



Facade Scaffolding

plettac SL 70/100



www.plettac-assco.de

Issue 08/2005

The facade scaffolding-system plettac SL

The proved and tested scaffold for quick erection

74 cm wide available in hot-dip galvanised steel or in aluminium
106 cm wide in hot-dip galvanised steel.

Fully approved scaffolding system e.g. German Approval Z-8.1-29, Z-8.1.171 and Z-8.1-29.1

With a small number of main components the scaffold can be erected quickly and safely.

The components are simply stuck together without any tools and secured by self locking swivel pins. Supplementary components complete the range of products and guarantee for every purpose a most productive and economical solution. All items are hot dip galvanised and manufactured for a long service life.

This catalogue gives an overview of all main- and supplementary components for the following system variants:

plettac SL, 74 cm wide, from hot dip galvanised steel, up to load class 3, according to EN 12810 and EN 12811, 2 kN/m².

plettac SL, 74 cm wide, from aluminium, up to load class 3, according to EN 12810 and EN 12811, 2 kN/m².

With approved bay lengths of 1,50 m, 2,00 m, 2,50 m and 3,00 m.

plettac SL, 106 cm wide, from hot-dip galvanised steel, from load class 4 up to 6, according to EN 12810 and EN 12811, 3 kN/m² up to 6 kN/m². (according to decking and bay length).

The plettac SL facade scaffolding system is approved by the "Deutsches Institut für Bautechnik" in Berlin with the following approval numbers: Z-8.1-29 plettac SL70 steel, Z-8.1-171 plettac SL100 steel and Z-8.1-29.1 plettac SL70 aluminium

For additional heights or special constructions tested statical calculations are available which can be provided. Scaffolding components have to be checked before use in terms of proper condition.

Always more than you expect!

Directory

Scaffolding example	Page	3
Main Components		
Frames	Page	6-8
Diagonal Bracing	Page	8
Decks and Panels	Page	9-11
Side Protection	Page	12-14
Base Plates	Page	14, 15

Supplementary Components

Fall Arrest / Pedestrian Protection	Page	15, 16
Side Brackets	Page	17-19
Lattice Girders, Bridges	Page	19-23
Staircases	Page	23, 24
Couplers	Page	24, 25
Ties	Page	25, 26
Accessories	Page	26-31

Abbreviation:
H = Height
L = Length
W = Width
LH = Lift Height
BL = Bay Length
SW = System Width

Scaffolding Examples SL 70 with 3,00 m Bay Length

Standard Equipment								
Pos	Code	Description	Weight t	23,00 x 8,20 1009 m ²	63,00 x 8,20 517 m ²	36,00 x 8,20 295 m ²	18,00 x 8,20 148 m ²	12,00 x 8,2 98 m ²
1	5FSL713004	Steel-Vertical Frame SL W74 light	18,6	126	66	39	21	15
2	5FSLN04000	Timber Deck SL W32	20,2	246	126	72	36	24
3	5FSNN60000	Vertical Brace SL	10,9	27	15	9	6	3
4	5FSNN05003	Guard Rail SL	5,2	173	89	51	26	17
5	5FSL712000	Double End Guard Rail SL	3,7	2	2	2	2	2
6	5FSNN14000	Toeboard for SL Decks	6,0	82	42	24	12	8
7	5FSL715000	End Toeboard SL	1,4	2	2	2	2	2
8	5FSL764000	Steel Guard Rail Support SL	5,2	40	20	11	5	3
9	5FSL763500	End Guard Rail Support SL	13,0	2	2	2	2	2
10	5FSOG59006	Base Plate	2,6	84	44	26	14	10
11	5FSNN61000	Diagonal Fixing Bracket SL	0,4	18	10	6	4	2
Total Weight				9.470 kg	4.910 kg	2.851 kg	1.491 kg	1.011 kg
Ties								
1	5FSLN25000	Scaffold Tie with Fork	3,7	44	24	15	9	7
2	5FKUP10010	Normal Coupler	1,0	44	24	15	9	7
3	5FDIV00107	Eyebolt	0,2	44	24	15	9	7
4	5FDIV00105	Expansion Anchor	0,0	44	24	15	9	7
5	5FDIV00104	Plastic Cup	0,0	44	24	15	9	7
Total Weight				216 kg	118 kg	74 kg	44 kg	34 kg
Supplementary Equipment								
1	5FSNN05003	Guard Rail SL	5,2	82	42	24	12	8
2	5FSL712000	Double End Guard Rail SL	3,7	2	2	2	2	2
3	5FSNN14000	Toeboard for SL Decks	6,0	41	21	12	6	4
4	5FSL715000	End Toeboard SL	1,4	2	2	2	2	2
Total Weight				684 kg	355 kg	207 kg	109 kg	76 kg

Technical solutions that convince

Locate base jacks



Assemble vertical frame



Assemble vertical brace



Assemble decks from lower level



Integrated decking attachment

plettac scaffolding decking units have no protruding parts. The integrated decking attachment substantially reduces the risk of damage. Transporting the units is easier and less space is required in store.



Advantages of end bolt decking fixing

The attachment system produces quick erection times and securely fixed decking. The decking fits perfectly to the vertical frame end bolts. The positive connection restrains the decking against slipping and sliding around, whilst at the same time it provides horizontal stiffening to the scaffold - allowing the use of a staggered anchorage arrangement.



Larger useable decking widths

The SL-Decks und Panels fulfill the requirements of width class W 06 (SL 70) and W 09 (SL 100) of the European Norm EN 12811. Larger useable working widths offer safety benefits and allow for more economic programming of the work. The SL 70 system has a useable decking width of 650 mm and the SL 100 makes 980 mm available - approximately 10% more than the minimum required.



Functional versatility

If you want to deal with all your various scaffolding projects economically, you also need as wide a range of deckings as possible. The plettac SL 70/100 can offer you decking in various materials - timber, aluminium, steel and combinations of materials. Using the seven incremental bay lengths (400, 300, 250, 200, 150, 110, 70 cm) you can produce a scaffold to fit all plan shapes and keep the scaffolded area to the minimum necessary. The modular width of the interchangeable decking units is 32 cm (two required for each SL 70 bay and three for the SL 100). A 65 cm wide unit is available for the SL 70 should you so require. For corners we can offer 70 and 110 cm modular widths.

