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Modular Scaffolding

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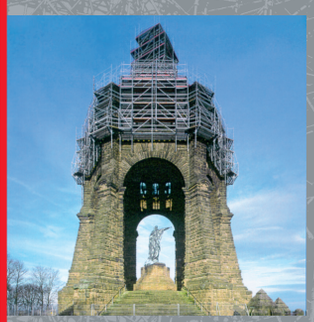

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The modular scaffolding-system assco futuro

New dimensions in the environment of professional and cost-effective scaffolding.
The fully approved modular scaffold system assco futuro meets all requirements of EN 12810.

The key success
The futuro junction contains the socked plate with eight specially formed openings to employ up to eight wedge connection heads. Both socket plate and connection head are optimised by FEM (finite-element-method). Doing this, both shape and material thickness of socket plate and connection heads are improved with the result that with less weight of components load capacity and rigidity of the system are increased.
The socket plate, which contains eight specially formed openings capable of taking up to eight ledgers/diagonals was tension-optimised by FEM (finite-element-method). Shape and material thickness of all socket plate items could be improved by this not even to meet the required applied loads with less weight but also to increase the rigidity of the system.

Industrial scaffolding
A most flexible assembly even in areas where access is restricted because of pipe work or cables.

Renovation and restoration works
An optimised multi purpose adaption to historic buildings, churches and sculptures with their irregularities is possible.

Maintenance and assembly on ships and aircrafts
Effective work at the convex shape of ships in an economic way also using suspended scaffoldings or independent scaffoldings.

Other applications for assco futuro
Stair Towers
Birdcage Scaffoldings
Extended Working Platforms
Independent Scaffoldings
Emergency Support
Public Events
Flood-Protection

Quality and safety
Tremendous high quality standards characterise the whole modular system. In house inspection, third party supervision and the requirements of DIN EN ISO 9001, latest standard, guarantee best performance in advantage for the customer.
For a long durability all steel items are produced with a hot-dip galvanised finish.

The relevant individual regulations and generally recognised codes of practice must always be observed.
These are in particular:
- the German Approval
- the EN 12811-1
- Industrial safety regulations as well as further regulations

Scaffolding parts should be checked before use.

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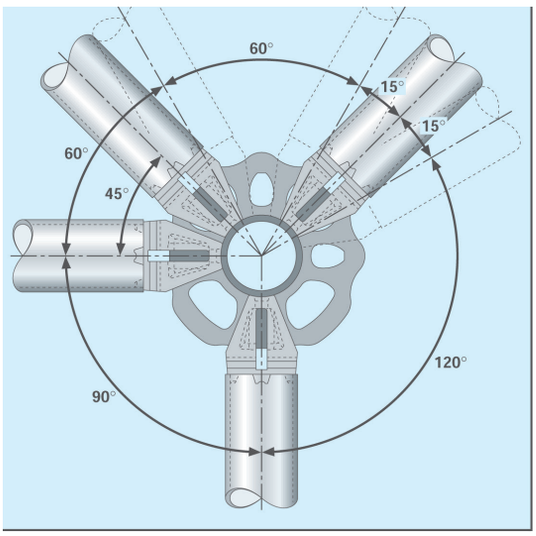
Abbrevation:

H	= Height
L	= Length
W	= Width
LH	= Lift Height
BL	= Bay Length
SW	= System Width
PQ	= Package Quantity
LC	= Load Class

Eight holes – but no handicap



- up to eight connections per joint
- option to attach horizontals at right angles with high accuracy at the required level
- free choice of angles between horizontals by using large or small connection gaps
- load transfer aligned to axes with positive connections
- the flat shape of the connection plate means no mortar, dirt, ice, grit, blasting debris etc. can accumulate
- high joint load capacity and stiffness
- can be adapted to suit any plan shape and form of construction by using the variable connection options, the choice of spans available and freely selectable scaffold height increments of 50 cm

Right angles – if you want them

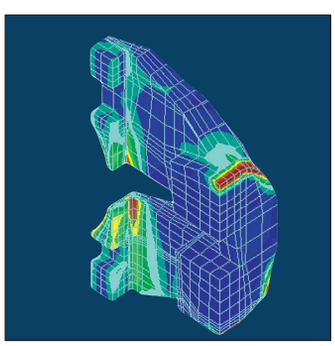
The use of the small connection gaps for connecting horizontals allows a 90° angle to be created between them – essential for certain users. The larger gaps allow angles between 30° and 60°. These options allow practically any angle to be set and shape form of construction to be scaffolded.

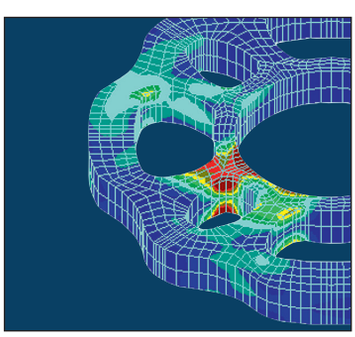
Our measure:

Bay width:	73 cm, 109 cm
Bay length:	73 cm, 109 cm, 140 cm, 157 cm, 207 cm, 257 cm, 307 cm, 414 cm

More mathematics for less weight

The use of finite element methods (FEM) on a three-dimensional model allows material shapes and thicknesses to be optimised to meet the required applied loads. This produced the sinusoidal shape and weight savings of 10%. This is associated with clear advantages in erection, safety in use, joint stiffness and storage space requirements.





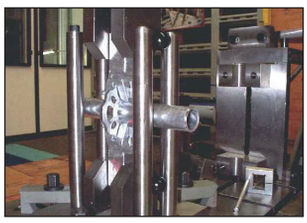
Increase in bending moment and shear length

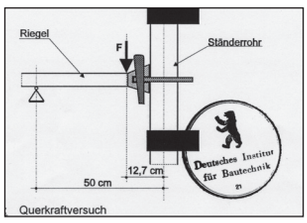
Using FEM analysis, the height of connection heads as well as the shape and thicknesses were optimised to produce higher reserves of safety. The resultant higher load capacity pays off particularly for scaffolds used under demanding conditions.

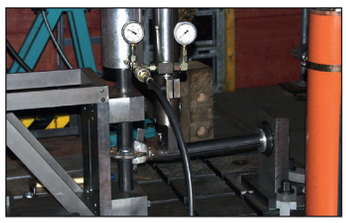
Functional versatility

To deal with diverse scaffolding projects economically, you will need a wide range of decking.

assco futuro scaffolding has the right type of decking available for every job. Tough hot-dip galvanised steel decking, full aluminium and aluminium plywood decks – all can be used in construction and in industry.

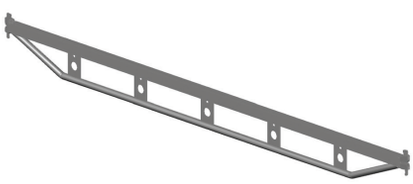




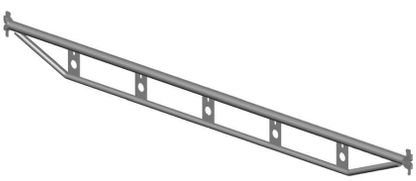


Quality is our best product

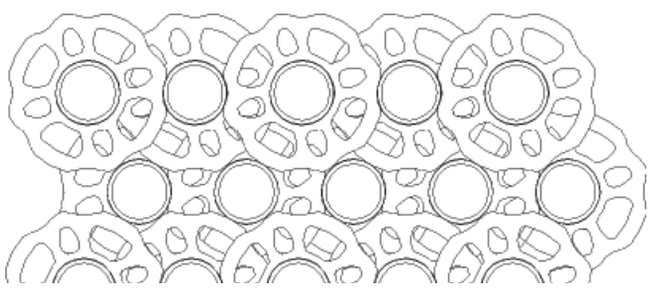
In addition to third party inspection of manufacturing by a named test-laboratory, our in-hose supervision guarantees a sustainable high standard of quality and with that, the safety of the owners and users, through extensive load capacity tests, using our own testing facilities.



U-Double ledger for use with U-Support



Double ledger for use with Tubular-Support



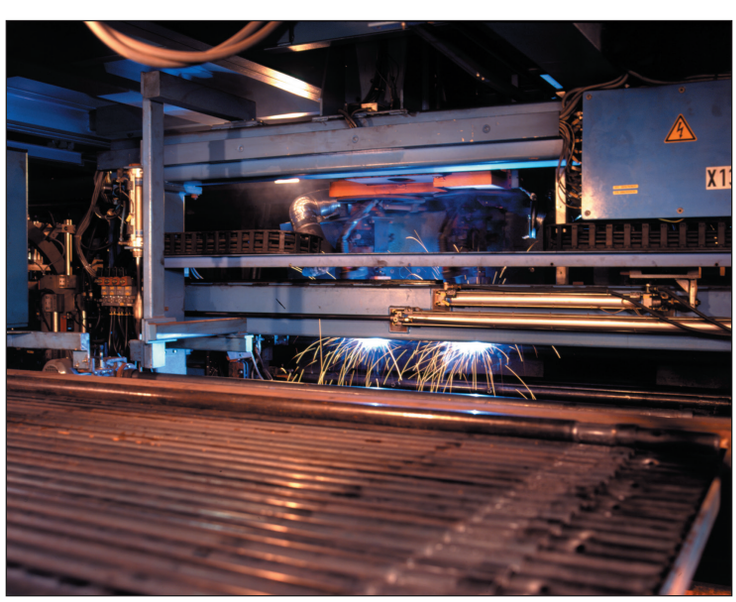
Simpler storage

As well as the advantages during assembly and its high reserves of safety, the new shape of the socket plates at the assco futuro modular scaffold also has storage benefits. The stacked volume of the standards is about 5% smaller and the higher resistance to rolling makes storage more secure.

