	4a without tube connector; without lift-off preventer	1.00	3.4	20 65 100L
		4b with tube connector; with short lift-off preventer	1.00	4.5	20 65 101L
		4c without tube connector; with short lift-off preventer	1.00	3.6	20 65 102L
05	**Upper lift-off preventer** steel tube ø 33.7 mm; hot-dip galvanised — one side with socket ø 48.3 mm — lift-off prevention by means of locking pins — one side with socket ø 57.0 mm to accommodate the 4a single guardrail post	5a with toeboard support	0.74	1.8	20 48 070
		5b with toeboard support	1.10	3.0	20 48 110

APPLICATION EXAMPLE
1a GUARDRAIL POST



APPLICATION EXAMPLE
4c GUARDRAIL POST, SINGLE

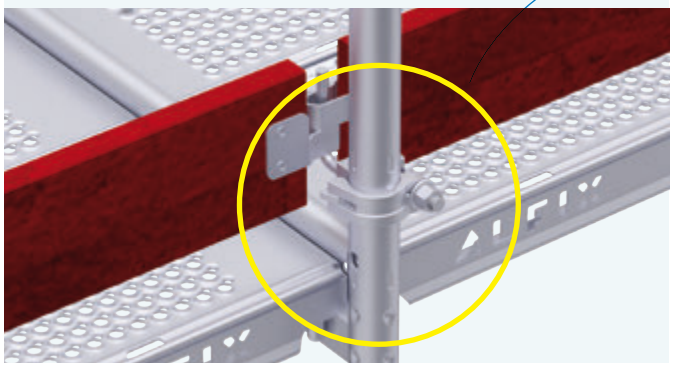


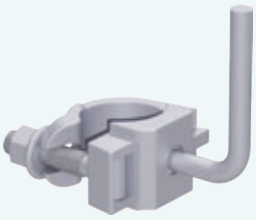
SIDE PROTECTION / TOEBOARDS

01

02 0.74 m

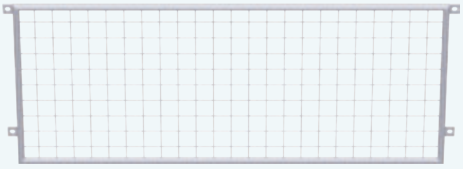
APPLICATION EXAMPLE
03 HALFCOUPLER WITH TOEBOARD BOLT





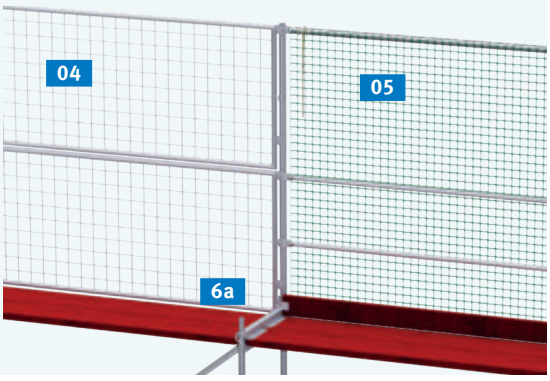
03

05

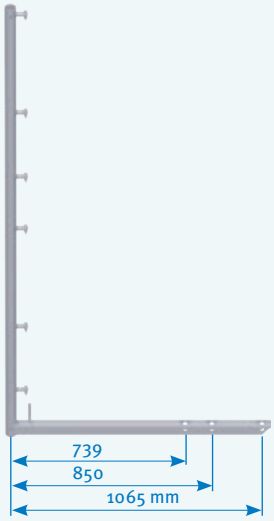


04

APPLICATION EXAMPLE
04 SAFETY SIDE MESHGUARD
05 GUARD NET SYSTEM
6a SAFETY MESHGUARD POST



6a



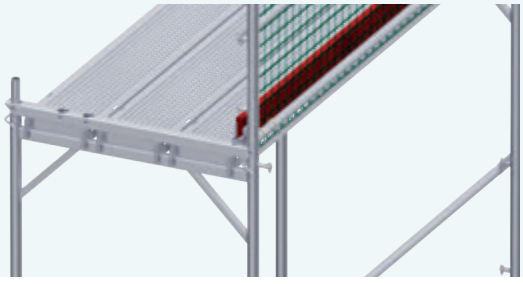
6b

FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Toeboard, wood** — impregnated wood (weather-resistant) — fitted with toeboard pins or halfcoupler with toeboard bolt — with claws; standard height 15 cm		0.74	1.8	22 50 070
			1.10	2.4	22 50 110
			1.50	4.0	22 50 150
			2.00	5.0	22 50 200
			2.50	6.5	22 50 250
			3.00	7.5	22 50 300
			4.00	10.0	22 50 400
02	**End toeboard, wood** — impregnated wood (weather-resistant) — fitted with toeboard pins or halfcoupler with toeboard bolt — with claws; standard height 15 cm		0.74	1.5	22 51 070
			1.10 (not shown)	2.3	22 51 110
03	**Halfcoupler with toeboard bolt** steel; galvanised ⊕	WS 22		0.6	13 13 022
04	**Safety side meshguard** ⊕ steel tube ø 38 mm; hot-dip galvanised — with fixture for tilting pins — for use in conjunction with brick guards — if a safety net post is used, two safety side meshguards are mounted one above the other		1.50 × 1.00	10.4	24 27 150
			2.00 × 1.00	12.4	24 27 200
			2.50 × 1.00	14.4	24 27 250
			3.00 × 1.00	16.4	24 27 300
05	**Guard net system*** ⊕ ready for mounting, mesh size 100 mm — with guardrail and aluminium tube with tube connector — with fixing cords (left and right)		2.00 × 2.00	13.0	24 22 200
			2.50 × 2.00	14.0	24 22 250
			3.00 × 2.00	15.0	24 22 300
06	**Safety meshguard post** ⊕ steel tube ø 48.3 mm; hot-dip galvanised — with 6 tilting pins for fitting safety meshguards, guard net systems or side protection nets — for use in roof fall arrest and brick guard scaffold		6a 2.00 × 0.74	14.2	24 27 207
			6b 2.00 × 0.74/ 0.85/ 1.10	15.8	24 27 201

* For system-independent nets please consult the ALFIX Accessories Catalogue.

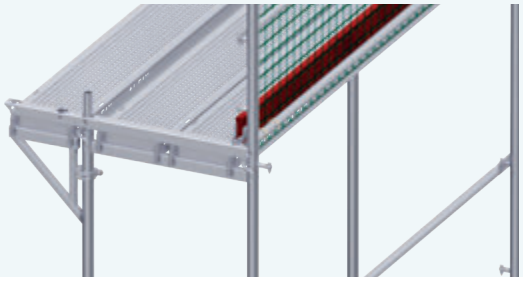
APPLICATION EXAMPLE

6b SAFETY MESHGUARD POST on assembly frame 1.10 m

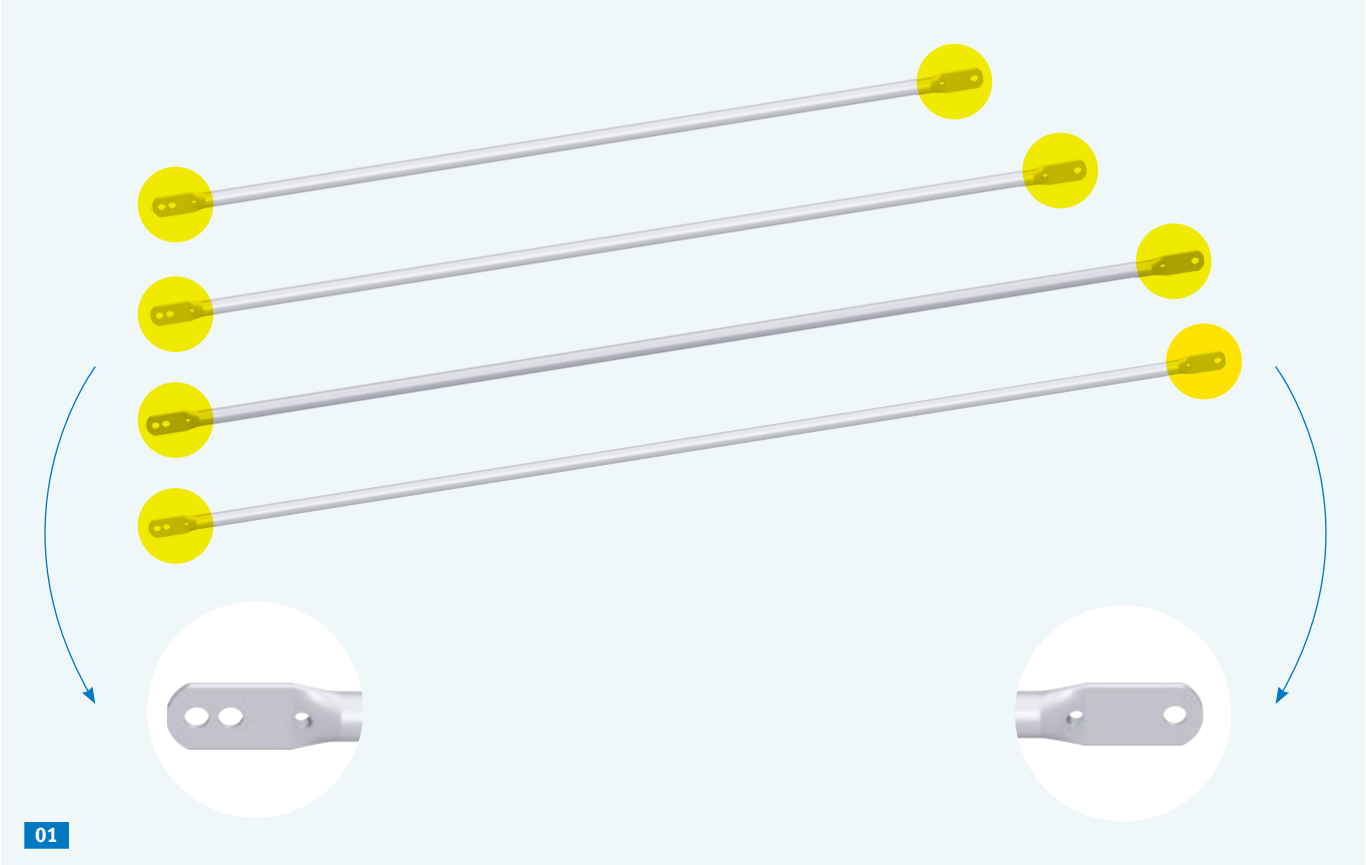


APPLICATION EXAMPLE

6b SAFETY MESHGUARD POST on assembly frame 0.74 m, with inner bracket 0,32 m, without tube connector

