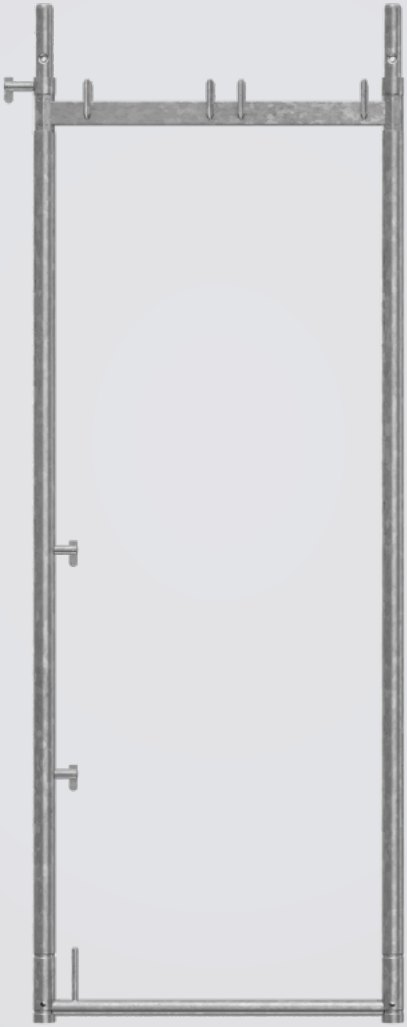
PRODUCT BROCHURE

10.2022/PIN74

telka scaffolding formwork fence



Frame scaffolds tFRAME | PIN74

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20 years

on the market already!

About the Company

telka SA is a Polish family-owned business, founded in 1999 by members of the Telka family, now sitting on the management board of the Company. We manufacture, sell, rent and install/erect formwork, hoarding and scaffolds.

At the outset, we were gathering experience and momentum on the local market, then growing to become a company with international operations. Our offering includes all popular scaffold and formwork systems and Telka-branded accessories.

Why us?

- comprehensive commercial offering, broad range of products, installation service; consultancy;
- we have one of Poland's largest depots with scaffolds and formwork, so our products are ready to be shipped immediately;
- we offer cutting-edge of the industry, continuously improving our products and employing state-of-the-art engineering solutions;
- competitive prices;
- specialised vehicle fleet ready to deliver the products to the client's construction site.

How to buy scaffolds?

A properly erected and safe scaffold should have a stable structure, decking, guardrails - fall protection for equipment and people, circulation routes, anchors or protective nets.

Below is a handful of tips helping to focus on essential parameters when purchasing scaffolds, so that the purchased structure is safe and made of properly fabricated components.

Foundation

Scaffold foundation is primarily provided by screw jacks and two questions need to asked here:

- what is the maximum loosening distance of the screw jack stated in the manufacturer's instructions - the value is typically from 100 to 300 mm, rather than, as often specified, the maximum loosening distance of the nut (e.g. with screw jacks L=800 mm it is assumed that the scaffold can be lifted by 600 mm). Maximum loosening values usually require a custom scaffold design;

- what is the length of screw jack sinking (if any) - the length of that part of the screw jack that remains in the scaffold frame. 150 mm is the absolute minimum - the nut must be firmly secured at that height against potential loosening.

Protection

From the standpoint of the scaffold user, protections should be checked in the first place, such as whether the scaffold has two single rails (or one double rail) at each point and a toeboard, and whether the scaffold has complete lateral protection in the end bay. If the deck is set off by more than 0.2 m away from the wall, the protections should also be present on the wall-facing side of the scaffold.

Anchoring

To select the right number of anchor points, it is important to know, whether the scaffold in question can accommodate additional components (such as brackets, walk-through frames, rain guards), but primarily such protective items as protective net or tarpaulin. If nets or tarpaulin is used, many more anchoring points will be needed than for standard sets without additional protection. Unfortunately, there are often too few anchoring points, which may even lead to building disasters.

Platforms

Our offering includes decks made of various materials, such as steel, wood or aluminium. When buying a system scaffold, it is important to verify whether decking is provided in each bay of the scaffold (unless the manufacturer indicates otherwise). In frame scaffolds, decking should be present in each bay, because it also performs the function of horizontal bracing (if it is protected against inadvertent displacement).

Circulation

Each scaffold should have a designated safe circulation shaft, typically organised as circulation decks with ladders, which are however increasingly more often replaced by stairs. The latter option considerably improves the comfort of vertical transport on the scaffold.

Length and height of the scaffold, surface area

When purchasing a scaffold system, it is important to specify its height, because in addition to standard scaffold height (from the ground to the highest working deck), the working height is often specified, which is higher by 2.0 m, because this is the height up to which work can be performed on the last working deck. It is therefore important to know which parameter we want to have specified.

Another common misunderstanding is that, in many market offers, we have scaffold sets whose height is a multiple of 2m, but often increased by 0.5 - 0.7 m, whereas the manual allows unscrewing of the screw jack by 0.3 m as a maximum in standard sets. This affects the final figure (i.e. the number of square meters and price quoted per square meter). In effect, we often see very long, but also small standard sets. This will translate into a smaller number of components such as circulation decks, bracing or anchoring points, which will have to be purchased extra with another configuration of our set.

Complete assembly

A very important factor in comparing competitive proposals is a detailed listing of scaffold components having a set length and height. It should be verified whether the scaffold has a separate circulation shaft, guardrails (top rails and toeboards), how many braces and anchor points there are, and whether there is decking are in each scaffold bay. Very often you will see claims that decking constitutes an additional scaffold component, which is not true. The most commonly found differences are in the number of braces and anchor points, and so components that have a serious bearing on the scaffold's stability.

Manufacturer's documentation

The erection, operation and dismantling of the scaffolds should be performed according to the manufacturer's instructions or a custom design.

The scaffold manufacturer or distributor should supply to the customer the relevant documentation, also referred to as the product manual or the operating and maintenance manual (OMM).

Our products comply with the latest safety standards, as confirmed by certificates awarded to us:
- compliance of the Site Production Control as per **EN 1090-2**,
- compliance with quality requirements for welding as per **PN-EN ISO 3834-2**,
- Welding Procedure Qualification Record (WPQR) as per **EN ISO 15613** and **EN ISO 15614-1**.

„We offer products rooted in practical experience and designed to offer tangible benefits: safety, comfort in use and profitability.

Joanna Telka-Dudkowska
Commercial Director

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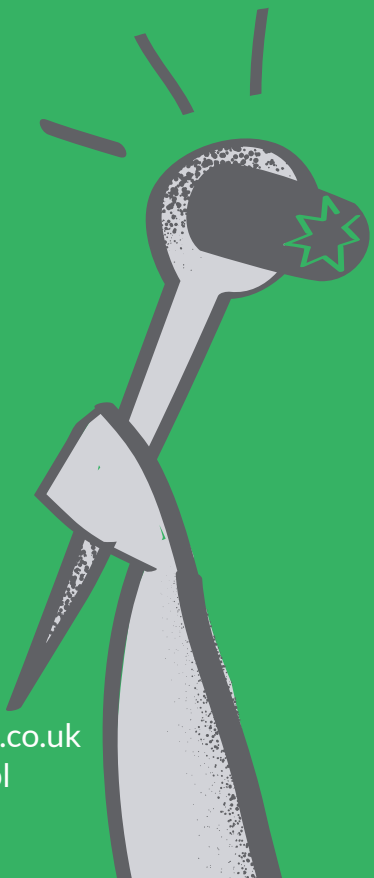

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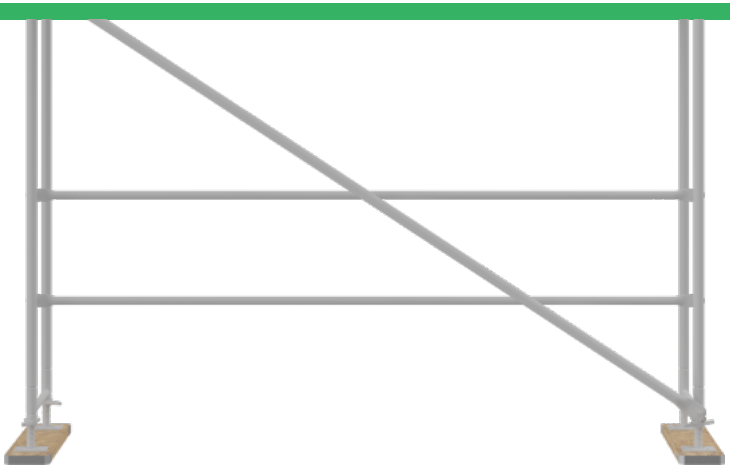
Scaffold foundation

Scaffolds should be erected on stable and levelled ground, whose fall allows stormwater run-off. **Timber sole plates** and **screw jacks** are used as ground supports for the scaffold.

WITH FITTING

WITHOUT FITTING

Timber plates distribute loads from the scaffold structure over a larger area, which reduces stresses.



TECHNICAL PARAMETERS

MODEL	WITH FITTING	WITHOUT FITTING
LENGTH	1100 mm	1100 mm
WIDTH	200 mm	250 mm
THICKNESS	40 mm	50 mm
WEIGHT	3,9 kg	5,2 kg
PRODUCT CODE	T0001.110	T0000.110

The base plate comprises:

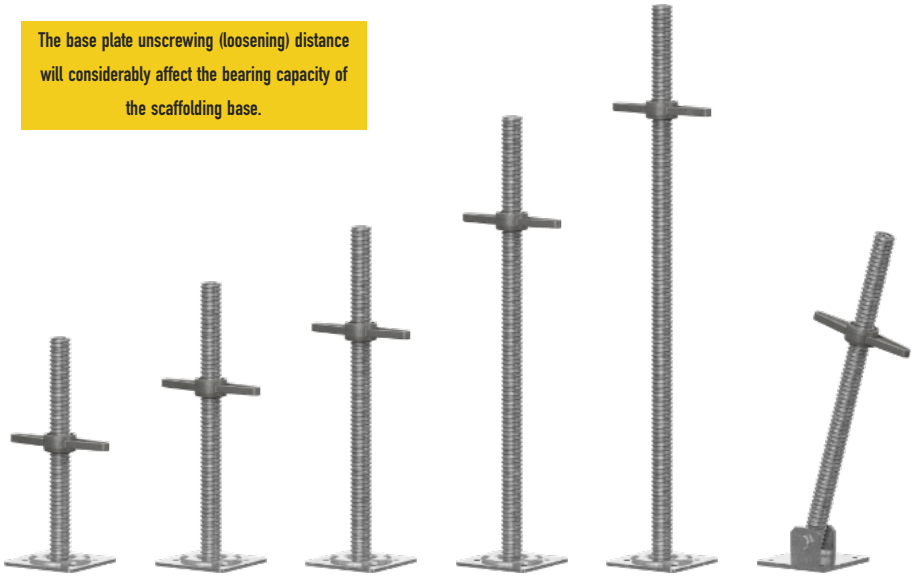
1) sole plate, which distributes the load from standard over a greater area and enables placement on the ground or mounting of a wheel set;

2) threaded hollow core;

3) flanged nut - to set the scaffolding at the required height;

4) flanged nut stopper - protection component preventing the nut from fully unscrewing.

The base plate unscrewing (loosening) distance will considerably affect the bearing capacity of the scaffolding base.



TECHNICAL PARAMETERS

MODEL	40	50	60	80	100	60 P *
HEIGHT	400 mm	500 mm	600 mm	800 mm	1000 mm	600 mm
MAX. ADJUSTMENT RANGE	250 mm	350 mm	450 mm	600 mm	750 mm	450 mm
BASE DIMENSIONS	150x150 mm	150x150 mm	150x150 mm	150x150 mm	150x150 mm	150x150 mm
WEIGHT (STANDARD)	2,8 kg	3,1 kg	3,5 kg	4,1 kg	4,8 kg	4,4 kg
GALVANISING (STANDARD)	hot dip	hot dip	hot dip	hot dip	hot dip	hot dip
PRODUCT CODE (STANDARD)	T0002.040	T0002.050	T0002.060	T0002.080	T0002.100	T0004.060
WEIGHT (ERGO)	2,7 kg	3,0 kg	3,3 kg	3,9 kg	4,5 kg	4,2 kg
GALVANISING (ERGO)	electroplate	electroplate	electroplate	electroplate	electroplate	electroplate
PRODUCT CODE (ERGO)	T0003.040	T0003.050	T0003.060	T0003.080	T0003.100	T0005.060

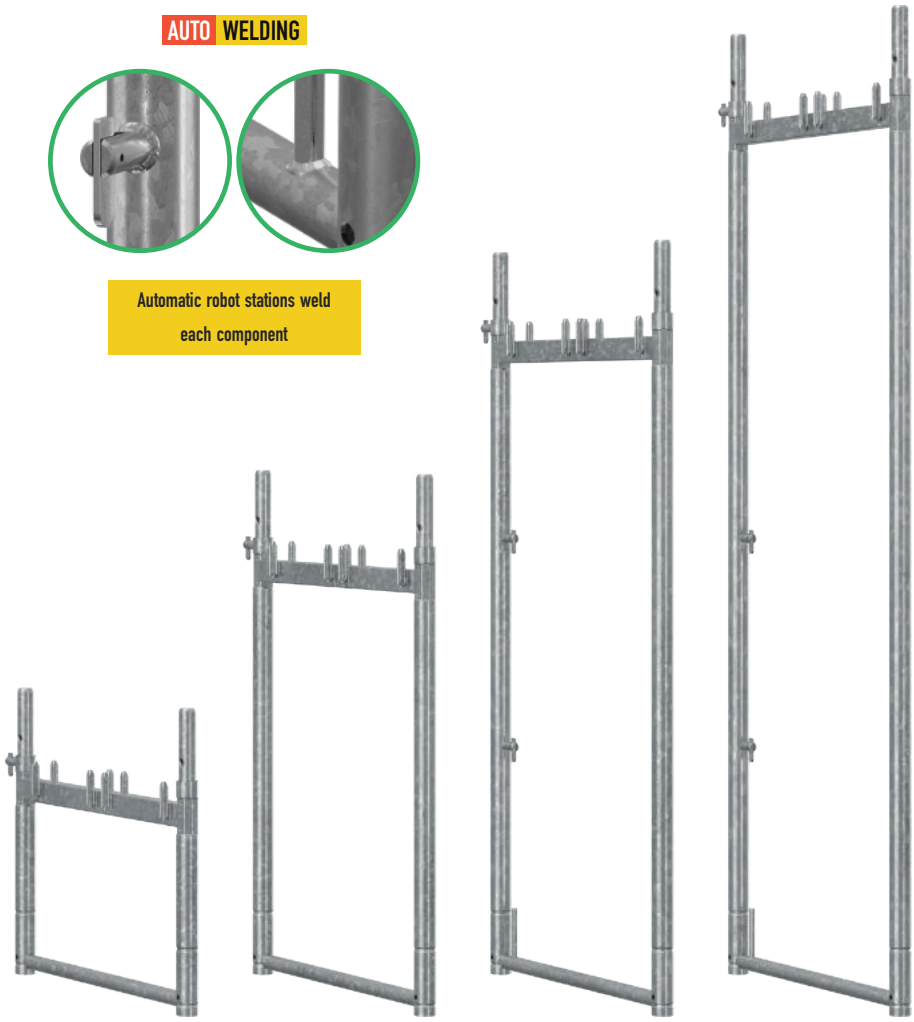
***P** – ARTICULATED

Steel frames

Frames constitute the primary load-bearing components after the scaffold is erected, and comprise two standards (uprights) connected by horizontal bars.

AUTO WELDING

Automatic robot stations weld each component



50 x 74

100 x 74

150 x 74

200 x 74

Steel frames of tFrame PIN74 com in the standard system width of 739 mm and four heights, where a 2.0 m high frame is the primary frame, and the other are mostly used at lower scaffold levels for levelling out in sloped terrain, to match the scaffold structure to the building envelope, and in scaffolds where girders are used, or in various non-standard setups.

Standards of the frame (uprights) are made of tubes with outer diameter of **48.3 mm**, **2.7 mm** in wall thickness, made of heavy duty **S235** (**R_e > 320 MPa**) structural steel. There are studs on the top ends, made of tubes with outer diameter of **38 mm**, used for the erection of the next level's frames vertically.

The bottom bar of the frame (with a pin for the installation of the toeboard in 150 and 200 frames) stiffens the structure and provides protection against accidental raising of the scaffold decking. The upper bar has 8 star pins for deck mounting. The structure of the frame ensures mounting of guardrails (except 50 and 100 frames) and diagonal braces.

For an ideal fit, cross-bars are cut by a laser.

TECHNICAL PARAMETERS

MODEL	50 x 74	100 x 74	150 x 74	200 x 74
SYSTEM HEIGHT	500 mm	1000 mm	1500 mm	2000 mm
SYSTEM WIDTH	739 mm	739 mm	739 mm	739 mm
DIMENSIONAL HEIGHT	660 mm	1160 mm	1660 mm	2160 mm
DIMENSIONAL WIDTH	850 mm	850 mm	850 mm	850 mm
WEIGHT	8,8 kg	11,8 kg	15,4 kg	18,4 kg
GALVANISING	hot dip	hot dip	hot dip	hot dip
PRODUCT CODE	T1100.050	T1100.100	T1100.150	T1100.200

Steel frames

Frames with **4 rail couplings** are used when guardrail installation is required (top rail and toe board) on the inside of the scaffolding when the working platform is set off by more than 20 cm from the facade, and when mobile scaffoldings are erected with frame scaffold components.

200 x 74 | 4P

The frame (uprights) are made of tubes with outer diameter of **48.3 mm**, **2.7 mm** in wall thickness, heavy duty **S 235** (**R_e > 320 MPa**) structural steel. There are studs on the top ends, made of tubes with outer diameter of **38 mm**, used for the erection of the next level's frames vertically.

The bottom bar of the frame (with a pin for the installation of the toeboard in 150 and 200 frames) stiffens the structure and provides protection against accidental raising of the scaffold deck. The upper bar has 8 star pins for deck mounting. The structure of the frame ensures mounting of guardrails (except 50 and 100 frames) and diagonal braces.

