

QU

FACADE SCAFFOLDING

ASSCO QUADRO 70/100



PLETTAC
ASSCO
GERÜSTE
SCAFFOLDING

ISSUE 04/2017

Scaffolding examples quadro 70 - Bay length: 3.07 m

Standard Equipment	Scaffold Length x Working Height			
	Pos	Code	Description	
	1	5F00202000	Steel Vertical Frame W73, H200	
	2	5F00701093	Steel Deck L307, B32, U-Support	
	3	5F00202365	Vertical Brace L307, H200 w. wedge Coupler	
	4	5F00202166	Guard Rail L307	
	5	5F00202213	Double End Guard Rail W73, 19 A/F	
	6	5F00205293	Toeboard L307	
	7	5F00205312	End Toeboard L73	
	8	5F00202091	Guard Rail Support W73	
	9	5F00202023	End Guard Rail Frame W73	
10	5FSOG59006	Base Plate H40		
11	5F00202388	Horizontal Ledger L307 w. half Couplers 48.3, 19 A/F		
Total Weight				

	Weight	125,87 x 8,2	61,40 x 8,2	36,84 x 8,2	18,42 x 8,2	12,28 x 8,2
		1032 m ²	503 m ²	302 m ²	151 m ²	101 m ²
	20,4	126	63	39	21	15
	20,1	246	120	72	36	24
	8,3	27	12	9	6	3
	5,4	196	96	57	28	19
	3,7	2	2	2	2	2
	6,0	82	40	24	12	8
	1,6	4	4	4	4	4
	5,9	40	19	11	5	3
	11,6	2	2	2	2	2
	2,6	84	42	26	14	10
	10,7	9	4	3	2	1
		9877 kg	4856 kg	2971 kg	1549 kg	1055 kg

Ties	1	5F00202407	Scaffold Tie with Fork L65			3,0	44	23	15	9	7
	2	5FKUP10011	Normal coupler 48.3/48.3, 19 A/F			1,0	44	23	15	9	7
	3	5FDIV00107	Eyebolt 12 x 120mm			0,2	44	23	15	9	7
	4	5FDIV00105	Expansion Anchor 14mm, L 70			0,0	44	23	15	9	7
	5	5FDIV00104	Plastic Cap 14mm			0,0	44	23	15	9	7
	Total Weight				186 kg		97 kg	63 kg	38 kg	30 kg	

Supplementary Equipment									
1	5F00202166	Guard Rail L307		5,4	82	40	24	12	8
2	5F00202213	Double End Guard Rail W73, 19 A/F		3,7	2	2	2	2	2
3	5F00205293	Toeboard L307		6,0	41	20	12	6	4
4	5F00205312	End Toeboard L73		1,6	2	2	2	2	2
Total Weight					699 kg	347 kg	212 kg	111 kg	78 kg

The facade scaffolding-system assco quadro 70/100

73 cm wide, available in hot-dip galvanized steel and in aluminium; 109 cm wide, available in hot-dip galvanized steel.

Fully approved scaffolding system e. g. German Approval: Z-8.1-190, Z-8.1-849, Z-8.1-886, Z-8.1-914

The approval Z-8.1-914 regulates the combined use of components of the approval Z-8.1-190 (assco quadro) with components according to approval Z-8.1-16.2 (Layher Blitz 70).

With a small number of main components, the scaffold can be erected quickly and safely. The components are simply put together and secured by wedges. Supplementary components complete the system and guarantee a most productive and economical solution for every purpose. All steel items are hot-dip galvanized and manufactured for a durable use.

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

assco quadro, 73 cm wide, made of hot-dip galvanised steel, up to load class 3, according to EN 12811-1 (03/04), 2 kN/m².

assco quadro, 73 cm wide, made of aluminium, up to load class 3, according to EN 12811 (03/04), 2 kN/m².

With approved bay lengths of 1,57 m, 2,07 m, 2,57 m and 3,07 m.

assco quadro, 109 cm wide, made of hot-dip galvanized steel, for load classes 4 to 6, according to EN 128811-1 (03/04), 3 kN/m² up to 6 kN/m² (depending on decking and bay length).

The assco quadro facade scaffolding system is approved by the "Deutsches Institut für Bautechnik" in Berlin with the following approval numbers:

Z-8.1-190 assco quadro 70 steel, Z-8.1-849 assco quadro 100 steel and Z-8.1-886 assco quadro 70 aluminium

For additional heights or special constructions, tested statical calculations are available which can be provided.

Scaffolding parts have to be checked on their faultless condition before use.