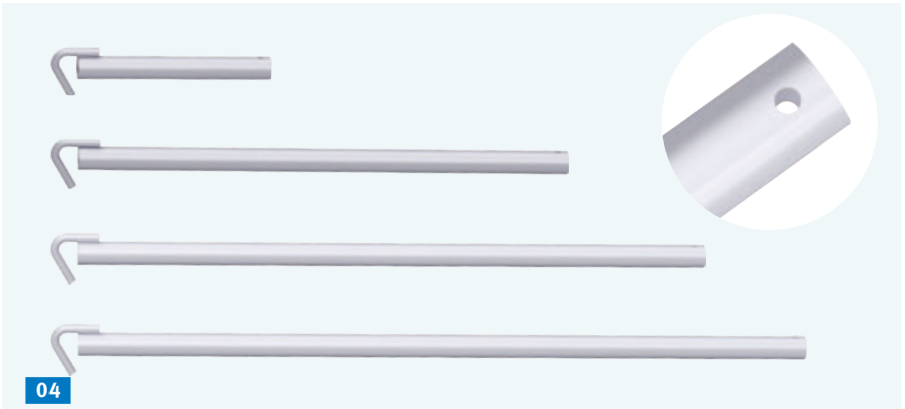


EXTENSION PARTS



01

03



04

APPLICATION EXAMPLE
Diagonal brace fixture
with tilting pins

APPLICATION EXAMPLE
02 LOWER DIAGONAL BRACE FIXTURE

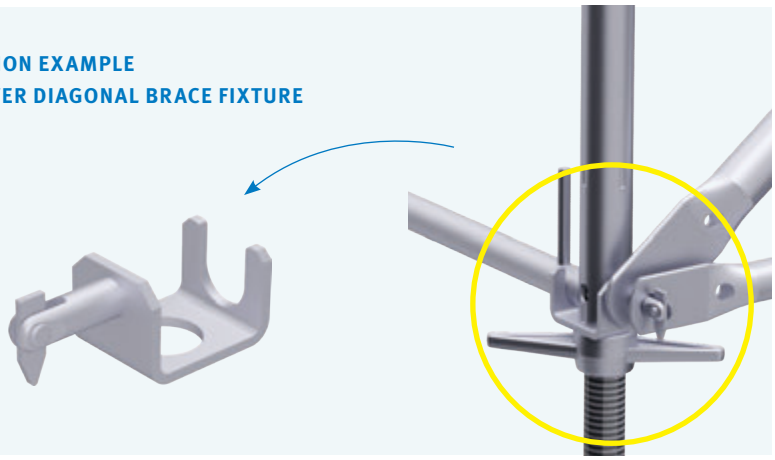
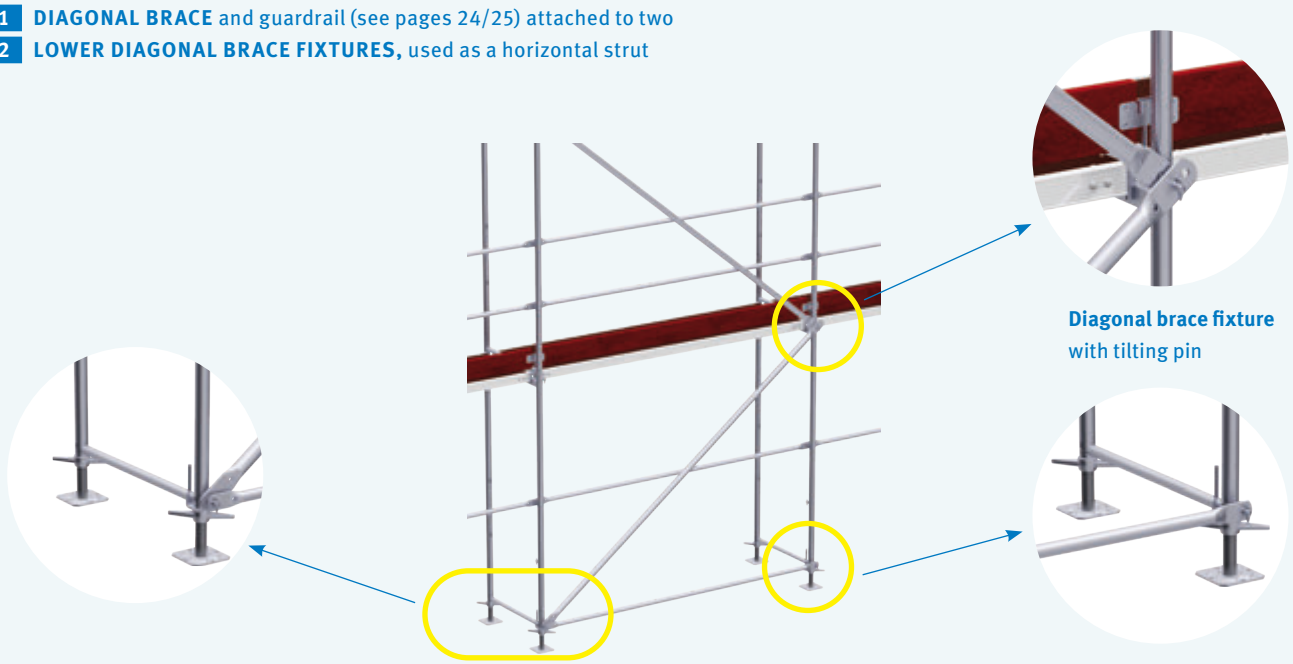


FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Diagonal brace** ⊕ steel tube ø 48.3 × 3.2 mm; hot-dip galvanised; fixture by means of tilting pins at the assembly frames — for vertical bracing of scaffolding	for bay height 2.00 m	1.50	7.8	21 01 250
			2.00	8.9	21 01 283
			2.50	10.0	21 01 320
			3.00	11.2	21 01 361
			4.00	16.5	21 01 445
		for bay height 1.00 m	2.50	7.8	21 01 269
			3.00	8.8	21 01 316
02	**Lower diagonal brace fixture** ⊕ steel; hot-dip galvanised — serves as lower suspension for diagonal braces, or to accommodate guardrails used as a horizontal strut			0.7	21 28 000
03	**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 transom member — flexible wall distance — fastened with one standard coupler below the transom member		0.70	3.0	23 62 070
04	**Distance tube** steel tube ø 48.3 mm; hot-dip galvanised — assembly with two standard couplers to both frame tubes starting at a height of 1.00 m — with borehole for locking the EIFS anchor sleeve using a linchpin starting at a height 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

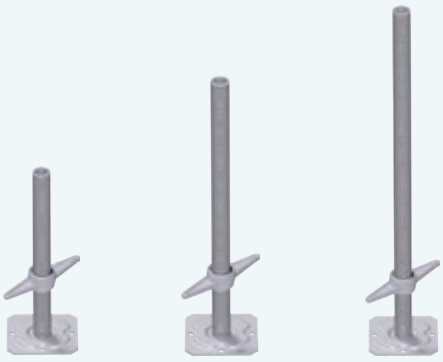
APPLICATION EXAMPLE

01 **DIAGONAL BRACE** and guardrail (see pages 24/25) attached to two
02 **LOWER DIAGONAL BRACE FIXTURES,** used as a horizontal strut



Diagonal brace fixture
with tilting pin

EXTENSION PARTS



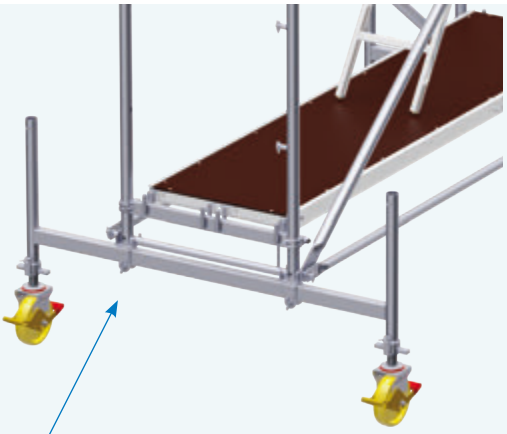
01 0.40 m 0.60 m 0.80 m

02

03

APPLICATION EXAMPLE

05 ROLLING BEAM, universal design, adjustable



5a

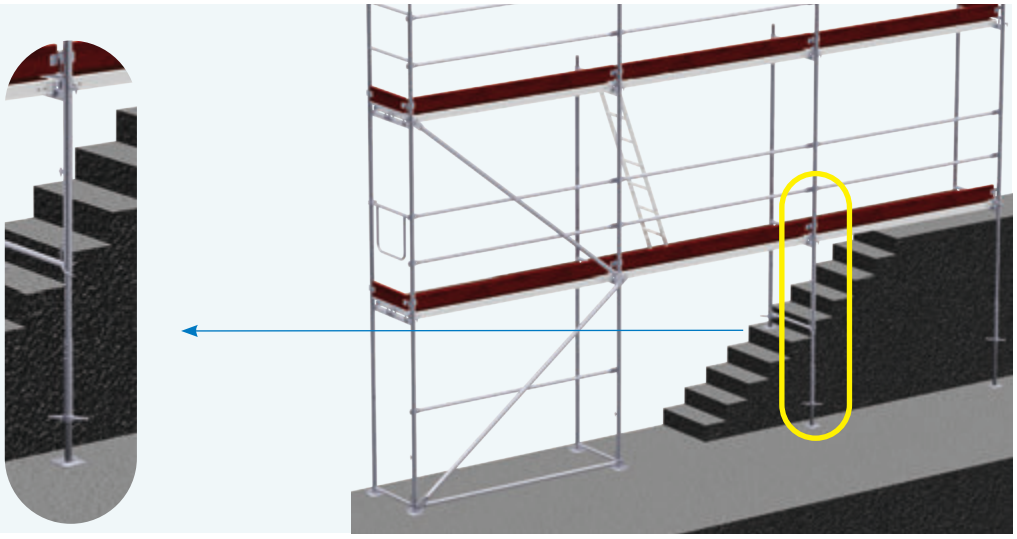
04

06

07

FIG.	DESCRIPTION		SPINDLE TRAVEL [max.]	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Base jack** steel; hot-dip galvanised — baseplate 15 × 15 cm; threaded tube 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 38 mm		0.45	0.60	4.5	11 52 060
03	**Spacer tube** ⊕ steel; hot-dip galvanised — levelling function (e.g. for the bottom of a 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, universal design** ⊕ steel; hot-dip galvanised — with two adjustable tube connectors	5a		1.60	10.7	30 07 510
		5b (not shown)		2.00	14.6	30 07 610
06	**UNIFIX rolling beam** steel; hot-dip galvanised — for assembling mobile scaffold towers — with tube connectors at different positions for various modes of assembly and fitting			2.00	18.6	24 10 200
07	**Castor** steel; galvanised, wheel type: plastic ø 200 mm — with twinbrake lever — load centering — with threaded tube ø 38 mm for height adjustment — permissible load 10 kN		0.35	0.50	6.5	14 12 007