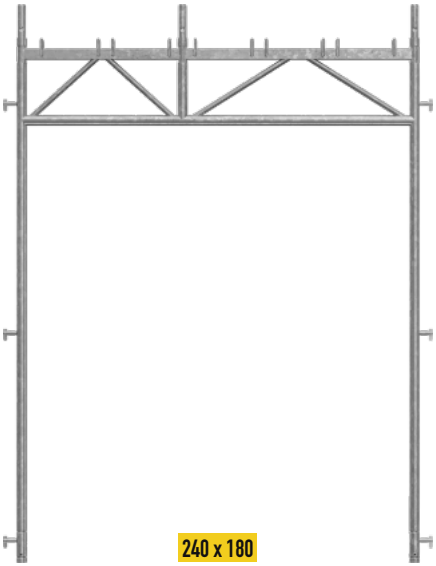
TECHNICAL PARAMETERS

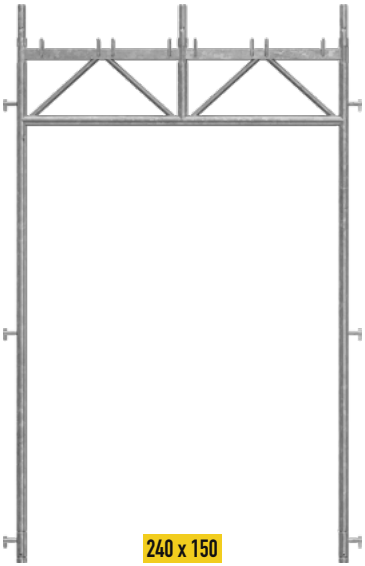
MODEL	200 x 74 | 4P
SYSTEM HEIGHT	2000 mm
SYSTEM WIDTH	739 mm
DIMENSIONAL HEIGHT	2160 mm
DIMENSIONAL WIDTH	850 mm
WEIGHT	18,8
GALVANISING	hot dip
PRODUCT CODE	T1101.200

Walk-through frames are used for the bottom scaffold level, where it is necessary to ensure foot traffic under the scaffold.

The walk-through frame (upright) is made of tubes with outer diameter of **48.3 mm**, **3.2 mm** in wall thickness, heavy duty **S235** (**R_e > 320 MPa**) structural steel. The structure of the walk-through frame is such that the next scaffolding level can be fastened to it, whose axial width is **739 mm** (for the **240 x 150** walk-through frames) or **739 mm** / **1065 mm** (for the **240 x 180** walk-through frame).

The top bar is reinforced with a grid structure and has star pins for deck mounting. The application of studs with latches ensures mounting of guardrails and diagonal braces.





TECHNICAL PARAMETERS

MODEL	240 x 180	240 x 150
SYSTEM HEIGHT	2400 mm	2400 mm
SYSTEM WIDTH	1804 mm	1478 mm
DIMENSIONAL HEIGHT	2560 mm	2560 mm
DIMENSIONAL WIDTH	1972 mm	1646 mm
WEIGHT	35,0 kg	32,0 kg
GALVANISING	hot dip	hot dip
PRODUCT CODE	T1102.180	T1102.150

Steel frames

The bypass frame is used where it is necessary to bypass a protruding roof or fascia.

BYPASS 200 x 74

Two frames are made of tubes with outer diameter of **48.3 mm**, **3.2 mm** in wall thickness, heavy duty **S 235** (**R_e > 320 MPa**) structural steel. This structural solutions enables erection of the next scaffold level. The frame has reduced clear passage width compared to the standard frame.

The top bar is reinforced with a grid structure and has star pins for deck mounting. The application of studs with latches ensures mounting of guardrails and diagonal braces.

The bottom bar with a pin is designed for toeboard mounting and both stiffens the structure and provides protection against accidental raising of scaffold decks.

The top bar has star pins for deck mounting. Additional rigidity to the bars is provided by angle braces.

The frame's structure enables the mounting of guardails and diagonal braces.

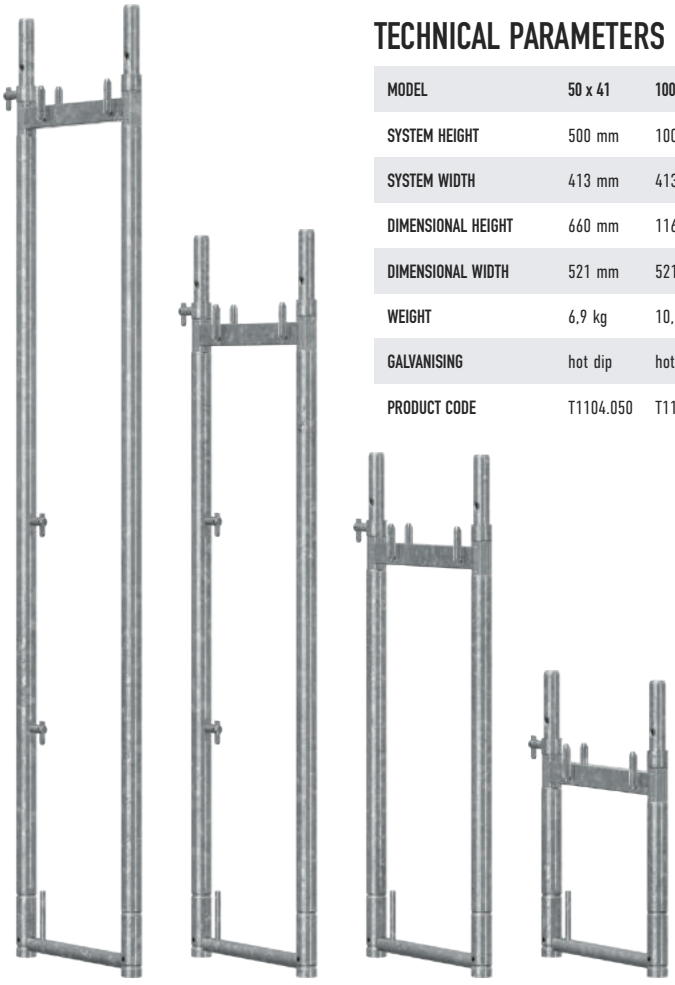
TECHNICAL PARAMETERS

MODEL	BYPASS 200 x 74
SYSTEM HEIGHT	2000 mm
SYSTEM WIDTH	739 mm
DIMENSIONAL HEIGHT	2160 mm
DIMENSIONAL WIDTH	850 mm
WEIGHT	23,0 kg
GALVANISING	hot dip
PRODUCT CODE	T1103.200

Steel frames with system width of **413 mm** come in four heights (just as 739 mm standard system frames). They are used if the scaffold needs to be erected in narrow alleys, e.g. between buildings or in industrial structures (boilers, etc.).

TECHNICAL PARAMETERS

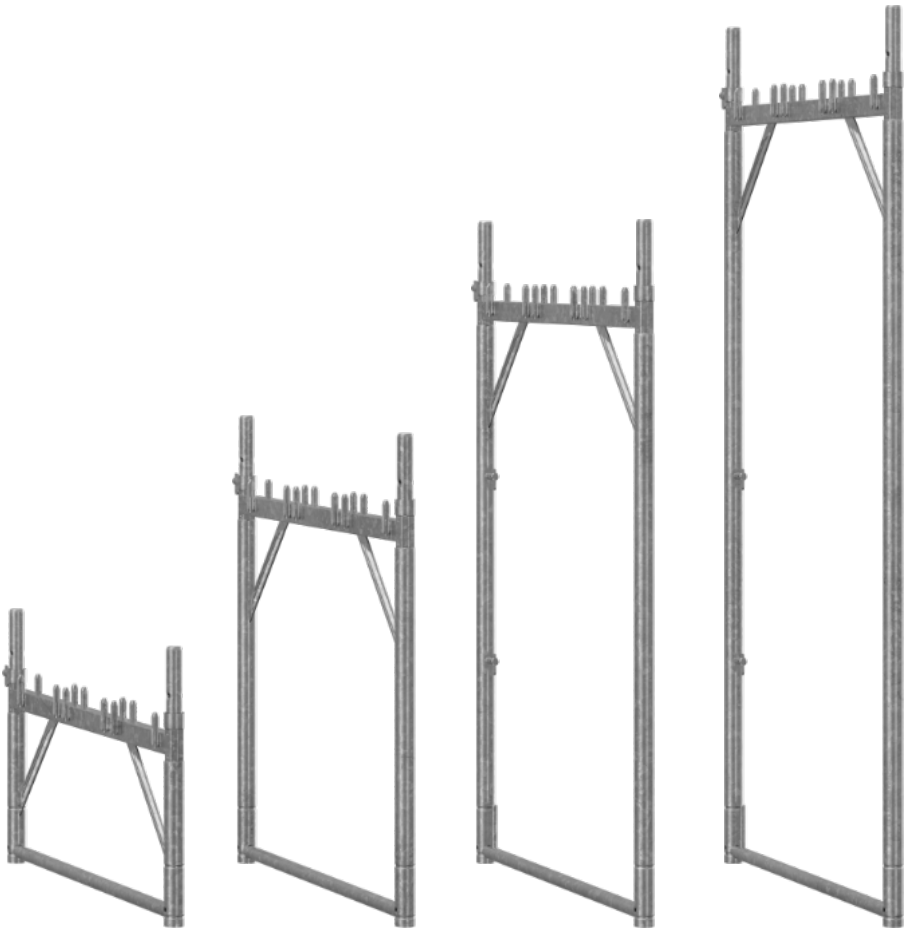
MODEL	50 x 41	100 x 41	150 x 41	200 x 41
SYSTEM HEIGHT	500 mm	1000 mm	1500 mm	2000 mm
SYSTEM WIDTH	413 mm	413 mm	413 mm	413 mm
DIMENSIONAL HEIGHT	660 mm	1160 mm	1660 mm	2160 mm
DIMENSIONAL WIDTH	521 mm	521 mm	521 mm	521 mm
WEIGHT	6,9 kg	10,1 kg	13,7 kg	17,0 kg
GALVANISING	hot dip	hot dip	hot dip	hot dip
PRODUCT CODE	T1104.050	T1104.100	T1104.150	T1104.200



200 x 41 150 x 41 100 x 41 50 x 41

Standards of the frame are made of tubes with outer diameter of **48.3 mm**, **3.2 mm** in wall thickness, made of heavy duty **S235** (**R_e > 320 MPa**) structural steel. There are studs on the top ends, used for the erection of the next level's frames vertically. The bottom bar of the frame stiffens the structure and provides protection against accidental raising of the decks.

Steel frames



50 x 106 | 100 x 106 | 150 x 106 | 200 x 106

COMPONENTS FABRICATED IN LASER CUT AUTO WELDING TECHNOLOGY

Steel frames with system width of **1065 mm** come in four heights (just as 739 mm standard system frames). They are used for work where stockpiling of larger quantities of materials is required on the scaffold, such as during stone or masonry works, o when wider working space is prepared. Standards of the frame (uprights) are made of tubes with outer diameter of **48.3 mm**, **3.2 mm** in wall thickness, made of heavy duty **S235** (**R_e > 320 MPa**) structural steel. There are studs on the top ends, made of tubes with 38 mm in outer diameter, used for the erection of the next storeys' frames vertically.

The bottom bar of the frame (with a pin for toeboard mounting) stiffens the structure and provides protection against accidental raising of the decks.

The top bar has 12 star pins for the mounting of 320 mm and 630 mm wide decks. The frame's structure enables guardrail and diagonal brace mounting.

TECHNICAL PARAMETERS

MODEL	50 x 106	100 x 106	150 x 106	200 x 106
SYSTEM HEIGHT	500 mm	1000 mm	1500 mm	2000 mm
SYSTEM WIDTH	1065 mm	1065 mm	1065 mm	1065 mm
DIMENSIONAL HEIGHT	660 mm	1160 mm	1660 mm	2160 mm
DIMENSIONAL WIDTH	1173 mm	1173 mm	1173 mm	1173 mm
WEIGHT	12,1 kg	15,9 kg	20,1 kg	23,9 kg
GALVANISING	hot dip	hot dip	hot dip	hot dip
PRODUCT CODE	T1107.050	T1107.100	T1107.150	T1107.200

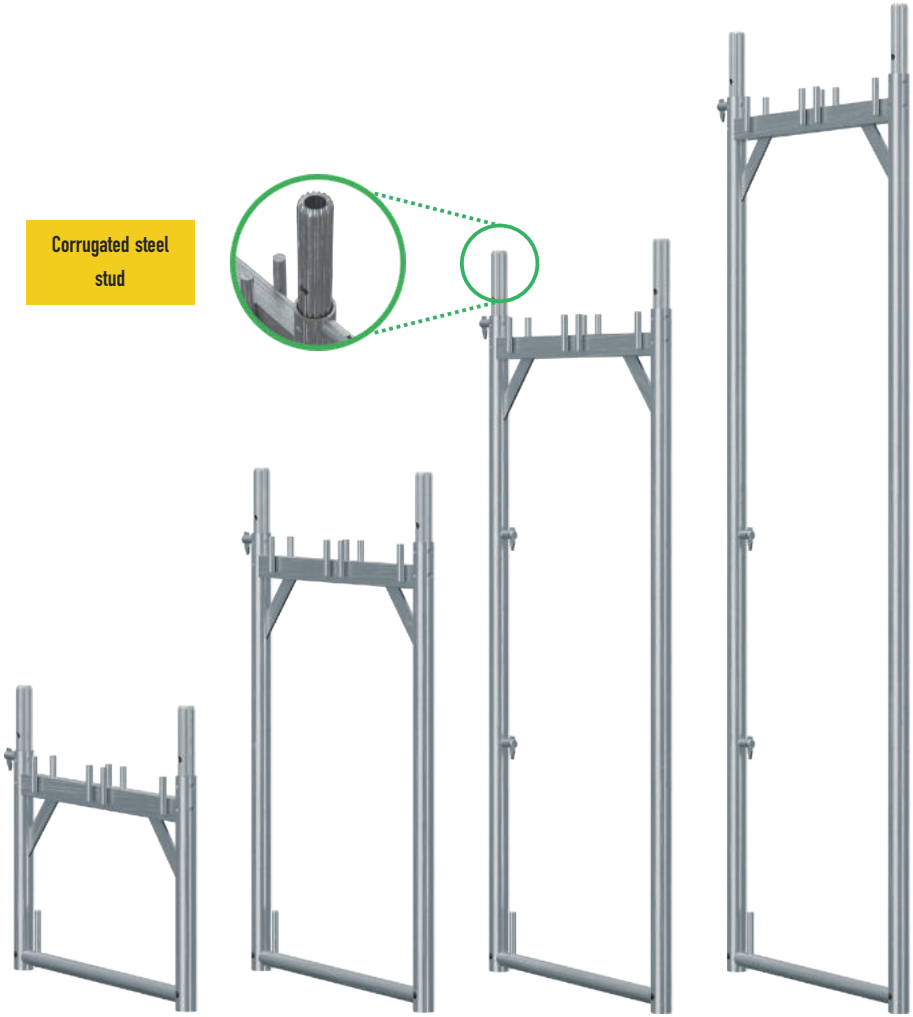
TR 74

Steel transoms are used to erect intermediate scaffolding storeys. They comprise a beam and star pins for deck mounting. There are half-couplings at both ends of the beam to mount the transoms to the frame uprights at any height.

TECHNICAL PARAMETERS

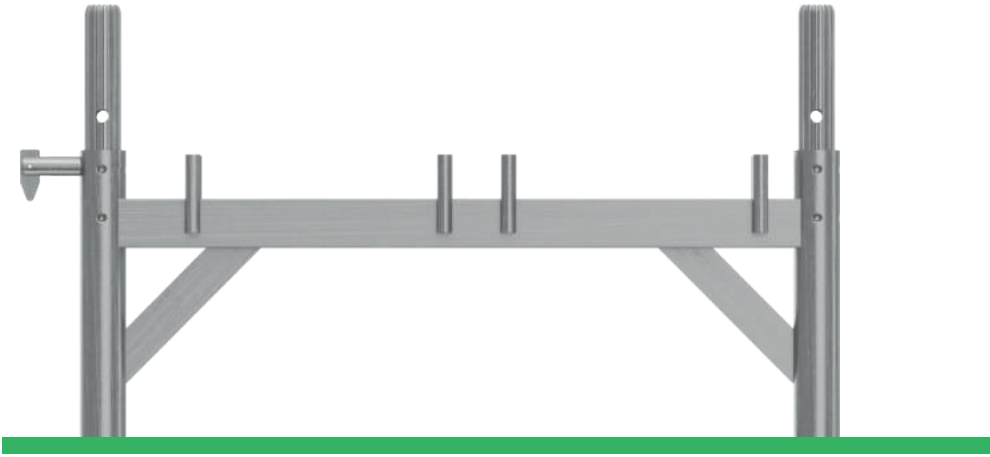
MODEL	TR 74	TR 106
SYSTEM WIDTH	739 mm	1065 mm
DIMENSIONAL HEIGHT	95 mm	95 mm
DIMENSIONAL WIDTH	820 mm	1146 mm
WEIGHT	3,6 kg	4,9 kg
PRODUCT CODE	T1106.074	T1106.106

Aluminium frames



Aluminium frames come in one system width (739 m) and four heights, where the **2.0 m** high frame is the standard frame, and the other are used primarily on the bottom level of the scaffolding for levelling out in uneven terrain or a more precise fit with the building structure.

Standards of the frame (uprights) are made of tubes with outer diameter of **48.3 mm**, **4.0 mm** in wall thickness, made of heavy duty **S235** (**R_e > 320 MPa**) structural steel. There are studs made of corrugated tubes, **38 mm** in outer diameter, on top ends of each standard, which are used for the erection of the next frame vertically. The bottom bar of the frame (with a pin for toeboard mounting) both stiffens the structure and provides protection against accidental raising of the decks. The top bar has **8 pins** for deck mounting and is additionally reinforced by two angle braces. The frame's structure enables guardrail (except for 50 and 100 frames) and diagonal brace mounting.