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Used abbreviations:

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

LOGIC · EASY · BETTER

Technical solutions that convince

Locate base jacks



Assemble vertical frame and secure with guard rail



Add vertical brace and deck



Fit horizontal ledger and level out scaffolding bay



Forged instead of tin

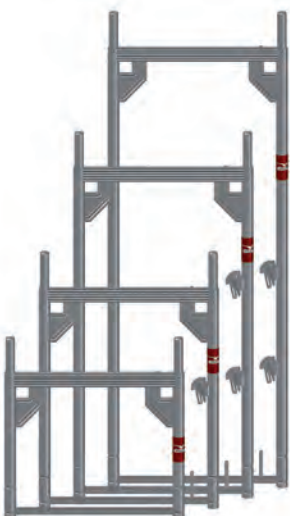
The captive, forged wedge to fix the guard rail generates an exceptional secure clamping effect due to the optimal combination of the slope of the wedge surface and the surface texture. In the aluminium frame the casted wedge housing without corners and sharp edges ensures the relief of the welds of the wedge effect. Safety reserves for the supportable loads are the result of these improvements.



Our dimensions:

Bay width: 0,73 m, 1,09 m

Bay length: 0,73 m, 1,09 m, 1,40 m, 1,57 m, 2,07 m, 2,57 m, 3,07 m



Functional versatility

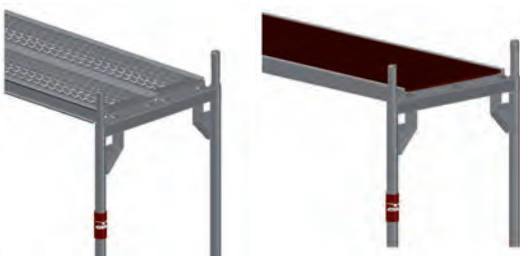
To deal with various scaffolding projects economically, you need a wide range of decks. The asco quadro facade scaffolding can offer the optimal decking for each scope of work and for each scaffolding project: hot-dip galvanized steel decks or light aluminium frame decks with aluminium or plywood surface, for the use in crafts and industry with low weight and high load carrying capacity.

For different horizontal ground levels and special structural conditions we offer balancing frames with heights of 0,66 m, 1,0 m and 1,5 m.



Longer-wider-shorter

For the extension of scaffoldings, we offer side brackets with widths of 1088, 732 and 356 mm. In case of extensions of scaffoldings outside of the general building approval described rule execution, separate verifications need to be provided. By using the 500 mm wide side bracket, bay lengths can be reduced or increased. The use of the side bracket support guarantees the perfect transfer of loads of the merging scaffolding into the frames located below. Eaves, balconies, recessed balcony etc. can be rebuilt without any problems. The mounting of frames on such porches will be avoided.








Safe load transmission


Two or three claws made of steel or aluminium at the assco decking indicate a safe transmission of the internal and external loads. At the same time horizontal stiffness of the scaffolding is generated. This gives the benefit of a staggered tie pattern.

Frames

Steel-Vertical Frame quadro


The u-profile on the top of the frame is supporting the decks. Guard rails or double guard rails are fixed by wedges. The vertical frames are available in different widths and heights. Made of steel tubes Ø 48.3 mm.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Steel-Vertical Frame quadro, W73, light				
	5F00202029	66 H x 73 W	10,5		24
	5F00202028	100 H x 73 W	13,4		24
	5F00202027	150 H x 73 W	16,7		24
	5F00202000	200 H x 73 W	20,4		24
	Quick Lock Wedge Pocket for steel vertical frames quadro W73 light				
	5F00202031		0,6		
	Steel-Vertical Frame quadro, W109				
	5F00202013	66 H x 109 W	12,9		24
	5F00202014	100 H x 109 W	16,2		24
	5F00202007	150 H x 109 W	19,8		24
	5F00202009	200 H x 109 W	23,9		24
	Steel-Vertical Frame quadro, W73 + W 109 w/ 4 wedges				
	5FA1013200	200 H x 73 W	21,5		24
	5F00202016	200 H x 109 W	24,3		24
	Steel-Vertical Frame quadro, W36, light				
	5F00202018	200 H x 36 W	17,8		24

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Inner Guard Rail Post				
	5FA1206601		3,5		


Alu Vertical Frame quadro

The u-profile on the top of the frame is supporting the decks. Guard rails or double guard rails are fixed by wedges. The vertical frames are available in different heights. The width of alu frames is 73 cm. Made of aluminum tubes Ø 48.3 mm.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Alu Vertical Frame quadro, W73				
	5F00203010	66 H x 73 W	4,6		24
	5F00203011	100 H x 73 W	6,1		24
	5F00203012	200 H x 73 W	9,4		24


Walk Through Frame quadro

Provides protection to pedestrians under an erected scaffold. The stiffness in horizontal direction will be realized by steel tubes and couplers, guard rails and ledgers. The 150 cm wide unit will be produced w/ 2 wedge pockets as opposed to the 175 cm wide one containing 4 wedge pockets.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Walk Through Frame quadro				
	5F00202195 4-deck	200 H x 150 W	33,4		12
	5F00202197 5-deck	200 H x 175 W	39,6		12