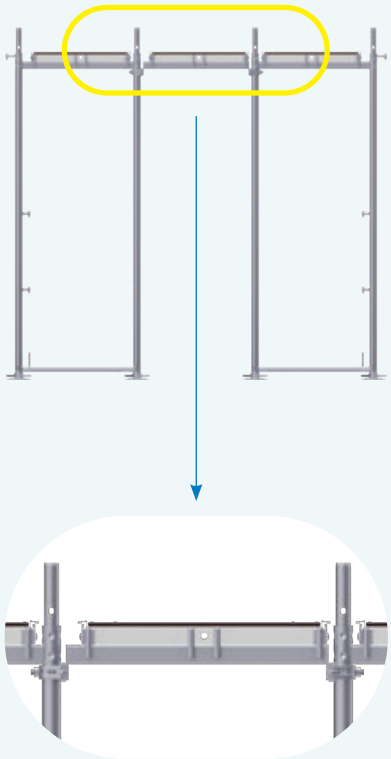
APPLICATION EXAMPLE
03 SPACER TUBE



EXTENSION PARTS

APPLICATION EXAMPLE
1a TRANSOM WITH COUPLERS

APPLICATION EXAMPLE
3a PLATFORM TRANSOM



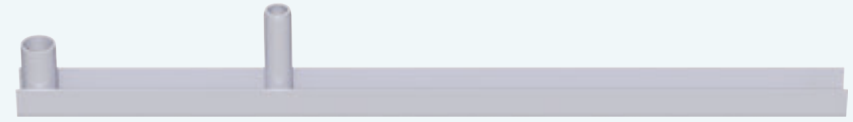
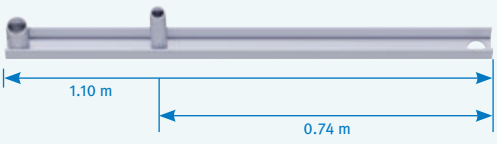
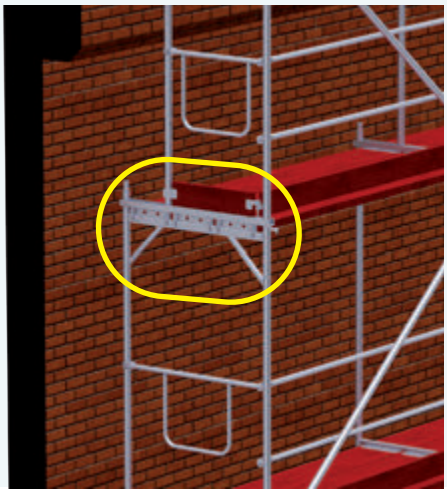


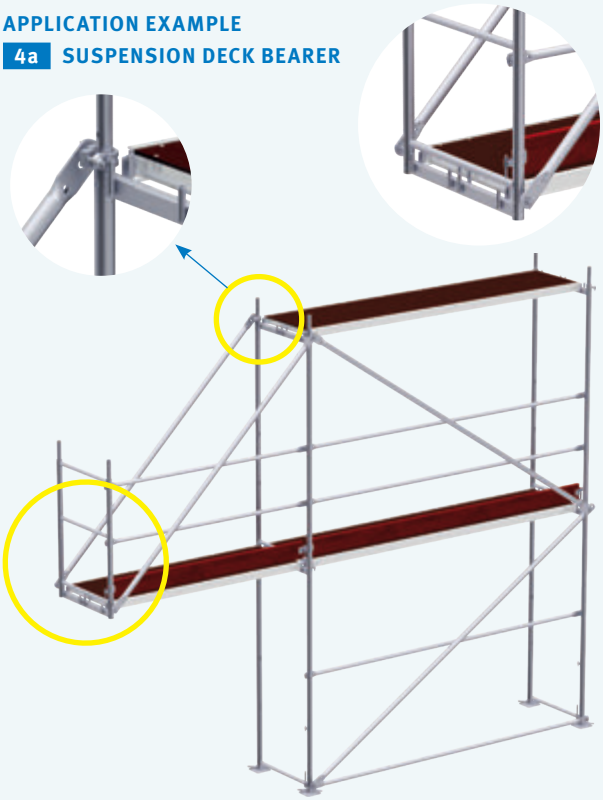
FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Transom with couplers** ⊕ steel; hot-dip galvanised – with pins for the suspension of system decks and 2 halfcouplers – for constructing a bearing surface for intermediate heights in the assembly frame	1a WS 22	0.74	4.0	24 00 070
		1b WS 22	1.10	8.4	24 00 110
02	**Transition deck bearer** ⊕ steel; hot-dip galvanised – transition from width 1.10 m to 0.74 m, e.g. with façade projections – fitted onto 1.10 m assembly frame		1.10	6.0	24 04 111
03	**Platform transom** ⊕ steel; hot-dip galvanised – with pins for the suspension of system decks and 2 halfcouplers – for constructing flat, even surfaces between assembly frames	3a WS 22	0.74	4.3	24 01 070
		3b WS 22	1.10	5.0	24 01 110
04	**Suspension deck bearer** ⊕ steel; hot-dip galvanised – with pins for the suspension of system decks and two tilting pins for fixing diagonal braces – for constructing the bottom platform in suspended scaffoldings and in case of projections – Structural certificate required in each individual case!	4a	0.74	6.5	24 02 070
		4b	1.10	10.9	24 02 110

APPLICATION EXAMPLE
02 TRANSITION DECK BEARER

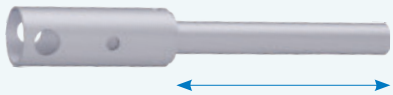




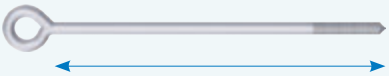
APPLICATION EXAMPLE
4a SUSPENSION DECK BEARER



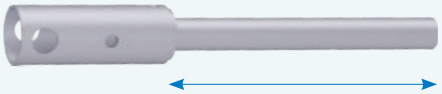
ANCHORING



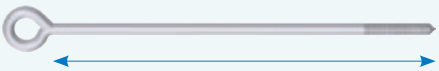
1a



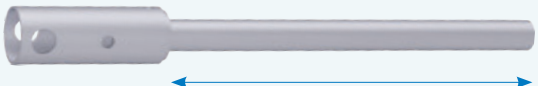
2a



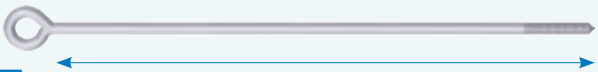
1b



2b



1c



2c

03

04

05

06

07

APPLICATION EXAMPLE
1a ANCHOR SLEEVE with
05 LINCHPIN

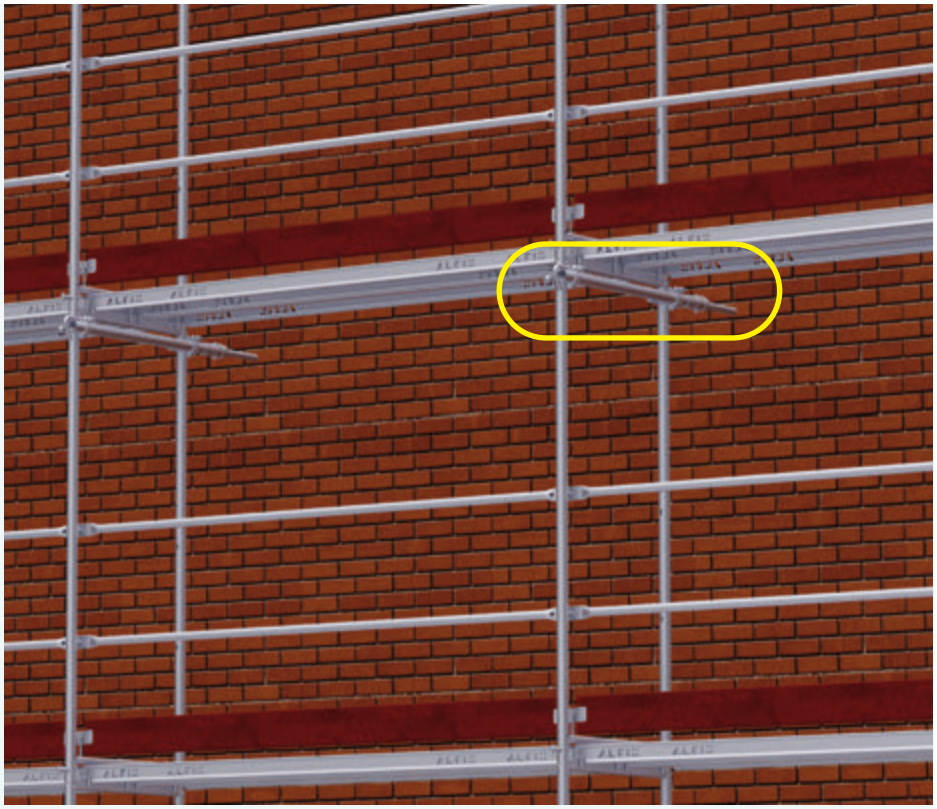
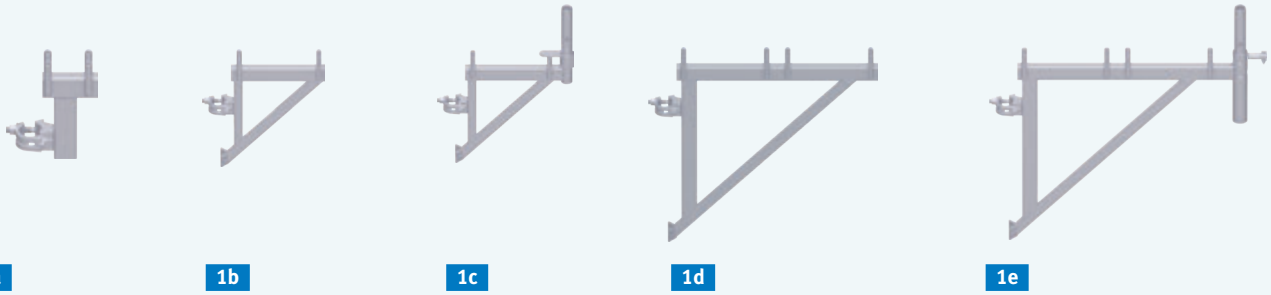