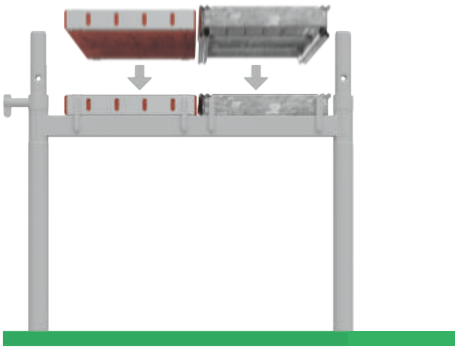
TECHNICAL PARAMETERS

MODEL	50 x 74	100 x 74	150 x 74	200 x 74
SYSTEM HEIGHT	500 mm	1000 mm	1500 mm	2000 mm
SYSTEM WIDTH	739 mm	739 mm	739 mm	739 mm
DIMENSIONAL HEIGHT	655 mm	1155 mm	1655 mm	2155 mm
DIMENSIONAL WIDTH	850 mm	850 mm	850 mm	850 mm
WEIGHT	3,9 kg	5,4 kg	7,1 kg	8,6 kg
PRODUCT CODE	T1105.050	T1105.100	T1105.150	T1105.200

Decking

In scaffolds, the deck is one or more decking components on the same level within one bay, where the decking component is a prefabricated or otherwise manufactured component which independently transfer loads and constitutes the deck or deck section.

74 x 32



106 x 32

150 x 32

200 x 32

250 x 32

300 x 32

Steel decks have anti-slip perforation, and special heads on both ends with mounting holes matching the star pins on the frames. The decks may also be supplied with grips for easer handling and erection.

Our offering includes **3 types** of steel decks:

ERGO - made of micro-alloy galvanised steel, in which the heads are joined to the base steel sheeting by high-resistance TOX clinching with additional steel rivets;

STANDARD - made of increased-resistance low-alloy steel, in which the heads are jointed to the base steel sheeting by **welding**;

HEAVY - made of structural steel with increased yield point - the heads are joined to the base steel sheeting by welding.

Timber decks are made of glued laminated coniferous timber, with steel heads on both ends with holes for mounting on the star pins of the frames.

Steel decks are protected against weather factors by **hot dip galvanising** and timber decks by **impregnation**, while timber decks heads are **electroplated**.

TECHNICAL PARAMETERS

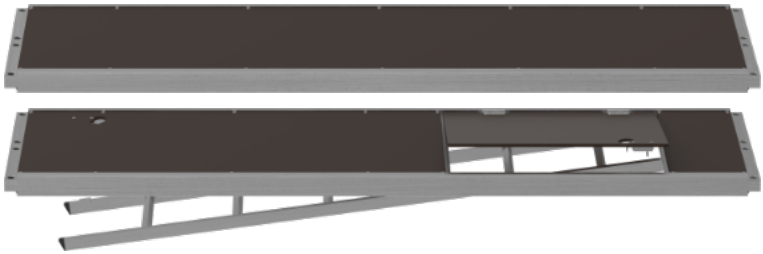
	MODEL	74 x 32	106 x 32	150 x 32	200 x 32	250 x 32	300 x 32
	SYSTEM LENGTH	690 mm	1016 mm	1451 mm	1951 mm	2451 mm	2951 mm
	SYSTEM WIDTH	320 mm	320 mm	320 mm	320 mm	320 mm	320 mm
	DIMENSIONAL LENGTH	734 mm	1060 mm	1495 mm	1995 mm	2495 mm	2995 mm
STEEL VERSION	WEIGHT (ERGO)	--	--	10,4 kg	13,6 kg	16,3 kg	19,0 kg
STEEL VERSION	PRODUCT CODE (ERGO)	T1201.074	T1201.106	T1201.150	T1201.200	T1201.250	T1201.300
STEEL VERSION	WEIGHT (STANDARD)	5,8 kg	7,8 kg	10,4 kg	13,7 kg	16,5 kg	19,3 kg
STEEL VERSION	PRODUCT CODE (STAND.)	T1202.074	T1202.106	T1202.150	T1202.200	T1202.250	T1202.300
STEEL VERSION	WEIGHT (HEAVY)	6,5 kg	8,8 kg	11,9 kg	15,8 kg	19,2 kg	22,6 kg
STEEL VERSION	PRODUCT CODE (HEAVY)	T1203.074	T1203.106	T1203.150	T1203.200	T1203.250	T1203.300
STEEL VERSION	LOADING CLASS	6	6	6	6	5	4
STEEL VERSION	WORKING LOAD	6 kN/m^2	6 kN/m^2	6 kN/m^2	6 kN/m^2	4,5 kN/m^2	3 kN/m^2
STEEL VERSION	GALVANISING	hot dip	hot dip	hot dip	hot dip	hot dip	hot dip
TIMBER VERSION	WEIGHT	6,0 kg	9,0 kg	12,0 kg	14,0 kg	18,0 kg	20,0 kg
TIMBER VERSION	LOADING CLASS	6	6	6	5	4	3
TIMBER VERSION	WORKING LOAD	6 kN/m^2	6 kN/m^2	6 kN/m^2	4,5 kN/m^2	3 kN/m^2	2 kN/m^2
TIMBER VERSION	TIMBER TYPE	conifer	conifer	conifer	conifer	conifer	conifer
TIMBER VERSION	PRODUCT CODE	T1200.074	T1200.106	T1200.150	T1200.200	T1200.250	T1200.300

DECKS

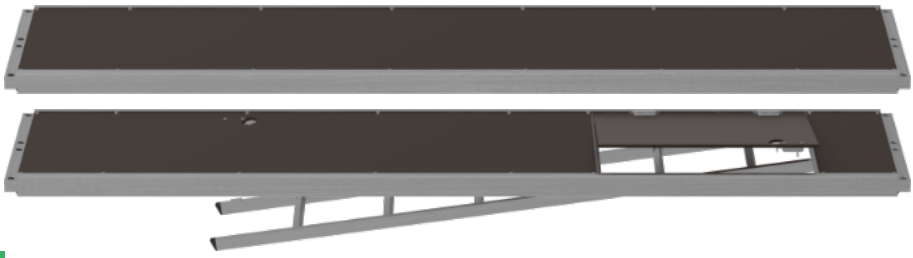
150 x 63

200 x 63

250 x 63



300 x 63



Aluminium-plywood decks come in both circulation variety (with or without an integrated ladder) and working deck variety.

They comprise a welded aluminium frame (with heads on both ends with mounting holes matching the pins on the frames), reinforced by cross-bars and finished with anti-slip plywood. In the case of circulation decks, there is an additional hatch and integrated aluminium ladder (only for **2.5 m** and **3.0 m** lengths). The respective models (Standard and Heavy) differ by the type of alu section used for the deck frame ledgers and head structure.

TECHNICAL PARAMETERS

MODEL	150 x 63	200 x 63	250 x 63	300 x 63	150 x 63 H*	200 x 63 H*	250 x 63 H*	300 x 63 H*
SYSTEM LENGTH	1451 mm	1951 mm	2451 mm	2951 mm	1451 mm	1951 mm	2451 mm	2951 mm
DIMENSIONAL LENGTH	1494 mm	1949 mm	2494 mm	2994 mm	1488 mm	1988 mm	2488 mm	2988 mm
WIDTH	630 mm	630 mm	630 mm	630 mm	630 mm	630 mm	630 mm	630 mm
WEIGHT	10,8 kg	14,3 kg	17,9 kg	21,2 kg	12,1 kg	16,1 kg	19,8 kg	25,3 kg
LOADING CLASS	3	3	3	3	3	3	3	3
WORKING LOAD	2 kN/m^2	2 kN/m^2	2 kN/m^2	2 kN/m^2	2 kN/m^2	2 kN/m^2	2 kN/m^2	2 kN/m^2
PLYWOOD THICKNESS	10 mm	10 mm	10 mm	10 mm	10 mm	10 mm	10 mm	10 mm
LADDER	--	--	--	--	--	--	--	--
PRODUCT CODE	T1206.150	T1206.200	T1206.250	T1206.300	T1207.150	T1207.200	T1207.250	T1207.300

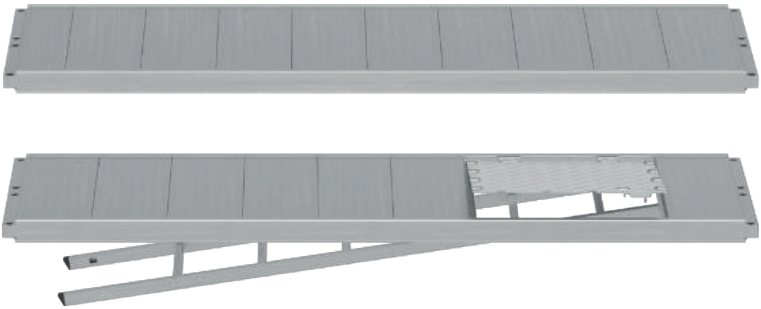
MODEL	150 x 63 P*	200 x 63 P*	250 x 63 P*	300 x 63 P*	150 x 63 PH*	200 x 63 PH*	250 x 63 PH*	300 x 63 PH*
SYSTEM LENGTH	1451 mm	1951 mm	2451 mm	2951 mm	1451 mm	1951 mm	2451 mm	2951 mm
DIMENSIONAL LENGTH	1494 mm	1949 mm	2494 mm	2994 mm	1488 mm	1988 mm	2488 mm	2988 mm
WIDTH	630 mm	630 mm	630 mm	630 mm	630 mm	630 mm	630 mm	630 mm
WEIGHT	11,8 kg	15,2 kg	21,1 kg	24,2 kg	12,7 kg	16,7 kg	23,6 kg	29,1 kg
LOADING CLASS	3	3	3	3	3	3	3	3
WORKING LOAD	2 kN/m^2	2 kN/m^2	2 kN/m^2	2 kN/m^2	2 kN/m^2	2 kN/m^2	2 kN/m^2	2 kN/m^2
PLYWOOD THICKNESS	10 mm	10 mm	10 mm	10 mm	10 mm	10 mm	10 mm	10 mm
LADDER	--	--	yes	yes	--	--	yes	yes
PRODUCT CODE	T1204.150	T1204.200	T1204.250	T1204.300	T1205.150	T1205.150	T1205.150	T1205.150

***H** – HEAVY ***P** – WALK-THROUGH ***PH** – HEAVY WALK-THROUGH

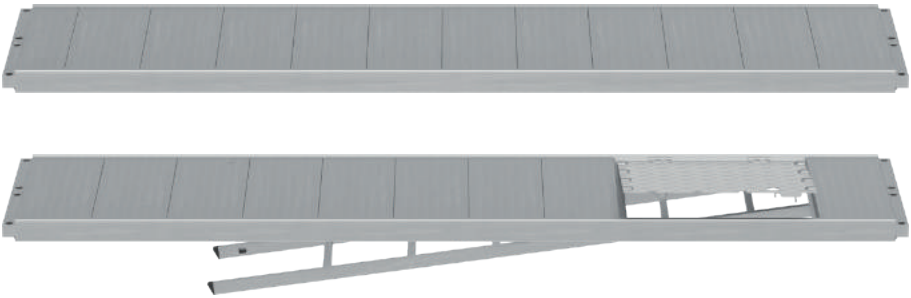
Decks

Aluminium decks come both as circulation decks (with an integrated ladder) and working decks.

250 x 63



300 x 63



They comprise a welded frame (with heads on both ends with mounting holes matching the pins on the frames), reinforced by cross-bars and finished with anti-slip aluminium panel. In the case of circulation decks, there is an additional hatch and integrated ladder. The respective models (Standard and Heavy) differ by the type of alu section used for the deck frame ledgers and head structure.

MODEL	250 x 63 A*	300 x 63 A*	250 x 63 AH*	300 x 63 AH*	250 x 63 AP*	300 x 63 AP*	250 x 63 APH*	300 x 63 APH*
SYSTEM LENGTH	2451 mm	2951 mm	2451 mm	2951 mm	2451 mm	2951 mm	2451 mm	2951 mm
DIMENSIONAL LENGTH	2494 mm	2994 mm	2488 mm	2988 mm	2494 mm	2994 mm	2488 mm	2988 mm
WIDTH	630 mm	630 mm	630 mm	630 mm	630 mm	630 mm	630 mm	630 mm
WEIGHT	14,9 kg	17,6 kg	16,5 kg	21,3 kg	18,9 kg	21,6 kg	21,5 kg	26,0 kg
LOADING CLASS	4	3	4	3	4	3	4	3
WORKING LOAD	3 kN/m^2	2 kN/m^2	3 kN/m^2	2 kN/m^2	3 kN/m^2	2 kN/m^2	3 kN/m^2	2 kN/m^2
LADDER	--	--	--	--	yes	yes	yes	yes
PRODUCT CODE	T1210.250	T1210.300	T1211.250	T1211.300	T1208.250	T1208.300	T1209.250	T1209.250

*** A –** ALIMINIUM **H –** HEAVY **P –** WALK-THROUGH

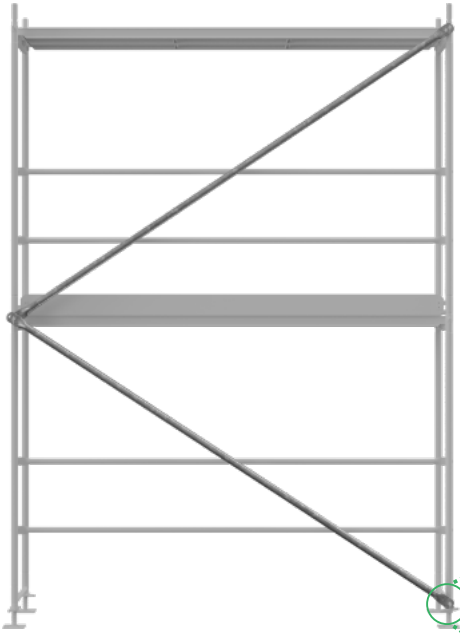
Steel ladder with mounting hooks is a component which, together with a 150x63 or 200x63 aluminium-plywood circulation deck, may constitute a circulation path, or allow entry on the first level of the scaffold whose height is below 2.0 mm (as a straight ladder mounted to the tube with scaffold couplings).

The ledgers, 270 mm apart, are connected by rungs, and the ladder is also fitted with two hooks for suspension under the circulation deck. The centre-to-centre width is 300 mm.

MODEL	DR 200
DIMENSIONAL WIDTH	340 mm
EXTERNAL HEIGHT	2120 mm
WEIGHT	7,5 kg
PRODUCT CODE	T0900.200

Diagonal braces

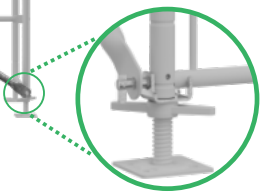
Diagonal braces ensure lateral rigidity in vertical planes.



Diagonal braces are made of tubes flattened at both ends, where there are also holes that enable mounting on the stud with a latch and the bottom bracing coupling. There are two holes at one end, the internal one being used only for the mounting of the bracing on the stud with a latch of the bottom bracing coupling.

It comes in two fabrication variants:

- black tubes, subsequently hot dip galvanised (STANDARD)
- galvanised tube (ERGO)



Application of bottom bracing coupling

Bottom bracing coupling - is applied directly on the screw jack, and used for the mounting of one end of the diagonal bracing. It is made of profiled steel sheeting, has a hole for mounting on the jack screw pin and the stud with a latch, where the bracing end with two holes is mounted, by mounting through the hole on the inner side of the bracing.

TECHNICAL PARAMETERS

MODEL	200 x 100	250 x 100	300 x 100	250 x 150	300 x 150	150 x 200	200 x 200	250 x 200	300 x 200
SYSTEM LENGTH	2236 mm	2693 mm	3162 mm	2915 mm	3354 mm	2500 mm	2828 mm	3202 mm	3606 mm
DIMEN. LENGTH	2296 mm	2753 mm	3212 mm	2975 mm	3414 mm	2560 mm	2888 mm	3262 mm	3666 mm
WEIGHT (STAND.)	6,4 kg	7,6 kg	8,9 kg	8,2 kg	9,4 kg	7,1 kg	8,0 kg	9,0 kg	10,1 kg
PRODUCT CODE	T0301.200	T0301.250	T0301.300	T0304.250	T0304.300	T0302.150	T0302.200	T0302.250	T0302.300
WEIGHT (ERGO)	5,4 kg	6,5 kg	7,6 kg	7,0 kg	8,0 kg	6,0 kg	6,8 kg	7,7 kg	8,6 kg
PRODUCT CODE	T0305.200	T0305.100	T0305.300	T0303.250	T0303.300	T0300.150	T0300.200	T0300.250	T0300.300
TUBE DIAMETER	48,3 mm	48,3 mm	48,3 mm	48,3 mm	48,3 mm	48,3 mm	48,3 mm	48,3 mm	48,3 mm
GALVANISING	hot dip	hot dip	hot dip	hot dip	hot dip	hot dip	hot dip	hot dip	hot dip

Side protection

Work areas and access zones should be secured by side protection items (guardrails) comprising the **top rail, the bottom rail** and the toeboard. **Rails** are laterally mounted to the frame uprights on the deck side, at the appropriate height, and provide protection against falling off the deck.

300

250

200

150

106

74

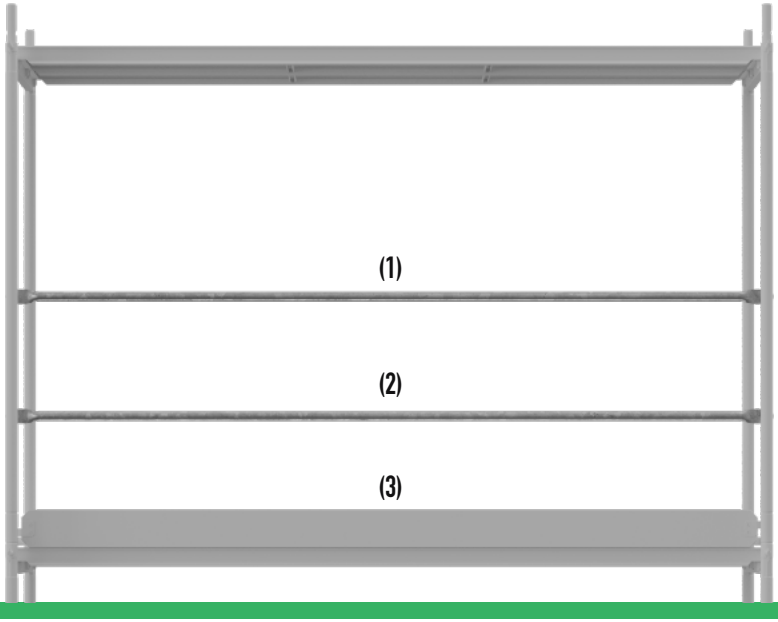
Top rails are made of tubes flattened at both ends, where there are also holes that enable mounting on the stud with a latch of e.g. frames, rail posts, rail posts with deck protection, and end frames.

