

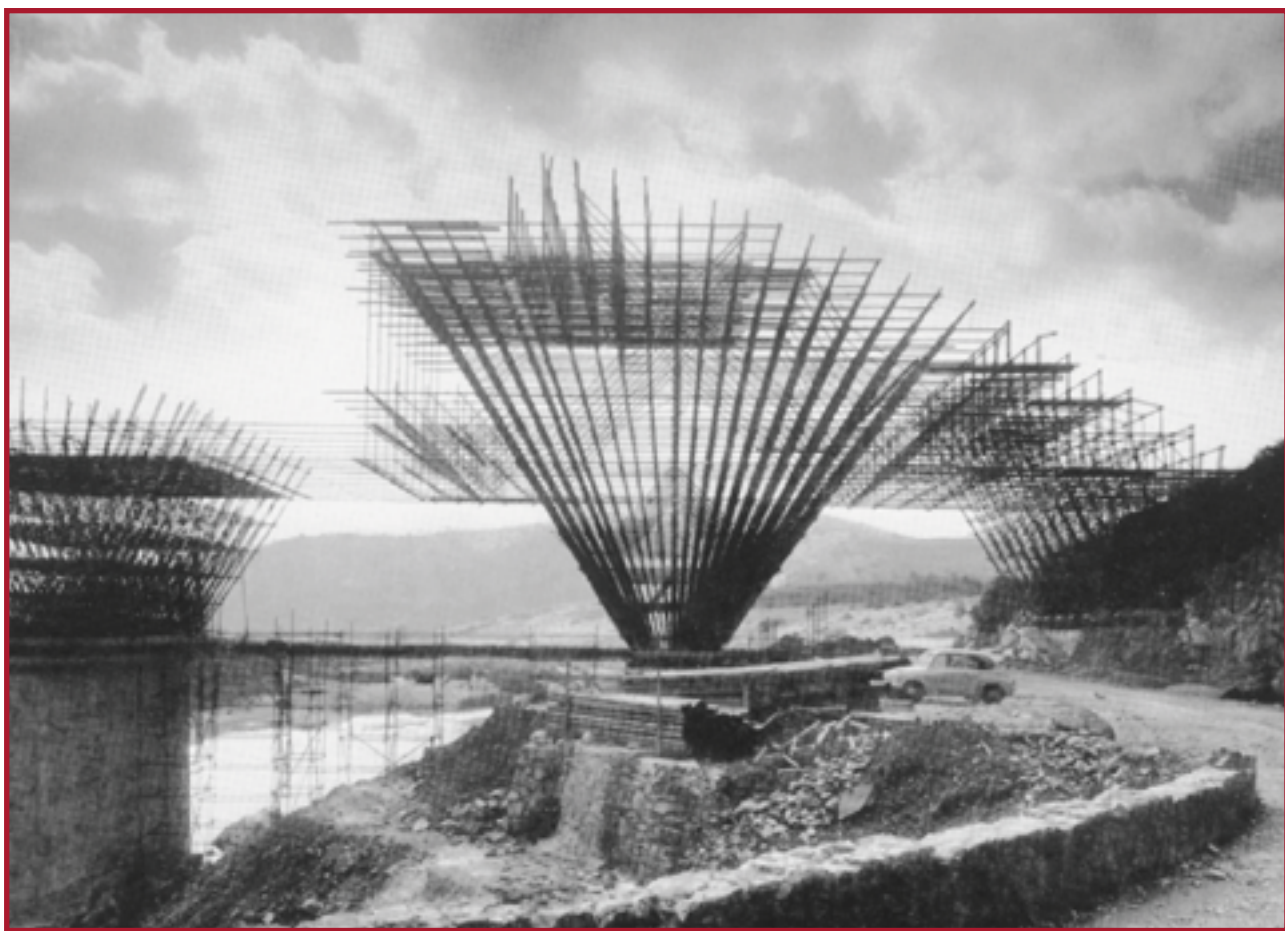


MULTICETA® SYSTEM



2013

Care for quality



This is an informative catalogue about CETA products for the Italian and the European markets.