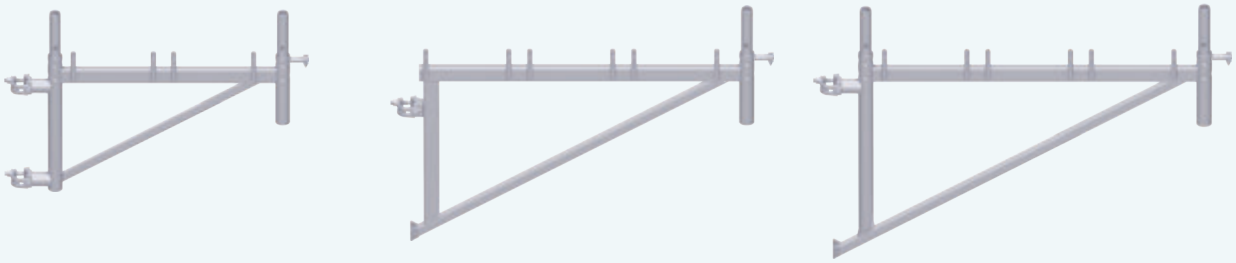
FIG.	DESCRIPTION		LENGTH [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Anchor sleeve** ⊕ steel tube ø 57 / 32 mm; hot-dip galvanised — for anchoring façade scaffoldings to buildings for which EIFS is required / has already been installed — anchoring generally required only at every 4th-5th anchoring point — 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 EIFS thickness of up to 220 mm		1.8	13 60 300
		1b 350 EIFS thickness of up to 270 mm		2.0	13 60 350
		1c 475 EIFS thickness of up to 395 mm		2.8	13 60 475
02	**Ring screw** steel; galvanised ø 12 mm — screw eye size 25 mm — wood screw thread — for dowel ø 14 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** ø32 mm; 220 mm				13 60 002
05	**Linchpin** ⊕ steel; 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** steel; galvanised; 60 / 48 mm; WS 19			1.5	13 11 419

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.

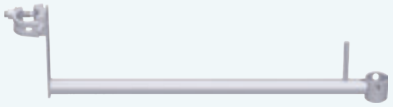
BRACKETS



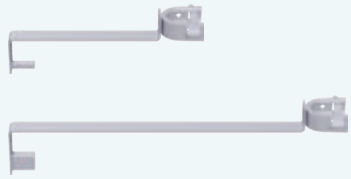
1a 1b 1c 1d 1e



1f 1g 1h



02

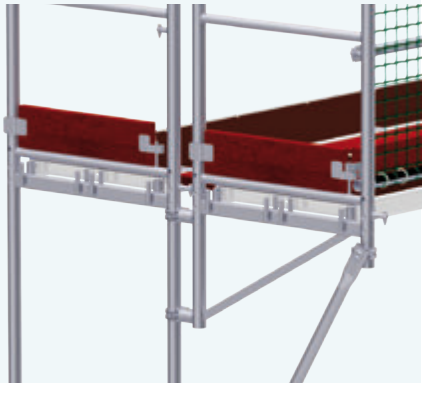


3a 3b

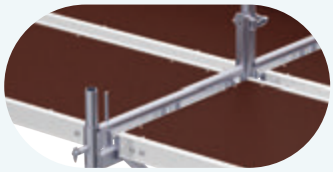
4b

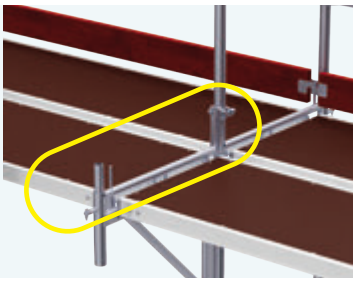
5a 5b

APPLICATION EXAMPLE
1e **BRACKET** and diagonal cross braces 1.77 m (see pages 40/41)



APPLICATION EXAMPLE
02 **LIFT-OFF PREVENTER FOR BRACKET 0.64 m**





APPLICATION EXAMPLE
4a **EXTENSION BRACKET,**
5a **SOLID WOODEN DECK** and diagonal cross braces (see pages 40/41) for extending the scaffolding bay

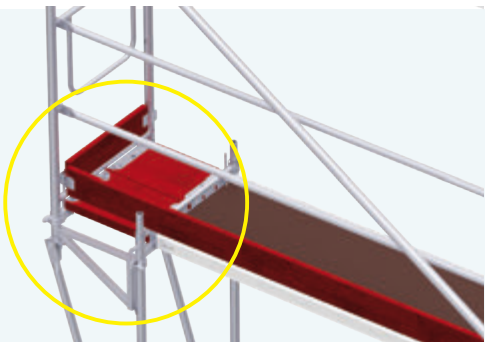
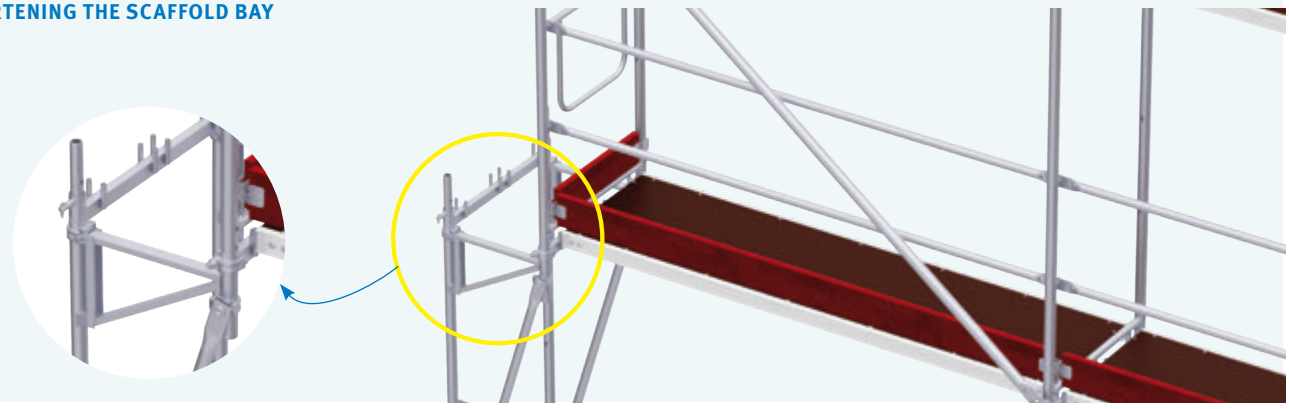


FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Bracket*** ⊕ steel; hot-dip galvanised — for widening scaffolding bays / converting projecting building parts — with pins for system deck suspension — to reduce the distance to the wall (e.g. thermal insulation works) — in conjunction with intermediate deck, steel (see pages 10/11) — for widening the working area due to structural conditions — available as bracket 0.32 m with lift-off preventer — with or without tube connector	1a without tube connector	0.15	2.4	20 31 016
		1b without tube connector	0.32	3.8	20 31 033
		1c with tube connector	0.32	5.3	20 31 032
		1d without tube connector	0.64	6.9	20 31 066
		1e with tube connector	0.64	8.0	20 31 065
		1f with two tube connector	0.74	10.0	20 31 074
		1g with tube connector	0.96	12.6	20 31 096
		1h with two tube connector	1.10	14.5	20 31 110
02	**Lift-off preventer for bracket with tube connector** ⊕ steel; hot-dip galvanised — for use in conjunction with brackets with tube connector		0.64	2.5	20 48 064
03	**Lift-off preventer for bracket without tube connector** ⊕ steel; hot-dip galvanised — for use in conjunction with brackets without tube connector — with bended profile coupler on one side for fitting to tubes with Ø 48.3		0.32	1.5	20 48 033
			0.64	2.1	20 48 066
04	**Extension bracket** ⊕ steel; hot-dip galvanised — for extending or shortening the scaffolding bay in accordance with the grid size by 0.50 or 1.00 m respectively — for accommodating solid wooden decks of 0.50 m or 1.00 m the deck transom (see pages 18/19) is required	3a with tube connector	0.50	5.0	20 49 050
		3b with tube connector	1.00	8.0	20 49 100
05	**Wooden deck** ⊕ for extension bracket see pages 10/11 for further details	4a	0.50 × 0.32	4.5	22 31 050
		4b	1.00 × 0.32	8.2	22 31 100

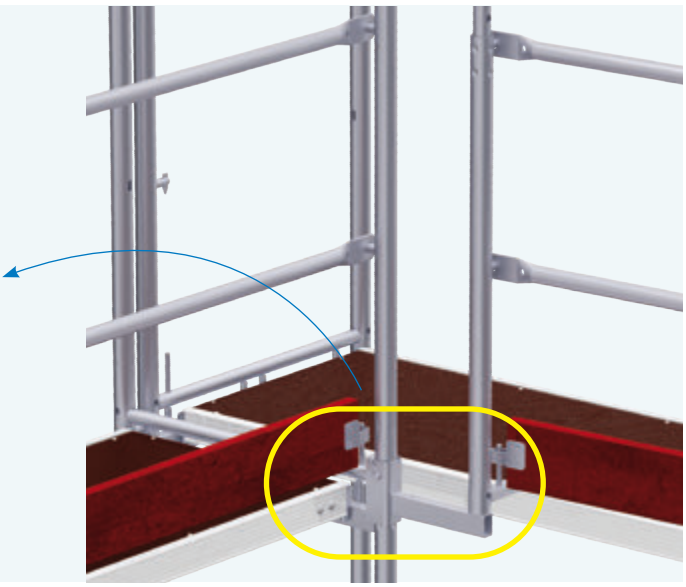
* For detailed information on proper use of the brackets (0.32 m - 0.74 m) see the UNIFIX Instructions for Assembly and Use.