Fall Arrest Frame quadro

The steel fall arrest frame allows an easy widening of the scaffold outward to the formation of fall arrest scaffoldings relating to buildings w/ an roof overhang. You can also use it as an inside bracket, alternatively as a junction from quadro 70 to quadro 100.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Fall Arrest Frame quadro				
	5F00208000	200 H x 73/109 W	22,7		24 ©


Side Bracket Frame quadro

Used for scaffolding in facades with projections.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Side Bracket Frame quadro, W73				
	5F00202019	200 H x 73 W	23,8		24

Adapter quadro


The adapter quadro allows the quadro 70 scaffold to be erected on top of the quadro 100.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Adapter quadro, W109				
	5F00202032	109 W	6,4		

Bracing


Vertical Brace quadro

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 diagonal bracing has to be installed based on the relevant local building regulations / product approvals and according to the installation manual.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Vertical Brace quadro, w/ Wedge Coupler				
	5F00202362	240 L	6,7		50
	for bays 157 x 200 cm, w/ 2 Wedge Couplers				
	5F00202363	280 L	6,6		50
	for bays 207 x 200 cm				
	5F00202364	320 L	7,4		50
	for bays 257 x 200 cm				
	5F00202365	360 L	8,3		50
	for bays 307 x 200 cm				
	5F00202358	414 L	14,9		50
	for bays 414 x 200 cm				


Cross Vertical Brace

The cross vertical brace supports brackets and reinforces vertical frames. W/ 2 swivel half couplers 19 or 22 A/F.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Cross Vertical Brace				
	5F00202366	170 L	4,9		50
	19 A/F				
	5FSNN09000	194 L	7,6		50
	22 A/F				

Horizontal Ledger



Necessary to reinforce the lowest lift of all bays braced vertically. W/ 2 half couplers A/F 19.

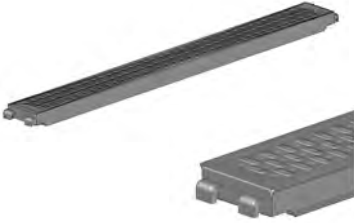
Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Horizontal Ledger quadro				
	5F00202386	207 L	7,6		50
	5F00202387	257 L	9,1		50
	5F00202388	307 L	10,7		50

Decks and Access Decks

Steel Deck U-Support

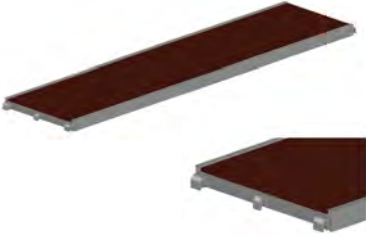
Lightweight perforated steel constructions w/ integrated handles welded underneath for easy assembly. Load capacity up to load class 6 enables cost efficient scaffold designs. The decks should be checked before use. The 19 cm steel filler decks will be used to close gaps at wider bays.

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, 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

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Steel Deck quadro, W19				
	5F00702099	7,8 H x 73 L	5,0	6	60
	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

Alu Frame Deck w/ full aluminium surface or high-quality, molder-resistant and water-proof plywood surface according to BFU 100 G. Alu frame w/ 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	25
	5F00703146	7,3 H x 109 L	8,4	3	25
	5F00703147	7,3 H x 157 L	11,9	3	25
	5F00703148	7,3 H x 207 L	15,5	3	25
	5F00703149	7,3 H x 257 L	18,7	3	25
	5F00703150	7,3 H x 307 L	24,0	3	25





Alu Deck U-Support

Aluminium extrusion profile w/ 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 w/ full aluminium surface or high-quality, molder resistant and water-proof plywood surface according to BFU 100 G. Alu frame w/ solid aluminium claws for u-support. Available w/ 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	25
	5F00703152	7,3 H x 307 L	28,5	3	25
	Alu-Access Deck quadro, W61, w/ Plywood Surface, w/o Ladder can be combined w/ internal ladder quadro				
	5F00703249	7,3 H x 157 L	12,2	3	25
	5F00703250	7,3 H x 207 L	16,0	3	25
	5F00703251	7,3 H x 257 L	19,1	3	25
	5F00703252	7,3 H x 307 L	24,4	3	25
	Alu-Access Deck quadro, W64, w/ Alu Surface, w/o Ladder				
	5F00703610	8,1 H x 207 L	17,0	4	22
	Alu-Access Deck quadro, W64, w/ Alu Surface and Ladder				
	5F00703611	8,1 H x 257 L	23,5	4	22
	5F00703612	8,1 H x 307 L	27,0	3	22

Steel Internal Ladder quadro


Independent steel ladder for internal scaffold access.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Steel Internal Ladder quadro				
	5F00512105	35 W x 215 L	9,0		25
	Alu Internal Ladder quadro				
	5F00513600	35 W x 215 L	4,1		25

Side Protection

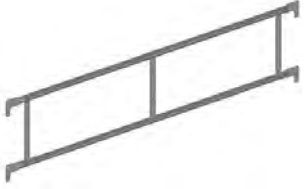

Guard Rail quadro

The guard rails are used as side protection and are connected to the frames by wedges.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Guard Rail quadro				
	5F00202167	73 L	1,5		56
	5F00202162	109 L	2,1		56
	5F00202163	157 L	2,9		56
	5F00202164	207 L	3,8		56
	5F00202165	257 L	4,6		56
	5F00202166	307 L	5,4		56