They come in two fabrication variants:

- black tubes, subsequently hot dip galvanised (STANDARD);

- galvanised tube (ERGO).

They perform the role of both the top rail and the bottom rail, constituting the full guardrail together with the toe board (**guardrail** = **top rail (1)** + **bottom rail (2)** + **toeboard (3)**).



TECHNICAL PARAMETERS

MODEL	74	106	150	200	250	300
SYSTEM LENGTH	739 mm	1065 mm	1500 mm	2000 mm	2500 mm	3000 mm
DIMENSIONAL LENGTH	799 mm	1125 mm	1560 mm	2060 mm	2560 mm	3060 mm
WEIGHT (STANDARD)	1,3 kg	1,9 kg	2,6 kg	3,4 kg	4,3 kg	5,1 kg
WEIGHT (ERGO)	1,2 kg	1,8 kg	2,5 kg	3,3 kg	4,1 kg	4,9 kg
TUBE DIAMETER	38 mm	38 mm	38 mm	38 mm	38 mm	38 mm
GALVANISING	hot dip	hot dip	hot dip	hot dip	hot dip	hot dip
PRODUCT CODE (STAN.)	T0401.074	T0401.106	T0401.150	T0401.200	T0401.250	T0401.300
PRODUCT CODE (ERGO)	T0400.074	T0400.106	T0400.150	T0400.200	T0400.250	T0400.300

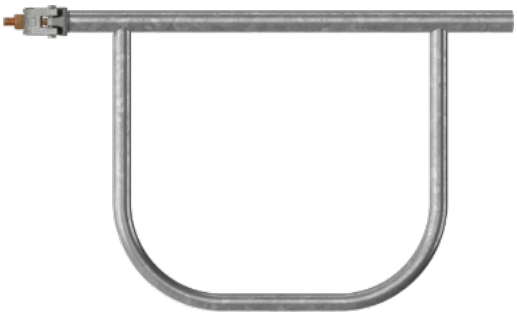
Side protection

End rails are items mounted horizontally to the uprights of scaffolding frames on the deck end (from the head of the scaffold) at the appropriate height, providing protection against falling off the deck.

SINGLE 74

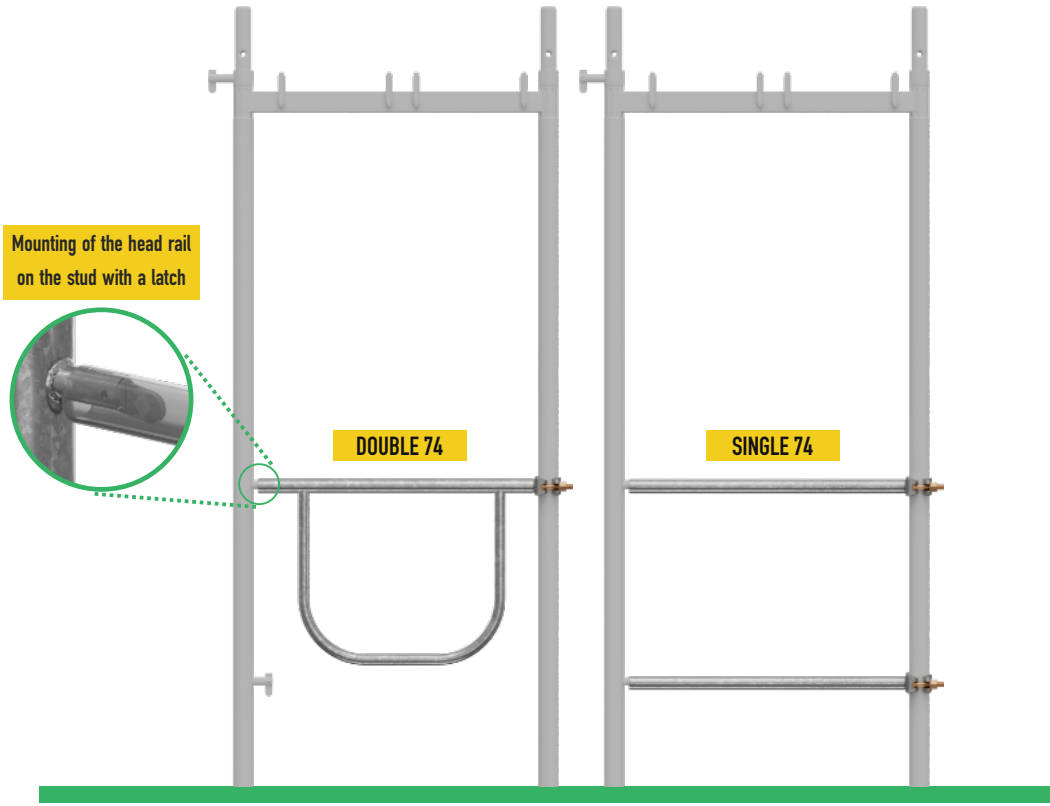
Single end rail - made of tube flattened on one hand, with a half-coupling to be mounted on the frame upright, while the other end is mounted on the frame's stud with a latch. It performs the role of the top rail and bottom rail, constituting the full guardail on the front end of the scaffold (**head guardrail** = **top rail** + **single bottom rail** + **toeboard** (end toeboard)).

DOUBLE 74



Double end rail - made of a horizontal tube (top rail from the front of the scaffold), with a half-coupling on one end to be mounted on the frame upright, while the other end is mounted on the frame's stud with a latch. A U-shaped tube is welded to that component, whose horizontal section is the bottom rail.

Along with the end toeboard, it constitutes the full guardail at the end of the scaffold (**end guardrail** = **top rail** + **bottom rail** (double top rail) + **toeboard** (end toeboard).



TECHNICAL PARAMETERS

MODEL	SINGLE 74	DOUBLE 74	SINGLE 106	DOUBLE 106
SYSTEM WIDTH	739 mm	739 mm	1065 mm	1065 mm
DIMENSIONAL LENGTH	725 mm	725 mm	1050 mm	1050 mm
DIMENSIONAL HEIGHT	40 mm	500 mm	40 mm	500 mm
WEIGHT	1,9 kg	3,6 kg	2,5 kg	4,6 kg
GALVANISING	hot dip	hot dip	hot dip	hot dip
PRODUCT CODE	T1400.074	T1401.074	T1400.106	T1401.106

Side protection

Rails are items mounted horizontally to the scaffold frame uprights on the deck end, at the appropriate height, providing protection against falling of the deck.

300

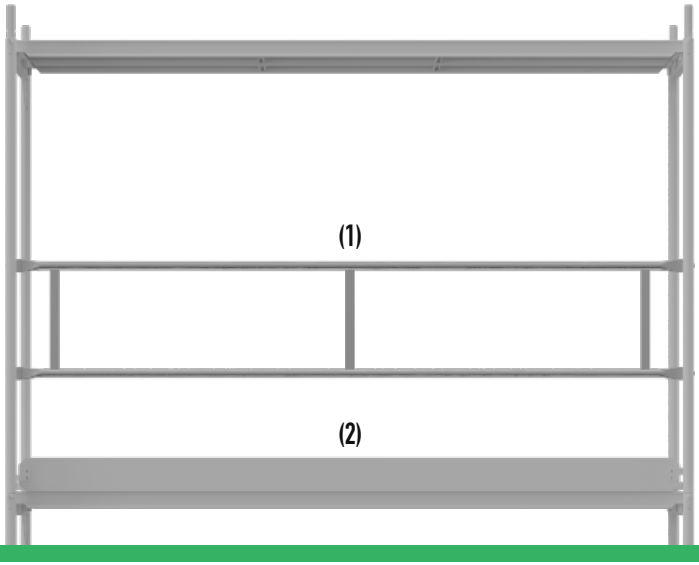
250

200

150

Double aluminium rail is composed of two single rails - tubes flattened on both ends, where plates with holes are welded, used for the mounting on studs with latches of e.g. frames, rail posts, rail posts with deck and head frame protection, and the whole item is connected to the frame with vertical posts.

It performs the role of the top rail and the bottom rail, constituting the full guardrail together with the toeboard (**guardrail** = **top rail and bottom rail** (double rail **(1)**) + **toeboard (2)**).

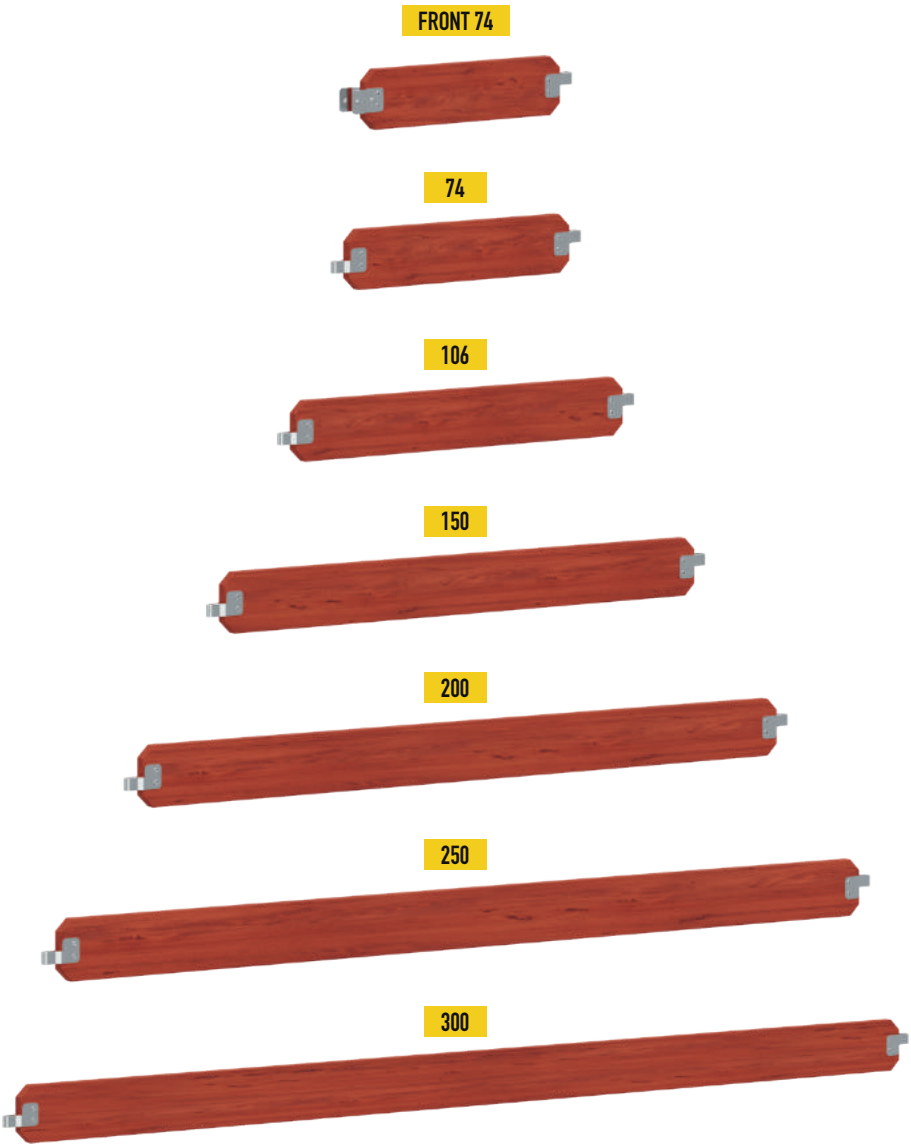


TECHNICAL PARAMETERS

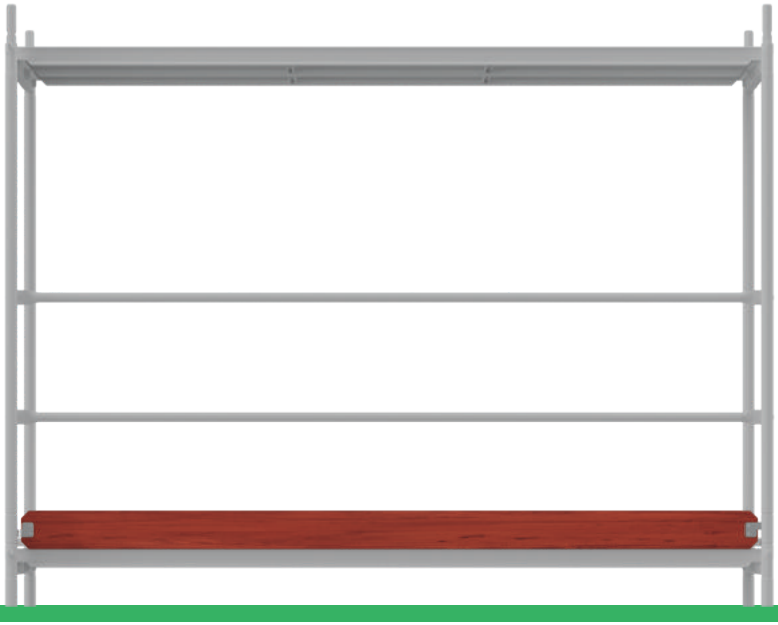
MODEL	150	200	250	300	150 ALU	200 ALU	250 ALU	300 ALU
SYSTEM LENGTH	1500 mm	2000 mm	2500 mm	3000 mm	1500 mm	2000 mm	2500 mm	3000 mm
DIMENSIONAL LENGTH	1560 mm	2060 mm	2560 mm	3060 mm	1560 mm	2060 mm	2560 mm	3060 mm
HEIGHT	530 mm	530 mm	530 mm	530 mm	530 mm	530 mm	530 mm	530 mm
WEIGHT (STANDARD)	6,9 kg	8,5 kg	11,1 kg	12,7 kg	2,5 kg	3,2 kg	4,2 kg	4,8 kg
PRODUCT CODE	T0404.150	T0404.200	T0404.250	T0404.300	T0402.150	T0402.200	T0402.250	T0402.300
WEIGHT (HEAVY)	8,6 kg	10,4 kg	14,4 kg	16,0 kg	3,1 kg	4,2 kg	5,3 kg	5,9 kg
PRODUCT CODE	T0405.150	T0405.200	T0405.250	T0405.300	T0403.150	T0403.200	T0403.250	T0403.300

Side protection

The toe board is a flat protective component (e.g. a plank) limiting the working deck and providing protection against the user's foot slipping, or against material and people falling off the deck.



Toeboards are made of timber impregnated against adverse weather factors, with steel grips on both ends for the mounting on the frame studs. As a standard, they provide deck protection on the outside of the scaffold and are mandatory guardrail components, next to rails.



*Toeboards may be fabricated with the customer's logo

TECHNICAL PARAMETERS

MODEL	FRONT 74	FRONT 106	74	106	150	200	250	300
SYSTEM LENGTH	739 mm	1065 mm	739 mm	1065 mm	1500 mm	2000 mm	2500 mm	3000 mm
DIMENSIONAL LENGTH	688 mm	1014 mm	754 mm	1080 mm	1515 mm	2015 mm	2515 mm	3015 mm
HEIGHT	150 mm	150 mm	150 mm	150 mm	150 mm	150 mm	150 mm	150 mm
WEIGHT	1,3 kg	1,7 kg	1,7 kg	2,1 kg	2,9 kg	3,9 kg	4,9 kg	5,9 kg
TIMBER TYPE	conifer	conifer	conifer	conifer	conifer	conifer	conifer	conifer
FLASHINGS GALVANISING	electroplate	electroplate	electroplate	electroplate	electroplate	electroplate	electroplate	electroplate
PRODUCT CODE	T1402.074	T1402.106	T1403.074	T1403.106	T1403.150	T1403.200	T1403.250	T1403.300

Side protection

Rail posts, rail posts with deck protection and end frames can be used for the mounting of the guardrail at the top scaffold level, or guardrails that protect decks on the brackets.

100

The rail post is used for guardrail mounting on brackets. It is mounted directly on the bracket pin.

It comprises a tubular upright and a cross-bar with a pin for toeboard mounting.

The upright has studs with latches for rail mounting.

The steel version of the post is protected against corrosion by **hot dip galvanising**.

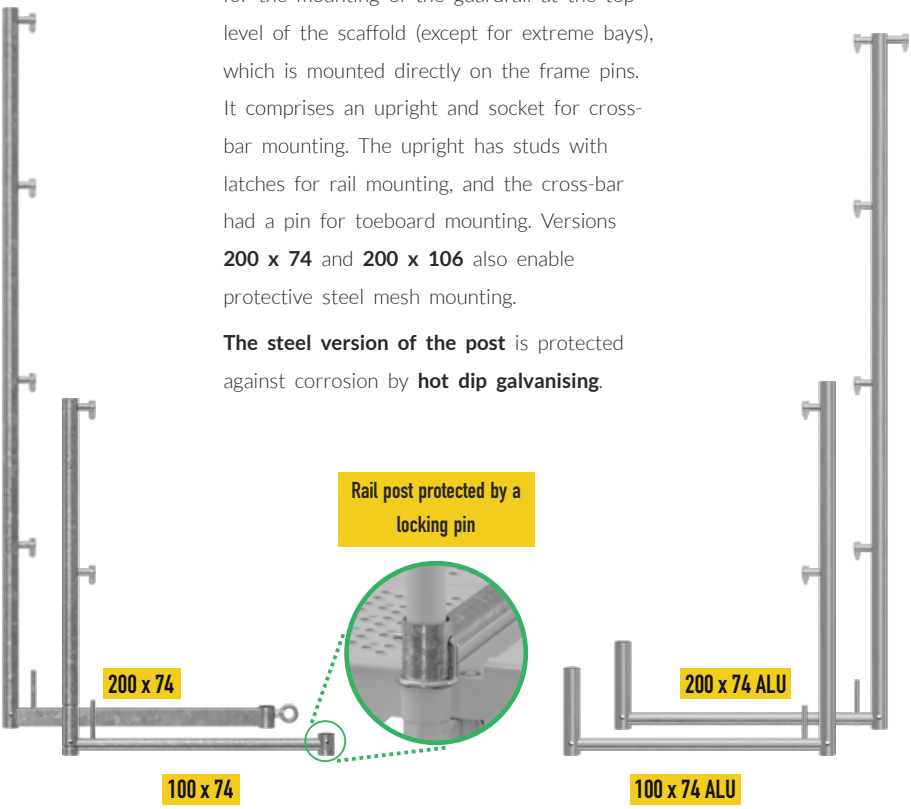
100 ALU

TECHNICAL PARAMETERS

MODEL	100	100 ALU
SYSTEM HEIGHT	1000 mm	1000 mm
DIMENSIONAL HEIGHT	1025 mm	1075 mm
DIMENSIONAL WIDTH	150 mm	130 mm
WEIGHT	3,9 kg	1,8 kg
GALVANISING	hot dip	--
PRODUCT CODE	T1404.100	T1405.100

The rail post with deck protection is used for the mounting of the guardrail at the top level of the scaffold (except for extreme bays), which is mounted directly on the frame pins. It comprises an upright and socket for cross-bar mounting. The upright has studs with latches for rail mounting, and the cross-bar had a pin for toeboard mounting. Versions **200 x 74** and **200 x 106** also enable protective steel mesh mounting.