Two approvals for one knot

assco futuro is the innovative Modular scaffolding system with two knot approvals of the German Institut für Bautechnik, Berlin. The approval Z-8.22-841 commits the erection of the exclusive modular scaffold assco futuro; the approval Z-8.22.855 regulates the erection with elements approved by Z-8.22-64. assco futuro is approved in several European countries and meet all requirements of EN 12810.

You can't test quality into a product; it has to be produced. A high automated production with modern welding robots assures a production at the highest level.



Vertical Standards

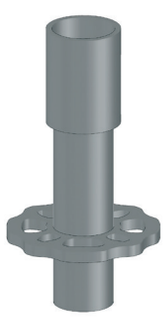
Vertical Standard w/ pressed in Spigot

48,3 mm Ø steel tube with connecting discs at 50 cm height intervals along total length. 8 connections per disc are possible. Holes at both ends of standard enable joint to be secured.

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	**Vertical Standard**			
	5FMPP01000	50 L	3,2	50
	5FMPP01001	100 L	5,4	50
	5FMPP01002	150 L	7,7	50
	5FMPP01003	200 L	9,9	50
	5FMPP01004	250 L	12,1	50
	5FMPP01005	300 L	14,4	50
	5FMPP01006	400 L	18,8	50

Starting Collar

With single rosette. Placed over base jack and enables an easier basing out of the scaffold before longer standards are used to build the scaffold to required height.

Article	Code	Dimensions (cm)	Weight (kg)	
	**Starting Collar**			
	5F00319000	23 L	1,5	
	5FMPP02001	43 L	2,5	◷

Base Standard

Distance of the first disc from the bottom of the standard is identical to starting collar (56 mm), enabling the base standard to be employed, where starting collars are not required, but where base ledgers must be assembled as low as possible.

Article	Code	Dimensions (cm)	Weight (kg)	PQ	
	Base Standard				
	5FMPP01504	66 L	4,2	50	
	5FMPP01500	116 L	6,5	50	
	5FMPP01501	216 L	11,0	50	
	5FMPP01502	316 L	15,4	50	
	5FMPP01503	416 L	19,9	50	

Vertical Standard w. bolted Spigot

Similar to vertical standard but with bolted in connecting spigot as opposed to pressed in. Used when building requires suspended scaffolds. Complete with spigot assembled with two bolts.

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	Vertical Standard w. bolted Spigot			
	5FMPP03500	50 L	3,9	50
	5FMPP03501	100 L	6,5	50
	5FMPP03502	150 L	8,7	50
	5FMPP03503	200 L	11,0	50
	5FMPP03504	250 L	13,2	50
	5FMPP03505	300 L	15,4	50
	5FMPP03506	400 L	19,9	50

Vertical Standard w/o Spigot

Supplied without connecting spigot. Enables assembly of head jacks or other supplementary components.

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	**Vertical Standard w/o Spigot**			
	5FMPP03507	50 L	2,2	50
	5FMPP03508	100 L	4,5	50
	5FMPP03509	150 L	6,7	50
	5FMPP03510	200 L	8,9	50
	5FMPP03511	250 L	11,2	50
	5FMPP03512	300 L	13,4	50
	5FMPP03513	400 L	17,9	50

Connecting Spigot

To be bolted into vertical standards w/o spigots and fixed with bolts and nuts.

Article	Code	Dimensions (cm)	Weight (kg)
	**Connecting Spigot for Vertical Standard**		
	5FMPP11100 complete with two bolts and nuts	52 L	2,0

Suspended Scaffold Connector

Designed to realize tension resistant connections between two standards where bolting is not possible. Consists of two wedge connections joined by tension bar at 50 cm intervals.

Article	Code	Dimensions (cm)	Weight (kg)
	**Suspended Scaffold Connector**		
	5FMPP23000	50 L	3,0

Horizontals

Ledger

With wedge connection heads at both ends. Used in different lengths as support for ledger decks or standard scaffold planks as well as guard rails and to reinforce the scaffold.

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	**Ledger**			
	5FMPP02590	15 L	1,1	50
	5F00304042	42 L	2,0	50
	5F00304073	73 L	3,0	50
	5F00304104	104 L	3,9	50
	For stair tower with steel staircase W=75 cm and landing with 73x207 cm bay			
	5F00304109	109 L	4,1	50
	5FMPP02520	129 L	5,0	50
	5F00304140	140 L	5,4	50
	5F00304154	154 L	5,5	50
	For stair tower with heavy load staircase and stair tread 125 cm			
	5F00304157	157 L	5,6	50
	5F00304207	207 L	7,2	50
	5F00304257	257 L	8,8	50
	5F00304307	307 L	10,3	50
	5F00304414	414 L	13,7	50

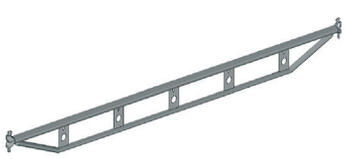
Reinforced Ledger, Tubular-Support

For supporting bigger loads in combination with ledger decks.

Article	Code	Dimensions (cm)	Weight (kg)	PQ	
	**Reinforced Ledger**				
	5F00305109	109 L	7,0	50	
	5F00305129	129 L	8,0	50	
	For stair towers with steel staires W95				
	5F00305140	140 L	8,7	50	◷

Double Ledger Tubular-Support

Designed to support scaffold decks if large bay areas are required, alternatively to support scaffold in case of spanning obstructions.

Article	Code	Dimensions (cm)	Weight (kg)	PQ	
	**Double Tra´nsom Tubular-Support**				
	5F00307014	140 L	8,9	30	◷
	5F00307015	157 L	9,9	30	
	5F00307020	207 L	13,1	30	
	5F00307025	257 L	16,2	30	
	5F00307030	307 L	19,4	30	

Intermediate Ledger

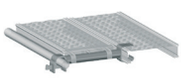
Connected to ledgers by means of U-profile hooks in order to shorten the free space within a scaffold bay. Scaffold bay can then be partially decked with system decks or scaffold planks.

Article	Code	Dimensions (cm)	Weight (kg)	
	**Intermediate Ledger**			
	5F00309073	73 L	3,9	
	5F00309109	109 L	5,1	
	5F00309140	140 L	6,2	
	5F00309157	157 L	6,8	

Intermediate Deck Transom Tubular-Support

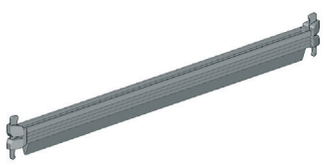
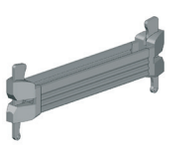
Transom can be supported by decks and used with shorter decks to provide an opening in the middle of the scaffold platform in the deck-to-deck version. In the ledger-to-deck version it can provide an opening at the edge.

Article	Code	Dimensions (cm)	Weight (kg)	
 	**Intermediate Deck Transom, Deck to Deck Version**			
	5FMPP25000 1-deck	48 L	2,7	
	5FMPP25001 2-deck	81 L	3,8	
	5FMPP25002 3-deck	113 L	5,0	

Article	Code	Dimensions (cm)	Weight (kg)	
 	**Intermediate Deck Transom, Ledger to Deck Version**			
	5FMPP24500 1-deck	50 L	2,7	◷
	5FMPP24501 2-deck	83 L	3,8	◷
	5FMPP24502 3-deck	115 L	5,0	◷

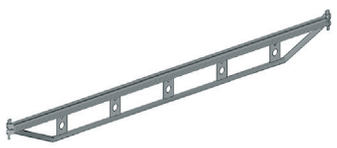
Reinforced Transom, U-Support

To support quadro decks at wider scaffold bays.

Article	Code	Dimensions (cm)	Weight (kg)	PQ	
	**Reinforced Transom, U-Support**				
	5F00306104	104 L	6,3	50	◷
	5F00306109	109 L	6,6	50	
	5F00306129	129 L	7,7	50	◷
	5F00306140	140 L	8,3	50	
	5F00306154	154 L	9,0	50	
 	**Transom, U-Support**				
	5F00306042	42 L	2,2	50	
	5F00306073	73 L	3,1	50	
	5F00303109	109 L	4,4	50	
	5F00303129	129 L	5,1	50	
	5F00303140	140 L	5,5	50	
	5F00303154	154 L	6,0	50	

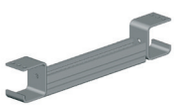
Double Ledger U-Support

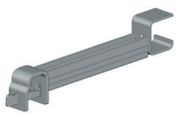
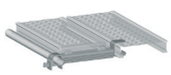
With additional reinforcing tube taking bigger loads, for the use of standard quadro decks at the modular system.