Double Guard Rail quadro

The double guard rails provides more rigidity to the scaffold. 1 double guard rail instead of 2 single guard rails. Double guard rails are also being fixed by wedges.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ	
	Steel Double Guard Rail quadro					
	5F00202185	157 L	7,1		20	
	5F00202186	207 L	8,8		20	
	5F00202187	257 L	11,1		20	
	5F00202188	307 L	12,8		20	
	5F00202184	414 L	17,1		20	Ⓢ
	Alu Double Guard Rail quadro					
	5F00203220	157 L	3,4		25	
	5F00203221	207 L	4,2		25	
	5F00203222	257 L	5,0		25	
	5F00203223	307 L	5,8		25	



Double End Guard Rail

The double end guard rails are side protections and closes the head end of scaffold.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ	
	Double End Guard Rail quadro					
	5F00202215	43 H x 36 W	3,0		30	Ⓢ
	5F00202213	43 H x 73 W	3,7		30	
	5F00202204	43 H x 109 W	4,9		30	
	End Guard Rail quadro, single					
	5F00202209 19 A/F	73 W	2,0		30	Ⓢ
	5F00202206 19 A/F	109 W	2,9		30	Ⓢ


Toeboard quadro

Toeboards are to be installed at platform height and complete the required three part side protection. They are connected to toeboard pins welded to the lower transom of the quadro frame.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Timber Toeboard for quadro Decks				
	individual colour coating and labelling is possible on request.				
	5F00205288	15 H x 73 L	1,6		105
	5F00205289	15 H x 109 L	2,3		105
	5F00205290	15 H x 157 L	3,2		105
	5F00205291	15 H x 207 L	4,1		105
	5F00205292	15 H x 257 L	5,1		105
	5F00205293	15 H x 307 L	6,0		105
	5F00205294	15 H x 414 L	8,1		105
	Steel Toeboard for quadro Decks				
	5F00205388	15 H x 73 L	2,2		70
	5F00205389	15 H x 109 L	3,1		70
	5F00205390	15 H x 140 L	3,9		70
	5F00205391	15 H x 157 L	4,4		70
	5F00205392	15 H x 207 L	5,7		70
	5F00205393	15 H x 257 L	7,0		70
	5F00205394	15 H x 307 L	8,3		70







End Toe Board quadro



End toe boards are completing the three part side protections at the end of the scaffold.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	End Toe Board quadro				
	5F00205311	15 H x 36 L	0,9		Ⓢ
	5F00205312	15 H x 73 L	1,6		
	5F00205313	15 H x 109 L	2,2		

Top Level Protection quadro

The top level is protected by guard rail posts and upper deck retainers or by guard rail supports. The ends are closed by end guard rail frames.




Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Guard Rail Post quadro, w/ Toeboard Pin				
	5F00202085	100 H	5,3		12
	steel				
	5F00203084	100 H	2,4		24
	Guard Rail Post quadro, w/o Toeboard Pin				
	5F00202093	100 H	5,1		12
	steel				
	5F00712023	100 H	2,2		24
	Steel Guard Rail Support quadro light				
	5F00202091	100 H x 73 W	5,9		12
	5F00202092	100 H x 109 W	6,9		12
	Steel Guard Rail Support quadro light, w/ Connection Spigot				
	5F00202089	100 H x 73 W	6,5		12
	5F00202090	100 H x 109 W	7,6		12
	Alu Guard Rail Support quadro				
	5F00203083	100 H x 73 W	3,0		24
	Top End Guard Rail Frame quadro, light				
	w/ 2 Wedge Pockets				
	5F00202023	100 H x 73 W	11,6		20
	5F00202024	100 H x 109 W	13,6		20

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ	
	Top End Guard Rail Frame quadro light, w/ Connection Spigot w/ 2 Wedge Pockets					
	5F00203023	100 H x 73 W	12,8		20	©
	5F00203024	100 H x 109 W	14,7		20	
		Alu Guard Rail Frame quadro w/ 2 Wedge Pockets				
5F00203080		100 H x 73 W	5,3		20	

Base Plates

Base Plates





A number of base plates in various heights 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)	LC	PQ	
	Base Plate					
	tubular spindle w/ round thread, fitted w/ wing nut and 15x15 cm base plate					
	5FSOG59006	40 H	2,6		250	
	5FSOG59007	60 H	3,3		200	
	5FSOG59008	80 H	3,9		200	
	5FSOG59004	110 H	4,8		200	
	follow static calculation					
5FSOG60000	78 H	6,0		200		
tilting						
	Base Plate w/o Vertical Adjustment					
	5FSOG48000	15 W x 15 L	1,1			