The steel version of the post is protected against corrosion by **hot dip galvanising**.



TECHNICAL PARAMETERS

MODEL	100 x 74	200 x 74	100 x 106	200 x 106	100 x 74 ALU	200 x 74 ALU
SYSTEM HEIGHT	1000 mm	2000 mm	1000 mm	2000 mm	1000 mm	2000 mm
SYSTEM WIDTH	739 mm	739 mm	1065 mm	1065 mm	739 mm	739 mm
DIMENSIONAL HEIGHT	1025 mm	2070 mm	1025 mm	2070 mm	1075 mm	2000 mm
DIMENSIONAL WIDTH	787 mm	787 mm	1113 mm	1113 mm	787 mm	850 mm
WEIGHT	5,2 kg	10,5 kg	5,8 kg	11,4 kg	2,4 kg	3,8 kg
GALVANISING	hot dip	hot dip	hot dip	hot dip	--	--
PRODUCT CODE	T1406.100	T1406.200	T1411.100	T1411.200	T1407.100	T1407.200

Side protection

The end frame provides protection to the guardrail section at the top scaffold level (has two integrated end rails) and enables mounting of a full guardrail in two extreme, highest bays of the scaffold and of the head toeboard.

END 74

END 74 | 4P

The end frame is composed of two uprights connected by three cross-bars. The bottom cross-bar provides protection against accidental raising of the top scaffold level decks, and the other two are used as end rails. The assembly is also fitted with studs with latches for rail mounting and a pin for toeboard mounting in extreme bays and at the scaffold end.

It comes in the steel and aluminium variety. The variety with additional pins for rail mounting and pin for toeboard mounting is used if it is necessary to erect the guardrail (toprail and toebooard) on the inside of the scaffold, i.e. primarily if the scaffold deck is set off against the facade by more than 20 cm.

TECHNICAL PARAMETERS

MODEL	END 74	END 74 | 4P	END 106	END 106 | 4P	END 74 ALU
SYSTEM HEIGHT	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm
SYSTEM WIDTH	739 mm	739 mm	1065 mm	1065 mm	739 mm
DIMENSIONAL HEIGHT	1075 mm	1075 mm	1075 mm	1075 mm	1075 mm
DIMENSIONAL WIDTH	787 mm	787 mm	1113 mm	1113 mm	787 mm
WEIGHT	11,6 kg	12,0 kg	13,4 kg	13,8 kg	4,5 kg
GALVANISING	hot dip	hot dip	hot dip	hot dip	--
PRODUCT CODE	T1408.074	T1409.074	T1408.106	T1409.106	T1410.074

4P – VERSION WITH ADDITIONAL RAIL AND TOEBOARD COUPLINGS

Brackets

The bracket is a structural component mounted on the load-bearing structure to add extra working decks or rain guards.

32

Bracket 32 without a pin is used to widen the working deck on the inside of the scaffold by one 320 mm wide deck. It is a structure made of three closed profiles, fitted with a half-coupling and support. The horizontal profile has four star pins for deck mounting.

32 T

32 TZ

Bracket 32 with a pin is used to widen the working deck on the inside of the scaffold by one 320 mm wide deck.

It is a structure made of three closed profiles, fitted with a half-coupling and support. At one end of the horizontal (load-bearing) profile, there is a pin for the rail post mounting. The horizontal load-bearing profile has four star pins for deck mounting.

The bracket comes in two varieties: one with a trim protecting the deck against accidental decoupling and a pin for toeboard mounting, and one without that trim.

64

Bracket 64 with a pin is used to widen the working deck by two 320 mm wide decks or one 630 mm wide deck on the inside of the scaffold.

It is a structure made of three closed profiles, fitted with a half-coupling and support. At one end of the load-bearing profile, where there are eight star pins for deck mounting, there is a pin for the rail post mounting. The bracket is also fitted with a stud with a latch, which enables diagonal bracing mounting.

Brackets

Bracket 74 with two pins is used to widen the working deck by two 320 mm wide decks or one 630 mm wide deck on the outside of the scaffold. In addition, the bracket helps shift the axis of the scaffold by the width of one 200 x 74 frame. This bracket is a structure made of three closed profiles, fitted with a half-coupling and support. At both ends of the load-bearing profile, where there are eight star pins for deck mounting, there are pins for the mounting of the rail post, the rail post with deck protection, the end frame or the 200 x 74 frame. The bracket is also fitted with a stud with a latch, which enables diagonal bracing mounting. This bracket requires the **bracket 74 support**.

Bracket 96 with two pins is used to widen the working deck by three 320 mm wide decks or one 630 mm wide and one 320 mm wide deck on the inside of the scaffold.

It is a structure made of three closed profiles, fitted with a half-coupling and support. At one end of the load-bearing profile, where there are twelve star pins for deck mounting, there is a pin for the rail post mounting. The bracket is also fitted with a stud with a latch, which enables diagonal bracing mounting.

Bracket 110 with two pins is used to widen the working deck by three 320 mm wide decks or one 630 mm wide and one 320 mm wide deck on the outside of the scaffold.

It is a structure made of three closed profiles, fitted with a half-coupling and support. At both ends of the load-bearing profile, where there are twelve star pins for deck mounting, there are pins for the mounting of e.g. the rail post or the rail post with deck protection, or the end frame of the appropriate width. The bracket is also fitted with a stud with a latch, which enables diagonal bracing mounting.

This bracket may require the **bracket 110 support**.

TECHNICAL PARAMETERS

MODEL	32	32 T*	32 TZ*	64 T*	74 2T*	96 T*	110 2T*
SYSTEM WIDTH	320 mm	320 mm	320 mm	640 mm	739 mm	960 mm	1065 mm
DIMENSIONAL HEIGHT	385 mm	555 mm	555 mm	830 mm	830 mm	830 mm	830 mm
DIMENSIONAL WIDTH	360 mm	420 mm	480 mm	830 mm	940 mm	1100 mm	1210 mm
WEIGHT	3,2 kg	4,9 kg	5,4 kg	8,3 kg	10,4 kg	10,3 kg	12,1 kg
GALVANISING	hot dip	hot dip	hot dip	hot dip	hot dip	hot dip	hot dip
PRODUCT CODE	T1500.032	T1501.032	T1502.032	T1503.064	T1504.074	T1505.096	T1506.110

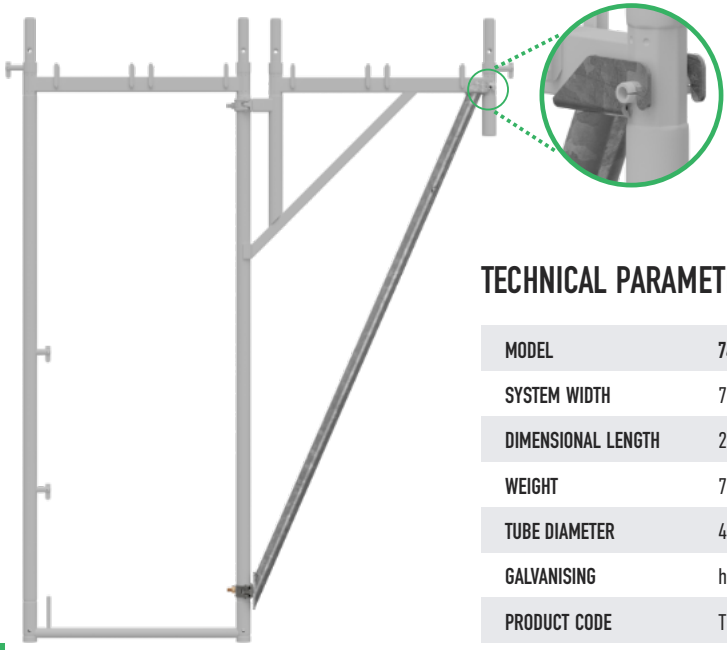
* T – WITH ONE PIN 2T – WITH TWO PINS

Brackets

The bracket support is used for console stabilisation, and is also referred to as the angle brace.

It is made of a tube with outer diameter of **48.3 mm** with a half-coupling fitted on one end, and a special clamp on the other.

One end of the support is mounted under the top beam of the bracket (on the expansion plug), and the other, through the half-coupling, in the bottom section of the upright of the frame to which the bracket is mounted.

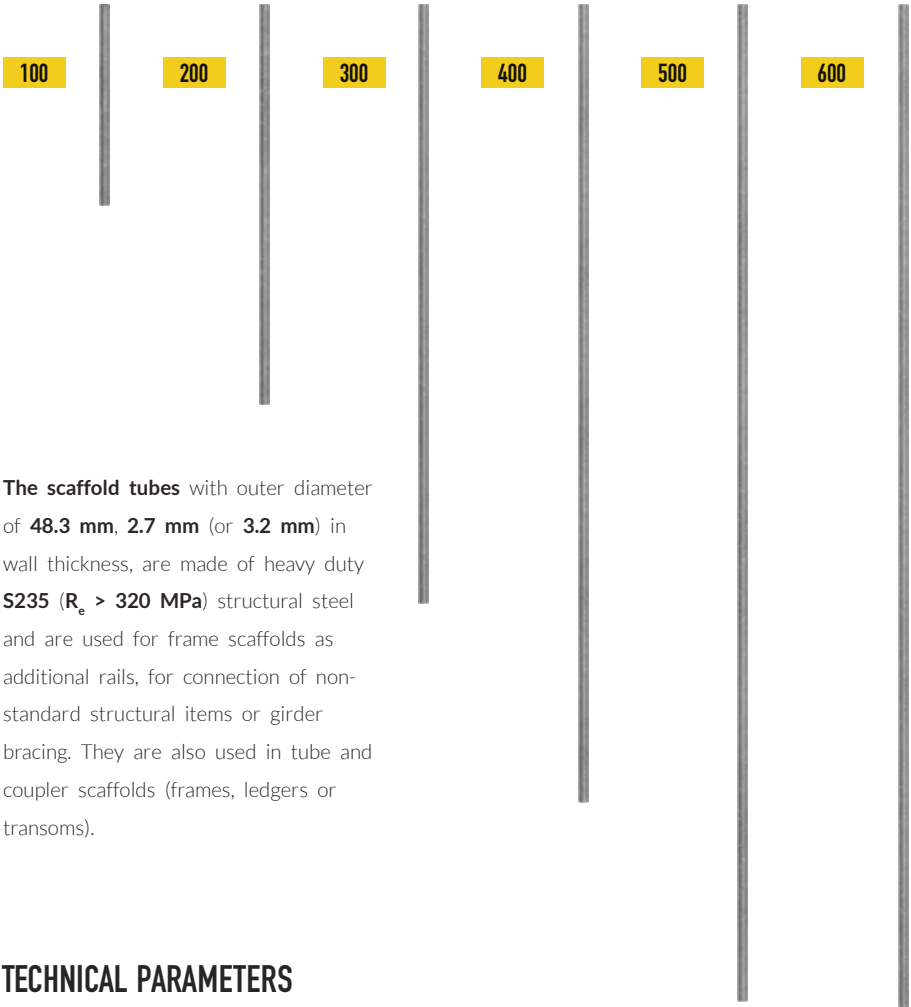


Console 74 bracket mounting method

TECHNICAL PARAMETERS

MODEL	74	110
SYSTEM WIDTH	739 mm	1065 mm
DIMENSIONAL LENGTH	2005 mm	2145 mm
WEIGHT	7,5 kg	8,0 kg
TUBE DIAMETER	48,3 mm	48,3 mm
GALVANISING	hot dip	hot dip
PRODUCT CODE	T1507.074	T1507.110

Scaffold tubes



The scaffold tubes with outer diameter of **48.3 mm**, **2.7 mm** (or **3.2 mm**) in wall thickness, are made of heavy duty **S235** (**R_e > 320 MPa**) structural steel and are used for frame scaffolds as additional rails, for connection of non-standard structural items or girder bracing. They are also used in tube and coupler scaffolds (frames, ledgers or transoms).

TECHNICAL PARAMETERS

MODEL	100	200	300	400	500	600
LENGTH	1000 mm	2000 mm	3000 mm	4000 mm	5000 mm	6000 mm
WEIGHT FOR WALL 2,7 mm	3,1 kg	6,3 kg	9,5 kg	12,7 kg	15,9 kg	19,1 kg
WEIGHT FOR WALL 3,2 mm	3,7 kg	7,4 kg	11,2 kg	14,9 kg	18,6 kg	22,4 kg
GALVANISING	hot dip	hot dip	hot dip	hot dip	hot dip	hot dip
PRODUCT CODE 2.7 mm	T0901.100	T0901.200	T0901.300	T0901.300	T0901.300	T0901.600
PRODUCT CODE 3.2 mm	T0902.100	T0902.200	T0902.300	T0902.400	T0902.500	T0902.600

Couplers

Couplers in scaffoldings are used to join two or more components.

RA

The right angle coupler (RA) is used to join two tubes at the right angle. It is classified as a fixed or normal structural joint. It is used for frame, modular as well as tube and coupler scaffolds to connect two tubes whose outer diameter is **48.3 mm** at the angle of 90°, in particular to attach anchoring connectors to frames, truss girders to the scaffold structure, and primarily to join the respective components in tube and coupler scaffolds (such as e.g. rails, ledgers or transoms) with frames.

SW

Swivel coupler (SW) is used to connect two tubes at any angle. It is classified as an articulated structural joint. It is used for frame, modular as well as tube and coupler scaffolds to connect two tubes whose outer diameter is **48.3 mm** at any angle, i.e. to attach additional diagonal bracing, trusses, rain guard structures, or to stabilise the scaffold structure with tubes.

SF

Sleeve coupler (SF) is used two connect two tubes having the same axis. It is classified as a contact structural joint. It is used to connect two tubes whose outer diameter is **48.3 mm** in straight line, until the required length of the tube is achieved. it is primarily used for tube and coupler scaffolds to extend e.g. rails, ledgers and transoms. It can be used with a **centering pin** which prevents crimping of the ends of the connected tubes.

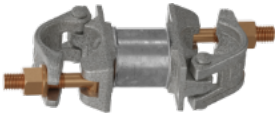
ZKL

Clamp coupler, also classified as a structural joint, is used to suspend tubes whose outer diameter is **48.3 mm** to steel structures (e.g. made of I beams). In such cases, it is necessary to use two clamp couplers to suspend a single tube.

ZKR

Toeboard coupler is an auxiliary component used for the mounting of extra toeboards on scaffolds, in particular where the working deck is set off against the facade by more than **20 cm**. It comprises one half of a rotating coupler (enabling attachment of tubes with outer diameter of **48.3 mm**) and a pin for the mounting of an extra toeboard.

PA11

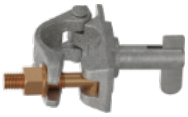


PA16

Parallel coupler (PA) - is a coupler used for parallel connection of two tubes. It is used to connect two tubes whose outer diameter is **48.3 mm**, when appropriate distance between their parallel axes is ensured.

It is primarily used for frame scaffolds to connect frames in structures with doors or in building corners. It comes in two dimensional varieties: distances between the axes are **113 mm** or **160 mm**.

ZP



Rail coupler is also an auxiliary coupler, used to attach additional rails on scaffolds, in particular where the working deck is set off against the facade by more than **20 cm**. It comprises one half of a rotating coupler (enabling attachment of tubes with outer diameter of **48.3 mm**) and a stud with a latch for the mounting of an extra rail.

TECHNICAL PARAMETERS

MODEL	RA	SW	SF	ZKL	ZKR	PA 11	PA 16	ZP
CLASS	B	B	A or B	--	--	--	--	--
NUT TIGHTENING TORQUE	50 Nm	50 Nm	50 Nm	50 Nm	50 Nm	50 Nm	50 Nm	50 Nm
WEIGHT	1,1 kg	1,25 kg	1,5 kg	0,8 kg	0,8 kg	1,4 kg	1,6 kg	0,7 kg
GALVANISING	electropl.	electropl.	electropl.	electropl.	electropl.	electropl.	electropl.	electropl.
PRODUCT CODE	T0903.000	T0904.000	T0905.000	T0912.000	T0906.000	T0907.113	T0907.160	T0908.000

Accessories

TECHNICAL PARAMETERS

TC

This item is used, together with the sleeve coupler, to connect two tubes whose outer diameter is **48.3 mm** in one axis. Its purpose is to keep the tubes in one axis, transfer compressive forces that operate on them and prevent their crimping. Used mainly for rack extension in tube and coupler scaffolds, and for rail or ledger extension.

MODEL	TC
DIMENSIONAL LENGTH	200 mm
OUTER DIAMETER	48 mm
WEIGHT	0,8 kg
GALVANISING	electropl.
PRODUCT CODE	T0909.000

SM

T-head bolt with a hex nut - used as a scaffold coupler accessory. T**he T-head bolt** is 14 mm in diameter in 8.8 class, whereas the **hex nut** has wrench size of 22 mm.

MODEL	SM
BOLT DIMENSIONS	M14x70
NUT DIMENSIONS	M14
NUT TIGHTENING TORQUE	50 Nm
WEIGHT	0,2 kg
GALVANISING	electropl.
PRODUCT CODE	T0910.000

ZZ

The locking pin is a profiled rod whose diameter is 8 mm, used to protect frames, rail posts with deck protection and end frames against accidental decoupling (e.g. by strong). It is mounted in special holes in the bottom sections of the above scaffold components. It may also provide protection for scaffold sections handled by a crane.