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	**Double Transom, U-Support**			
	5F00307157	157 L	9,8	30
	5F00307207	207 L	13,0	30
	5F00307257	257 L	16,1	30
	5F00307307	307 L	19,2	30

Intermediate Deck Transom, U-Support

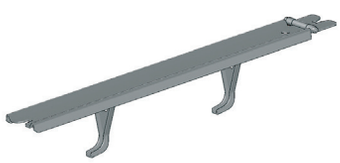
Equipped with U-shaped headfittings to fix them to decks or ledgers to support shorter decks. Deck-to-deck transoms are equipped with two similar headfittings. Ledger-to-deck transoms are at one side supported by a deck and at the other side by a ledger

Article	Code	Dimensions (cm)	Weight (kg)	
 	**Intermediate Deck Transom, U-Support, Deck to Deck Version**			
	5FA1104703 1-deck	48 L	2,3	
	5FA1104704 2-deck	81 L	3,4	
	5FA1104705 3-deck	113 L	4,5	

Article	Code	Dimensions (cm)	Weight (kg)	
 	**Intermediate Deck Transom, U-Support, Ledger to Deck Version**			
	5FA1104700 1-deck	50 L	2,7	◷
	5FA1104701 2-deck	83 L	3,8	◷
	5FA1104702 3-deck	115 L	4,9	◷

Deck Retainer U-Support

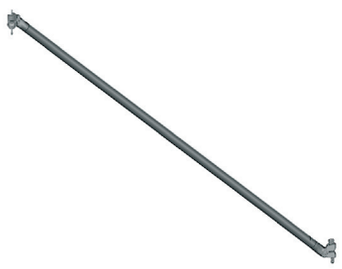
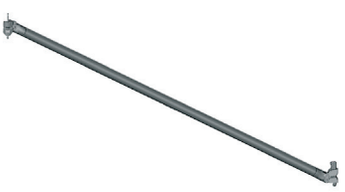
For protection against lifting of system decks with U-Support. The integrated wedge locks the deck retainer in place.

Article	Code	Dimensions (cm)	Weight (kg)	
	**Deck Retainer, U-Support**			
	5F00308036	39 L	0,7	◷
	5F00308073	73 L	1,3	
	5F00308109	109 L	1,9	
	5F00308140	140 L	5,4	
	5F00308154	154 L	6,0	◷
	5F00308157	157 L	6,1	
	5F00308207	207 L	8,1	
	5F00308257	257 L	10,2	
	5F00308307	307 L	12,2	

Bracing

Vertical Brace futuro

Steel tube Ø 48,3 mm with turnable wedge connecting heads. Designed to reinforce the scaffold vertically.

Article	Code	Dimensions (cm)	Weight (kg)	PQ	
	**Vertical Brace futuro H200** for system height 200 cm				
	5F00310073	73 L	8,2	50	
	5F00310109	109 L	8,5	50	
	5F00310140	140 L	9,0	50	◷
	5F00310157	157 L	9,3	50	
	5F00310207	207 L	10,3	50	
	5F00310257	257 L	11,4	50	
	5F00310307	307 L	12,6	50	
	**Vertical Brace futuro H150** for system height 150 cm				
	5F00311206	157 L	8,1	50	◷
	5F00311243	207 L	9,2	50	◷
	5F00311285	257 L	10,5	50	◷
	5F00311328	307 L	11,8	50	◷
	**Vertical Brace futuro H100** for system height 100 cm				
	5F00311136	109 L	6,0	50	◷
	5F00311129	129 L	6,4	50	◷
	5F00311154	154 L	7,0	50	
	5F00311173	157 L	7,1	50	◷
	5F00311216	207 L	8,4	50	◷
	5F00311262	257 L	9,8	50	◷
	5F00311308	307 L	11,2	50	

Article	Code	Dimensions (cm)	Weight (kg)	PQ	
	**Vertical Brace futuro H50** for system height 50 cm				
	5F00311151	157 L	6,4	50	◷
	5F00311198	207 L	7,8	50	◷
	5F00311247	257 L	9,3	50	◷
	5F00311296	307 L	10,9	50	◷

Horizontal Brace

48 mm Ø tube with wedge connection heads. Increases the rigidity of the scaffold in the horizontal plane. Used in "bird cage" scaffolds where no system decks have to be assembled.

Article	Code	Dimensions (cm)	Weight (kg)	PQ	
	**Horizontal Brace futuro**				
	5F00313400	109 W x 207 L	8,1	50	◷
	5F00313401	157 W x 207 L	8,9	50	◷
	5F00313402	73 W x 257 L	9,2	50	◷
	5F00313403	109 W x 257 L	9,6	50	◷
	5F00313404	157 W x 257 L	10,3	50	◷
	5F00313405	207 W x 257 L	11,2	50	◷
	5F00313406	73 W x 307 L	10,8	50	◷
	5F00313407	109 W x 307 L	11,1	50	◷
	5F00313408	157 W x 307 L	11,7	50	◷
	5F00313409	207 W x 307 L	12,5	50	◷
	5F00313410	257 W x 307 L	13,4	50	◷

Plane Brace Ledger

48,3 mm Ø steel tube with wedge connection heads at both ends. The plane brace ledger is assembled to the scaffold by means of wedge connections and as such can be used to increase the horizontal rigidity of the scaffold.

Plane Brace Ledger

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	5F00314157	157 W x 157 L	7,7	50
	5F00314207	207 W x 207 L	10,0	50
	5F00314257	257 W x 257 L	12,2	50
	5F00304434	307 W x 307 L	14,5	50

Decks and Panels

Steel Ledger Deck Tubular-Support

Perforated sheet steel, hot-dip galvanised finish with forged connecting claws. Designed to suit all ledgers, double ledgers, lattice girders and side brackets that have a 48,3 mm Ø tube as support. With integrated deck retainer. Decks are available in width of 32 cm, 24 cm and 14 cm (plettac contur), 32 cm and 19 cm (assco futuro).

Steel Ledger Deck W32, Tubular-Support

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	5F00734073	7,6 H x 73 L	7,2	6	39/52
	5F00734109	7,6 H x 109 L	9,3	6	39/52
	5F00734140	7,6 H x 140 L	11,2	6	39/52
	5F00734157	7,6 H x 157 L	12,3	6	39/52
	5F00734207	7,6 H x 207 L	15,3	6	39/52
	5F00734257	7,6 H x 257 L	18,3	5	39/52
	5F00734307	7,6 H x 307 L	21,3	4	39/52

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	**Steel Ledger Deck W19, Tubular-Support**				
	5F00732109	7,8 H x 109 L	7,3	6	39/52
	5F00732157	7,8 H x 157 L	9,5	6	39/52
	5F00732207	7,8 H x 207 L	11,7	6	39/52
	5F00732257	7,8 H x 257 L	14,1	5	39/52
	5F00732307	7,8 H x 307 L	16,4	4	39/52

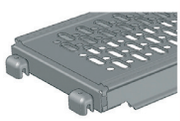
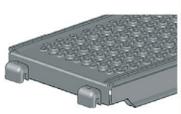
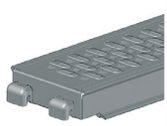
Alu Access Deck futuro Tubular-Support

Alu Access Deck with high quality full aluminium surface. Alu frame with solid galvanized claws for tubular-support at both ends.