Safe load transfer

The permanent weights and the working loads are transmitted directly into the vertical frames by the decking header piece - an additional safety advantage.

Fit the vertical frames of the next bays



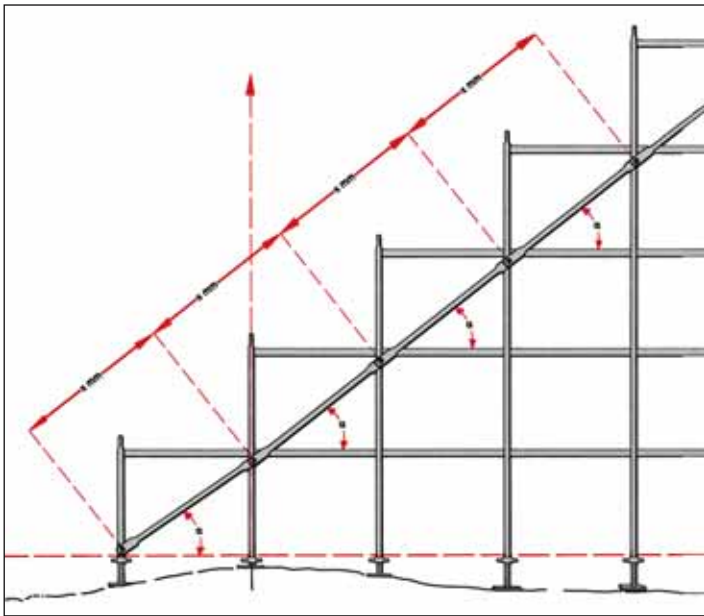
Assemble guard rail



Assemble decks for the upper level



Assemble toe-board



Independent verticality adjustment

The consistent structurally ideally positioned joints for attaching the diagonals automatically bring the SL 70/SL 100 scaffolds into plumb.

Automatic adjustment of additional scaffold bays

Time is saved with each plettac SL 70/100 scaffold added. The automatic verticality adjustment means you only have to do it once. Further scaffolds are plumbed automatically.

General Building Inspectorate Type Approval

SL 70 Steel	Type Approval No.	Z-8.1-29
SL 70 Alu	Type Approval No.	Z-8.1-29.1
SL 100 Steel	Type Approval No.	Z-8.1-171

Erection needs no tools

On the SL 70/100 systems, the handrails and diagonals are attached to the verticals using self-locking swivel pins. The specially designed pins open automatically for sliding the handrails on - allowing a handrail to be attached to both pins at once.



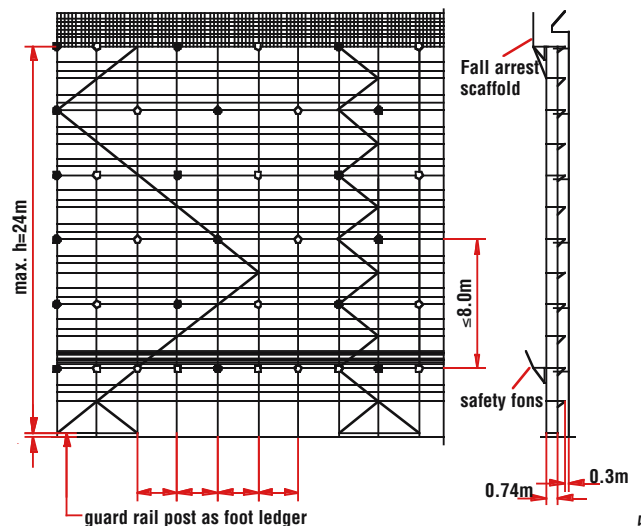
Valuable working space

Diagonals placed on the inside can reduce the available working space. The SL 70/100 systems have the diagonals on the outside - leaving the whole of the working area for you to use.



Highly accurate

The nearer the diagonals are attached to the intersection point of the verticals and decking axes, the smaller are the eccentricities and resulting applied moments. This increases the load capacity reserve of the system.



Steel-Vertical Frame SL

The head transom with star pins guarantees a quick and secure fixing of the decks. Swivel pins lock the guard rails and vertical braces. The Vertical Frames, from hot-dip galvanised steel tubes Ø 48,3 mm, are available in different heights and widths.

Steel-Vertical Frame SL W74 light



Code	Dimensions [cm]	Weight [kg]
5FSL713003	H 50 x W 74	8,5
5FSL713002	H 100 x W 74	11,6
5FSL713005	H 150 x W 74	15,2
5FSL713004	H 200 x W 74	18,3

Steel-Vertical Frame SL W74 light
with 4 swivel pins



Code	Dimensions [cm]	Weight [kg]
5FSL713001*	H 150 x W 74	15,4
5FSL713000*	H 200 x W 74	18,5

Steel-Vertical Frame SL W74



Code	Dimensions [cm]	Weight [kg]
5FSL703303	H 50 x W 74	8,8
5FSL703302	H 100 x W 74	12,2
5FSL703301	H 150 x W 74	16,0
5FSL703300	H 200 x W 74	19,4

Steel-Vertical Frame SL W110



Code	Dimensions [cm]	Weight [kg]
5FSL103503	H 50 x W 110	11,5
5FSL103502	H 100 x W 110	15,0
5FSL103501	H 150 x W 110	18,7
5FSL103500	H 200 x W 110	22,0

Steel-Vertical Frame SL W41



Code	Dimensions [cm]	Weight [kg]
5FSL703304*	H 200 x W 41	17,4

Alu-Vertical Frame SL

The head transom with star pins guarantees a quick and secure fixing of the decks. Swivel pins lock the guard rails and vertical braces. The Aluminium Vertical Frames, from aluminium tubes Ø 48,3 mm, are available in different heights.

Alu-Vertical Frame SL W74



Code	Dimensions [cm]	Weight [kg]
5FSL702003	H 50 x W 74	4,5
5FSL702002	H 100 x W 74	5,8
5FSL702001	H 150 x W 74	7,8
5FSL702000	H 200 x W 74	9,0

Walk Through Frame SL

Affords protection to pedestrians under an erected scaffold.