APPLICATION EXAMPLE

3a EXTENSION BRACKET IN CONJUNCTION WITH A DECK TRANSOM 0.74 m (SEE PAGES 18/19) FOR SHORTENING THE SCAFFOLD BAY



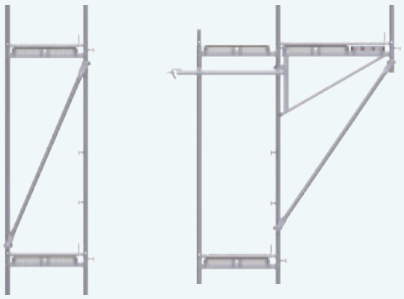
BRACKETS

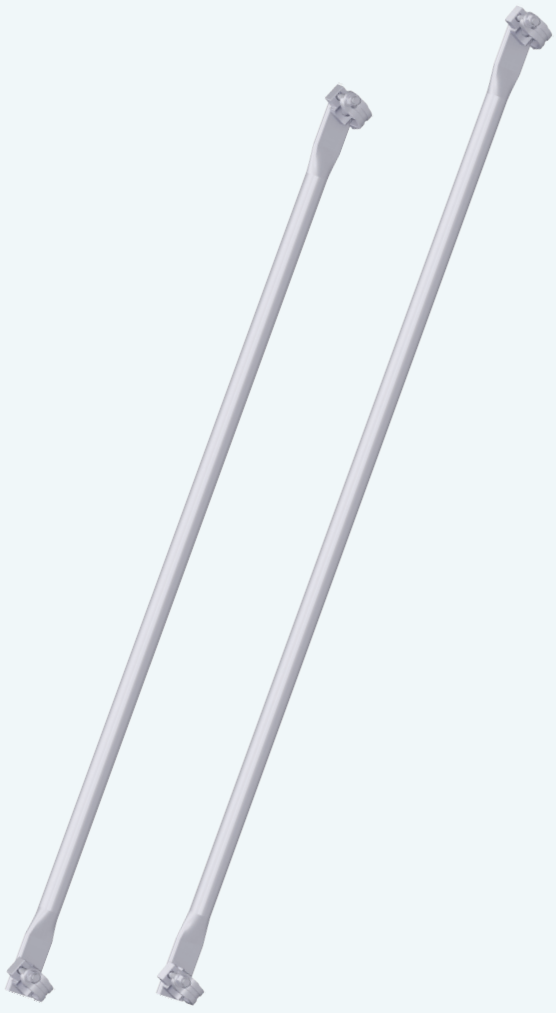


01

APPLICATION EXAMPLE
2a DIAGONAL CROSS BRACE 1.77 m with extension bracket 0.50 m (see pages 38/39)

APPLICATION EXAMPLE
2b DIAGONAL CROSS BRACE 1.95 m

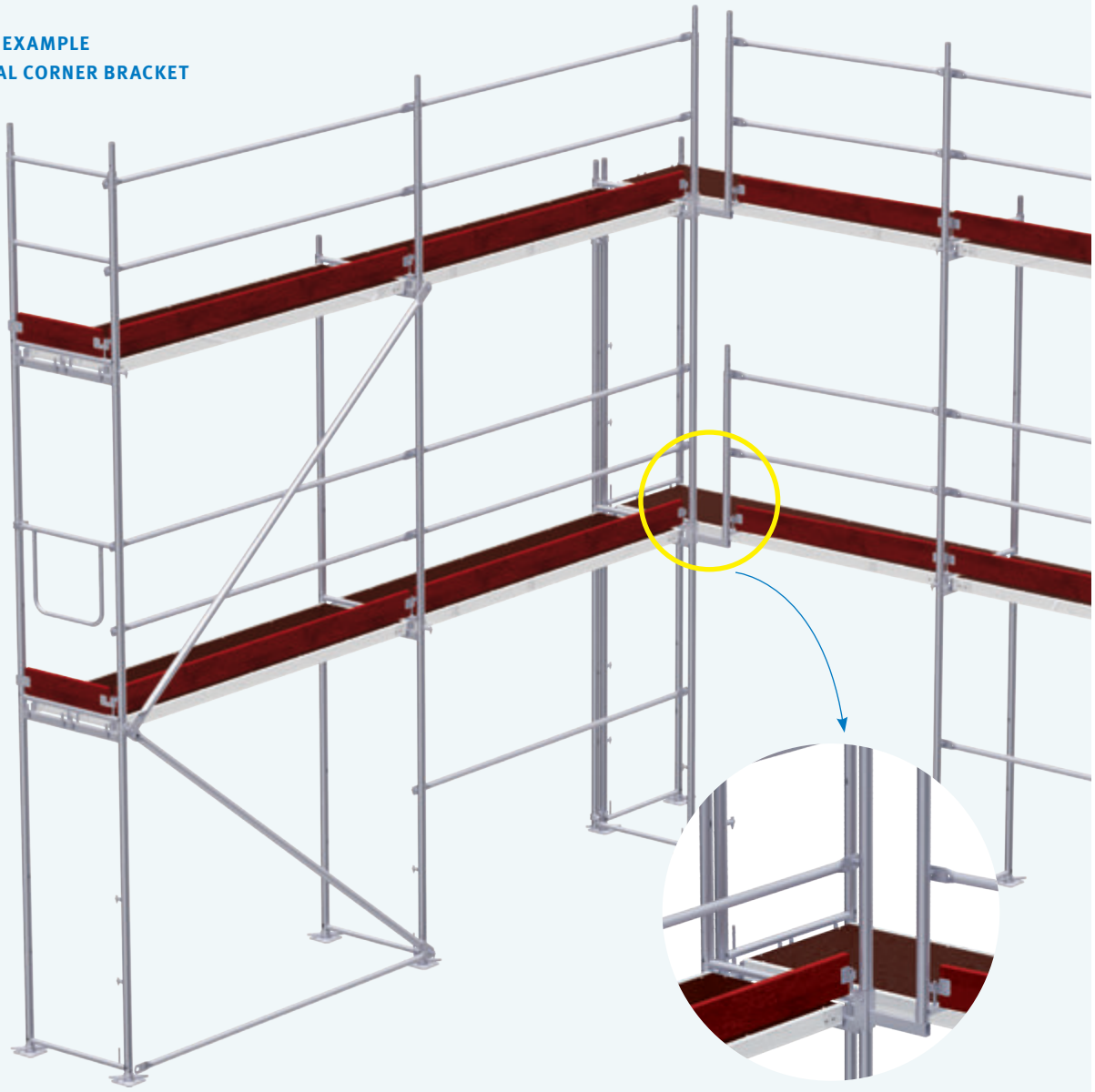




2a 2b

FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Internal corner bracket** ⊕ steel; hot-dip galvanised — with linchpin (special design) — 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		0.25	1.9	20 49 025
02	**Diagonal cross brace** ⊕ steel tube ø 42.4 mm; hot-dip galvanised — to support the bracket when used as brick guard applications or — in case it is structurally required, e.g. for bracing the assembly frames in transversal direction	2a for bracket 0.64/ 0.74 m	1.77	4.8	11 28 719
		2b for bracket 0.96 / 1.10 m	1.95	5.2	11 28 119

APPLICATION EXAMPLE
01 INTERNAL CORNER BRACKET



LATTICE GIRDERS

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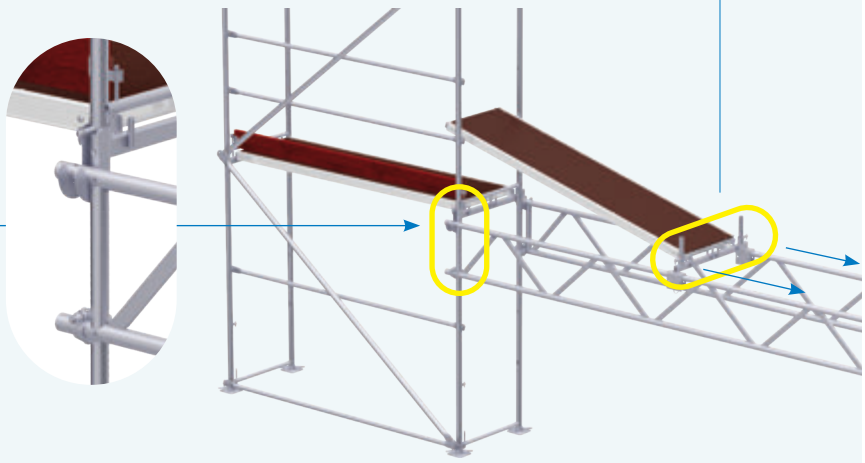
APPLICATION EXAMPLE
04 SUSPENSION for **02 LATTICE GIRDER**



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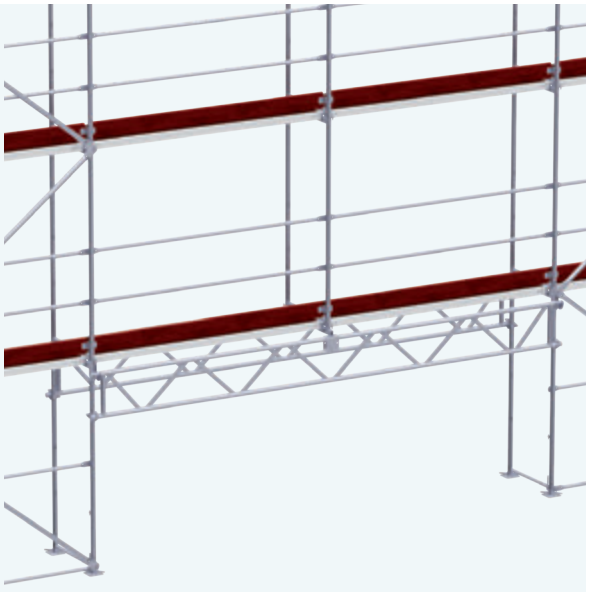
APPLICATION EXAMPLE
02 LATTICE GIRDER