Fall Arrest / Pedestrian Protection


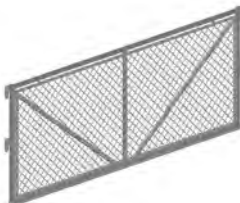
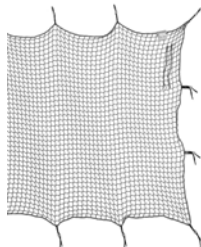
Head Fan quadro

To provide safety to traffic along the scaffold head fans quadro are available. The area is closed by steel decks or alu frame decks. The head fan is cantilevering 134 cm.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Head Fan Side Bracket quadro				
	5F00202198	134 W	18,6		Ⓢ
	Weather Protection Post quadro				
	5F00202200	260 H	13,2		Ⓢ
	Guard Rail for Weather Protection Post quadro				
	5FA1125700	157 L	2,8		Ⓢ
	5FA1125701	207 L	3,6		Ⓢ
	5FA1125702	257 L	4,5		Ⓢ
	5FA1125703	307 L	5,3		Ⓢ
	Weather Protection Top End Frame quadro				
	5FA0717900	87 H x 73 W	10,9		

Fall Arrest

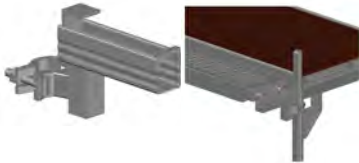


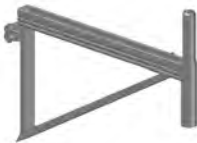

For assembling fall arrest scaffolds the supports are to be fixed on top level and connected w/ the fall arrest mesh panels. Safety nets used w/ guard rails instead of mesh panels are alternatively available. In that case the nets have to be secured by using snap buckles to the upper and lower guard rails. The recommended distance between the snap buckles is 75 cm.



Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ	
	Support quadro for Fall Arrest Mesh Panel					
	w/ 5 wedge pockets					
	5F00202284	200 H x 73 W	13,5		12	
	5F00202282	200 H x 109 W	13,8		12	
	Fall Arrest Mesh Panel quadro					
	5F00202110	100 H x 157 L	17,0		20	Ⓢ
	5F00202111	100 H x 207 L	21,7		20	Ⓢ
	5F00202112	100 H x 257 L	25,3		20	Ⓢ
	5F00202113	100 H x 307 L	28,9		20	Ⓢ
	Safety Net					
	5FPLA01900	1000 W x 200 L	8,9		4	Ⓢ
	mesh size 45, w/o snap buckle					
	5FPLA01912	1000 W x 200 L	9,8		4	Ⓢ
	mesh size 45, w/ snap buckle					
	5FPLA01902	1000 W x 200 L	4,7		4	
	mesh size 100, w/o snap buckle					
	5FPLA01916	1000 W x 200 L	5,5		4	
	mesh size 100, w/ snap buckle					
	5FPLA02121	snap buckle supplied separately				

Side Brackets

Side-Bracket



Side brackets are used to extend the scaffold.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Side-Bracket quadro, W22 for steel decks W19				
	5F00202221	22 W	2,1		30
	19 A/F				
	Side-Bracket quadro, W36				
	5F00202220	36 W	3,6		30
	w/ Connecting Spigot, A/F 19				
	5F00202235	36 W	2,6		30
	w/o Connecting Spigot, A/F 19				
	Side-Bracket quadro, W50				
	5F00202218	50 W	5,1		30
	w/ Connection Spigot, 19 A/F				
	Side-Bracket quadro, W73				
	5F00202222	73 W	6,8		30
	w/ Connecting Spigot, 19 A/F				
	Side-Bracket quadro, w/ 2 Half Couplers				
	5FA1225300	50 H x 73 W	11,1		30
	w/ 2 Connecting Spigots, 19 A/F				
	5FA1225301	50 H x 63 W	7,9		30
	w/ Connecting Spigot, 19 A/F				

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ	
	Side-Bracket quadro, W109 to be used w/ static approval and cross vertical brace only					
	5F00202219	109 W	11,4		30	
w/ Connecting Spigot, 19 A/F						
	Variable Bracket quadro, 1-deck, 2-decks side bracket w/ dual use option of 1 or 2 decks width					
	5F00202234	32 H x 64 W	4,9		30	Ⓢ
w/o Connection Spigot, 19 A/F						
	Corner Deck quadro to close gaps in scaffold corners, folding, to be used in combination w/ side bracket 36, corner deck can be modified for use as right or left hand application					
	5F00202240	32 W	7,3			Ⓢ
	Upper Deck Retainer quadro					
	5F00202105	36 W	1,0			Ⓢ
	5F00202106	73 W	1,9			Ⓢ
	5F00202107	109 W	2,7			Ⓢ