Walk Through Frame SL



Code	Dimensions [cm]	Weight [kg]
5FSL761000 for SL70 / SL70 (4-decks)	H 200 x W 150	32,0
5FSLN28000 for SL70 / SL70 (5-decks)	H 200 x W 180	35,0

Fall Arrest Frame SL

The Fall Arrest Frame enables the width of the scaffold to be extended away from the facade in order that a fall arrest scaffold may be erected around buildings with large obstructions at gutter height. The frame can also be used in place of a frame and side brackets and as an adapter from SL70 to SL100. It can also be used to off-set a scaffold in conjunction with adapter SL 5FSLN08000.

Fall Arrest Frame SL W74/110



Code	Dimensions [cm]	Weight [kg]
5FSLN23000	H 200 x Width 74/110	21,5

Side Bracket Frame SL

Used to adapt to protrusions in facade.

Side Bracket Frame SL W74




Code	Dimensions [cm]	Weight [kg]
5FSL709500	H 200 x W 74/110	20,8

Adapter SL

The Adapter SL allows the SL70 scaffold to be erected on top of the SL100. Swivel pins are used to connect the bracing when the scaffold is off-set away from the facade. Towards the facade swivel couplers have to be used.

Adapter SL W110


	Code	Dimensions [cm]	Weight [kg]
	5FSLN08000	W 110	6,2

Diagonal Bracing

Vertical Brace SL

The lengths of the Vertical Braces suit to the scaffold bay lengths and heights. The bracing, once fitted, guarantees a perpendicular erection of the scaffold. The arrangement has to be taken according to the relevant Building Executive Authorisation. Braced bays at lowest level require 2 Diagonal Fixing Brackets and 1 Guard Rail as horizontal transom.

Vertical Brace SL

	Code	Dimensions [cm]	Weight [kg]
	5FSNN60003 for bays 150x200 cm	L 255	7,6
	5FSNN60002 for bays 200x200 cm	L 288	8,6
	5FSNN60005 for bays 250x100 cm	L 275	8,2
	5FSNN60004 for bays 250x150 cm	L 297	8,9
	5FSNN60001 for bays 250x200 cm	L 326	9,7
	5FSNN60007 for bays 300x100 cm	L 322	9,6
	5FSNN60000 for bays 300x200 cm	L 366	10,9
	5FSNN60006* for bays 400x200 cm	L 453	8,5

Diagonal Fixing Bracket SL

Put between base plates and Vertical Frame to adapt Vertical Brace.

Diagonal Fixing Bracket SL

	Code	Dimensions [cm]	Weight [kg]
	5FSNN61000		0,4

Decks and Panels

Steel Deck SL

Perforated sheet steel. Designed to suit all SL transoms.

Steel Deck SL W32

height 7,5 cm, hot-dip galvanised, perforated sheet steel



Code	Dimensions [cm]	Weight [kg]	Scaffold Class
5FSLN47007	L 74	6,1	6
5FSLN47004	L 110	8,1	6
5FSLN47003	L 150	11,2	6
5FSLN47002	L 200	14,3	6
5FSLN47001	L 250	17,4	5
5FSLN47000	L 300	20,9	4

Steel Filler Deck

The Steel Filler Decks close gaps in combination with brackets.

Steel Filler Deck SL W30

height 4,0 cm, hot-dip galvanised, perforated, for all scaffold classes



Code	Dimensions [cm]	Weight [kg]
5FSLN02503	L 150	8,0
5FSLN02502	L 200	10,8
5FSLN02501	L 250	13,5
5FSLN02500	L 300	16,0

Corner Deck SL

For decking scaffold returns up to an angle of 45°. The result is a continuous decking without stumbling edge.

Corner Deck SL



Code	Dimensions [cm]	Weight [kg]
5FSL711000* for SL 70		12,8
5FSL111500* for SL 100		24,0

Timber Deck SL

High quality timber. Designed to suit all SL transoms. The decks should be checked before use. Width = 32 cm.

Timber Deck SL W32

depending on length up to scaffold class 6



Code	Dimensions [cm]	Weight [kg]	Scaffold Class
5FSLN04016 Length SL 70	H 4,4 x L 74	5,3	6
5FSLN04015 Length SL 100	H 4,4 x L 110	7,1	6
5FSLN04014	H 4,4 x L 150	9,4	6
5FSLN04013	H 4,4 x L 200	12,1	5
5FSLN04012	H 4,4 x L 250	15,7	4
5FSLN04000	H 4,8 x L 300	20,2	3




* not available from stock

Alu Deck SL

Hollow aluminium extrusion profile with anti-slip surface to suit all SL transoms. Width = 32 cm.

Alu Deck W32

depending on length up to scaffold class 6, non slip platform with hollow loaf tin pressprofile


	Code	Dimensions [cm]	Weight [kg]	Scaffold Class
	5FSLN13003	H 5 x L 150	6,7	6
	5FSLN13002	H 5 x L 200	9,8	6
	5FSLN13001	H 5 x L 250	12,2	5
	5FSLN13000	H 5 x L 300	14,0	4
	5FSLN27000	H 5,6 x L 400	21,0	3

Alu Frame Deck SL


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

Alu Frame Deck SL W64 w. Alu Surface

depending on length up to scaffold class 4

	Code	Dimensions [cm]	Weight [kg]	Scaffold Class
	5FSLN53003	L 150	11,7	4
	5FSLN53002	L 200	15,3	4
	5FSLN53001	L 250	18,2	4
	5FSLN53000	L 300	21,8	3

Alu Frame Deck SL W64 w. Plywood Surface

	Code	Dimensions [cm]	Weight [kg]	Scaffold Class
	5FSLN56001	L 250	19,8	3
	5FSLN56000	L 300	23,8	3

Alu Access Deck SL

Access Deck SL with full aluminium surface or high-quality, molder resistant and water-proof plywood surface according BFU 100 G. Alu frame with solid plastic receivers for SL star pins. With integral or separate ladder available. The decks should be checked before use.