APPLICATION EXAMPLE
07 WALL CONNECTOR PLATE for
02 LATTICE GIRDER

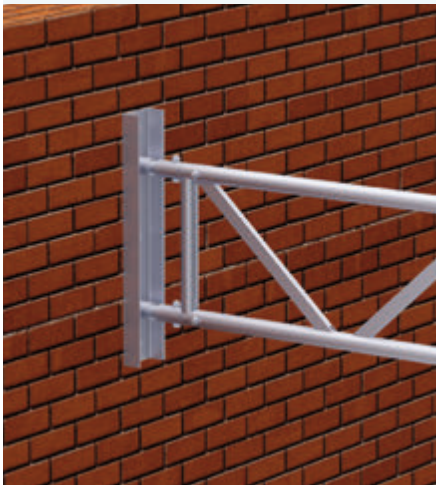


FIG.	DESCRIPTION		DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Bridging girder, steel** steel tube ø 48.3 mm; hot-dip galvanised — with 4 welded-on halfcouplers and a welded tube connector for accommodating the assembly frames for further construction in the scaffolding standard dimension		5.00 × 0.45	48.2	23 77 500
			6.00 × 0.45	56.8	23 77 600
			7.50 × 0.45	76.5	23 77 750
02	**Lattice girder** ⊕ — for use in façade scaffolding for construction-related bridging purposes (e.g. passages) — The load-bearing capacity depends on the material and bridging length. For loading tables, please refer to the respective approval or the Instructions for Assembly and Use.	2a steel steel tube ø 48.3 mm; hot-dip galvanised	3.10 × 0.45	30.9	23 75 310
			4.10 × 0.45	40.1	23 75 410
			5.10 × 0.45	49.4	23 75 510
			6.10 × 0.45	58.6	23 75 610
			7.60 × 0.45	73.0	23 75 760
		2b aluminium aluminium tube ø 48.3 mm (not shown)	3.10 × 0.45	12.5	23 70 310
			4.10 × 0.45	16.3	23 70 410
			5.10 × 0.45	19.9	23 70 510
			6.10 × 0.45	23.6	23 70 610
			8.10 × 0.45	30.9	23 70 800
03	**Lattice girder cross brace** ⊕ steel; hot-dip galvanised — incl. two linchpins — for further construction on lattice girders — for use with bridging constructions in the façade scaffolding — suitable for use with lattice girders instead of screwed-on half-frames		0.74	8.4	23 91 073
			1.10	13.1	23 91 109
04	**Lattice girder suspension** ⊕ steel; hot-dip galvanised — for fitting lattice girders to the assembly frames for standard bridging functions			1.0	23 90 000
05	**Tube connector for lattice girder** steel; hot-dip galvanised; with four screws M 14 × 60 mm		0.41	1.5	13 88 030
06	**Attachment piece for lattice girder** steel; hot-dip galvanised; with borehole for locking clip		0.30	2.5	13 75 000
07	**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 to the building, 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
08	**Support tube** steel; hot-dip galvanised — must be screwed onto to the lattice girder — for accommodating system decks in order to construct areal scaffoldings	2-deck	0.65	4.6	23 93 065
		3-deck	1.00	5.7	23 93 100
		4-deck	1.30	7.9	23 93 130
		5-deck	1.60	9.4	23 93 160
		6-deck	1.95	10.9	23 93 195
		8-deck	2.55	12.5	23 93 255

COUPLERS


01


02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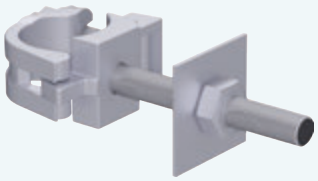
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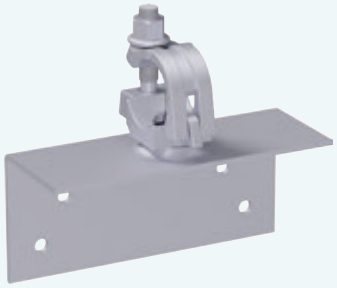
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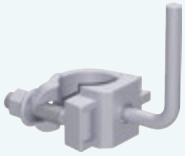
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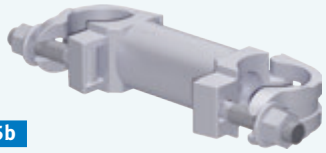
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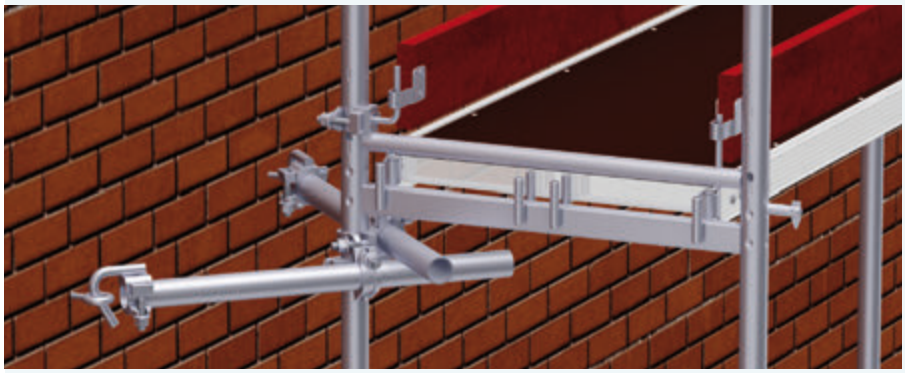
APPLICATION EXAMPLE
11 **HALFCOUPLER WITH HOOKS AS V-ANCHOR,**
09 **HALFCOUPLER WITH TOEBOARD BOLT**



APPLICATION EXAMPLE
05 **CLAW COUPLER,** always fitted in pairs

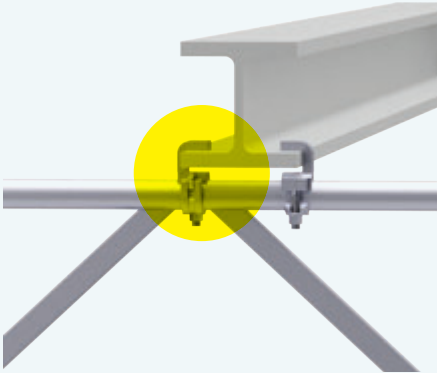
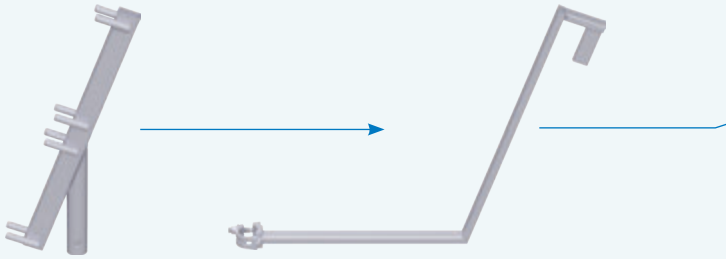


FIG.	DESCRIPTION			DIMENSIONS ø / ø [mm]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Standard coupler** with collar nuts; for tubes ø 48.3 mm		WS 22	48 / 48	1.0	13 01 022
02	**Swivel coupler** with collar nuts; for tubes ø 48.3 mm		WS 22	48 / 48	1.0	13 03 022
03	**Halfcoupler**		WS 22	48 / –	0.6	13 02 022
04	**Combination coupler** threaded bolt M16 × 120 mm, incl. coupling plate 60 × 60 and nut M16 DIN 934		WS 22	48 / –	0.5	13 04 022
05	**Claw coupler** ⊕ effective width 35 mm		WS 22	48 / –	0.9	13 10 022
06	**Universal tube connector, clampable; 0.24 m** consists of 2 half-shells and a screw – for connecting tubes subject to impact stress – expanded by the screw				1.7	13 08 001
07	**Tube connector** for tension coupler				1.0	13 08 000
08	**Tension coupler** with collar nuts; for tubes ø 48.3 mm		WS 22	48 / 48	1.4	13 07 022
09	**Halfcoupler with toeboard bolt** ⊕		WS 22	48 / –	0.6	13 13 022
10	**Squared timber coupler**		WS 22	48 / –	1.8	33 81 022
11	**Halfcoupler with hook** ⊕		WS 22	48 / –	0.9	13 06 022
12	**UNIFIX anchor coupler**		WS 22	48 / –	0.9	13 06 222
13	**Putlog coupler**		WS 22	48 / –	0.6	13 05 022
14	**Standard reduction coupler**		WS 22	48 / 34	1.0	13 11 022
15	**Distance coupler**	15a 113 mm	WS 22	48 / 48	1.5	13 20 022
		15b 160 mm	WS 22	48 / 48	1.6	13 20 122
16	**Clamp coupler, universal design** ⊕ steel; hot-dip galvanised; WS 19			0.20	1.1	13 17 019
17	**Hexagon bolt** steel; galvanised; M 14 × 65 (not shown) – to be used as fastening bolt with cap nut				0.1	14 53 000
18	**Hexagon dimed cap nut** steel; galvanised; M14 (not shown)				0.04	73 02 003
19	**T-bolt** M 14 × 78mm (not shown)					14 51 000
20	**Collar nut** M 14 (not shown)		WS 22		0.04	14 52 000

UNIFIX couplers for tubes ø 48.3 mm. The couplers are approved by the respective manufacturer and in accordance with DIN EN 74-1.

FAÇADE SCAFFOLDING ACCESSORIES

APPLICATION EXAMPLE
01 **TEMPORARY ROOF BRACKET** and
02 **LIFT-OFF PREVENTER FOR TEMPORARY ROOF BRACKET**



01 **02**

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APPLICATION EXAMPLE
06 **GROUND PEG**

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APPLICATION EXAMPLE
Linchpin to provide secure locking at various extension lengths

APPLICATION EXAMPLE
03 **TELESCOPIC SCAFFOLD STABILISER**

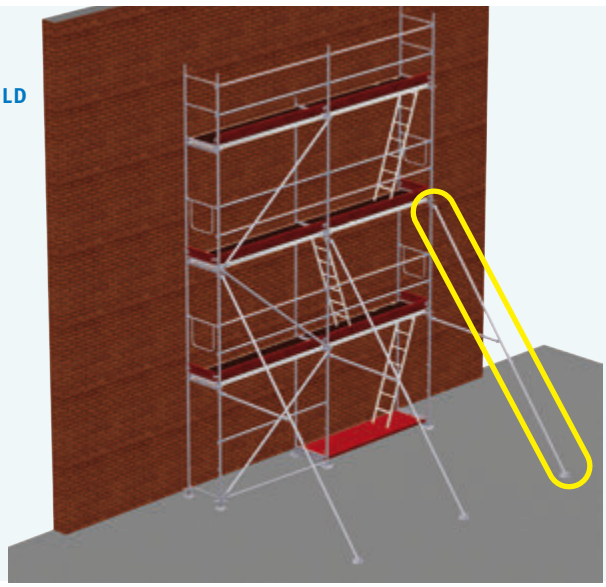
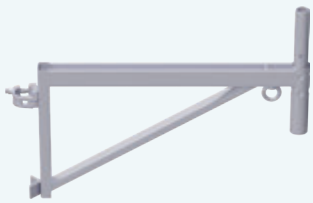