MODEL	ZZ
DIAMETER	8 MM
WEIGHT	0,1 kg
GALVANISING	electropl.
PRODUCT CODE	T0911.000

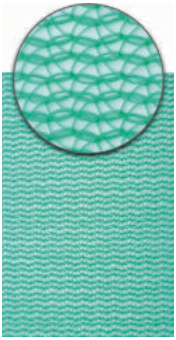
KG 19/22

The ratchet spanner is used in scaffolds to tighten coupler nuts. The tool can be used with two nut sizes (19/22) and can work in both directions (left and right twist), which facilities the coupling installation and dismantling.

TECHNICAL PARAMETERS

MODEL	KG 19/22
WRENCH SIZE	19 / 22 mm
DIMENSIONAL LENGTH	320 mm
WEIGHT	0,5 kg
PRODUCT CODE	T0913.000

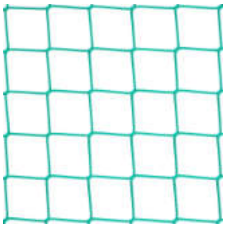
SOP



Scaffolds situated directly at roads, streets, at intersections and pedestrian junctions should have **protective nets** installed, whose application does not waive the requirement to use guardrails.

The light **anti-dust net** made of polyethylene, with stitches at the edges (to prevent tearing) provides effective protection for work near the scaffolding (e.g. for pedestrians) against dust in the course of corrosion protection or spray painting. It has lugs for scaffold frame mounting, e.g.

SOD



Roofer protective net made of polypropylene, constitutes additional protection for workers using the scaffold. It is used in particular for the top scaffold level where, together with a complete guardrail constitutes robust protection for roofers against falling from height.

TECHNICAL PARAMETERS

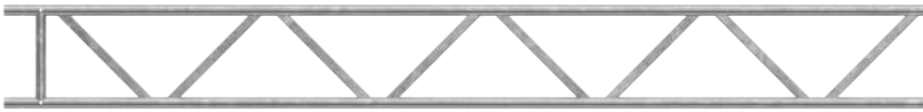
MODEL	SOP 2,5/10	SOP 2,5/20	SOP 3,0/10	SOP 3,0/20	SOD 4,5	SOD 8	SOD 10
MESH SIZE	--	--	--	--	4,5 x 4,5 cm	8 x 8 cm	10 x 10 cm
WEIGHT	50 g/m^2	50 g/m^2	50 g/m^2	50 g/m^2	--	--	--
LENGTH	10 m	20 m	10 m	20 m	any	any	any
WIDTH	2,6 m	2,6 m	3,1 m	3,1 m	any	any	any
THICKNESS	--	--	--	--	5 mm	5 mm	5 mm
PRODUCT CODE	T0914.251	T0914.252	T0914.301	T0914.302	T0915.004	T0915.008	T0915.010

Truss girders

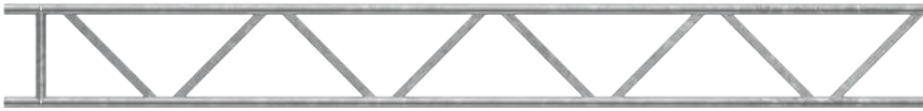
Truss girders are longitudinal structural members whose purpose is to support the structure.

320

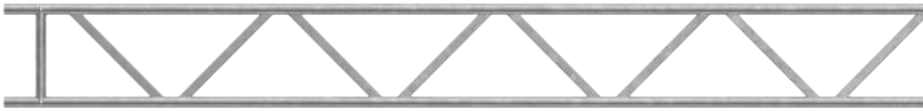
420



520

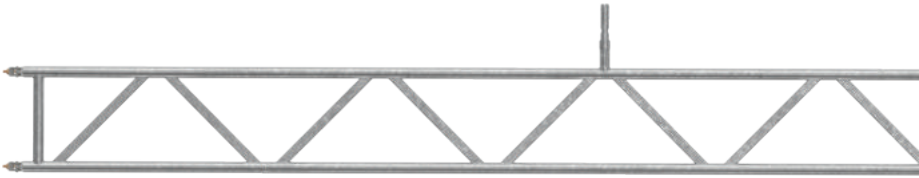


620

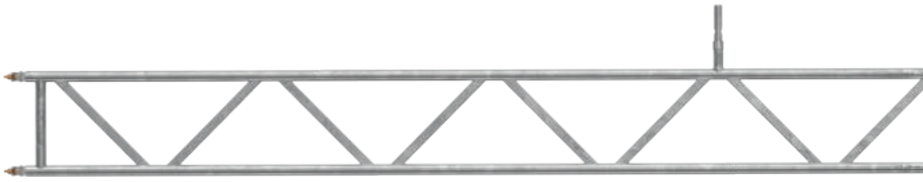


A special structural solutions within truss girders are the so-called **walk-through girders**. They are primarily used for suspensions over gate entrances. In comparison to standard girders, the top and bottom chords feature a tubular pin with outer diameter of 38 mm. This structure enables erection of the frame of another level and extend the scaffold over the gate entrance.

500 P



600 P

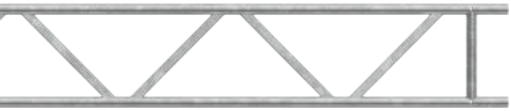


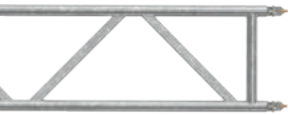
COMPONENTS FABRICATED IN LASER CUT AUTO WELDING TECHNOLOGY

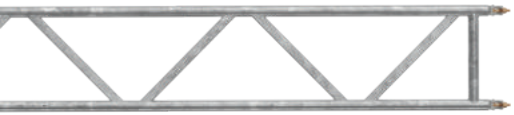
TECHNICAL PARAMETERS

MODEL	320	420	520	500 P	620	600 P
SYSTEM LENGTH	3240 mm	4240 mm	5240 mm	5000 mm	6240 mm	6000 mm
SYSTEM HEIGHT	400 mm	400 mm	400 mm	400 mm	400 mm	400 mm
DIMENSIONAL LENGTH	3240 mm	4240 mm	5240 mm	5060 mm	6240 mm	6060 mm
DIMENSIONAL HEIGHT	448 mm	448 mm	448 mm	720 mm	448 mm	720 mm
WEIGHT	33,0 kg	42,1 kg	51,2 kg	51,8 kg	60,3 kg	60,8 kg
GALVANISING	hot dip	hot dip	hot dip	hot dip	hot dip	hot dip
PRODUCT CODE	T0500.324	T0500.424	T0500.524	T0501.500	T0500.624	T0501.600

P – WALK-THROUGH







Steel truss girders are used for suspensions over gate entrances, platforms, canopies, non standard scaffold structures, e.g. for scaffolds erected on construction brackets.

They comprise:

- the top and bottom chord - two horizontal tubes with outer diameter of 48.3 mm

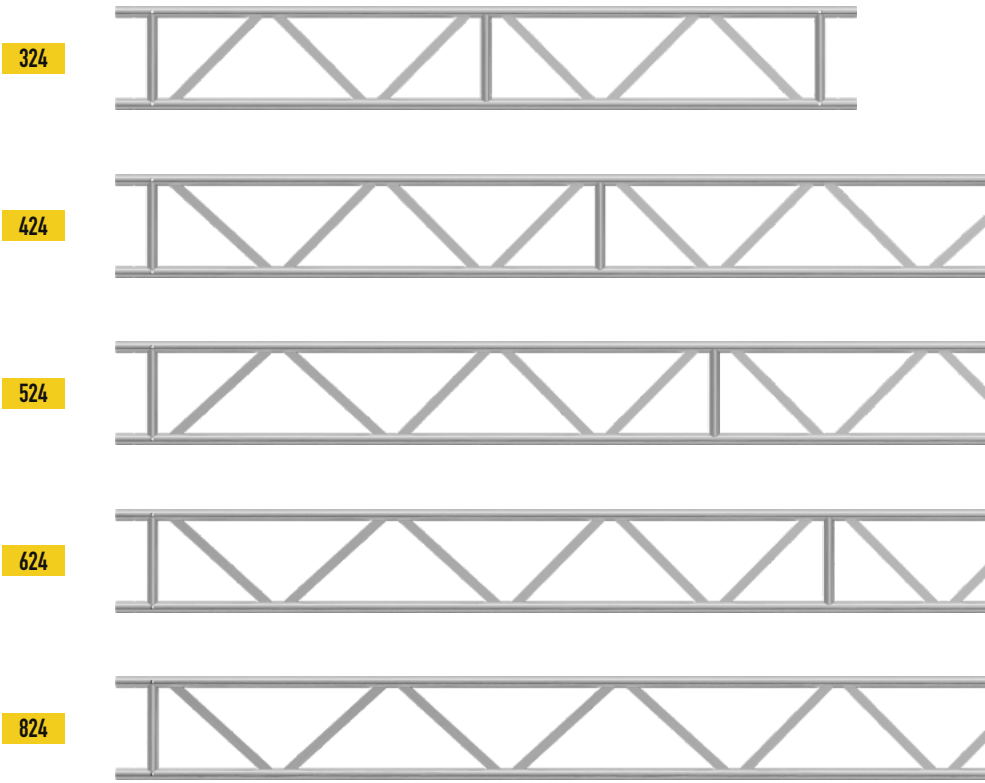
- vertical posts - made of tubes with outer diameter of 48.3 mm, connecting the top and bottom chord

- diagonal members

At both ends of the top and bottom chord there are holes for girder connection through **girder connectors**.

The application of 48.3 mm tube enables attachment of girders to the scaffold structure using standard cross couplers.

Aluminium girders



Aluminium truss girders are used for suspensions over gate entrances, platforms, canopies, non standard scaffold structures, e.g. for scaffolds erected on construction brackets. They comprise the following components made of special aluminium alloys:

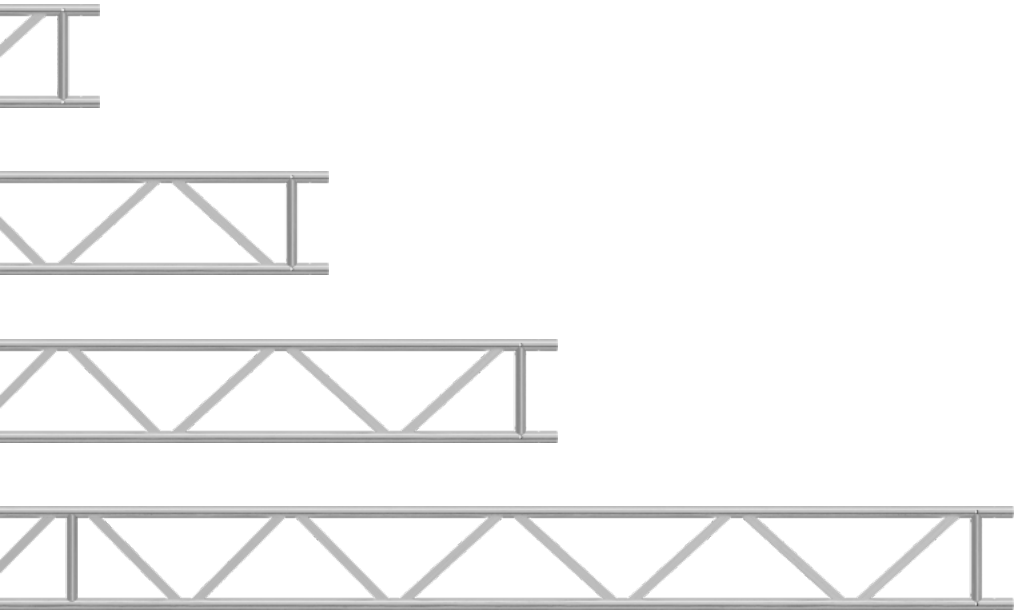
- the top and bottom chord - two horizontal tubes with outer diameter of 48.3 mm

- vertical posts - made of tubes with outer diameter of 48.3 mm, connecting the top and bottom chord

- diagonal members.

At both ends of the top and bottom chord there are holes for girder connection through **girder connectors**.

The application of 48.3 mm tube enables attachment of girders to the scaffold structure using standard cross couplers.



TECHNICAL PARAMETERS

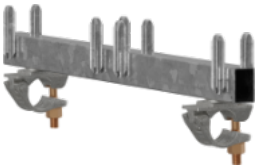
MODEL	324	424	524	624	824
SYSTEM LENGTH	3240 mm	4240 mm	5240 mm	6240 mm	8240 mm
SYSTEM HEIGHT	400 mm	400 mm	400 mm	400 mm	400 mm
DIMENSIONAL LENGTH	3240 mm	4240 mm	5240 mm	6240 mm	8240 mm
DIMENSIONAL HEIGHT	448 mm	448 mm	448 mm	448 mm	448 mm
WEIGHT	12,8 kg	16,5 kg	20,1 kg	23,8 kg	31,3 kg
PRODUCT CODE	T0502.324	T0502.424	T0502.524	T0502.624	T0502.824

Girder accessories

Among the complementary elements of the lattice girders, there are **traverses** and **girder connectors**.

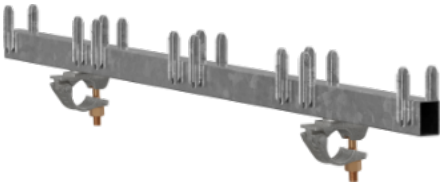
Girder transoms are used to build platforms in combination with truss girders - they are mounted on the top chord of the truss girder and attached by half-couplings. Depending on the size variety, they enable attachment of from two to six 320 mm wide decks.

The girder transom comprises a load-carrying beam, from 8 to 24 star pins (depending on the size) and two or three half-couplings.

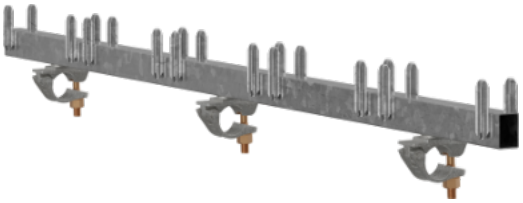


64

96



128

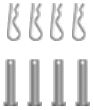


160

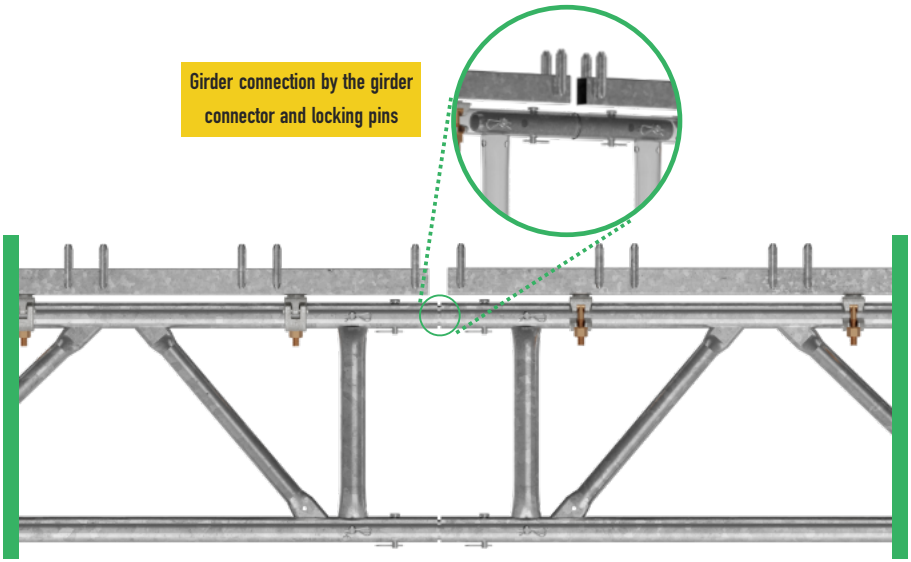
192

LD

Girder connectors are used for longitudinal connection of truss girders. They are made of tubes with 38 mm in outer diameter, and have 6 holes to connect girders using special locking pins or bolts and nuts.



Girder connection by the girder connector and locking pins



TECHNICAL PARAMETERS

MODEL	64	96	128	160	192	LD
SYSTEM LENGTH	640 mm	960 mm	1280 mm	1600 mm	1920 mm	--
DIMENSIONAL HEIGHT	170 mm	170 mm	170 mm	170 mm	170 mm	--
DIMENSIONAL LENGTH	636 mm	962 mm	1288 mm	1614 mm	1940 mm	415 mm
NUMBER OF 320 mm DECK	2	3	4	5	6	--
NUMBER OF HALF-COUPLINGS	2	2	2	3	3	--
WEIGHT	3,5 kg	4,8 kg	6,1 kg	7,9 kg	9,2 kg	2,3 kg
GALVANISING	hot dip	hot dip	hot dip	hot dip	hot dip	hot dip
PRODUCT CODE	T0508.64	T0508.96	T0508.128	T0508.160	T0508.192	T0503.041

Stairs

Each scaffold should have circulation shafts and ensure safe traffic and unobstructed access to workstations. This can be achieved by ladders in the deck area or by **stairs** (e.g. if there are high-intensity works in progress).

Aluminium stairs are used for vertical traffic on the scaffold. They can be used in the circulation shaft inside the scaffold and be used for a separate staircase to enter a structural member (e.g. roof of the building). They are made of aluminium alloys. They comprise two lateral profiles terminating with landings, with top and bottom beam with holes for mounting on the starting beam and scaffold frame.

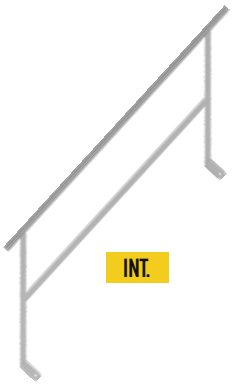
Nine steps (20 mm in depth and 200 mm in height) have special anti-slip pattern. The steps are typically made for bay heights of 2.0 m. The system is complemented by the so-called **starting stairs** which enable circulation up to 1 m. To ensure safe circulation, the stairs should be complemented by external and internal railing.

Steel starting beam is applied on two screw jacks and may be used for the mounting of decks or the bottom stair beam at level 0.

It comprises two tubes connected by a load-carrying beam (with 8 star pins) and a stud with a latch for diagonal bracing mounting.