Alu Access Deck SL W64 w. Alu Surface and Ladder

	Code	Dimensions [cm]	Weight [kg]	Scaffold Class
	5FSLN50001	L 250	23,8	4
	5FSLN50000	L 300	27,4	3

Alu Access Deck SL W64 w. Alu Surface w/o Ladder

can be combined with internal ladder 5FSLN39000



Code	Dimensions [cm]	Weight [kg]	Scaffold Class
5FSLN50002	L 200	16,0	4

Alu Access Deck SL W64 w. Plywood Surface and Ladder



Code	Dimensions [cm]	Weight [kg]	Scaffold Class
5FSLN57001	L 250	23,5	3
5FSLN57000	L 300	27,5	3

Horizontal Steel Frame

Hot-dip galvanised frame to support a timber access panel with hatch for internal ladder access.

Horizontal Steel Frame SL



Code	Dimensions [cm]	Weight [kg]	Scaffold Class
5FSLN17001*	L 250 x W 65	21,7	4
5FSLN17000*	L 300 x W 65	24,4	3

Timber Access Panel w. Hatch

Timber panel with trap door to cover horizontal steel frame for internal ladder access.

Timber Access Panel w. Hatch

for horizontal steel frame SL



Code	Dimensions [cm]	Weight [kg]
5FSLN18001*	L 250 x W 57	28,4
5FSLN18000*	L 300 x W 57	33,5

Internal Ladder SL

Independant ladder from steel for internal access.

Internal Ladder Steel



Code	Dimensions [cm]	Weight [kg]
5FSLN39000		8,8




* not available from stock

Side Protection

Guard Rail SL

The Guard Rails act as side protection and are connected to the frames by means of gravity pins without the need for tools. They are also required as side protection in combination with Alu-Bridges.


Guard Rail SL

	Code	Dimensions [cm]	Weight [kg]
	5FSNN05006 for bay lengths 74 cm	L 74	1,5
	5FSNN05005 for bay lengths 110 cm	L 110	2,0
	5FSNN05000 for bay lengths 150 cm	L 150	2,8
	5FSNN05001 for bay lengths 200 cm	L 200	3,6
	5FSNN05002 for bay lengths 250 cm	L 250	4,2
	5FSNN05003 for bay lengths 300 cm	L 300	5,2
	5FSNN05004* for bay lengths 400 cm	L 400	10,5

Single End Guard Rail

The Single End Guard Rails act as side protection and close the end of the scaffold.


Single End Guard Rail SL

	Code	Dimensions [cm]	Weight [kg]
	5FSL709000 SL 70	L 74	2,0
	5FSL109000 SL 100	L 110	2,7

Double End Guard Rail

The Double End Guard Rails act as side protection and close the end of the scaffold.


Double End Guard Rail SL

	Code	Dimensions [cm]	Weight [kg]
	5FSL712002 SL 40	L 41	2,7
	5FSL712000 SL 70	L 74	3,7
	5FSL112000 SL 100	L 110	4,6

Toeboard SL

Timber toeboards are fitted at platform height and complete the required three part side protection. The toeboards are fitted over the toeboard pin that is welded to deck retainers and foot ledgers of the vertical frames.


Toeboard for SL Decks

	Code	Dimensions [cm]	Weight [kg]
	5FSNN14006	L 74	1,8
	5FSNN14007	L 110	2,5
	5FSNN14003	L 150	3,3
	5FSNN14002	L 200	4,2
	5FSNN14001	L 250	5,1
	5FSNN14000	L 300	6,0
	5FSNN14004*	L 400	10,0

End Toeboard

Same as side toeboards SL. They are fitted over toeboard pins along the length of the deck retainer.

End Toeboard SL

	Code	Dimensions [cm]	Weight [kg]
	5FSL715000 SL 70	L 74	1,4
	5FSL115000 SL 100	L 110	1,8

Top Level Protection SL

The Top level is protected by Steel Guard Rail Posts and Upper Deck Retainers or by Steel Guard Rail Supports. The ends are closed by End Guard Rail Frames.


Steel Guard Rail Post SL w. 2 Swivel Pins

and eyebolt as retaining element

	Code	Dimensions [cm]	Weight [kg]
	5FSNN11000 without toe boardpin	H 100	3,8

Steel Guard Rail Post SL w. 2 Swivel Pins


and eyebolt as retaining element

	Code	Dimensions [cm]	Weight [kg]
	5FSNN12000 with toe boardpin	H 100	4,0


Steel Guard Rail Post SL w. 2 Swivel Pins
and pressed in spigot, eyebolt as retaining element

	Code	Dimensions [cm]	Weight [kg]
	5FSNN12600* with toe boardpin	H 100	4,7


Upper Deck Retainer SL
to be secured by pig tail pin

	Code	Dimensions [cm]	Weight [kg]
	5FSL714000 SL 70	W 74	1,9
	5FSL114000 SL 100	W 110	2,5

Steel Guard Rail Support SL
to be secured by pig tail pin

	Code	Dimensions [cm]	Weight [kg]
	5FSL764000 SL 70	H 100 x W 74	5,2
	5FSL120000 SL 100	H 100 x W 110	5,9

End Guard Rail Frame SL
with integrated toeboard

	Code	Dimensions [cm]	Weight [kg]
	5FSL763500 SL 70	H 100 x W 74	12,8
	5FSL119000 SL 100	H 100 x W 110	15,5


Base Plates

Base Plates

A number of base plates in various lengths are available to compensate for 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.

Base Plate

tubular spindle with round thread fitted with wing nut and 15x15 cm base plate

	Code	Dimensions [cm]	Weight [kg]
	5FSOG59006	H 40	2,6
	5FSOG59007	H 60	3,2
	5FSOG59008	H 80	3,9
	5FSOG60000 tilting	H 78	5,4

Base Plate w/o Vertical Adjustment



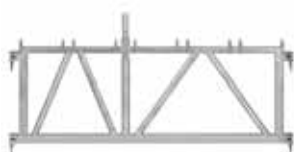
Code	Dimensions [cm]	Weight [kg]
5FSOG48000	L 15 x W 15	1,1

Fall Arrest / Pedestrian Protection

Lattice Girder for Walk Through

The Lattice Girder for Walk Through affords in combination with the following items from the modular scaffolding system contur an effective protection for pedestrians under the erected scaffold: Vertical Standards, Ledgers and Vertical Braces in the required sizes.