FIG.	DESCRIPTION	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Temporary roof bracket** ⊕ steel; hot-dip galvanised — for use in conjunction with bracket and diagonal cross brace — for installation at any height — by vertically installing system decks a protective wall can be created Please also refer to the Instructions for Assembly and Use of the UNIFIX façade scaffolding.	0.60 × 0.30	4.0	20 71 000
02	**Lift-off preventer for temporary roof bracket** steel; hot-dip galvanised	0.66 × 0.89	3.1	20 71 002
03	**Telescopic scaffold stabiliser** ⊕ Stahl; hot-dip galvanised — transport length 3.20 m, extension length 3.00 m - 5.00 m / support of free standing scaffolds up to 6.20 m standing height — also ensures safe connection to the scaffolding due to bracing effect / base plate pegged into the ground (with two ground pegs) — linchpin to provide secure locking of the diagonal brace at various extension lengths		28.0	13 63 500
04	**Scaffold tube, steel** ø 48.3 × 3.25 mm; up to 6 m; 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
05	**Scaffold tube, aluminium** ø 48.3 × 4.05 mm; up to 6 m	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
06	**Ground peg** ⊕ steel ø 25 mm; non-galvanised	0.48	2.0	61 00 000

FAÇADE SCAFFOLDING ACCESSORIES



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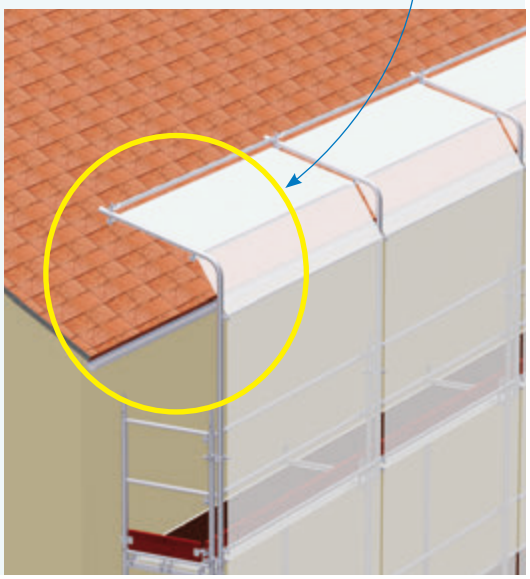
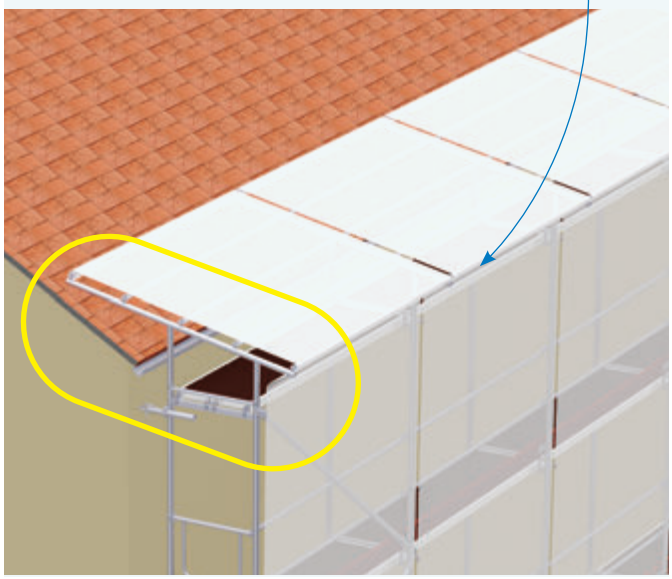
APPLICATION EXAMPLE

04 WEATHER PROTECTION SUPPORT



APPLICATION EXAMPLE

05 WEATHER PROTECTION ADD-ON UNIT



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 do 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.

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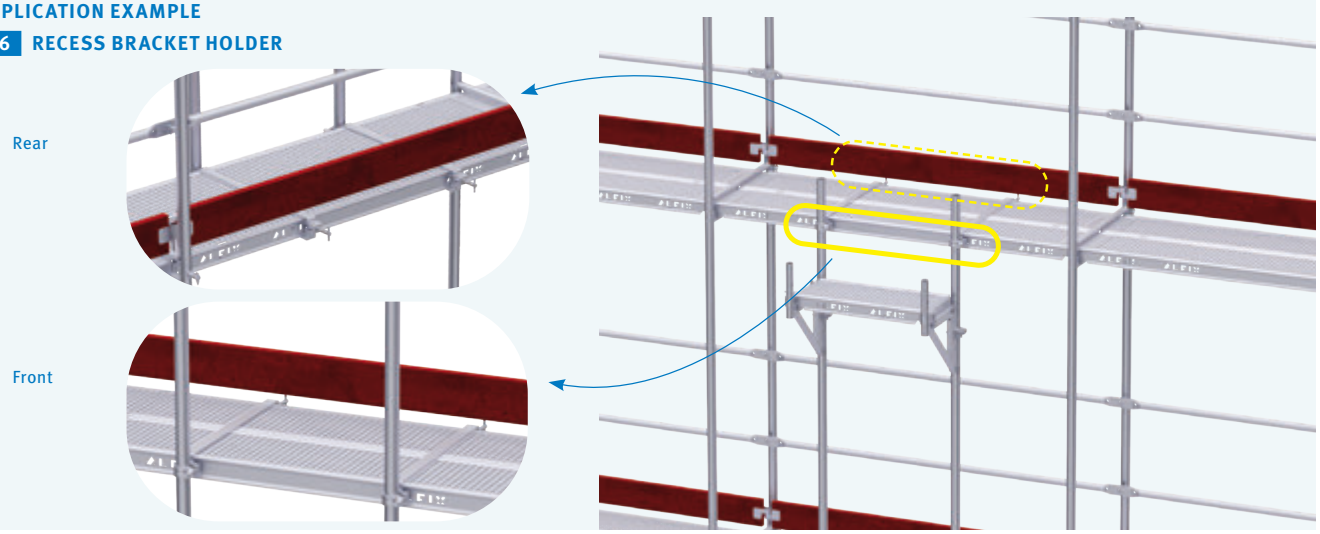
FIG.	DESCRIPTION	DIMENSIONS L/H×W [m]	WEIGHT approx. [kg]	ARTICLE NO.
01	**Bracket for pulley** steel; galvanised with halfcoupler and welded-on fixture for pulleys	0.74	6.7	10 49 073
02	**Pulley** steel; galvanised – with cross-bar and rotatable load hook with hook protection or with carabiner / suitable for ropes up to ø 28 mm – ermissible tensile load 200 kg; pulley diameter 190 mm	ø 190 mm	2.3	37 83 000
03	**Recess bracket starting piece** steel; hot-dip galvanised	0.35	1.7	14 40 000
04	**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	13.0	20 71 200
05	**Weather protection add-on unit** ⊕ steel; hot-dip galvanised – to be fitted onto assembly frames of system width 0.74 m / fastening of the scaffolding protection tarpaulins by means of cable ties – weather protection add-on units can be connected to each other using guardrails – roof element for accommodating scaffolding protection tarpaulins (see Accessories Catalogue)	2.00	14.9	20 71 201
06	**Recess bracket holder** ⊕ steel; hot-dip galvanised – with integrated halfcoupler; for all scaffolding systems up to bay widths 0.65 m and 1.00 m	0.70 1.00	2.3 2.9	14 51 060 14 51 100
07	**Locking pin** steel; hot-dip galvanised		0.13	14 50 000
08	**Linchpin** steel; galvanised	8 × 60	0.15	30 06 250

APPLICATION EXAMPLE

06 RECESS BRACKET HOLDER



SCAFFOLDING EXAMPLES

UNIFIX façade scaffolding 0.74 m / scaffolding bay length 3.00 m

3.00 m	SCAFFOLD LENGTH X WORKING HEIGHT (m)		12.00 × 8.20	12.00 × 10.20	15.00 × 10.20	30.00 × 10.20	51.00 × 10.20	99.00 × 10.20
	WORK AREA (m²)		**98**	**122**	**153**	**306**	**520**	**1010**
BASIC COMPONENTS	Assembly frame 2.00 × 0.74 m	20 10 200L	15	20	24	44	72	136
	Wooden deck 3.00 × 0.32 m	22 31 300	24	32	40	80	136	264
	Diagonal brace 3.60 m	21 01 361	3	4	8	12	20	32
	Guardrail 3.00 m	20 60 300	28	36	45	90	153	297
	Toeboard 3.00 m, wood	22 50 300	12	16	20	40	68	132
	End toeboard 0.74 m, wood	22 51 070	6	8	8	8	8	8
	Double end guardrail 0.74 m	20 62 070	4	6	6	6	6	6
	Guardrail post 0.74 m	20 64 070L	3	3	4	9	16	32
	End guardrail frame 0.74 m	20 67 070L	2	2	2	2	2	2
	Lower diagonal brace fixture	21 28 000	1	1	2	3	5	8
	Base jack 0.40 m	11 51 040	10	10	12	22	36	68
	WEIGHT (kg)		**1,212.2**	**1,587.2**	**1,985.5**	**3,795.0**	**6,355.6**	**12,187.0**
ANCHORING	Distance tube 0.40 m	13 61 040	5	7	8	13	20	36
	Standard coupler	13 01 022	5	7	8	13	20	36
	Expansion plug 70 mm	37 00 000	5	7	8	13	20	36
	Ring screw 12 × 120 mm	37 02 120	5	7	8	13	20	36
	Cap	37 01 001	5	7	8	13	20	36
	WEIGHT (kg)		**16.0**	**22.4**	**25.6**	**41.6**	**64.0**	**115.2**
SCAFFOLD ACCESS	Access deck with ladder (film-coated plywood decking) 3.00 × 0.64 m	22 04 300	3	4	4	4	4	4
	WEIGHT REDUCTION (kg)		**61.2**	**81.6**	**81.6**	**81.6**	**81.6**	**81.6**
ALTERNATIVE SCAFFOLDING DECKS	Aluminium frame platform 3.00 × 0.64 m	22 02 300	12	16	20	40	68	132
	WEIGHT REDUCTION (kg)		**301.2**	**401.6**	**502.0**	**1,004.0**	**1,706.8**	**3,313.2**
	Steel deck 3.00 × 0.32 m	22 21 300	24	32	40	80	136	264
	WEIGHT REDUCTION (kg)		**60.0**	**80.0**	**100.0**	**200.0**	**340.0**	**660.0**
ASSEMBLY FRAME, ALUMINIUM	Assembly frame, aluminium 2.00 × 0.74 m	20 00 200	15	20	24	44	72	136
	WEIGHT REDUCTION (kg)		**139.5**	**186.0**	**223.2**	**409.2**	**669.6**	**1,264.8**