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	**Alu Access Deck futuro W64 w Alu Surface and Ladder**			
	5F00736011	257 L	29,0	10
	5F00736012	307 L	32,6	10

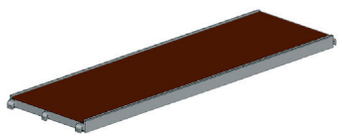
Steel Deck U-Support

The easy to handle perforated steel decks are extremely non-skid and safe. Depending on the length the max. capacity of these decks is load class 6. The decks should be checked before use. The 19 cm steel filler decks will be used to close gaps at wider bays.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
 	**Steel Deck quadro W32, light**				
	5F00701088	7,6 H x 73 L	5,9	6	36
	5F00701089	7,6 H x 109 L	8,1	6	36
	5F00701094	7,6 H x 140 L	10,0	6	36
	5F00701090	7,6 H x 157 L	11,0	6	36
	5F00701091	7,6 H x 207 L	14,0	6	36
	5F00701092	7,6 H x 257 L	17,1	5	36
	5F00701093	7,6 H x 307 L	20,1	4	36
 	**Steel Deck quadro W32, round hole**				
	5F00702088	7,6 H x 73 L	6,2	6	36
	5F00702089	7,6 H x 109 L	8,6	6	36
	5F00702090	7,6 H x 157 L	11,8	6	36
	5F00702091	7,6 H x 207 L	15,2	6	36
	5F00702092	7,6 H x 257 L	18,5	5	36
	5F00702093	7,6 H x 307 L	21,8	4	36
	5F00702094	7,6 H x 414 L	29,3	3	36
 	**Steel Deck quadro W19**				
	5F00702100	7,8 H x 109 L	6,6	6	60
	5F00702101	7,8 H x 157 L	8,8	6	60
	5F00702102	7,8 H x 207 L	11,1	6	60
	5F00702103	7,8 H x 257 L	13,4	5	60
	5F00702104	7,8 H x 307 L	15,7	4	60

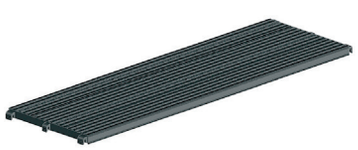
Alu Frame Deck U-Support

Frame Deck SL with full aluminium surface or high-quality, molder-resistant and water-proof plywood surface according to BFU 100 G. Alu frame with solid aluminium claws for U-support. The decks should be checked before use.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	**Alu Frame Deck quadro W61 w Plywood Surface**				
	5F00703145	7,3 H x 73 L	6,1	3	10
	5F00703146	7,3 H x 109 L	8,4	3	10
	5F00703147	7,3 H x 157 L	11,9	3	10
	5F00703148	7,3 H x 207 L	15,5	3	10
	5F00703149	7,3 H x 257 L	18,7	3	10
	5F00703150	7,3 H x 307 L	24,0	3	10

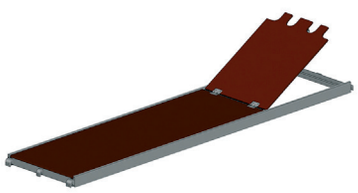
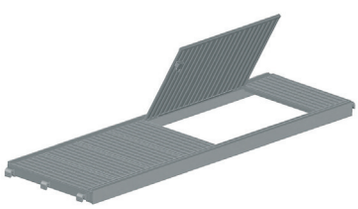
Alu Deck U-Support

Aluminium extrusion profile with aluminium connecting claws for U-support. Width = 61 cm. The Alu-Decks are stackable due to welded fittings.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ	
	**Alu Deck Protec W61, U-Support, non-perforated**					
	5F00703390	5,4 H x 73 L	6,4	6	30	
	5F00703391	5,4 H x 109 L	8,9	6	30	
	5F00703392	5,4 H x 140 L	11,0	6	30	◷
	5F00703393	5,4 H x 157 L	12,2	6	30	
	5F00703394	5,4 H x 207 L	15,7	6	30	
	5F00703395	5,4 H x 257 L	19,2	5	30	
	5F00703396	5,4 H x 307 L	22,7	4	30	

Alu Access Deck U-Support

Access deck U-support with full aluminium surface or high-quality, molder resistant and water-proof plywood surface according to BFU 100 G. Alu frame with solid aluminium claws for U-Support. Available with integrated or separate ladder. The decks should be checked before use.

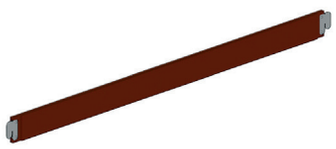
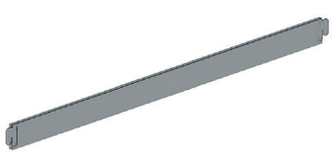
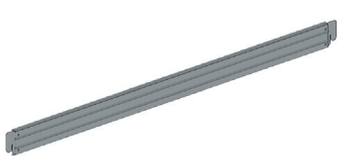
Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	**Alu Access Deck quadro W61 w Plywood Surface and Ladder**				
	5F00703151	7,3 H x 257 L	23,3	3	10
	5F00703152	7,3 H x 307 L	28,5	3	10
	**Alu Access Deck quadro W61 w Plywood Surface w/o Ladder** can be combined with internal ladder quadro				
	5F00703249	7,3 H x 157 L	12,2	3	10
	5F00703250	7,3 H x 207 L	16,0	3	10
	5F00703251	7,3 H x 257 L	19,1	3	10
	5F00703252	7,3 H x 307 L	24,4	3	10
	**Alu Access Deck quadro W64 w Alu Surface w/o Ladder**				
	5F00703610	8,1 H x 207 L	17,0	4	10

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	**Alu Access Deck quadro W64 w Alu Surface and Ladder**				
	5F00703611	8,1 H x 257 L	23,5	4	10
	5F00703612	8,1 H x 307 L	27,0	3	10
	**Steel Internal Ladder quadro** for 1 lift				
	5F00512105	35 W x 215 L	9,0		25
	**Alu Internal Ladder quadro**				
	5F00513600	35 W x 215 L	4,1		25

Side Protection

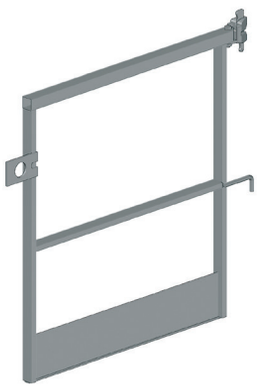
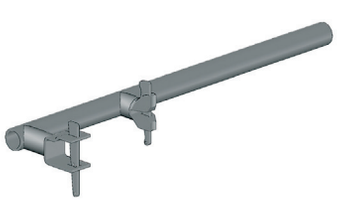
Timber Toeboard futuro

Timber toeboards are assembled at platform height and complete the required three part side protection. The toeboards are fixed between wedge and standard of the modular scaffold.

Article	Code	Dimensions (cm)	Weight (kg)	PQ	
	**Toeboard for futuro Decks**				
	5F00315073	15 H x 73 L	1,6	70	
	5F00315109	15 H x 109 L	2,3	70	
	5F00315140	15 H x 140 L	2,8	70	
	5F00315157	15 H x 157 L	3,1	70	
	5F00315207	15 H x 207 L	4,1	70	
	5F00315257	15 H x 257 L	5,0	70	
	5F00315307	15 H x 307 L	5,9	70	
	5F00315414	15 H x 414 L	7,9	70	
	**Alu Toeboard for futuro Decks**				
	5F00316073	15 H x 73 L	1,0		
	5F00316109	15 H x 109 L	1,4		
	5F00316157	15 H x 157 L	1,9		
	5F00316207	15 H x 207 L	2,4		
	5F00316257	15 H x 257 L	3,0		
	5F00316307	15 H x 307 L	3,5		
	**Steel Toeboard for futuro Decks**				
	5F00326073	15 H x 73 L	2,2	70	
	5F00326109	15 H x 109 L	3,1	70	
	5F00326140	15 H x 140 L	3,9	70	
	5F00326157	15 H x 157 L	4,3	70	
	5F00326207	15 H x 207 L	5,6	70	
	5F00326257	15 H x 257 L	6,9	70	
	5F00326307	15 H x 307 L	8,2	70	

Safety Gate

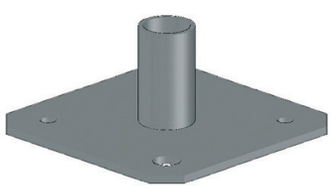
Enables safe access to scaffold bays where external ladder access has to be assembled.

Article	Code	Dimensions (cm)	Weight (kg)	
	**Safety Gate with wedge head**			
	5FMPP70000	100 H x 73/74 W	7,5	
	5FMPP70001	100 H x 100/109 W	12,3	
	**Guard Rail Post for Safety Gate** to be connected to two ledgers			
	5FMPP29500	160 H	8,1	◷
	**Ladder Support for Safety Gate** to be connected to standard and ledger			
	5FMPP30000	92 L	5,0	◷

Base Plates

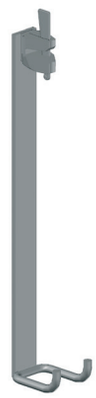
Base Plate

A number of base plates in various lengths are available to compensate uneven scaffold foundations. The base plates thread is rounded to allow the wing nut to be quickly screwed up or down, whilst also making cleaning easier. It is important to note that 25 % of the base plates length or at least 15 cm should always be in the scaffold standard.

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	**Base Plate** tubular spindle with round thread fitted with wing nut and 15x15 cm base plate			
	5FSOG59006	40 H	2,9	250
	5FSOG59007	60 H	3,6	200
	5FSOG59008	80 H	4,3	200
	5FSOG59004 follow static calculation	110 H	4,8	200
	5FSOG60000 tilting	78 H	6,0	200
	**Base Plate w/o Vertical Adjustment**			
	5FSOG48000	15 W x 15 L	1,1	

Fixation for Base Plate

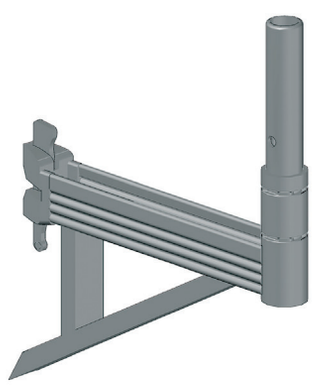
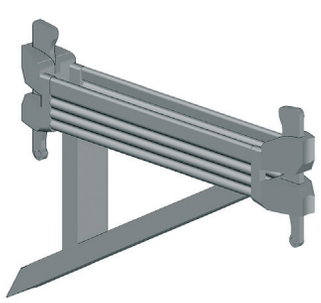
Used to secure base plates when lifting scaffold with crane.