Lattice Girder SL for Walk Through



Code	Dimensions [cm]	Weight [kg]
5FSL762000 for SL 70 / SL 70 (4-deck)	W 148	19,1
5FSLN28500 for SL 70 / SL 100 (5-deck)	W 180	21,2

Protection Roof SL

For appropriate protection roofs a Support SL is available. The Safety Fan and the Side Brackets are to be covered with Decks and the gap closed by Steel-Filler Decks. The Decks are secured by the Deck Retainer for the Protection Roof.

Support SL for Protection Roof

suitable for SL70 and SL100 with 2 half couplers and swivel pin



Code	Dimensions [cm]	Weight [kg]
5FSNN26000	H 215	13,9

Deck Retainer SL for Protection Roof



Code	Dimensions [cm]	Weight [kg]
5FSLN12500		3,1

Safety Fan SL, Cantilever 100



Code	Dimensions [cm]	Weight [kg]
5FSLN17500 2-deck		3,5

Fall Arrest

For assembling of Fall Arrest scaffolds the Supports are fixed on top level and connected with the Fall Arrest Mesh Panels. Safety Nets used with Guard Rails instead of Mesh Panels are alternatively available. In that case the nets have to be secured by using Snap Buckles to the upper and lower guard rails. The recommended pitch of the Snap Buckles is 75 cm.

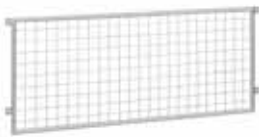
Support SL for Fall Arrest Mesh Panel

for 2 fall arrest mesh panels, to be secured by pig tail pin



Code	Dimensions [cm]	Weight [kg]
5FSL737000 SL 70	H 200 W 74	12,7
5FSL105000 SL 100	H 200 W 110	13,6

Fall Arrest Mesh Panel



Code	Dimensions [cm]	Weight [kg]
5FSNN38003*	H 100 x L 150	14,7
5FSNN38002*	H 100 x L 200	18,2
5FSNN38001*	H 100 x L 250	21,5
5FSNN38000*	H 100 x L 300	25,0

Roofers Scaffold Bracket SL



Code	Dimensions [cm]	Weight [kg]
5FSL705000	L 170 x W 88	15,5

Safety Net



Code	Dimensions [cm]	Weight [kg]
5FPLA01900 mesh size 45, without snap buckle	L 200 x W1000	8,0
5FPLA01912 mesh size 45, without snap buckle	L 200 x W1000	10,0
5FPLA01902 mesh size 100, without snap buckle	L 200 x W1000	4,7
5FPLA01916 mesh size 100, without snap buckle	L 200 x W1000	5,5
5FPLA02121 snap buckle supplied separately		

Side Brackets

Side Bracket SL

With Side Brackets the scaffold can be extended towards the inside or the outside.

Side Bracket SL W32 H50



Code	Dimensions [cm]	Weight [kg]
5FSLN16500	W 32 w/o connection spigot	3,5

Side Bracket SL W32 H50



Code	Dimensions [cm]	Weight [kg]
5FSLN15500	W 32 w. connection spigot	5,5

Side Bracket SL W64 H50



Code	Dimensions [cm]	Weight [kg]
5FSLN16000	W 64	8,0

Side Bracket SL W74 H50

to offset by one frame width



Code	Dimensions [cm]	Weight [kg]
5FSLN15000	W 74	10,3

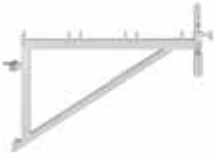
Side Bracket Support SL

to reinforce brackets



Code	Dimensions [cm]	Weight [kg]
5FSLN20500	L 200 x W 74	8,2
5FSLN20501	L 214 x W 110	8,8

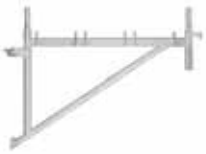
Side Bracket SL W96 H50



Code	Dimensions [cm]	Weight [kg]
5FSLN11500	W 96	9,7

Side Bracket SL W110 H50

to offset by one frame width



Code	Dimensions [cm]	Weight [kg]
5FSLN05500	W 110	12,2

Extension Side Bracket SL

to extend or shorten the bay length by 50 cm



Code	Dimensions [cm]	Weight [kg]
5FSLN22000	W 50	6,5

Timber Deck SL for Extension Side Bracket



Code	Dimensions [cm]	Weight [kg]
5FSLN21500	L 70 x W 46	8,3
5FSLN21501	L 110 x W 46	10,9

Intermediate Transom SL



Code	Dimensions [cm]	Weight [kg]
5FSL716100 SL 70	W 74	4,1
5FSL116500 SL 100	W 110	5,3

Deck Retainer SL

to secure decks on brackets



Code	Dimensions [cm]	Weight [kg]
5FSLN59000	W 74	2,7
5FSLN59001	W 110	3,3

Recess Bracket

Enables use of standard brackets independent of the frame position.

Upper Recess Bracket SL



Code	Dimensions [cm]	Weight [kg]
5FSLN26000*		10,7

Lower Recess Bracket SL

adjustable, enables the assembly of the upper recess bracket



Code	Dimensions [cm]	Weight [kg]
5FSLN26500*		4,7

Lattice Girders, Bridges

Bridging Beam SL

Bridging Beams SL with spans up to 750 cm are used for bridging spans, cantilevering out and other special applications. The Support Spigot at the upper beam enables a comfortable erection of scaffolds on top of two spanned beams.

Bridging Beam SL

axle distance 40 cm, height 45 cm, steel tube Ø 48,3 mm



Code	Dimensions [cm]	Weight [kg]
5FSNN04000	L 500	49,9
5FSNN04001	L 600	58,9
5FSNN04002	L 750	76,4

Adapter for Intermediate Heights

To receive SL Decks in combination with the Bridging Beam and for intermediate heights in Vertical Frames.