For a proper use of CETA equipment, we recommend to observe the specifications quoted both in the Ministerial Authorization books and in the calculation reports signed by a qualified engineer.

The use of either supporting scaffolds or staircase towers as well as all improper use not mentioned in the Ministerial Authorization books is prescriptive according to the regulations in force. For the use of both supporting scaffolds and staircase towers, calculation reports duly signed by a qualified engineer are necessary.

We reserve the right to make technical changes without notice.



Contents:

Introduction

Company profile	4
Automated production.....	5

Multiceta System

Old and new advantages.....	6
Features.....	7
Applications.....	8
Loading platforms.....	10
Decks for Multiceta system	12

TMC lattice girders

Wide span structures	14
Applications.....	16

MC Supporting scaffold

Beams TI20	21
Ledgers PI10.....	21
Applications.....	22

Staircases

.....	24
-------	----

Public stairways

.....	25
-------	----

MSP suspended console

.....	26
-------	----

Multiceta for Sport & Entertainment

.....	28
-------	----

Multiceta stage

.....	30
-------	----

Components

.....	33
-------	----

CetaCAD software

.....	56
-------	----

Services

.....	57
-------	----

- COMPANY PROFILE -

CETA was established in 1947 in Bergamo, that is that region of northern Italy which is considered as the cradle of the Italian building tradition. It has been producing scaffolding systems and accessories for the construction field since then and thanks to the long experience acquired over the years, together with the new technologies and patents developed, it has achieved a top-quality level both in the construction and in the sport and entertainment sectors. As a matter of fact, the wide range of products offered by CETA includes different types of scaffolds and components for the building industry as well as stands, stages and seats for shows and sport events. The excellent quality and safety features of our products are appreciated by our customers and competitors and guaranteed by the competent Italian certifying authorities. In addition to the quality certification for every single item as far as the scaffolds are concerned, in 2002 CETA obtained the UNI EN ISO 9001-2000 certification for its Quality Management System as well. CETA does not limit itself to the sale and rental services. An experienced team provides the customers with all support they need, from the technical and commercial information required during the negotiation to the on-site assistance for erection and dismantling. Moreover, an in-house Engineering Department provides a designing service for every kind of project, while our technicians are always ready to train customers on the proper handling and installation of all products. All items and services reflect CETA's commitment to the care for quality. Our satisfaction for the good results achieved up to now is just a starting point for the future. We look ahead and keep on developing new ideas and projects day by day, in order to provide more and more cost-effective, high-quality and safe products, thus meeting the many different market requirements. With great expertise and enthusiasm, we have been able to fully satisfy a heavy national demand through an efficient commercial network that reaches out all regions from North to South and we have also gained a good market in the European countries.

Now, we are ready to proudly export CETA brand worldwide.





- Automated production -

Most production in CETA is automated.

When ready, our products are directly delivered to the building site or stocked by our distributors.



- MULTICETA® SYSTEM -

OLD AND NEW ADVANTAGES

Multiceta is the result of the improvement of both the traditional tube and coupler scaffold and the prefabricated frame, of which it keeps the best qualities. Yet, modern multidirectional scaffolds are characterized by a modularity and a versatility that traditional scaffolding systems don't have.

In addition to these features, Multiceta offers more safety guarantees and building flexibility.

Thanks to its 8-connection rosette welded to the standard - which allows to connect up to 8 elements through the insertion of the wedges in the holes - Multiceta gives the possibility to overcome many problems related to the architectural irregularities of certain structures.



The result is a steady structure which can be adapted to any kind of building, even the most complex. This is the reason why Multiceta can have many different applications: façade scaffold, supporting structure, staircases, shipbuilding-works and many others.

Its functionality meets all requirements of a building yard: the erection is easier, the building of loading and working platforms is simplified, the number of pieces required is reduced and so are the transport charges.