TECHNICAL PARAMETERS

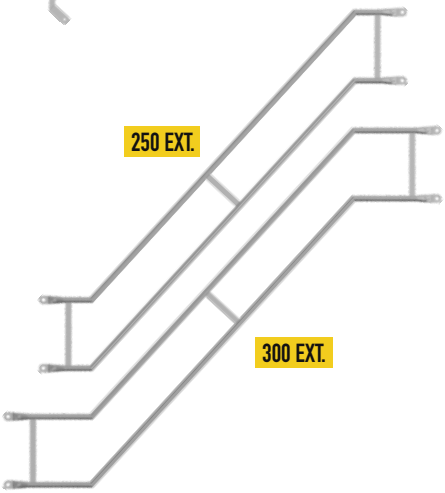
MODEL	BP 74	BP 106
SYSTEM WIDTH	739 mm	1065 mm
DIMENSIONAL HEIGHT	105 mm	105 mm
DIMENSIONAL WIDTH	907 mm	1233 mm
WEIGHT	3,5 kg	4,8 kg
GALVANISING	hot dip	hot dip
PRODUCT CODE	T1603.074	T1603.106



Aluminium internal rails of the stairs are used to ensure safe circulation on the stairs on the inside of the scaffold staircase.

They comprise two uprights terminating with clamps for mounting to the stair flight and two parallel tubes being the top rail and the bottom rail.

They constitute an all-purpose solution that can be used for system bay lengths of both 3000 mm and 2500 mm and level height of 2.0 m.



Aluminium external rails of the stairs are used to ensure safe circulation on the stairs on the outside of the scaffold staircase.

They comprise two parallel tubes matching the shape of the stairs and landings, flattened on the ends where there are holes for mounting on rods with latches of the frame uprights. The tubes (top rail and bottom rail) are connected by vertical posts.

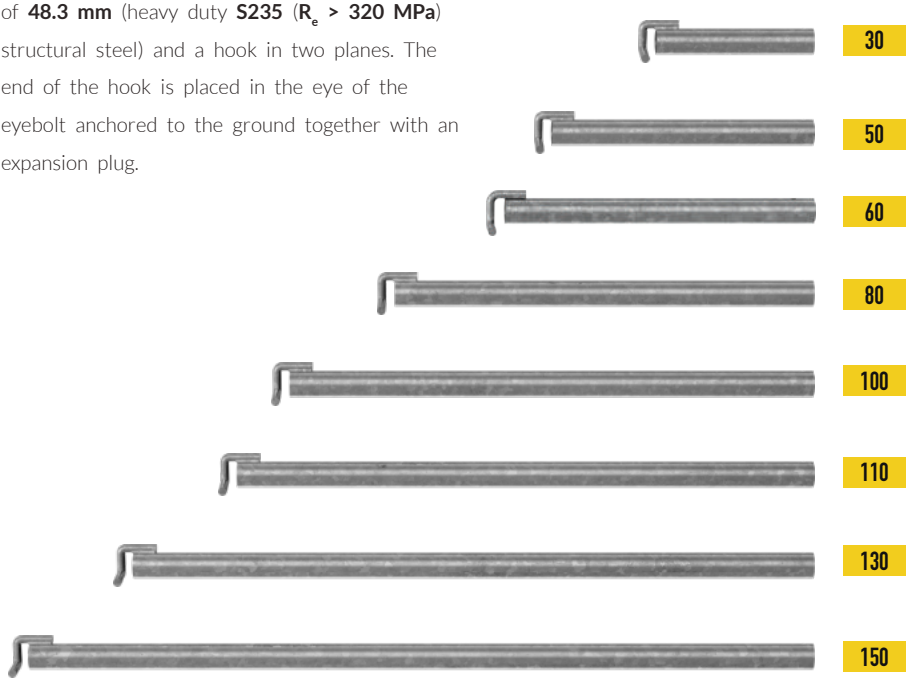
TECHNICAL PARAMETERS

MODEL	100	250	300	INT.	250 EXT.	300 EXT.
SYSTEM LENGTH	1000 mm	2451 mm	2951 mm	2500/3000 mm	2451 mm	2951 mm
SYSTEM HEIGHT	1000 mm	2000 mm	2000 mm	2000 mm	2000 mm	2000 mm
DIMENSIONAL LENGTH	1650 mm	3300 mm	3700 mm	2820 mm	3530 mm	3900 mm
DIMENSIONAL WIDTH	630 mm	630 mm	630 mm	790 mm	830 mm	1200 mm
CLEAR WIDTH	560 mm	560 mm	560 mm	--	--	--
LENGTH OF TOP LANDING	400 mm	350 mm	600 mm	--	--	--
LENGHT OF BOTTOM LANDING	--	300 mm	550 mm	--	--	--
WEIGHT	9,9 kg	19,5 kg	23,3 kg	4,2 kg	5,2 kg	6,0 kg
PRODUCT CODE	T1600.100	T1601.250	T1601.300	T1600.000	T1602.250	T1602.300

Anchoring

The scaffold is anchored to the structure by **anchors** - components that connect the scaffold with the anchor (**eye bolt**) - placed in the building or attached to it.

The anchor comprises a tube with outer diameter of **48.3 mm** (heavy duty **S235** (R_e **> 320 MPa**) structural steel) and a hook in two planes. The end of the hook is placed in the eye of the eyebolt anchored to the ground together with an expansion plug.

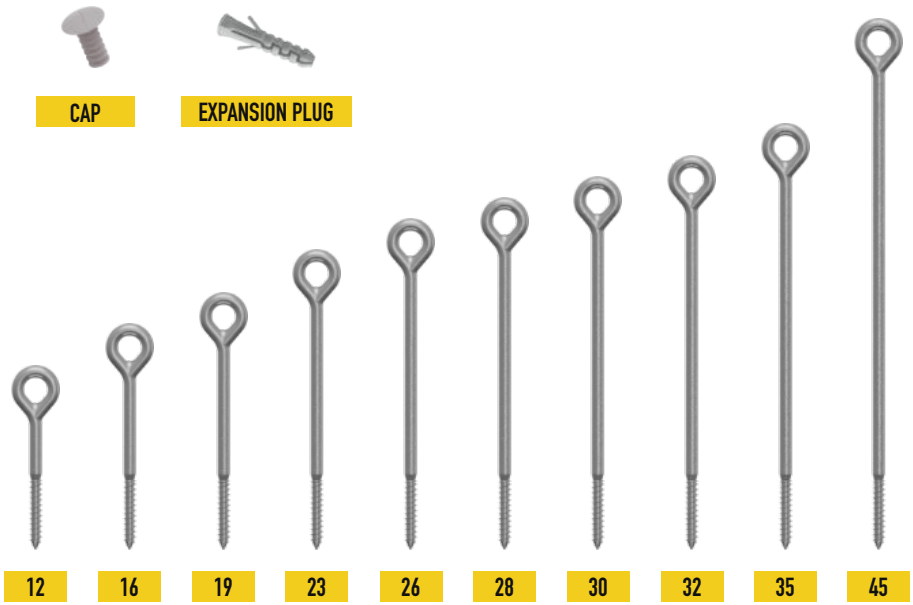


TECHNICAL PARAMETERS

MODEL	30	50	60	80	100	110	130	150
SYSTEM LENGTH	300 mm	500 mm	600 mm	800 mm	1000 mm	1100 mm	1300 mm	1500 mm
DIMENSIONAL LENGTH	330 mm	530 mm	630 mm	830 mm	1030 mm	1130 mm	1330 mm	1530 mm
WEIGHT	1,3 kg	1,9 kg	2,2 kg	2,9 kg	3,5 kg	3,8 kg	4,6 kg	5,3 kg
TUBE DIAMETER	48,3 mm	48,3 mm	48,3 mm	48,3 mm	48,3 mm	48,3 mm	48,3 mm	48,3 mm
GALVANISING	hot dip	hot dip	hot dip	hot dip	hot dip	hot dip	hot dip	hot dip
PRODUCT CODE	T0700.030	T0700.050	T0700.080	T0700.080	T0700.100	T0700.110	T0700.130	T0700.150

The eye bolt is made in class **4.8** and has outer diameter of **12 mm** and thread over 70 mm. At one end, there is a welded eye whose outer diameter is 23 mm. It is used as a set with an expansion plug whose outer diameter is **14 mm** and length is **70 mm**.

Flanged caps can be used to plug holes for the mounting of eye bolts (plug /flange diameter of 14 mm / 28 mm)



TECHNICAL PARAMETERS

MODEL	12	16	19	23	26	28	30	32	35	45
TOTAL LENGTH	170 mm	210 mm	240 mm	280 mm	310 mm	330 mm	350 mm	370 mm	400 mm	500 mm
ROD LENGTH	120 mm	160 mm	190 mm	230 mm	260 mm	280 mm	300 mm	320 mm	350 mm	450 mm
THREAD LENGTH	70 mm	70 mm	70 mm	70 mm	70 mm	70 mm	70 mm	70 mm	70 mm	70 mm
THREAD DIAMETER	12 mm	12 mm	12 mm	12 mm	12 mm	12 mm	12 mm	12 mm	12 mm	12 mm
EYE INNER DIAMETER	23 mm	23 mm	23 mm	23 mm	23 mm	23 mm	23 mm	23 mm	23 mm	23 mm
WEIGHT	0,17 kg	0,21 kg	0,23 kg	0,27 kg	0,29 kg	0,31 kg	0,33 kg	0,34 kg	0,37 kg	0,46 kg
GALVANISING	electropl.	electropl.	electropl.	electropl.	electropl.	electropl.	electropl.	electropl.	electropl.	electropl.
PRODUCT CODE	T0701.012	T0701.016	T0701.019	T0701.023	T0701.026	T0701.028	T0701.030	T0701.032	T0701.035	T0701.045

Spare parts

After each scaffold dismantling, all components should be inspected for wear and damage in order to separate worn and damaged components from those fit for further use. Minor repairs or replenishment of certain components by the user's own means is permitted, however the manufacturer offers the option of **comprehensive renewal** of the components at its production site.

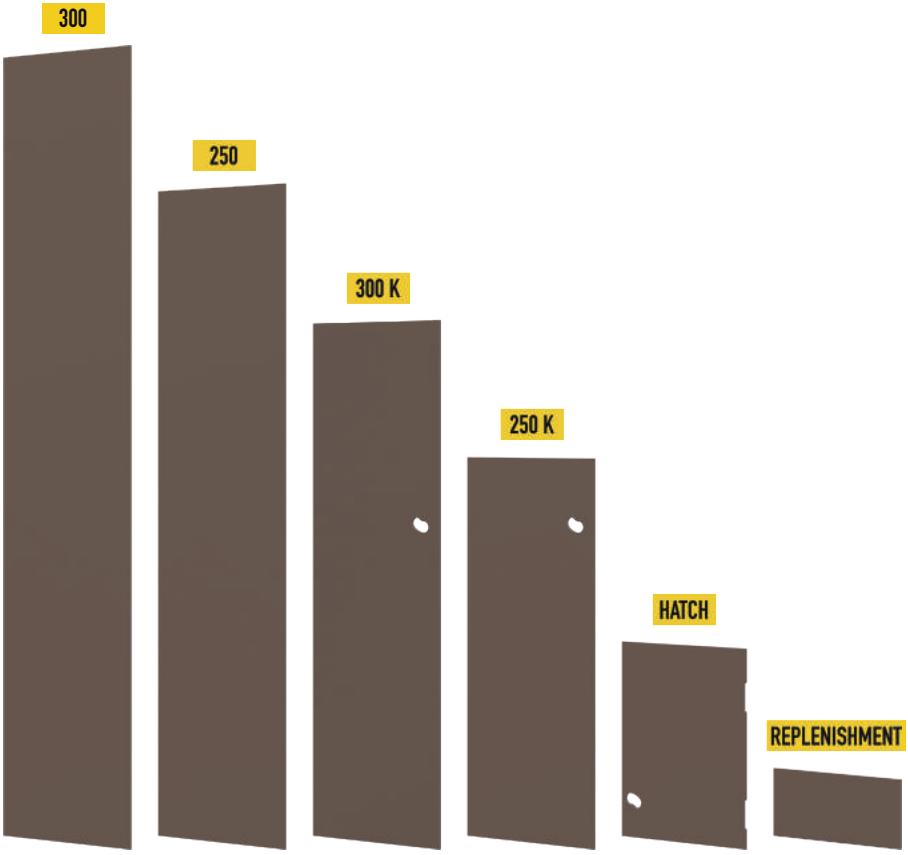
Aluminium ladders are integral parts of circulation decks, which are used in most scaffolds to ensure safe vertical circulation of staff members. If the ladder's rungs or rails are damaged, or there are cracks in the joints between its respective members, it should be replaced with a new item.

Latch + expansion plug - latches protect rails or braces against accidental decoupling. If they are missing or damaged, they should be replenished/replaced, because they greatly affect staff and structural safety. They are used in sets with expansion plugs.

Hatch / ladder lock - locks securing deck hatches and ladders, which also have a significant effect on handling safety and safe scaffold operation. If damaged, they should be absolutely replaced.

Circulation deck hinge - properly operating deck hatches ensure safe vertical transport on scaffolds, but also protect the user in horizontal transport on the respective levels. If the hatch does not work properly, it may result in falls from height. If the hinge is missing or damaged, the deck should be provided with properly working hinges.

Anti-slip plywood with single-side mesh pattern is an important accessory item of aluminium and plywood decks (working and circulation decks) and is subject to natural wear in day-to-day operation. If the aluminium frame is not damaged, replacement of the plywood with a new one enables continued operation of the decks.



TECHNICAL PARAMETERS

MODEL	300	250	300 K	250 K	HATCH	REPLENISHMENT
THICKNESS	10 mm	10 mm	10 mm	10 mm	10 mm	10 mm
WIDTH	575 mm	575 mm	575 mm	575 mm	566 mm	573 mm
LENGTH	2910 mm	2410 mm	1921 mm	1421 mm	720 mm	259 mm
APPLICATION	Sheeting of 300 working deck	Sheeting of 250 working deck	Sheeting of 300 circulation deck	Sheeting of 250 circulation deck	Circulation deck hatch	Replenishment of the circulation deck sheeting
PRODUCT CODE	T0805.300	T0805.250	T0806.300	T0806.250	T0806.072	T0806.026

Storage and warehousing pallets

Safe and rational transport and storage are an inherent challenge for scaffolding companies. **High bay pallets** can be used to successfully carry out these difficult tasks.

PALM1

Modular pallet is designed for transport and high stacking of e.g. tubes, frames, rails, diagonal braces or toeboards.

It is made of closed, square profiles, has uprights terminating with special pockets to enable safe stacking both in the warehouse and in transport. The structure of the pockets and the base enables the handling of these pallets using an overhead crane, mobile crane or forklift truck.

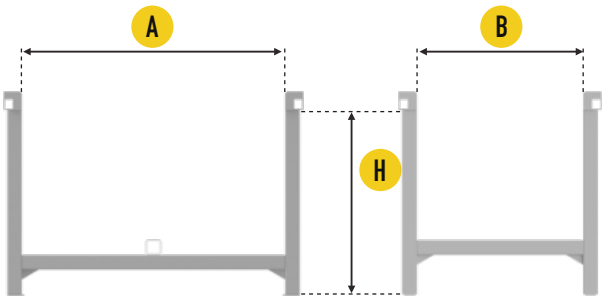
PALS1

Mesh pallet is used for the transport and storage of smaller scaffold components, in particular couplers, but also brackets and end rails.

Its structure is made of closed square profiles and steel mesh and timber bottom. Suitable heights of the head wall of the pallet, which is singificantly lower than the other walls, helps yese out the components even in the case of high stacking in the warehouse. The structure of the pallet enables safe handling by a forklift truck, mobile crane or overhead crane, as well as stacking.

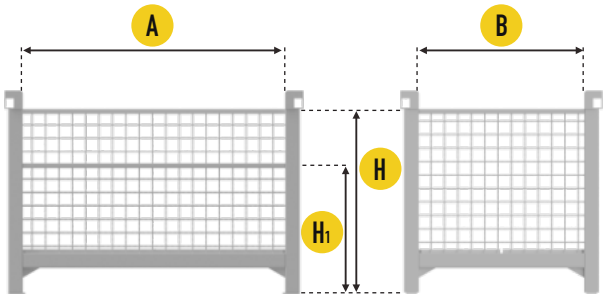
TECHNICAL PARAMETERS

MODEL	PALM1
WIDTH (A)	1080 mm
DEPTH (B)	680 mm
HEIGHT (H)	760 mm
WEIGHT	43,8 kg
GALVANISING	hot dip
PRODUCT CODE	T0917.008



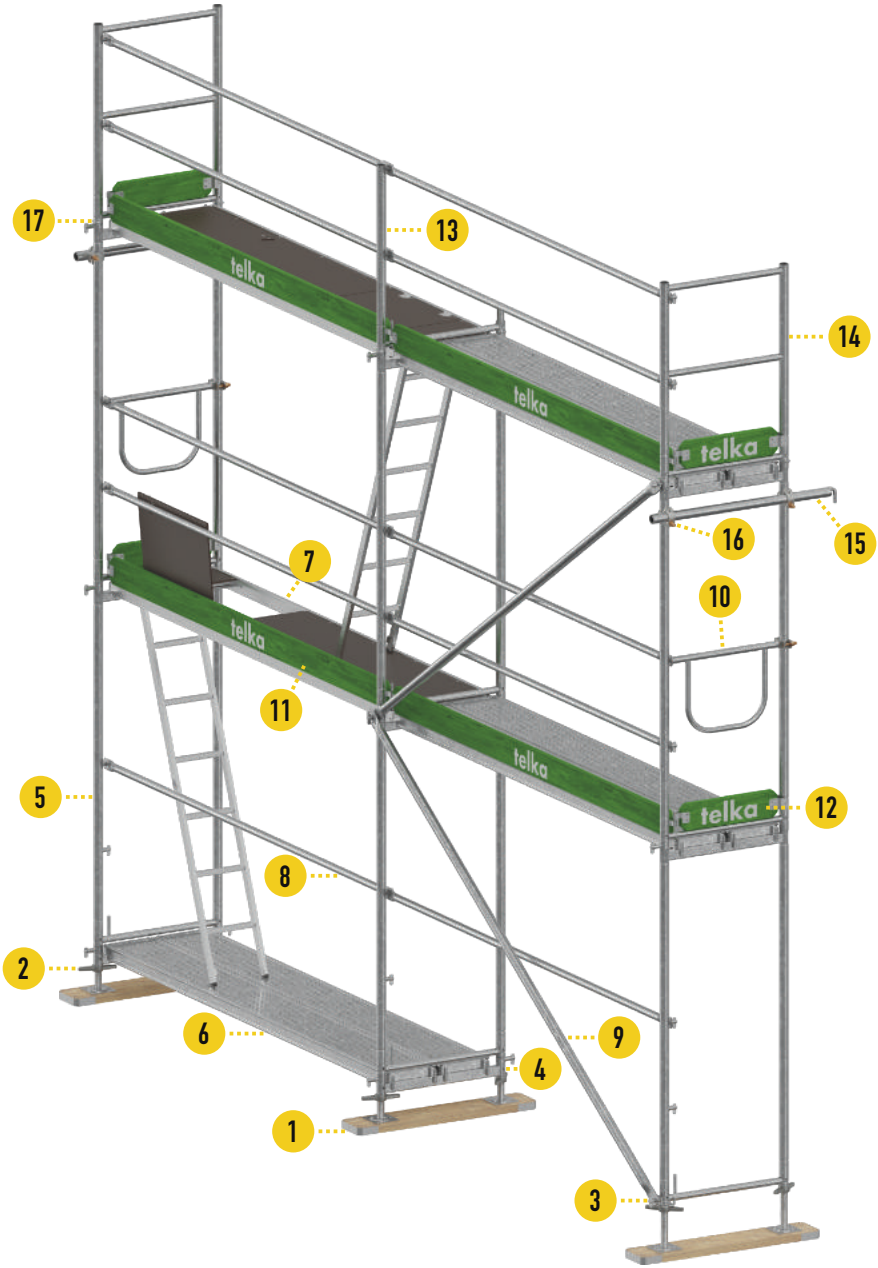
TECHNICAL PARAMETERS

MODEL	PALS1
WIDTH (A)	1080 mm
DEPTH (B)	680 mm
HEIGHT (H)	760 mm
HEIGHT (H1)	533 mm
WEIGHT	70,9 kg
GALVANISING	hot dip
PRODUCT CODE	T0917.010