Adapter for Intermediate Heights SL



Code	Dimensions [cm]	Weight [kg]
5FSL716000 SL 70	W 74	3,8
5FSL116000 SL 100	W 110	4,9

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 maybe extended using connection spigots



Code	Dimensions [cm]	Weight [kg]
5FSOG84500	H 40 x L 320	30,3
5FSOG84501	H 40 x L 420	39,2
5FSOG84502	H 40 x L 520	48,2
5FSOG84503	H 40 x L 620	57,1
5FSOG84504	H 40 x L 770	71,2
5FSOG84505	H 40 x L 820	75,8

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 maybe extended using connection spigots



Code	Dimensions [cm]	Weight [kg]
5FSOG35003	H 70 x L 400	46,7
5FSOG35002	H 70 x L 500	52,9
5FSOG35001	H 70 x L 600	68,0
5FSOG35000	H 70 x L 700	73,2

Alu-Lattice Girder

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

Alu Lattice Girder H40

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




Code	Dimensions [cm]	Weight [kg]
5FSOG85000	H 40 x L 320	12,6
5FSOG85001	H 40 x L 420	16,3
5FSOG85002	H 40 x L 520	19,9
5FSOG85003	H 40 x L 620	23,6
5FSOG85004	H 40 x L 770	29,4
5FSOG85005	H 40 x L 820	31,2

Steel Decking Rail SL

The Steel Decking Rails SL match to the lengths of the lattice girders. They can be assembled to the upper beam and as such enable plane work areas with system decks.


Steel Decking Rail SL for Lattice Girder

	Code	Dimensions [cm]	Weight [kg]
	5FSLN30007 2-deck	L 70	3,6
	5FSLN30000 3-deck	L 100	4,7
	5FSLN30003 4-deck	L 130	5,8
	5FSLN30001 5-deck	L 160	7,6
	5FSLN30005 6-deck	L 195	8,7


Connection 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 using 4 bolts with spring clips. Alternative use of special bolt with self securing nut is possible. Formed connection spigots are available to form a ridge joint for roof constructions.


Connecting Spigot Straight for Lattice Girder

	Code	Dimensions [cm]	Weight [kg]
	5FSOG02101 inclusive 4 connection bolts and spring clips per spigot		2,2

Bolt Ø 12 mm for Connection Spigot for Lattice Girder

	Code	Dimensions [cm]	Weight [kg]
	3ZBOL01200	L 60	

Circlip Ø 3,2 mm for Connection Spigot for Lattice Girder

	Code	Dimensions [cm]	Weight [kg]
	3ZFED10007	L 10	

Connecting Spigot Curved for Lattice Girder

inclusive 4 connection bolts and spring clips per spigot



Code	Dimensions [cm]	Weight [kg]
5FSOG41000		3,5
formed for the upper chord		
5FSOG41001		2,8
formed for the lower chord		

Special Bolt M 12 x 65 w. Self-Locking Nut



Code	Dimensions [cm]	Weight [kg]
5FSESMPP00		0,1

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 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.

Alu-Bridge

2,0 kN/m² capacity. Bridges longer than 616 cm: 1,5 kN/m² capacity



Code	Dimensions [cm]	Weight [kg]
5FSOG74004	L 416 x W 60	23,1
5FSOG74003	L 516 x W 60	28,5
5FSOG74002	L 616 x W 60	37,8
5FSOG74001	L 816 x W 60	64,3
5FSOG74000	L 1016 x W 60	90,4

Post Bracket




Code	Dimensions [cm]	Weight [kg]
5FSOG46000		1,2

Tie Rod




Code	Dimensions [cm]	Weight [kg]
7FAST08000	L 80	1,2
80 for 1 Aluminium Bridge		
7FAST14000	L 140	2,0
140 for 2 Aluminium Bridge		
7FAST20000	L 200	2,9
200 for 3 Aluminium Bridge		

Wing Nut

	Code	Dimensions [cm]	Weight [kg]
	5FFLM10001		0,3

Deck retainer


	Code	Dimensions [cm]	Weight [kg]
	5FKUP45502		1,2

Staircases

Alu-Staircase SL

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 SL transoms. Width = 65 cm, load capacity 2,0 kN/m².


Alu Staircase SL H200, 2 kN

	Code	Dimensions [cm]	Weight [kg]
	5FSLN40500	L 250 x W 65	27,5
	5FSLN40501	L 300 x W 65	32,5

Guard Rail

Guard rails for the aluminium staircases.

Outer Guard Rail Double for Alu Staircase SL H200

	Code	Dimensions [cm]	Weight [kg]
	5FSLN03500	L 250	15,4
	5FSLN03501	L 300	17,2

Inner Guard Rail Double for Alu Staircases H200

	Code	Dimensions [cm]	Weight [kg]
	5FSLN41000	L 250	14,8

Staircase Transom SL

Provides the locating point for the Alu-Staircase SL at ground level.

Alu Staircase Transom SL

	Code	Dimensions [cm]	Weight [kg]
	5FSL716500	W 74	3,3


Couplers

Standard Couplers

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


Normal Coupler

with approval Z-8.331-838, certificate DIN EN 74-RA-B, 9,1kN load capacity

	Code	Dimensions [cm]	Weight [kg]
	5FKUP10011 Ø 48/48, 19 A/F		1,1
	5FKUP10010 Ø 48/48, 22 A/F		1,1


Swivel Coupler

with approval Z-8.331-818, certificate DIN EN 74-SW-A, 5,2 kN load capacity

	Code	Dimensions [cm]	Weight [kg]
	5FKUP20017 Ø 48/48, 19 A/F		1,2
	5FKUP20019 Ø 48/48, 22 A/F		1,2


Tension Coupler

approval certificate DIN EN 74-SF-B, 6,1 kN load capacity, only in connection with tube connection spigot

	Code	Dimensions [cm]	Weight [kg]
	5FKUP65001 Ø 48, 22 A/F		1,4


Tube Connecting Spigot

approval certificate DIN EN 74-LS-B, for the use with tension coupler

	Code	Dimensions [cm]	Weight [kg]
	5FDIV10001		1,3


Distance Coupler

for connection of parallel scaffold tubes

	Code	Dimensions [cm]	Weight [kg]
	5FKUP17500 22 A/F	B 16	1,4
	5FKUP17501 22 A/F	B 11	1,4

Gravity Pin Coupler

enables the assembly of SL guard rails

	Code	Dimensions [cm]	Weight [kg]
	5FKUP50002 A/F 19		0,8
	5FKUP50001 A/F 22		0,8

Scaffold Tie Coupler

	Code	Dimensions [cm]	Weight [kg]
	5FKUP38001 19 A/F		1,0
	5FKUP38000 22 A/F		1,0

Ties


Scaffold Tie

Scaffold must be tied to a solid structure in such a way as to be able to withstand forces in both directions perpendicular to the surface of the structure (tension and compression). The anchorage of the scaffold should be in accordance with the methods described in the General Building Executive Authorisation, the manufacturers guides for the erection and use of the scaffold as well as any local or national requirements issued by trade executives.