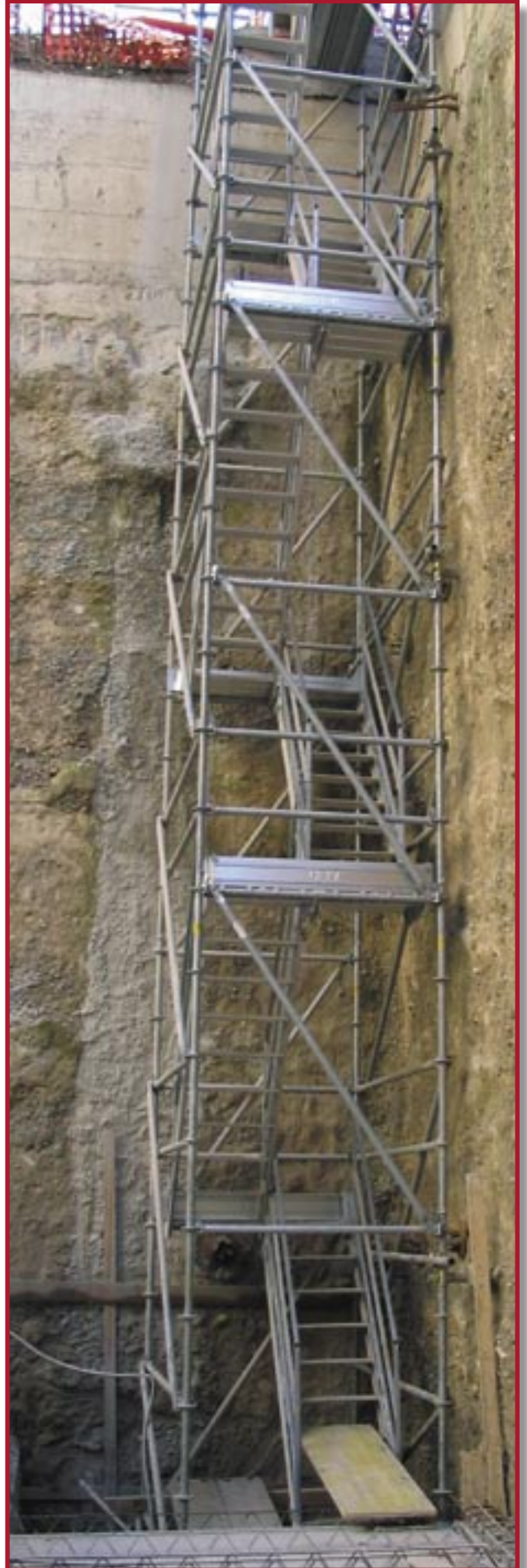
- Features -

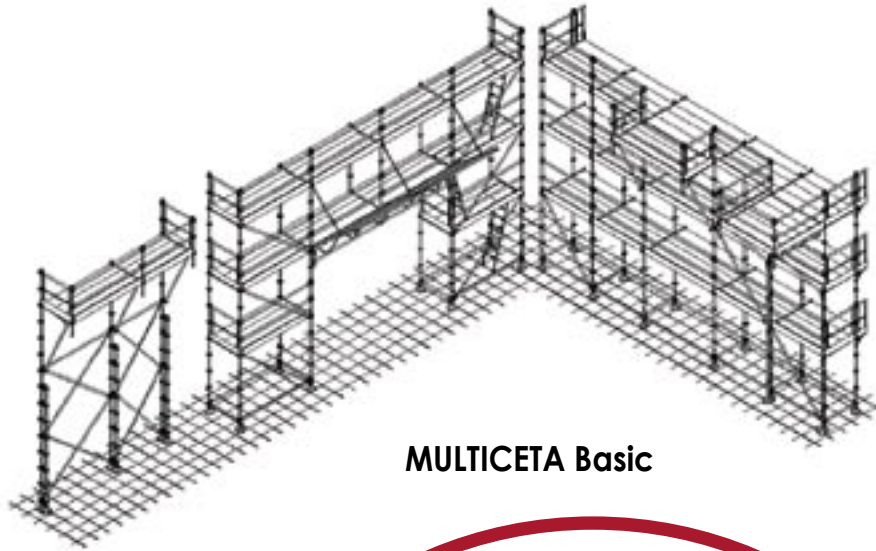
The solidity of Multiceta is guaranteed by the quality of the steel used as well as by the thickness of its components.