Cantilever Platform quadro

The cantilever platform allows to extend the width of the working scaffolding by 150 mm towards the façade w/o using additional equipment. The decks are assembled to the inside standard. In case they are not needed anymore they can be stacked w/o changing the main scaffolding. The cantilever platforms have to be secured by pig tail pins. Applicable in combination w/ steel frames.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Cantilever Platform quadro				
	5F00705505	20 W x 73 L	4,9	3	50
	5F00705504	20 W x 109 L	6,5	3	50
	5F00705503	20 W x 157 L	8,6	3	50
	5F00705502	20 W x 207 L	10,7	3	50
	5F00705501	20 W x 257 L	12,9	3	50
	5F00705500	20 W x 307 L	15,0	3	50
	End Cantilever Platform quadro				
	5F00705600	16,5 W x 73 L	4,4	3	
	5F00705601	16,5 W x 109 L	6,5	3	

Recess Bracket


Enables use of standard brackets independent of the frame position. Adjustable for two and three board wide scaffolds.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Upper Recess Bracket SL/quadro				
	5FSLN35500		11,0		
	Lower Recess Bracket SL/quadro				
	adjustable, enables the assembly of the upper recess bracket				
	5FSLN35000		4,9		

Lattice Girders, Bridges

Bridging Beam quadro


Lattice girders quadro w/ spans up to 771 cm are used for bridging spans. The support spigot at the upper beam enables a comfortable erection of scaffolds on top of two spanned beams.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Bridging Beam quadro axle distance 40 cm, height 45 cm, steel tube Ø 48,3 mm				
	5F00602280	514 L	51,1		10
	5F00602285	614 L	60,1		10
	5F00602290	771 L	78,1		10



Adapter for Intermediate Heights quadro


Used to assemble quadro decks combined w/ quadro lattice girders and for different heights at the vertical frame. U-Profile w/ welded half couplers 19 A/F.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Adapter for Intermediate Heights quadro				
	5F00202036	73 W	3,6		50
	for vertical frame quadro W73				
	5F00202037	109 W	4,9		50

for vertical frame quadro W109

Intermediate Transom for Lattice Girder


Used to assemble decks and frames at lattice girder bridges and system free lattice girders. U-Profile w/ welded half coupler 19 A/F and tube connection spigots.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Intermediate Transom quadro for Lattice Girder				
	5F00202038	73 W	5,2		50
	5F00202039	109 W	8,4		50



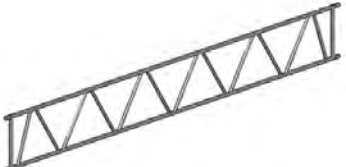
Steel Lattice Girder

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.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	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				
	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 Duty Lattice Girder

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

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	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				
	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 girders, but in aluminium. Height = 45 cm.

Article	Code	Dimensions (cm)	Weight (kg)	LC	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


Transverse Frame for Lattice Girders

Used to reinforce lattice girders w/o additional horizontal bracing. Used w/ lattice girders H40. Installed at the outside or the inside. Fits all SL or quadro frames. Different parts for 70 or 100 frame width. Please refer to technical information.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Transverse Frame for Lattice Girders				
	5FA0900902 for 70 frames		9,6		10
	5FA0900903 for 100 frames		11,0		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 w/ standard decks.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	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 w/ spring clips. Alternative use of special bolt w/ self securing nut is possible. Curved connection spigots are available to form a ridge joint for roof constructions.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Connecting Spigot, straight, for Lattice Girder				
	5FSOG02101		2,2		
	inclusive 4 connection bolts and spring clips per spigot				
	Bolt Ø 12 mm for Connection Spigot for Lattice Girder				
	3ZBOL01200	6 L	0,1		
	Spring Clip Ø 3,2 mm for Connection Spigot for Lattice Girder				
	3ZFED10007	10 L			
	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		3,5		Ⓢ
	formed for the upper chord				
	5FSOG41001		2,8		Ⓢ
	formed for the lower chord				
	Bolt M 12 x 70 w/ Nut				
	3ZSES01203		0,1		

Alu Bridge

Aluminium bridges w/ a lengths of up to 10 m are designed for bridging spans and to build ceiling scaffolds. Post brackets are available for use w/ 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)	LC	PQ
	Alu Bridge 2.0 kN/m ² capacity, bridges longer than 616 cm: 1.5 kN/m ² 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 w/ Toeboard Pin				
	5FSOG46000		1,2		
	Tie Rod				
	7FAST08000	80 L	1,2		
	80 for 1 aluminium bridge				
	7FAST14000	140 L	2,0		
	140 for 2 aluminium bridges				
	7FAST20000	200 L	2,9		©
	200 for 3 aluminium bridges				
	Wing Nut				
	5FFLM10001		0,4		
	Deck Retainer				
	5FKUP45502		1,0		

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Special Post Bracket allows a system independent arrangement of guard rails, made up of:				
	5F00491001	122 L	2,0		Ⓢ
	guard rail post				
	5F00491002		0,4		Ⓢ
	post clip				
	5F00491003		0,4		Ⓢ
	clip				

Staircases



Alu Staircase U-Support



Designed for external scaffold access w/o reducing the working space. Full aluminium staircase w/ 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)	LC	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	14,0		10