UNIFIX façade scaffolding 0.74 m / scaffolding bay length 2.50 m

2.50 m	SCAFFOLD LENGTH X WORKING HEIGHT (m)		12.50 × 8.20	12.50 × 10.20	15.00 × 10.20	30.00 × 10.20	50.00 × 10.20	100.00 × 10.20
	WORK AREA (m²)		**103**	**128**	**153**	**306**	**510**	**1020**
BASIC COMPONENTS	Assembly frame 2.00 × 0.74 m	20 10 200L	18	24	28	52	84	164
	Wooden deck 2.50 × 0.32 m	22 31 250	30	40	48	96	160	320
	Diagonal brace 3.20 m	21 01 320	6	8	8	12	20	40
	Guardrail 2.50 m	20 60 250	35	45	54	108	180	360
	Toeboard 2.50 m, wood	22 50 250	15	20	24	48	80	160
	End toeboard 0.74 m, wood	22 51 070	6	8	8	8	8	8
	Double end guardrail 0.74 m	20 62 070	4	6	6	6	6	6
	Guardrail post 0.74 m	20 64 070L	4	4	5	11	19	39
	End guardrail frame 0.74 m	20 67 070L	2	2	2	2	2	2
	Lower diagonal brace fixture	21 28 000	2	2	2	3	5	10
	Base jack 0.40 m	11 51 040	12	12	14	26	42	82
	WEIGHT (kg)		**1,318.7**	**1,726.4**	**2,029.3**	**3,887.4**	**6,392.0**	**11,887.5**
ANCHORING	Distance tube 0.40 m	13 61 040	6	8	9	13	23	43
	Standard coupler	13 01 022	6	8	9	13	23	43
	Expansion plug 70 mm	37 00 000	6	8	9	13	23	43
	Ring screw 12 × 120 mm	37 02 120	6	8	9	13	23	43
	Cap	37 01 001	6	8	9	13	23	43
	WEIGHT (kg)		**19.2**	**25.6**	**28.8**	**41.6**	**73.6**	**137.6**
SCAFFOLD ACCESS	Access deck with ladder (film-coated plywood decking) 2.50 × 0.64 m	22 04 250	3	4	4	4	4	4
	WEIGHT REDUCTION (kg)		**48.6**	**65.2**	**65.2**	**65.2**	**65.2**	**65.2**
ALTERNATIVE SCAFFOLDING DECKS	Aluminium frame platform 2.50 × 0.64 m	22 02 250	15	20	24	48	80	160
	WEIGHT REDUCTION (kg)		**313.5**	**418.0**	**501.6**	**1,003.2**	**1,672.0**	**3,344.0**
	Steel deck 2.50 × 0.32 m	22 21 250	30	40	48	96	160	320
	WEIGHT REDUCTION (kg)		**45.0**	**60.0**	**72.0**	**144.0**	**240.0**	**480.0**
ASSEMBLY FRAME, ALUMINIUM	Assembly frame, aluminium 2.00 × 0.74 m	20 00 200	18	24	28	52	84	164
	WEIGHT REDUCTION (kg)		**167.4**	**223.2**	**260.4**	**483.6**	**781.2**	**1,525.2**

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	≤ 2.00	permissible	6	
	2.50	permissible	5	
	3.00	permissible	4	
	4.00	permissible	3	
Wooden deck 0.32 m	≤ 1.50	permissible	6	
	2.00	permissible	5	
	2.50	permissible	4	
	3.00	permissible	3	
Solid aluminium deck 0.32 m	≤ 2.00	permissible	6	
	2.50	permissible	5	
	3.00	permissible	4	
	4.00	–	3	
Lightweight deck 0.64 m	1.50	permissible	4	
	2.00	permissible	4	
	2.50	permissible	4	
	3.00	permissible	3	
Frame platform 0.64 m film-coated plywood decking	≤ 3.00	permissible	3	
Access deck with ladder 0.64 m film-coated plywood decking	≤ 3.00	permissible	3	
Access deck with ladder 0.64 m chequer plate decking	2.50	permissible	3	
	3.00	permissible	3	
Access deck without ladder 0.64 m film-coated plywood decking	≤ 3.00	permissible	3	

Cross-sectional values of base jacks

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

BASE JACK

$A = A_S$	=	4.26 cm²
I	=	4.58 cm⁴
W_{el}	=	3.00 cm³
W_{pl}	=	1.25 × 3.00 = 3.75 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	$h_3 \geq 1.90$ m	$h_{1a} \geq 1.90$ m $h_{1b} \geq 1.90$ m	$h_2 \geq 1.75$ m

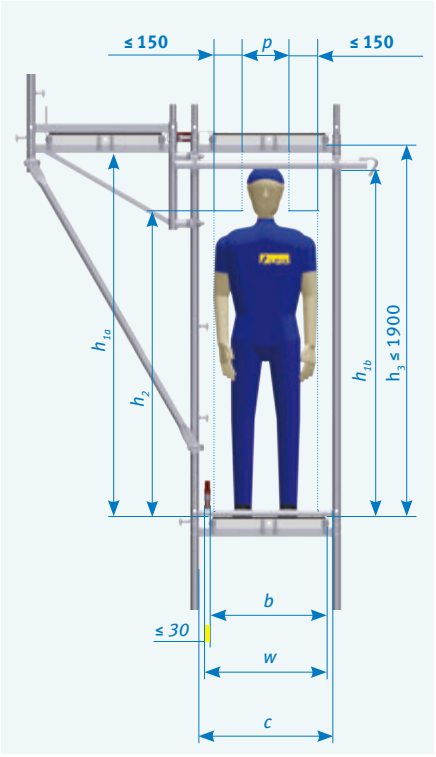
Width classes

WORKING AREAS

WIDTH CLASS	w in m
W06	0.6 ≤ 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}	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



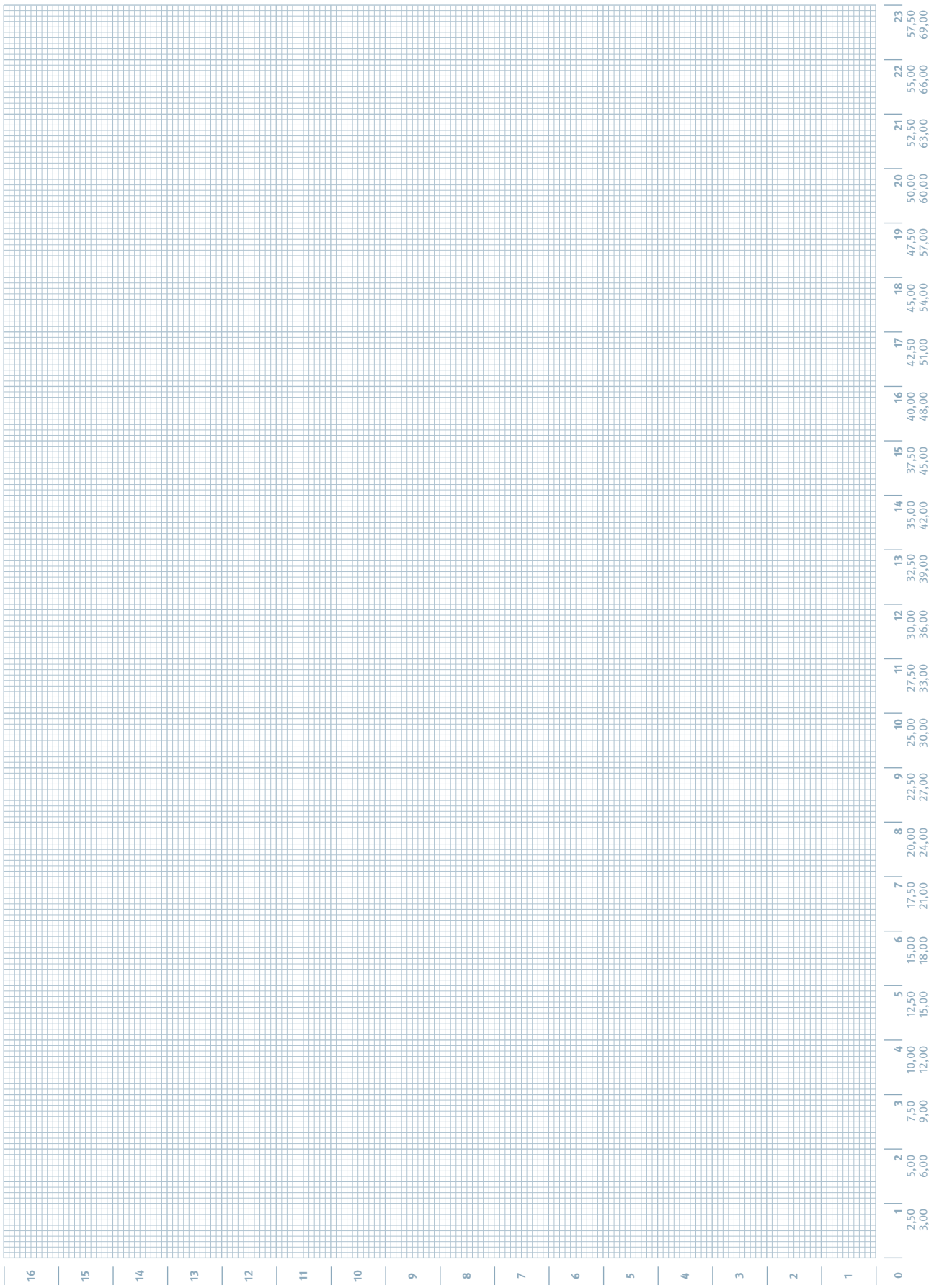
Designation of scaffolds according to the standard EN 12810-1

Example: Scaffold EN 12810 – 3 D – SW06/250 – H1 – B – LA

Scaffold EN 12810	Frame scaffold (system scaffold) in accordance with 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)
SW06/250	System width class (see Table 1 DIN EN 12811-1) here: between 0.60 m and 0.90 m / bay length 2.50 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


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
18 45,00 54,00
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

www.alfix-systems.com

ALFIX GmbH
Langhennersdorfer Straße 15
D-09603 Großschirma

Phone +49 (0) 37328 / 800-100
Fax +49 (0) 37328 / 800-199
eMail: info@alfix-systems.com

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Edition: October 2023