The rosette, the wedges and the ledgers are all in steel **S355JR**, which is highly resistant.

Thanks to the rational connection system of the components, Multiceta can be assembled very fast. The absence of bolts permits the erection of a robust and flexible scaffold with just a simple hammer blow.

The weight is well-balanced on the standards through the rosette, so the structure becomes extremely rigid

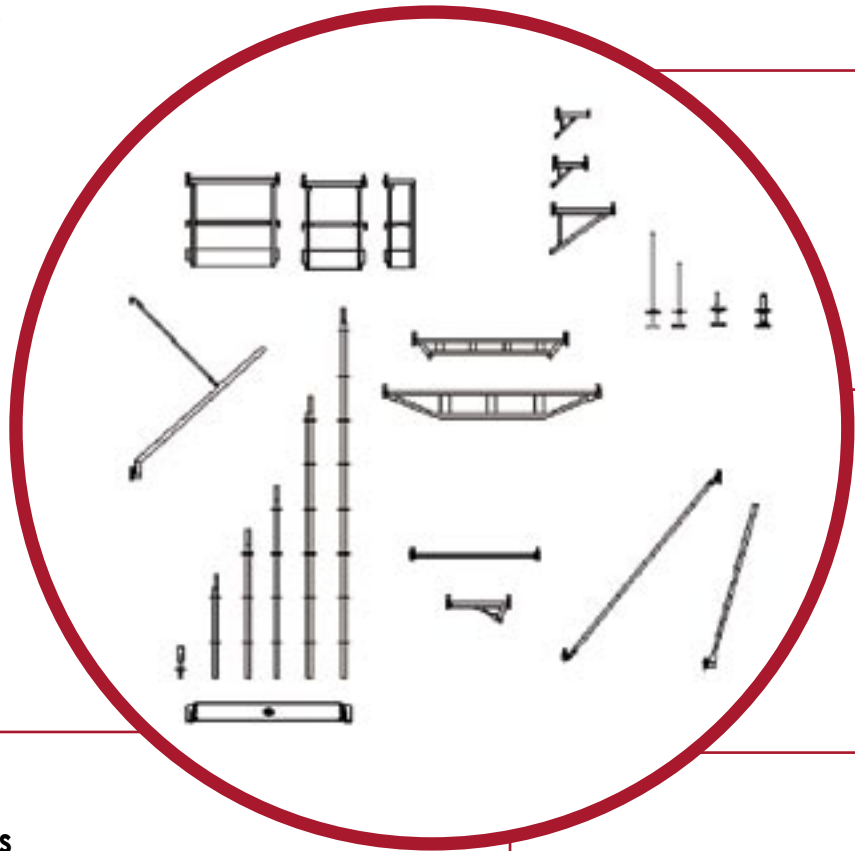
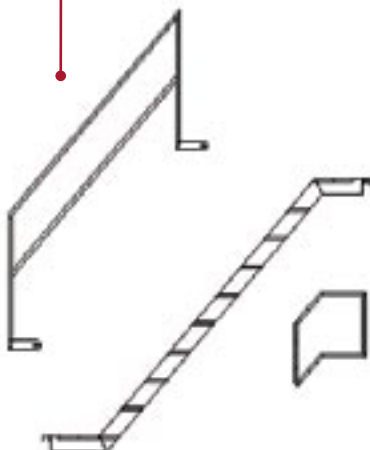




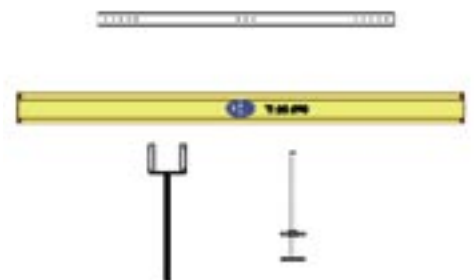
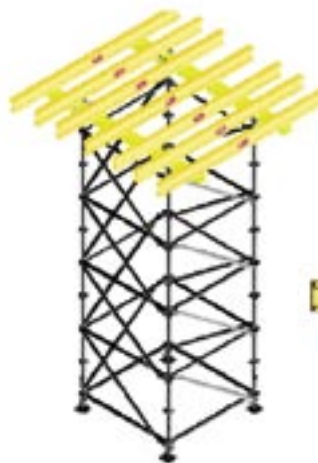
MULTICETA Basic