Set No. #1

NUMBER	NAME	QTY OF ITEMS	PAGE
1	Timber sole plate with flashings	3	10
2	Screw jack 50	6	11
3	Bottom bracing coupling	1	29
4	Starting beam 74	2	56
5	Steel frame 200 x 74	6	12
6	Steel deck 300 x 32	6	22
7	Aluminium and plywood walk-through deck with a ladder 300 x 63	2	24
8	Steel rail 300	10	30
9	Diagonal bracing 300 x 200	2	28
10	End rail, double 74	2	32
11	Toeboard 300	4	36
12	End toeboard 74	4	36
13	Steel rail post with deck protection 100 x 74	1	39
14	End frame 74	2	40
15	Anchor 100	2	58
16	Right angle coupler	4	46
17	Locking pin	6	48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Product list

tFRAME | PIN74

	PRODUCT CODE	PRODUCT NAME	QUANTITY
SCAFFOLD FOUNDATION	T0000.110	Timber sole plate	
	T0001.110	Timber sole plate with flashings	
	T0002.040	Screw jack 400	
	T0002.050	Screw jack 500	
	T0002.060	Screw jack 600	
	T0002.080	Screw jack 800	
	T0002.100	Screw jack 1000	
	T0003.040	Screw jack 400 ERGO	
	T0003.050	Screw jack 500 ERGO	
	T0003.060	Screw jack 600 ERGO	
	T0003.080	Screw jack 800 ERGO	
	T0003.100	Screw jack 1000 ERGO	
	T0004.060	Screw jack 600 articulated	
FRAMES	T1100.050	Steel frame 50 x 74	
	T1100.100	Steel frame 100 x 74	
	T1100.150	Steel frame 150 x 74	
	T1100.200	Steel frame 200 x 74	
	T1101.200	Steel frame 200 x 74 |4P	
	T1102.150	Walk-through frame 240 x 150	
	T1102.180	Walk-through frame 240 x 180	
	T1103.200	Bypass frame 200 x 74	
	T1104.050	Steel frame 50 x 41	
	T1104.100	Steel frame 100 x 41	
	T1104.150	Steel frame 150 x 41	
	T1104.200	Steel frame 200 x 41	
	T1105.050	Aluminium frame 50 x 74	
	T1105.100	Aluminium frame 100 x 74	
	T1105.150	Aluminium frame 150 x 74	
	T1105.200	Aluminium frame 200 x 74	
	T1106.074	Frame 74 transom	
	T1106.106	Frame 106 transom	
	T1107.050	Steel frame 50 x 106	
	T1107.100	Steel frame 100 x 106	
	T1107.150	Steel frame 150 x 106	
	T1107.200	Steel frame 200 x 106	
DECKS	T1200.074	Timber deck 74 x 32	
	T1200.106	Timber deck 106 x 32	
	T1200.150	Timber deck 150 x 32	
	T1200.200	Timber deck 200 x 32	
	T1200.250	Timber deck 250 x 32	
	T1200.300	Timber deck 300 x 32	
	T1201.074	Steel deck ERGO 74 x 32	
	T1201.106	Steel deck ERGO 106 x 32	
	T1201.150	Steel deck ERGO 150 x 32	
	T1201.200	Steel deck ERGO 200 x 32	
	T1201.250	Steel deck ERGO 250 x 32	
	T1201.300	Steel deck ERGO 300 x 32	
	T1202.074	Steel deck STANDARD 74 x 32	
	T1202.106	Steel deck STANDARD 106 x 32	
	T1202.150	Steel deck STANDARD 150 x 32	
	T1202.200	Steel deck STANDARD 200 x 32	

	PRODUCT CODE	PRODUCT NAME	QUANTITY
DECKS	T1202.250	Steel deck STANDARD 250 x 32	
	T1202.300	Steel deck STANDARD 300 x 32	
	T1203.074	Steel deck HEAVY 74 x 32	
	T1203.106	Steel deck HEAVY 106 x 32	
	T1203.150	Steel deck HEAVY 150 x 32	
	T1203.200	Steel deck HEAVY 200 x 32	
	T1203.250	Steel deck HEAVY 250 x 32	
	T1203.300	Steel deck HEAVY 300 x 32	
	T1204.150	Alu-plywood circulation deck 150 x 63	
	T1204.200	Alu-plywood circulation deck 200 x 63	
	T1204.250	Alu-plywood circulation deck 250 x 63	
	T1204.300	Alu-plywood circulation deck 300 x 63	
	T1205.150	Alu-plywood circulation deck HEAVY 150 x 63	
	T1205.200	Alu-plywood circulation deck HEAVY 200 x 63	
	T1205.250	Alu-plywood circulation deck HEAVY 250 x 63	
	T1205.300	Alu-plywood circulation deck HEAVY 300 x 63	
	T1206.150	Alu-plywood deck 150 x 63	
	T1206.200	Alu-plywood deck 200 x 63	
	T1206.250	Alu-plywood deck 250 x 63	
	T1206.300	Alu-plywood deck 300 x 63	
	T1207.150	Alu-plywood deck HEAVY 150 x 63	
	T1207.200	Alu-plywood deck HEAVY 200 x 63	
	T1207.250	Alu-plywood deck HEAVY 250 x 63	
	T1207.300	Alu-plywood deck HEAVY 300 x 63	
	T1208.250	Alu circulation deck 250 x 63	
	T1208.300	Alu circulation deck 300 x 63	
	T1209.250	Alu circulation deck HEAVY 250 x 63	
	T1209.300	Alu circulation deck HEAVY 300 x 63	
	T1210.250	Alu deck 250 x 63	
	T1210.300	Alu deck 300 x 63	
	T1211.250	Alu deck HEAVY 250 x 63	
	T1211.300	Alu deck HEAVY 300 x 63	
BRACINGS	T0300.150	Diagonal bracing ERGO 150 x 200	
	T0300.200	Diagonal bracing ERGO 200 x 200	
	T0300.250	Diagonal bracing ERGO 250 x 200	
	T0300.300	Diagonal bracing ERGO 300 x 200	
	T0301.200	Diagonal bracing STANDARD 200 x 100	
	T0301.250	Diagonal bracing STANDARD 250 x 100	
	T0301.300	Diagonal bracing STANDARD 300 x 100	
	T0302.150	Diagonal bracing STANDARD 150 x 200	
	T0302.200	Diagonal bracing STANDARD 200 x 200	
	T0302.250	Diagonal bracing STANDARD 250 x 200	
	T0302.300	Diagonal bracing STANDARD 300 x 200	
	T1300.000	Bottom bracing clamp	
PROTECTION	T0400.074	Steel rail ERGO 74	
	T0400.106	Steel rail ERGO 106	
	T0400.150	Steel rail ERGO 150	
	T0400.200	Steel rail ERGO 200	
	T0400.250	Steel rail ERGO 250	
	T0400.300	Steel rail ERGO 300	
	T0401.074	Steel rail STANDARD 74	

Product list tFRAME | PIN74

	PRODUCT CODE	PRODUCT NAME	QUANTITY
PROTECTION	T0401.106	Steel rail STANDARD 106	
	T0401.150	Steel rail STANDARD 150	
	T0401.200	Steel rail STANDARD 200	
	T0401.250	Steel rail STANDARD 250	
	T0401.300	Steel rail STANDARD 300	
	T0402.150	Aluminium rail double 150	
	T0402.200	Aluminium rail double 200	
	T0402.250	Aluminium rail double 250	
	T0402.300	Aluminium rail double 300	
	T1400.074	Steel rail single 74	
	T1400.106	Steel rail single 106	
	T1401.074	Steel rail double 74	
	T1401.106	Steel rail double 106	
	T1402.074	End toeboard 74	
	T1402.106	End toeboard 106	
	T1403.074	Toeboard 74	
	T1403.106	Toeboard 106	
	T1403.150	Toeboard 150	
	T1403.200	Toeboard 200	
	T1403.250	Toeboard 250	
	T1403.300	Toeboard 300	
	T1404.100	Steel rail post 100	
	T1404.200	Steel rail post 200	
	T1405.100	Aluminium rail post 100	
	T1405.200	Aluminium rail post 200	
	T1406.100	Steel rail post with protection 100 x 74	
	T1406.200	Steel rail post with protection 200 x 74	
	T1407.100	Aluminium rail post with protection 100 x 74	
	T1407.200	Aluminium rail post with protection 200 x 74	
	T1408.074	End frame 74	
	T1408.106	End frame 106	
	T1409.074	End frame 74 | 4P	
	T1409.106	End frame 106 | 4P	
	T1410.074	Aluminium end frame 74	
	T1411.100	Steel rail post with protection 100 x 106	
	T1411.200	Steel rail post with protection 200 x 106	
GIRDERS AND BRACKETS	T0500.324	Steel truss girder 324	
	T0500.424	Steel truss girder 424	
	T0500.524	Steel truss girder 524	
	T0500.624	Steel truss girder 624	
	T0501.500	Steel truss walk-through girder 500	
	T0501.600	Steel truss walk-through girder 600	
	T0502.324	Aluminium truss girder 324	
	T0502.424	Aluminium truss girder 424	
	T0502.524	Aluminium truss girder 524	
	T0502.624	Aluminium truss girder 624	
	T0502.824	Aluminium truss girder 824	
	T0503.041	Girder connector	
	T1500.032	Bracket 32 without a pin	
	T1501.032	Bracket 32 with a pin and without a protection overlay	
	T1502.032	Bracket 32 with a pin and with a protection overlay	

	PRODUCT CODE	PRODUCT NAME	QUANTITY
GIRDERS AND BRACKETS	T1503.064	Bracket 64 with a pin	
	T1504.074	Bracket 74 with two pins	
	T1505.096	Bracket 96 with a pin	
	T1506.110	Bracket 110 with two pins	
	T1507.074	Bracket 74 support	
	T1507.110	Bracket 106 support	
	T1508.064	Girder 64 transom	
	T1508.096	Girder 96 transom	
	T1508.128	Girder 128 transom	
	T1508.160	Girder 160 transom	
	T1508.192	Girder 192 transom	
STAIRS	T0600.000	Aluminium internal stair rail	
	T1600.100	Starting stairs 100	
	T1601.250	Stairs 250	
	T1601.300	Stairs 300	
	T1602.250	Aluminium external stair rail 250	
	T1602.300	Aluminium external stair rail 300	
	T1603.074	Starting beam 74	
	T1603.106	Starting beam 106	
ANCHORING	T0700.030	Anchor 30	
	T0700.050	Anchor 50	
	T0700.060	Anchor 60	
	T0700.080	Anchor 80	
	T0700.100	Anchor 100	
	T0700.110	Anchor 110	
	T0700.130	Anchor 130	
	T0700.150	Anchor 150	
	T0701.012	Eye bolt 12	
	T0701.016	Eye bolt 16	
	T0701.019	Eye bolt 19	
	T0701.023	Eye bolt 23	
	T0701.026	Eye bolt 26	
	T0701.028	Eye bolt 28	
	T0701.030	Eye bolt 30	
	T0701.032	Eye bolt 32	
	T0701.035	Eye bolt 35	
	T0701.045	Eye bolt 45	
	T0702.014	Cap 14/28	
	T0703.014	Expansion plug 14/70 - 100pc.	
SPARE PARTS	T0800.000	Aluminium ladder	
	T0801.000	Latch	
	T0802.020	Expansion plug 5/20	
	T0803.000	Hatch lock	
	T0803.001	Ladder lock	
	T0804.000	Circulation deck hinge	
	T0805.250	Plywood 10 x 575 x 2410	
	T0805.300	Plywood 10 x 575 x 2910	
	T0806.026	Plywood 10 x 573 x 259	
	T0806.072	Plywood 10 x 566 x 720	
	T0806.250	Plywood 10 x 575 x 1421	
	T0806.300	Plywood 10 x 575 x 1921	

Product list tFRAME | PIN74

ACCESSORIES

PRODUCT CODE	PRODUCT NAME	QUANTITY
T0900.200	Steel ladder with hooks	
T0901.100	Steel pipe diameter 48.3 x 2.7 x 1000 galvanised	
T0901.200	Steel pipe diameter 48.3 x 2.7 x 2000 galvanised	
T0901.300	Steel pipe diameter 48.3 x 2.7 x 3000 galvanised	
T0901.400	Steel pipe diameter 48.3 x 2.7 x 4000 galvanised	
T0901.500	Steel pipe diameter 48.3 x 2.7 x 5000 galvanised	
T0901.600	Steel pipe diameter 48.3 x 2.7 x 6000 galvanised	
T0902.100	Steel pipe diameter 48.3 x 3.2 x 1000 galvanised	
T0902.200	Steel pipe diameter 48.3 x 3.2 x 2000 galvanised	
T0902.300	Steel pipe diameter 48.3 x 3.2 x 3000 galvanised	
T0902.400	Steel pipe diameter 48.3 x 3.2 x 4000 galvanised	
T0902.500	Steel pipe diameter 48.3 x 3.2 x 5000 galvanised	
T0902.600	Steel pipe diameter 48.3 x 3.2 x 6000 galvanised	
T0903.000	Right angle coupler	
T0903.001	Right angle coupler HEAVY	
T0904.000	Swivel coupler	
T0904.001	Swivel coupler HEAVY	
T0905.000	Sleeve coupler	
T0906.000	Toeboard coupler	
T0907.113	Parallel coupler 113	
T0907.160	Parallel coupler 160	
T0908.000	Rail coupler	
T0909.000	Centering pin	
T0910.000	T-head bolt with a hex nut	
T0911.000	Locking pin	
T0912.000	Clamp coupler	
T0913.000	Ratchet spanner	
T0914.251	Anti-dust protective net 250/1000	
T0914.252	Anti-dust protective net 250/2000	
T0914.301	Anti-dust protective net 300/1000	
T0914.302	Anti-dust protective net 300/2000	
T0915.004	Roofer protective net 4,5 x 4,5	
T0915.008	Roofer protective net 8 x 8	
T0915.010	Roofer protective net 10 x 10	
T0916.008	Modular pallet	
T0917.010	Mesh pallet	

Welding certificates

Our products comply with the latest safety standards, as confirmed by certificates awarded to us:

- compliance of the Site Production Control as per **EN 1090-2**,
- compliance with quality requirements for welding as per **PN-EN ISO 3834-2**,
- Welding Procedure Qualification Record (WPQR) as per **EN ISO 15613** and **EN ISO 15614-1**.

PN-EN ISO 3834-2:2007

CERTIFICATE

No. TSP-3834-527.00

Company

TELKA S.A.
ul. Warszawska 6, 56-400 Spalice, Poland

With production plant

TELKA S.A.
ul. Warszawska 6, 56-400 Spalice, Poland

fulfils the **quality requirements for fusion welding processes** acc.

PN-EN ISO 3834-2:2007

The range of approval is presented in the Annex.

The period of validity of certificate: from 18.05.2020 to 17.05.2025

Next surveillance audit until 13.05.2021 under the pain of expiry of the certificate.

Warsaw, date 18.05.2020

Artur Latwa
Director of Certification Centre

TÜV SÜD Polska Sp. z o.o.
ul. Podwale 17
00 – 252 Warszawa

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

EN 1090-1:2009+A1:2011

TÜV SÜD POLSKA Sp. z o.o.
ul. Podwale 17
00-252 WARSZAWA
NOTIFIED BODY No. 2527

CERTIFICATE OF CONFORMITY
OF THE FACTORY PRODUCTION CONTROL

No. 2527-CPR-1A.418.00

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

STEEL STRUCTURAL COMPONENTS

welded execution class up to EXC2
conformity declaration method: 1, 3a according to EN 1090-1:2009+A1: 2011
declared performance characteristics proved by the manufacture on the basis of initial type testing (ITT)

placed on the market under the name or trade mark of:

TELKA S.A.
ul. Warszawska 6, 56-400 Spalice, Poland

and produced in the manufacturing plant(s):

TELKA S.A.
ul. Warszawska 6, 56-400 Spalice, Poland

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard (-s)

EN 1090-1:2009+A1:2011

under system 2+ are applied and that

the factory production control is assessed to be in conformity with the applicable requirements.

This certificate was first issued on 18.05.2020 and will remain valid as long as neither the harmonized standard, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body.

Next surveillance audit until 13.05.2021 under the pain of expiry of the certificate.

Warsaw, date 19th of May 2020

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Notified Body

Artur Latwa
Director of Certification Centre

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Notes

Notes

Map with directions

telka SA | Warszawska 6, 56-400 Spalice, Poland, Taxpayer ID PL5272699318, Company registration numner 0000639842, Statistical ID 146843350

www.telka-britain.co.uk +48 71 399 99 99