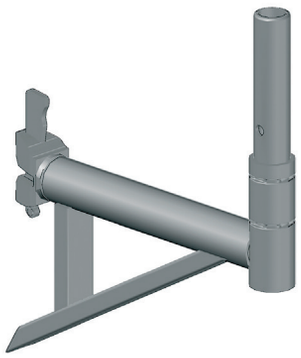
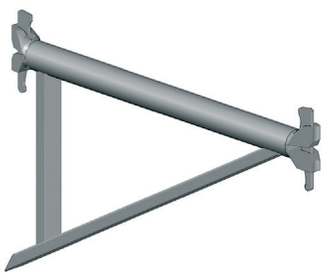
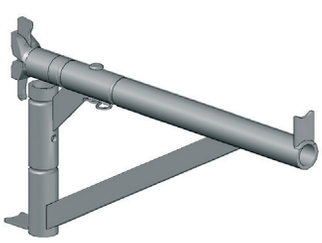
Article	Code	Dimensions (cm)	Weight (kg)
	**Fixation for Base Plate**		
	5FMPP22000	60 L	3,1

Side Brackets

Side Bracket U-Support

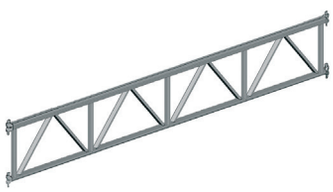
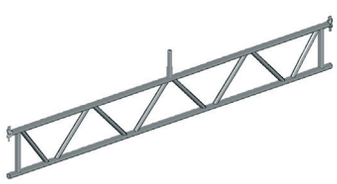
To support quadro decks support with an integrated brace to extend the scaffold.

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	**Side Bracket futuro, U-Support w/ connecting spigot**			
	5F00317036	39 L	3,9	30
	**Side Bracket futuro, U-Support** w. two connection heads			
	5F00317019	19 L	1,3	30
	5F00317136	42 L	2,6	30
	5F00317150	50 L	3,0	30
	5F00317173	73 L	5,2	30
	5F00317210	109 L	10,0	30

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	**Side Bracket futuro, Tubular Support w/ connecting spigot**			
	5F00317236	39 W	3,9	
	5F00317373	73 W	5,9	
	**Side Bracket futuro, Tubular Support**			
	5F00317273	73 W	4,9	
	5F00317209	109 W	9,7	
	**Variable Bracket futuro, U-Support, 1-deck, 2-decks**			
	5F00317473	39 H x 73 W	5,5	
	**Variable Bracket futuro, Tubular-Support, 1-deck-2-decks**			
	5FMPP36500	41 H x 75 W	5,6	

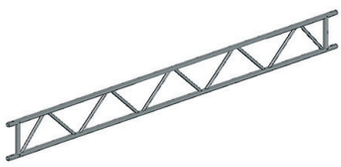
Steel Lattice Girder futuro

Steel lattice girder futuro with spans up to 614 cm are used for bridging spans, working platforms and other special applications. With wedges to fix to vertical standards. Available with upper chord as tube Ø 48,3 mm or U-profile.

Article	Code	Dimensions (cm)	Weight (kg)	PQ	
	**Steel Lattice Girder, futuro, H50, U-Support** with 4 wedge heads				
	5F00604207	50 H x 207 L	24,1	10	
	5F00604257	50 H x 257 L	29,7	10	
	5F00604307	50 H x 307 L	37,1	10	
	5F00604414	50 H x 414 L	49,2	10	
	5F00604514	50 H x 514 L	58,2	10	
	5F00604614	50 H x 614 L	69,1	10	
	**Steel Bridging Beam futuro, H40, Tubular-Support** with 2 wedge heads and a tube connector at the upper chord				
	5F00603414	40 H x 414 L	40,4	10	◷
	5F00603514	40 H x 514 L	49,3	10	
	5F00603614	40 H x 614 L	58,2	10	

Steel-Lattice Girder

Lattice girders in lengths up to 820 cm for bridging spans, cantilevering out, designing platforms and other special applications. Connection to scaffold by means of double couplers only. Reinforcing braces are fixed in distances of 50 cm. Height = 45 cm.



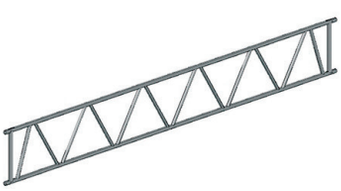
Steel Lattice Girder H40

axle distance 40 cm, height 45 cm, steel tube Ø 48,3 mm, loading tables on demand, girders may be extended by using connection spigots

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	5FSOG84500	40 H x 320 L	30,3	10
	5FSOG84501	40 H x 420 L	39,2	10
	5FSOG84502	40 H x 520 L	48,2	10
	5FSOG84503	40 H x 620 L	57,1	10
	5FSOG84504	40 H x 770 L	71,2	10
	5FSOG84505	40 H x 820 L	75,7	10

Heavy Load Lattice Girder

Lattice girders in lengths of up to 700 cm. Similar design to the normal lattice girder but with a bigger height to enable the beam to carry more load. The heavy load lattice girders form the main support for the plettac modular roof. Height = 75 cm.



Heavy Duty Lattice Girder H70

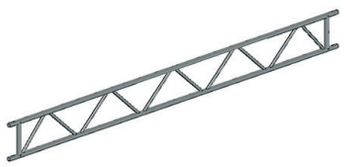
axle distance 70 cm, height 75 cm, steel tube Ø 48,3 mm, loading tables on demand, girders may be extended by using connection spigots

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	5FMOD06500	70 H x 300 L	33,4	10
	5FSOG35003	70 H x 400 L	43,1	10
	5FSOG35002	70 H x 500 L	52,9	10
	5FSOG35001	70 H x 600 L	62,6	10
	5FSOG35000	70 H x 700 L	73,2	10

Alu Lattice Girder

Same as steel lattice girder but aluminium. Height = 45 cm.

Article	Code	Dimensions (cm)	Weight (kg)	PQ



Alu Lattice Girder H40

axle distance 40 cm, height 45 cm, aluminium tube Ø 48,3 mm, loading tables on demand, girders may be extended by using connection spigots

5FSOG85000	40 H x 320 L	12,6	10
5FSOG85001	40 H x 420 L	16,3	10
5FSOG85002	40 H x 520 L	19,9	10
5FSOG85003	40 H x 620 L	23,6	10
5FSOG85004	40 H x 770 L	29,4	10
5FSOG85005	40 H x 820 L	31,2	10

Alu Decking Rail U-Support

The alu decking rails U-support are fitted to the length of the lattice girders to create flat working areas with standard decks.

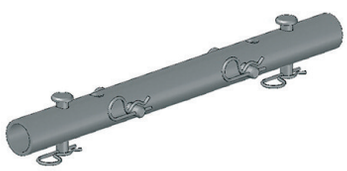
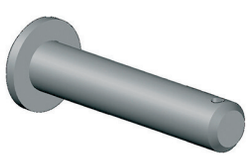
Article	Code	Dimensions (cm)	Weight (kg)

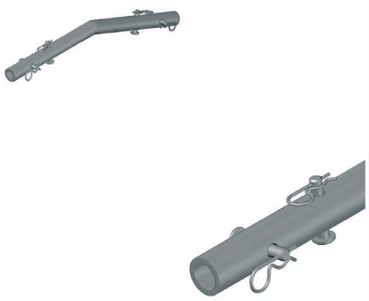
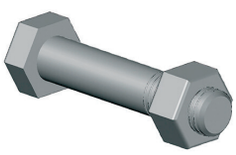
Alu Decking Rail quadro w. Half Couplers

5F00606301 19 A/F	300 L	7,3
5F00606401 19 A/F	400 L	9,5
5F00606501 19 A/F	500 L	11,7
5F00606601 19 A/F	600 L	13,9

Connecting Spigot for Lattice Girder

These connection spigots are used to extend or connect lattice girders. Two spigots are required to form a butt joint. The spigots are inserted inside the tube ends and are secured by using 4 bolts with spring clips. Alternative use of special bolt with self securing nut is possible. Curved connection spigots are available to form a ridge joint for roof constructions.