Requirements per tying-in point are:

One clearance tie with double coupler or one scaffold tie with two double couplers.

Scaffold Tie w. Fork

	Code	Dimensions [cm]	Weight [kg]
	5FSLN25000	L 80	3,6


Scaffold Tie

	Code	Dimensions [cm]	Weight [kg]
	5FSNN24009	L 30	1,3
	5FSNN24010	L 50	2,0
	5FSNN24005	L 80	2,9
	5FSNN24000	L 110	3,9
	5FSNN24002	L 150	5,1

Eyebolt

12 mm Ø Steel, galvanised, welded eye.


Eyebolt

	Code	Dimensions [mm]	Weight [kg]
	5FDIV00106	L 95	0,1
	5FDIV00107	L 120	0,2
	5FDIV00108	L 160	0,2
	5FDIV00109	L 190	0,2
	5FDIV00110	L 230	0,3
	5FDIV00111	L 350	0,4

Expansion Anchor

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

Expansion Anchor

	Code	Dimensions [mm]	Weight [kg]
	5FDIV00105	L 70	
	5FDIV00149	L 100	
	5FDIV00150	L 130	

Plastic Cap

To cover 14 mm Ø drilled holes.

Plastic Cap


	Code	Dimensions [cm]	Weight [kg]
	5FDIV00104 for drilled holes Ø 14 mm		

Accessories

Spindle w. Coupler

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

Spindle w. Coupler

	Code	Dimensions [cm]	Weight [kg]
	5FSOG16501 19 A/F	H 50	2,6
	5FSOG16500 22 A/F	H 50	2,6

Rolling Tower from SL Parts

For erection of a steel rolling tower using standard SL-items. This rolling tower lends itself to working on ceilings outstandingly.

Rolling Beam SL L170

for tower with 74 cm width



Code	Dimensions [cm]	Weight [kg]
5FSL740000	W 170	16,1

Rolling Beam SL L300

for tower with 272 cm width



Code	Dimensions [cm]	Weight [kg]
5FSL741000	W 300	26,2

Podest Beam SL L272

for tower with 272 cm width



Code	Dimensions [cm]	Weight [kg]
5FSLN43500	W 272	32,9

Steel End Guard Rail Frame SL

for tower with 74 cm width



Code	Dimensions [cm]	Weight [kg]
5FSL764500 with 4 swivel pins	W 74	13,0

Steel Guard Rail Post SL w. 4 Swivel Pins

and eyebolt as retaining element



Code	Dimensions [cm]	Weight [kg]
5FSNN12500	H 100	3,5

Single End Guard Rail SL W272




Code	Dimensions [cm]	Weight [kg]
5FSLN46000	W 272	5,5


End Toeboard SL L272

	Code	Dimensions [cm]	Weight [kg]
	5FSLN45000	L 272	5,2

Upper Deck Retainer SL W272

	Code	Dimensions [cm]	Weight [kg]
	5FSLN44000	W 272	6,0
			27,90

Cross Vertical Brace SL W74/110


	Code	Dimensions [cm]	Weight [kg]
	5FSNN09000 with 2 half couplers	L 194	7,6

Castor

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

Castor 11.9 kN

with spindle 60 cm, adjustable height, Castor Ø 200 mm with brake, load capacity 11,9 kN, for balanced loading distribution

	Code	Dimensions [cm]	Weight [kg]
	5FSOG84000		9,0

Pig Tail Pin

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

Pig Tail Pin

	Code	Dimensions [cm]	Weight [kg]
	5FBIE00805		0,1

Swivel Pin SL

For later assembly.

Swivel Pin SL w. Nut M8



Code	Dimensions [cm]	Weight [kg]
5FSNN30000		0,1

Scaffold Canvas

To cover scaffolds for environmental protection against dust and dirt as well as weather protection canvas and nets are used. A variety of items are available in different types and dimensions. The scaffold has to be covered at the ends up to the building. It has to be anchored in accordance with the Building Authority permit and the guidelines for erection and use.

Scaffold Canvas 2,60

edge with eyelets, transparent white, approx.160 g/m², tensile strength approx. 650 N/5 cm



Code	Dimensions [cm]	Weight [kg]
5FPLA01700	L 1000 x W 260	6,0
5FPLA01701	L 2000 x W 260	12,0

Scaffold Canvas 3,10

edge with eyelets, transparent white, approx.160 g/m², tensile strength approx. 650 N/5 cm



Code	Dimensions [cm]	Weight [kg]
5FPLA01702	L 1000 x W 310	7,0
5FPLA01703	L 2000 x W 310	14,0

Nets

To cover scaffolds for environmental protection against dust and dirt as well as weather protection canvas and nets are used. A variety of items are available in different types and dimensions. The scaffold has to be covered at the ends up to the building. It has to be anchored in accordance with the Building Authority permit and the guidelines for erection and use.

Scaffold Net 2,50

for scaffold bays 250 cm, edge with eyelets, approx. 70 g/m², wind passage ability approx. 70 %



Code	Dimensions [cm]	Weight [kg]
5FPLA02006	L 1000 x W 250	1,8
5FPLA02007	L 2000 x W 250	3,6

Scaffold Net 3,00

for scaffold bays 300 cm, edge with eyelets, approx. 70 g/m², wind passage ability approx. 70 %



Code	Dimensions [cm]	Weight [kg]
5FPLA02004	L 1000 x W 300	2,2
5FPLA02005	L 2000 x W 300	4,4

One Way Plastic Tie

per 100 pieces 0,50 kg; tensile strength approx. 22,00 kg



Code	Dimensions [cm]	Weight [kg]
5FPLA02106		0,5

Ratchet Spanner

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

Ratchet Spanner



Code	Dimensions [cm]	Weight [kg]
5FSLÜ00200 for 19 A/F	L 30	0,8
5FSLÜ00202 for 22 A/F	L 30	0,8
5FSLÜ00201 for 19 A/F and 22 A/F	L 30	1,0

Scaffold Tubes

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

Steel Scaffold Tubes

wall thickness 3.2 mm



Code	Dimensions [cm]	Weight [kg]
5FRDR00014	L 100	3,8
5FRDR00016	L 200	7,5
5FRDR00018	L 300	11,3
5FRDR00020	L 400	15,1
5FRDR00022	L 500	18,9
5FRDR00024	L 600	22,6

Alu Scaffold Tubes

wall thickness 4.0 mm



Code	Dimensions [cm]	Weight [kg]
5FRDR00028	L 100	1,5
5FRDR00030	L 200	3,0
5FRDR00032	L 300	4,5
5FRDR00034	L 400	6,0
5FRDR00036	L 500	7,5
5FRDR00027	L 600	9,0

Stacking Paletts

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 available space is guaranteed. Also suitable for transport, erection and inventory purposes. All pallets have been designed for fork-lift or crane transport.