Guard Rail



Steel guard rails for aluminium staircases.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Stair Head Guard Rail matching for all types of aluminium stairs				
	5FSLN00600	200 H	14,7		
	5FSLN00601	100 H	11,3		
	Outer Guard Rail Double quadro for Alu Staircase				
	5F00203313	200 H	15,7		20
	for system length 257 cm				
	5F00203314	200 H	17,5		20
	for system length 307 cm				

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Inner Double Guard Rail for Alu Staircases H200 matching for all types of aluminium stairs				
	5FSLN41000	250 L	14,8		20
	Below Stair Stringer matching for aluminium stairs				
	5FSLN42000		4,6		

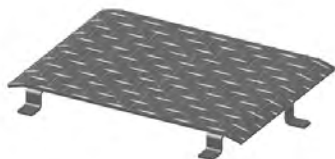
Staircase Transom quadro

Provides support for the aluminium staircase quadro or decks at ground level.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Alu Staircase Transom quadro for additional staircases in front of facade scaffolds				
	5F00202033	73 W	3,8		
	Foot Transom quadro				
	5F00202034	73 W	2,9		
	5F00202035	109 W	4,1		

Gap Deck


For bridging the gaps of advanced scaffolding fields.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Gap Deck				
	5F00207000		1,7		
	for Alu Staircase L257				
	5F00207001		2,9		
	for Alu Staircase L307				

Couplers






Wedge Coupler


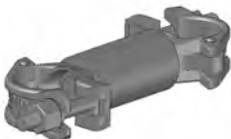

For the connection of scaffold items w/ Ø 48.3 mm.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Wedge Coupler, turnable				
	5FKUP83010		1,5	20 pieces/bag	©

Standard Couplers


Steel, drop-forged w/ t-bolt and shoulder nut. W/ hot-dip galvanised t-bolt and shoulder nut.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Normal Coupler				
	3rd party approved according to EN 74-1, safe working load: 9.1 kN				
	5FKUP10011		1,0	20 pieces/bag	
	Ø 48/48, 19 A/F				
	5FKUP10010		1,0	20 pieces/bag	
	Ø 48/48, 22 A/F				
	Swivel Coupler				
	3rd party approved according to EN 74-1, safe working load: 9.1 kN				
	5FKUP20017		1,2	20 pieces/bag	
	Ø 48/48, 19 A/F				
	5FKUP20019		1,2	20 pieces/bag	
	Ø 48/48, 22 A/F				
	Tension Coupler				
	3rd party approved according to EN 74-1, safe working load: 3.6 kN to be combined w/ tube connection spigot forged				
	5FKUP65002		1,3	15 pieces/bag	
	Ø 48, 19 A/F				
	5FKUP65001		1,3	15 pieces/bag	
	Ø 48, 22 A/F				

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Tube Connecting Spigot forged according to EN 74-3				
	5FDIV10001		1,3	20 pieces/bag	
	Distance Coupler for connection of parallel scaffold tubes				
	5FKUP17506 19 A/F	40 L	1,6	15 pieces/bag	
	5FKUP17500 22 A/F	16 L	1,5	15 pieces/bag	
	5FKUP17501 22 A/F	11 L	1,3	15 pieces/bag	
	Scaffold Tie Coupler used w/ a tube Ø 48.3 mm as scaffold tie				
	5FKUP38001 19 A/F		1,0	20 pieces/bag	
	5FKUP38000 22 A/F		1,0	20 pieces/bag	

Guard Rail Coupler quadro



Steel, drop-forged w/ t-bolt, shoulder nut and wedge pocket.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Guard Rail Coupler quadro				
	5F00202312 19 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 w/ 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 w/ double coupler or one scaffold tie w/ two double couplers.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Scaffold Tie				
	5FSNN24009	30 L	1,3		
	5FSNN24010	50 L	1,9		
	5FSNN24005	80 L	2,9		50
	5FSNN24000	110 L	3,9		100
	5FSNN24002	150 L	5,2		100
	Clearance Tie				
	5F00202407	65 L	3,0		


Eyebolt

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

Article	Code	Dimensions (mm)	Weight (kg)	LC	PQ
	Eyebolt				
	5FDIV00106	90 L	0,2		150
	5FDIV00107	120 L	0,2		100
	5FDIV00108	160 L	0,3		100
	5FDIV00109	190 L	0,3		100
	5FDIV00110	230 L	0,3		100
	5FDIV00111	350 L	0,4		50


Expansion Anchor

Plastic, for eyebolts w/ wood screw thread. 12 mm fits 14 mm Ø drilled hole.