Article	Code	Dimensions (cm)	Weight (kg)
	**Connecting Spigot Straight for Lattice Girder**		
	5FSOG02101 inclusive 4 connection bolts and spring clips per spigot		2,2
	**Bolt Ø 12 mm for Connection Spigot for Lattice Girder**		
	3ZBOL01200	6 L	0,1
	**Circlip Ø 3,2 mm for Connection Spigot for Lattice Girder**		
	3ZFED10007	10 L	

Article	Code	Dimensions (cm)	Weight (kg)	
	**Connecting Spigot Curved for Lattice Girder** inclusive 4 connection bolts and spring clips per spigot for lattice girder H40 to create a 10° pitch			
	5FSOG41000 formed for the upper chord		3,5	◷
	5FSOG41001 formed for the lower chord		2,8	◷
	**Bolt M 12 x 70 w/ Nut**			
	3ZSES01203		0,1	

Connecting Spigot for U-Lattice Girder

For the erection of vertical standards on top of transoms or beams with U-profile. Complete with 2 screws and nuts.

Article	Code	Dimensions (cm)	Weight (kg)	
	**Support Spigot for Lattice Girder**			
	5F00324002		2,2	

Article	Code	Dimensions (cm)	Weight (kg)
	**Special Bolt M 8x 75 w. Nut**		
	5F00324005		

Support Spigot

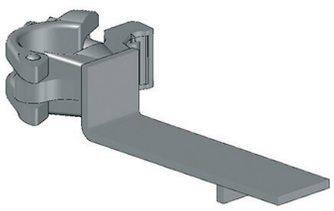
Designed to enable foundation for standards. This spigot can be assembled on tubes Ø 48,3 mm. Choice of welded on half coupler or wedge connection.

Article	Code	Dimensions (cm)	Weight (kg)
	**Support Spigot for Ledger w. coupler**		
	5FMPP10002 19 A/F	30 L	1,6
	5FMPP10000 22 A/F	30 L	1,6
	**Support Spigot for Ledger w. wedge joint**		
	5FMPP10001	36 L	2,1

Alu Bridge

Aluminium bridges with a lengths of up to 10 m are designed for bridging spans and to build ceiling scaffolds. Post brackets are available for use with guard rail posts, system guard rails and toeboards to provide the necessary three part side protection. The requirements per railing connection are: 1 guard rail post, 1 post bracket, 1 tie rod, 2 wing nuts. The aluminium bridge must be secured against lifting. It is not permitted to continue scaffold off aluminium bridges.

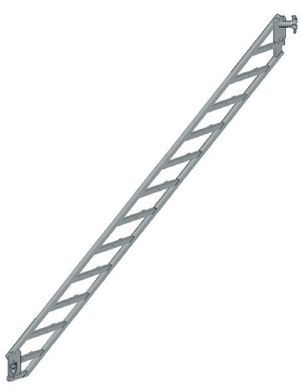
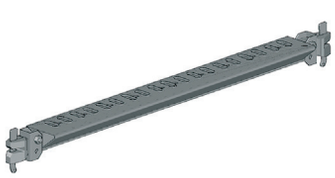
Article	Code	Dimensions (cm)	Weight (kg)	PQ
	**Alu Bridge**			
	2,0 kN/m² capacity. Bridges longer than 616 cm: 1,5 kN/m² capacity			
	5FSOG74004	60 W x 412 L	23,9	5
	5FSOG74003	60 W x 512 L	27,5	5
	5FSOG74002	60 W x 612 L	39,1	5
	5FSOG74001	60 W x 812 L	66,1	5
	5FSOG74000	60 W x 1012 L	82,2	5
	**Post Bracket**			
	5FSOG46000		1,2	
	**Tie Rod**			
	7FAST08000 80 for 1 aluminium bridge	80 L	1,2	
	7FAST14000 140 for 2 aluminium bridges	140 L	2,0	
	7FAST20000 200 for 3 aluminium bridges	200 L	2,9	◷

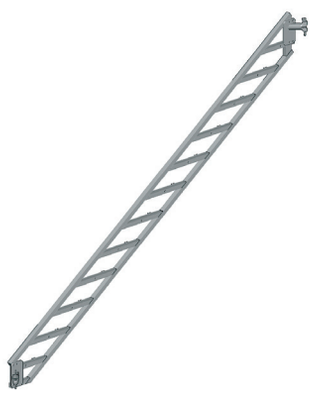
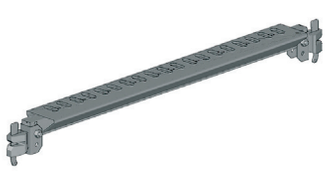
Article	Code	Dimensions (cm)	Weight (kg)	PQ
	**Wing Nut**			
	5FFLM10001		0,4	
	**Deck Retainer**			
	5FKUP45502		1,0	
	**Special Post Bracket** allows a system independent arrangement of guard rails. Made up of:			
	5F00491001 guard rail post	122 L	2,0	
	5F00491002 post clip		0,4	
	5F00491003 clip		0,4	

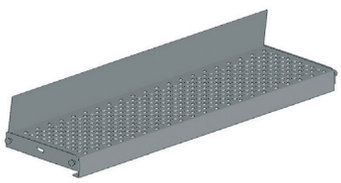
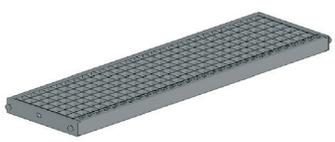
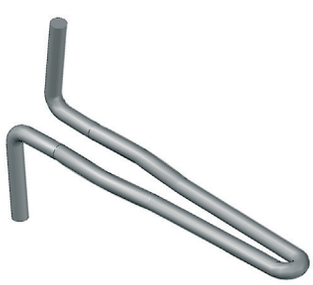
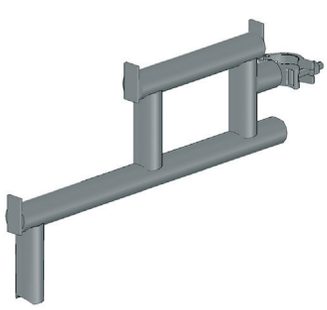
Staircases

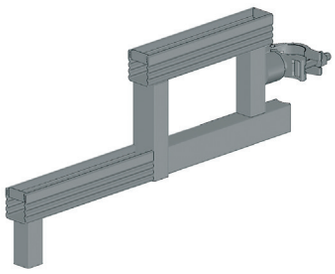
Heavy Load Staircase

The staircase is assembled using left and right hand side stair stringers in combination with special stair treads secured with clips. Platform ledgers close the gap between the stair treads and upper and lower landing. The staircase rises 200 cm in a 307 cm bay. Stair treads are available for two widths: 100 cm with a load capacity of 7,50 kN/m² and 125 cm with a load capacity of 5,00 kN/m².

Article	Code	Dimensions (cm)	Weight (kg)	
	**Stair Stringer futuro H100, Tubular-Support** for combination with ledger decks at landing			
	5F00300015 right hand side	150 L	17,5	
	5F00300016 left hand side	150 L	17,5	
	**Stair Stringer futuro H200, Tubular-Support** for combination with ledger decks at landing			
	5F00300002 right hand side	307 L	31,9	
	5F00300001 left hand side	307 L	31,9	
	**Platform Ledger futuro, Tubular-Support** for combination with ledger decks at landing			
	5F00300009	129 L	8,1	
	5F00300011	154 L	10,7	◷

Article	Code	Dimensions (cm)	Weight (kg)
	**Stair Stringer futuro H100, U-Support** for combination with quadro decks at landing		
	5F00300013 right hand side	150 L	17,5
	5F00300014 left hand side	150 L	17,5
	**Stair Stringer futuro H200, U-Support** for combination with quadro decks at landing		
	5F00300004 right hand side	307 L	31,9
	5F00300003 left hand side	307 L	31,9
	**Platform Ledger futuro, U-Support** for combination with quadro decks at landing		
	5F00300010	129 L	8,1
	5F00300012	154 L	9,6

Article	Code	Dimensions (cm)	Weight (kg)
	**Tread including riser (Punched Steel Plate)** to be assembled to stair stringer without additional tools. Secured against lift-off by securing pins.		
	5FMPP44511	27 W x 100 L	9,5
	5FMPP44512	27 W x 125 L	11,6
	**Stair Tread**		
	5FMPP44500	125 W x 100 L	7,3
	5FMPP44501	150 W x 125 L	10,9
	**Security Clip for Stair Tread**		
	3ZBIE00416	9 L	
	**Two-Step-Bracket for Ledger Decks** to employ two ledger decks at 16,6 cm height intervals		
	5FMPP57000	30 H x 60 W	5,6

Article	Code	Dimensions (cm)	Weight (kg)
	**Two-Step-Bracket, futuro for U-Support**		
	5F00300017	30 H x 60 W	4,3
	**Child Proof Guard Rail for Stair Stringer contur/futuro H100**		
	5FMPP69000 right hand side	100 H x 150 L	23,8
	5FMPP69002 left hand side	100 H x 150 L	23,8
	**Child Proof Guard Rail for Stair Stringer futuro H200**		
	5F00330000 right hand side	307 L	43,6
	5F00330001 left hand side	307 L	43,6

Article	Code	Dimensions (cm)	Weight (kg)	
	**Child Proof Guard Rail for Two-Step-Bracket**			
	5FMPP69500	73/74/75 L	13,9	
	5FMPP69501	100/109/110 L	18,3	
	**Child Proof Guard Rail for Landing futuro H110**			
	5FMPP68500 telescopic	73/74/75 L	13,7	
	5FMPP68501 telescopic	100/109/110 L	17,3	
	5F00330129	129 L	17,8	
	5F00330140	140 L	19,1	
	5F00330154	154 L	20,5	◷
	5F00330157	157 L	20,8	
	5F00330207	207 L	26,3	
	5F00330257	257 L	31,8	
	5F00330307	307 L	36,6	

Steel Staircase Tubular-Support

Fully welded stair with steel grid treads. Stair is hooked over ledgers. Staircase rises 200 cm in a 257 cm bay. Steel staircases are available in two different widths: 75 cm and 95 cm, load capacity 2,0 kN/m².