Pallet for Vertical Frames

for 20 vertical frames standing upright



Code	Dimensions [cm]	Weight [kg]
5FSL718000 for vertical frames SL 70	L 117 x W 74	31,4
5FSL118000 for vertical frame SL 100	L 117 x W 110	36,5

Pallet for Timber Decks

for storage of 44 timber decks



Code	Dimensions [cm]	Weight [kg]
5FSLN14000 consists of both mapped sideparts	L 125 x W 78	50,8

Pallet for Tubes 85x85

with 4 removable posts, load capacity 1.100 kg



Code	Dimensions [cm]	Weight [kg]
5FSOG11501	H 27 x L 85 x W 85	32,9

Pallet for Tubes 125x85

with 4 removable posts, load capacity 1.600 kg



Code	Dimensions [cm]	Weight [kg]
5FSOG11500	H 27 x L 125 x W 85	35,9

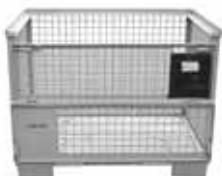
Pallet for Tubes 110x60

with welded on rectangular posts, load capacity 6.500 kg



Code	Dimensions [cm]	Weight [kg]
5FSOG69500	H 93 x L 110 x W 60	41,7

Crate



Code	Dimensions [cm]	Weight [kg]
5FDIV00120	H 80 x L 120 x W 100	80,0



* not available from stock

Distribution Partner Abroad

Austria

ALTRAD plettac assco GmbH
Betriebsstätte Österreich
Sigleithenstraße 51
3500 Krems
Fon: 0043- 2732 72055
Fax: 0043- 2732 7205515
info@plettac-assco.at

France

ALTRAD plettac sarl
12, Avenue de la Sabliere
94370 Sucy-en-Brie
Fon: 0033 - 1 49822700
Fax: 0033 - 1 45907327
plettac@plettac.fr

Lithuania

Ramirent UAB
Titnago g. 19
2600 Vilnius
Fon: 00370 - 52322140
Fax: 00370 - 52322141
info@ramirent.lt

Portugal

Tubus Vouga
E.N. 249-4 Trajouce
2785-591 Sao Domingos
de Rana
Fon: 00351 - 214459900
Fax: 00351 - 214459901
tubus@tubusvouga.pt

Switzerland

Baugerüste Tobler AG
Langenhagstr. 50
9424 Rheineck
Fon: 0041 - 718800810
Fax: 0041 - 718800815
info@baugerueste-tobler.ch

Belgium

ALTRAD Havico N.V.
Wingepark 5 b
3110 Rotselaar
Fon: 0032 - 16 448373
Fax: 0032 - 16 449373
info@havico.be

Great Britain

Access North
Unit F7, Castle Trading Estate
Priorslee, Telford
Fon: 0044 - 1952 612814
Fax: 0044 - 7812 361659
john.accessnorth@tiscali.co.uk

Norway

Westech AS
Dusavikveien 79
4007 Stavanger
Fon: 0047 - 51564941
Fax: 0047 - 51564911
office@westech.no

Spain

ALTRAD plettac Ibérica, S.A.
Ctra. Vilafranca 25
08811 Canyellas (Barcelona)
Fon: 0034 - 938188805
Fax: 0034 - 938188809
altrad@plettac.es

Ukraine

Plettac GmbH (Ukraine)
Kartvelischvili-str. 7/2
UKR-03148 Kiev
Fon: 0038 442765033
Fax: 0038 442767234
info@plettac.com.ua

Estonia

Ehitustööriist AS
Kodaka tee 131
0026 Tallin
Fon: 00372 - 6587974
Fax: 00372 - 6830808
ivar@ehitustööriist.ee

Italia

ALTRAD Italia srl
Via Enrico Fermi 20
20090 Assago, Milano
Fon: 0039 - 02 45712223
Fax: 0039 - 02 48843746
altrad.italia@iol.it

Poland

Baumann-Mostostal Sp.zo.o
Ul. Starzynskiego 1
08-110 Siedlce
Fon: 0048 256447284
Fax: 0048 256446262
rusztowania@baumann-
mostostal-siedlce.com

Sweden

Carenta Industri AB
Box 22237
10422 Stockholm
Fon: 0046 86535330
Fax: 0046 686535339
kundenservice@carenta.com

Malaysia

Premier Level SDN BHD
K-5372-1, Jalan Jakar,
Chukai
24000 Kemaman,
Terengganu
Fon: 0060-98591501
Fax: 0060-98594043
prelev@tm.net.my

Finland

Teline-Rami Oy
Louhostie 5
04300 Tuusula
Fon: 00358 - 9 2757051
Fax: 00358 - 92757052
tapio.turunen@telinerami.fi

Latvia

Ramirent SIA
Piedrujas 3 d
1073 Riga
Fon: 00371 - 9259982
Fax: 00371 - 7365454
rami@rami.lv

Middle East

MECS Middle East
Consultancies & Services
Baerenallee 4
D - 22041 Hamburg
Fon: 0049 - 40 38088414
Fax: 0049 - 40 38088416
ae@me-cs.com



ALTRAD plettac assco GmbH plettac Platz 1 D-58840 Plettenberg/Germany
Tel. +49(0)2391/815-01 Fax +49(0)2391/815-343 E-Mail info@plettac-assco.de www.plettac-assco.de