Article	Code	Dimensions (mm)	Weight (kg)	LC	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)	LC	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)	LC	PQ
	Spindle w/ Coupler				
	5FSOG16501 19 A/F	50 H	2,9		Ⓢ
	5FSOG16500 22 A/F	50 H	2,9		Ⓢ


Castor

To insert into scaffolding tubes. 200 mm Ø wheel, height adjustable of max. 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 w/ castors have to be designed in compliance w/ local regulations. Brakes enable locking of independent scaffold.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Castor 11.9 kN w/ spindle, adjustable height 45 cm, castor Ø 200 mm w/ 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)	LC	PQ
	Pig Tail Pin				
	5FBIE00805		0,1		

Scaffold Canvas




Scaffold canvases are used as a weather protection and to cover scaffoldings to protect the environment of dust and dirt. 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 w/ the local health and safety regulations and the guidelines for erection and use.

Article	Code	Dimensions (m)	Weight (kg)	LC	PQ
	Scaffold Canvas 2,60 m edge w/ eyelets, transparent white, approx. 150 g/m², tensile strength approx. 600 N/5cm, length = meter				
	5FPLA01700	2,6 B x 10 L	3,0		4
	5FPLA01701	2,6 B x 20 L	6,5		4

Article	Code	Dimensions (m)	Weight (kg)	LC	PQ
	Scaffold Canvas 3,10 m edge w/ eyelets, transparent white, approx. 150 g/m ² , tensile strength approx. 600 N/5cm, length = meter				
	5FPLA01702	3,1 B x 10 L	3,5		4
	5FPLA01703	3,1 B x 20 L	7,0		4


Nets

Scaffold nets are used as additional protection and to cover scaffoldings to protect the environment of dust and dirt. 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 w/ the local health and safety regulations and the guidelines for erection and use.

Article	Code	Dimensions (m)	Weight (kg)	LC	PQ
	Scaffold Net 2,50 m / 2,57 m edge w/ eyelets, approx. 50 g/m ² , wind passage ability approx. 45-50 %, tensile strength approx. 400 N/5cm, length = meter				
	5FPLA02006	2,57 B x 10 L	1,9		4
	5FPLA02007	2,57 B x 20 L	3,6		4
	Scaffold Net 3,00 m / 3,07 m edge w/ eyelets, approx. 50 g/m ² , wind passage ability approx. 45-50 %, tensile strength approx. 400 N/5cm, length = meter				
	5FPLA02004	3,07 B x 10 L	2,2		4
	5FPLA02005	3,07 B x 20 L	4,3		4
	One Way Plastic Tie per 100 pieces 0,50 kg, tensile strength approx. 22,00 kg				
	5FPLA02106				100



Ratchet Spanner

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

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	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 in either steel or aluminium. Ø 48.3 mm.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Steel Scaffold Tube, wall thickness 3.20 mm marked according to EN39				
	5FRDR90014	100 L	3,6		61
	5FRDR90016	200 L	7,1		61
	5FRDR90018	300 L	10,7		61
	5FRDR90020	400 L	14,2		61
	5FRDR90022	500 L	17,8		61
	5FRDR90024	600 L	21,4		61
	Alu Scaffold Tube, wall thickness 4.00 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 on the site or in the depot. Designed w/ 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 transport.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Pallet for Vertical Frames for 20 vertical frames standing upright				
	5FSL718500	74 W x 119 L	36,6		
	5FSL118500	110 W x 119 L	41,3		
	Pallet for Tubes, 85x85 w/ 4 removable posts, load capacity 1.100 kg 5FSOG11501 27 H x 85 W x 85 L 31,6				
	Pallet for Tubes, 125x85 w/ 4 removable posts, load capacity 1.600 kg 5FSOG11500 27 H x 85 W x 125 L 38,6				
	Pallet for Tubes, 110x60 w/ welded on rectangular posts, load capacity 6.500 kg 5FSOG69500 93 H x 60 W x 110 L 42,1				
	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				

Safety at work


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)	LC	PQ
	Advanced Guard Rail Post				
	aluminium				
	5F00206600		5,8		
	Telescopic Guard Rail				
	aluminium				
	5F00206800		2,5	60	Ⓢ
	for Advanced Guard Rail 207, bay length 1.50 m - 2.07 m				
	5F00206700		3,0	60	
	for Advanced Guard Rail 307, bay length 2.00 m - 3.07 m				


Side Bracket quadro for Advanced Guard Rail

Easy assembly by hooking the bracket to the upper transom of the frame. Advanced guard rail is realized by standard guard rail post alu and standard guard rails. Please refer to application instruction.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Side Bracket quadro for Advanced Guard Rail				
	5FA1021800				
			3,3		Ⓢ


PSA-Premium-Set

Personal Safety Equipment produced by Miller, according to DIN EN 361, available in two sizes; set existing of:

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

Scaffolding Safety Helmet

Safety helmet produced by Kask, approved for industrial use.

Article	Code	Dimensions (cm)	Weight (kg)	LC	PQ
	Scaffolding Safety Helmet Kask Plasma AQ				
	approve for industrial use				
	5FDIV70902		0,4		
	colour white w/ logo ALTRAD plettac assco				
	5FDIV70903		0,4		
	colour red				
	5FDIV70904		0,4		
	colour blue				