Article	Code	Dimensions (cm)	Weight (kg)	
	**Steel Staircase contur H100, Tubular-Support** for system height 100 cm, to be supported by decks at lower side			
	5FMPP49500	75 W x 125 L	32,4	
	5FMPP49501	95 W x 125 L	40,9	◷

◷ not available from stock ◉ only short-price

Article	Code	Dimensions (cm)	Weight (kg)	
	**Steel Staircase futuro H200** for system height 257 cm			
	5F00322275	75 W x 257 L	60,0	
	5F00322295	95 W x 257 L	70,5	

Alu Staircase Tubular-Support

Aluminium stair complete with upper and lower landing. With forged support claws for tubes 48,3 mm Ø and deck retainer. Stair rises 200 cm in a 250 cm or 300 cm bay. Width = 65 cm, load capacity 2,0 kN/m².

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	**Alu Staircase W64, 2 kN** for system height 200 cm			
	5F00323003	200 H x 257 L	30,0	10
	5F00323004	200 H x 307 L	35,0	10
	5FMPP50002	100 H x 122 L	16,5	10

Alu Staircase U-Support

Designed for external scaffold access without reducing the working space. Full aluminium staircase with anti-slip surface and upper and lower landings. Head connectors for U-transoms. Width = 65 cm, load capacity 2,0 kN/m².

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	**Alu Staircase quadro W64, 2 kN**			
	5F00203320	200 H x 257 L	23,1	10
	5F00203321	200 H x 307 L	27,5	10
	5F00203322	100 H x 122 L	16,8	10

Guard Rail

Steel guard rails for the aluminium staircases.

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	**Stair Head Guard Rail** Matching for all types of aluminnium stairs			
	5FSLN00600	200 H	14,7	
	5FSLN00601	100 H	11,3	
	**Outer Guard Rail futuro Single for Alu Staircase H200** fixed to futuro discs			
	5F00323256	257 L	11,8	
	5F00323306	307 L	13,4	

Article	Code	Dimensions (cm)	Weight (kg)	PQ

Outer Guard Rail futuro Double for Alu Staircase H200
fixed over ledgers

5F00323257	257 L	22,8	
5F00323307	307 L	25,1	

Inner Guard Rail Double for Alu Staircases H200
Matching for all types of aluminium stairs

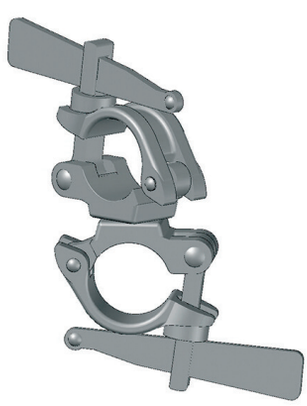
5FSLN41000	250 L	14,8	20

Couplers

Wedge Coupler

For the connection of scaffold items with Ø 48,3 mm.

Article	Code	Dimensions (cm)	Weight (kg)	PQ

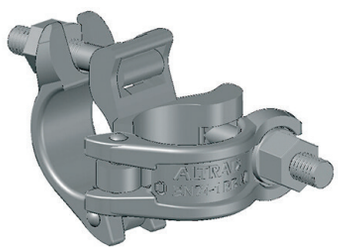
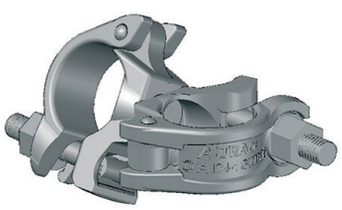
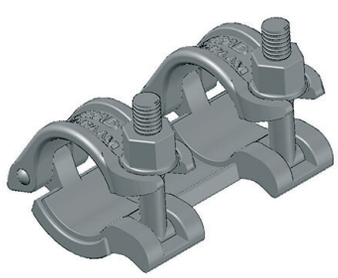


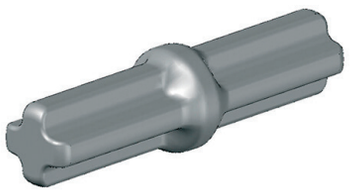
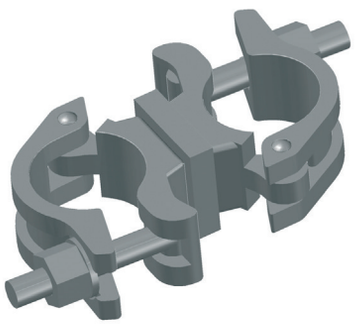
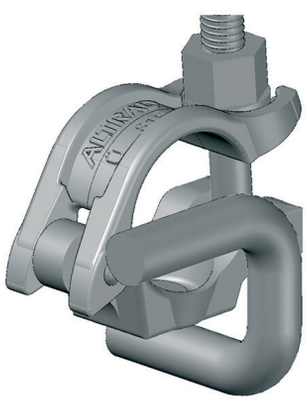
Wedge Coupler, turnable

5FKUP83010 turnable		1,5	20 Pieces/bag	

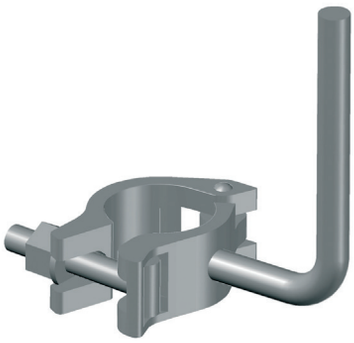
Standard Couplers

Steel, drop-forged with T-bolt and shoulder nut. With hot-dip galvanised T-bolt and shoulder nut.

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	**Normal Coupler** 3rd party approved to according EN 74-1 safe working load:9,1 kN			
	5FKUP10011 Ø 48/48, 19 A/F		1,0	20 Pieces/bag
	5FKUP10010 Ø 48/48, 22 A/F		1,0	20 Pieces/bag
	**Swivel Coupler** 3rd party approved to according EN 74-1 safe working load: 9,1 kN			
	5FKUP20017 Ø 48/48, 19 A/F		1,2	20 Pieces/bag
	5FKUP20019 Ø 48/48, 22 A/F		1,2	20 Pieces/bag
	**Tension Coupler** 3rd party approved to according EN 74-1 safe working load: 3,6 kN to be combined with tube connection spigot forged			
	5FKUP65002 Ø 48, 19 A/F		1,3	15 Pieces/bag
	5FKUP65001 Ø 48, 22 A/F		1,3	15 Pieces/bag

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	**Tube Connecting Spigot forged** According to EN 74-3 5FDIV10001		1,3	20 Pieces/bag
	**Distance Coupler L8, fixed** for the connection of parallel tubes with a minimised distance 5FKUP34500 22 A/F	8 L	1,4	
	**Scaffold Tie Coupler** are used in connection with a tube Ø 48,3 mm as scaffold tie 5FKUP38001 19 A/F 5FKUP38000 22 A/F		1,0 1,0	20 Pieces/bag 20 Pieces/bag

Article	Code	Dimensions (cm)	Weight (kg)	PQ



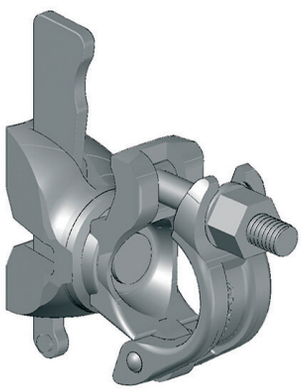
Toeboard Coupler
for connection of toeboards SL and quadro

5FKUP56001 1,2
19 A/F

5FKUP56000 1,2
22 A/F

System Coupler
Steel, drop-forged with T-bolt and shoulder nut.

Article	Code	Dimensions (cm)	Weight (kg)

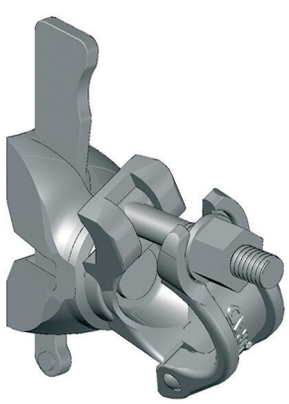


Wedge Connection Coupler, fixed
used to connect scaffold tubes to the modular system with a right angle

5FMPP19002 1,1
19 A/F

5FMPP19000 1,1
22 A/F

5FMPP19007 1,1
parallel, 22 A/F

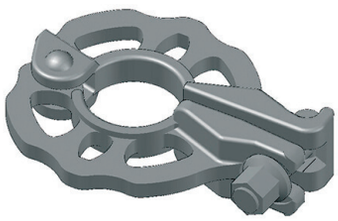


Wedge Connection Coupler, turnable
used to connect scaffold tubes to the modular system w/o limiting the angle

5FMPP19003 1,2
19 A/F

5FMPP19001 1,2
22 A/F

Article	Code	Dimensions (cm)	Weight (kg)



Disc Coupler
for the altitude-independent access of ledgers or braces

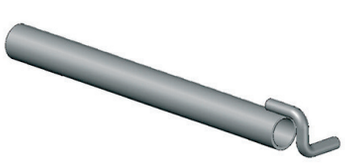
5FMPP28000 Ø 48, 19 A/F		1,1
5FMPP28001 Ø 48, 22 A/F		1,1

Ties

Scaffold Ties

Scaffolds must be tied to a solid structure in such a way as to be able to withstand forces in both directions perpendicular and parallel to the surface of the structure (tension and compression). The anchorage of the scaffold should be in accordance with the methods described in the manufacturers guides for the erection and use of the scaffold as well as any local or national requirements issued by Health and Safety Executives.
Requirements per tying-in point are: One clearance tie with double coupler or one scaffold tie with two double couplers.

Article	Code	Dimensions (cm)	Weight (kg)	PQ



Scaffold Tie

5FSNN24009	30 L	1,3	100
5FSNN24010	50 L	1,9	100
5FSNN24005	80 L	2,9	100
5FSNN24000	110 L	3,9	100
5FSNN24002	150 L	5,2	100

Clearance Tie

5F00202408	76 L	3,5

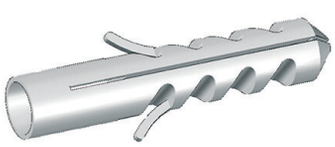
Eyebolt

12 mm Ø, steel, wood screw thread, galvanised, welded eye.

Article	Code	Dimensions (mm)	Weight (kg)	PQ
	**Eyebolt**			
	5FDIV00106	95 L	0,1	100
	5FDIV00107	120 L	0,2	100
	5FDIV00108	160 L	0,2	100
	5FDIV00109	190 L	0,2	100
	5FDIV00110	230 L	0,3	100
	5FDIV00111	350 L	0,4	100

Expansion Anchor

Plastic, for eye bolts with wood screw thread. 12 mm fits 14 mm Ø drilled hole.

Article	Code	Dimensions (mm)	Weight (kg)	PQ
	**Expansion Anchor**			
	5FDIV00105	70 L		100
	5FDIV00149	100 L		100
	5FDIV00150	130 L		100

Plastic Cap

To cover 14 mm Ø drilled holes.

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	**Plastic Cap**			
	5FDIV00104 for drilled holes Ø 14 mm			1000

Accessories

Spindle w. Coupler

Enables scaffold extensions to be levelled out, e.g. on top of a lattice girder.

Article	Code	Dimensions (cm)	Weight (kg)
	**Spindle w. Coupler**		
	5FSOG16501 19 A/F	50 H	2,9
	5FSOG16500 22 A/F	50 H	2,9

Head Jack

Head Jacks may take timber or steel beams to build the top end of supporting scaffolds, opening of fork head 17 cm.

Article	Code	Dimensions (cm)	Weight (kg)	
	**Head Jack**			
	5FSOG17000 for square-shaped timber 160 mm	50 L	6,7	◷

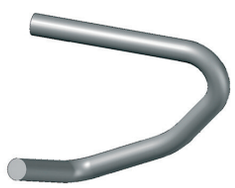
Castor

To insert into scaffolding tubes. 200 mm Ø wheel, spindle travel 45 cm, load capacity 11,9 kN. The outer ring allows quick height adjustment of the mobile scaffold. The wing nuts allow the castors to be securely attached to holes in the frame or modular component. It contains an additional wing bolt to secure the complete castor to standards or frames. Independent scaffolds equipped with castors have to be designed in compliance with local regulations. Brakes enable locking of independent scaffold.

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	**Castor 11.9 kN** with spindle, adjustable height 45 cm, castor Ø 200 mm with brake, load capacity 11,9 kN centre point load			
	5FSOG84000		8,4	40

Pig Tail Pin

9 mm Ø, steel, galvanised. Protection against lift-off.

Article	Code	Dimensions (cm)	Weight (kg)
	**Pig Tail Pin**		
	5FBIE00805		0,1

Ratchet Spanner

Solid design with aluminium handle. Steel head with reverse lever for left-hand or right-hand motion. In different designs available.

Article	Code	Dimensions (cm)	Weight (kg)
	**Ratchet Spanner**		
	5FSLÜ00200 for 19 A/F	30 L	0,8
	5FSLÜ00202 for 22 A/F	30 L	0,8
	5FSLÜ00201 for 19 A/F and 22 A/F	30 L	1,0

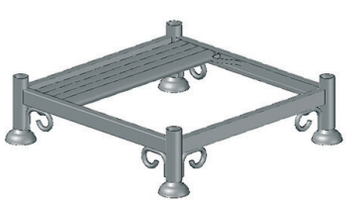
Scaffold Tubes

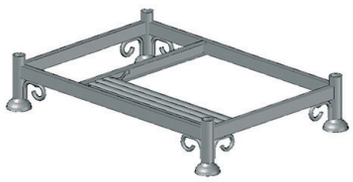
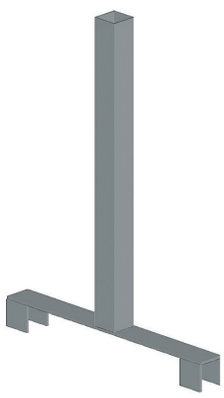
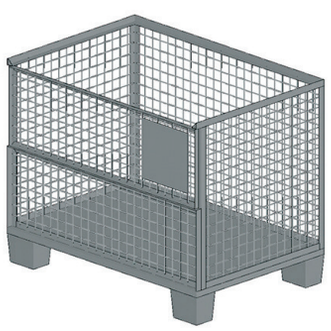
Scaffold tubes can be supplied in a choice of either steel or aluminium. Ø 48,3 mm.

Article	Code	Dimensions (cm)	Weight (kg)	PQ
	**Steel Scaffold Tube wall thickness 3,2 mm** identified referred to EN39			
	5FRDR90014	100 L	3,8	61
	5FRDR90016	200 L	7,5	61
	5FRDR90018	300 L	11,3	61
	5FRDR90020	400 L	15,1	61
	5FRDR90022	500 L	18,9	61
	5FRDR90024	600 L	22,6	61
	**Alu Scaffold Tube wall thickness 4,0 mm**			
	5FRDR00028	100 L	1,5	61
	5FRDR00030	200 L	3,0	61
	5FRDR00032	300 L	4,5	61
	5FRDR00034	400 L	6,0	61
	5FRDR00036	500 L	7,5	61
	5FRDR00027	600 L	9,0	61

Stacking Pallets

A selection of different types of pallets is available for space saving storage at site or in the depot. Designed with attention to the dimensions of the most important system components usage of availabe space is guaranteed. Also suitable for transport, erection and inventory purposes. All pallets have been designed for fork-lift transport.

Article	Code	Dimensions (cm)	Weight (kg)
	**Pallet for Tubes 85x85** with 4 removable posts, load capacity 1.100 kg		
	5FSOG11501	27 H x 85 W x 85 L	31,6

Article	Code	Dimensions (cm)	Weight (kg)	
	**Pallet for Tubes 125x85** with 4 removable posts, load capacity 1.600 kg 5FSOG11500	27 H x 85 W x 125 L	38,6	
	**Splitting Device for Pallet** additional post for pallet to split space 5FSOG69600	58 W x 76 L	6,3	
	**Euro Crate** 5FDIV00120	100 H x 80 W x 120 L	85,0	

Advanced Guard Rail

Suitable for every common fascade-and modular scaffolding systems (Ø48 mm); can be assembled from the top floor as well as from the lower floor.

Article	Code	Dimensions (cm)	Weight (kg)
	**Advanced Guard Rail Post** Aluminium 5F00206600		5,8
	**Telescopic Guard Rail** Aluminium 5F00206800 for advanced guard rail 207. Bay length 1,50 m - 2,07 m 5F00206700 for advanced guard rail 307. Bay length 2,00 m - 3,07 m		2,5 3,0

PSA-Premium-Set

(Producer Miller) according to DIN EN 361, available in two sizes; Set excisting of:

Article	Code	Dimensions (cm)	Weight (kg)	
	**Personal Protective Equipment** safety harness "R" Manyard Edge short absorber, hardware bag			
	5SDIV70502 Size S/M		5,5	◉
	5SDIV70503 Size L/XL		5,5	◉

Scaffolding Safety Helmet approved for industrial use

Article	Code	Dimensions (cm)	Weight (kg)	
	**Scaffolding Safety Helmet** approved for industrial use			
	5FDIV70900 Colour red		0,4	◉

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