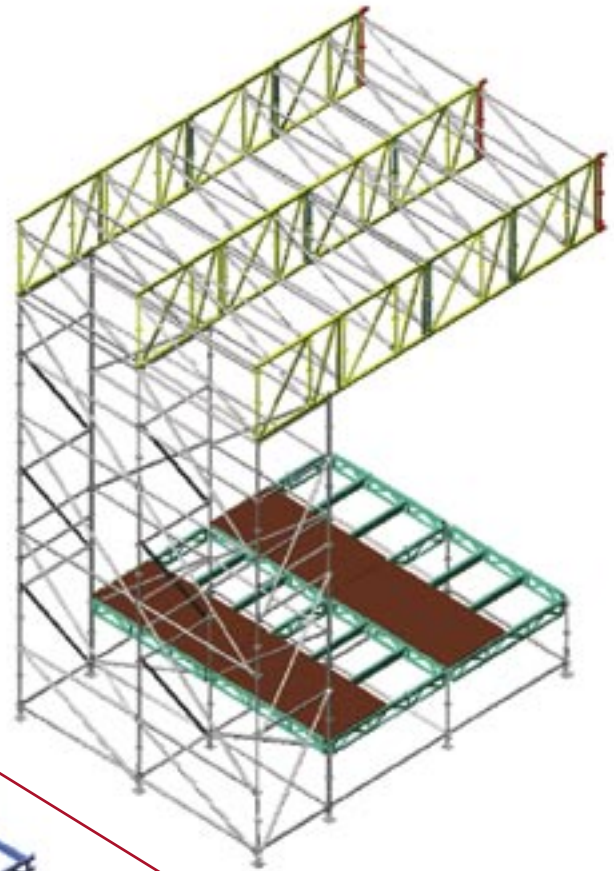
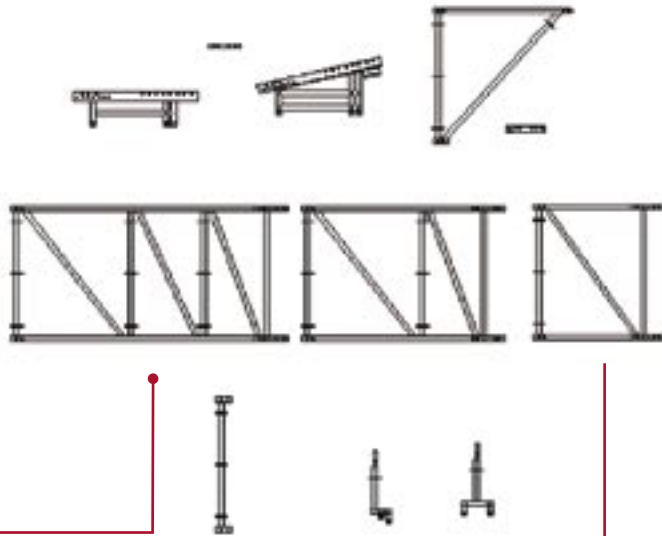
Staircase towers



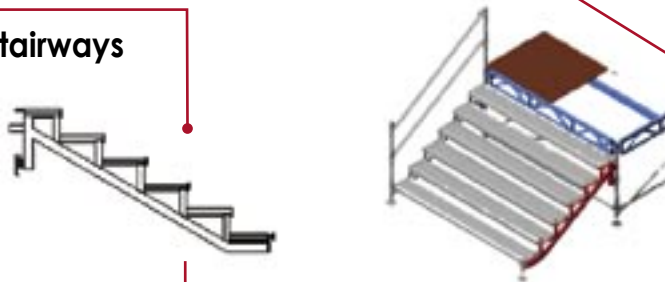
Supporting scaffolds



TMC lattice girders



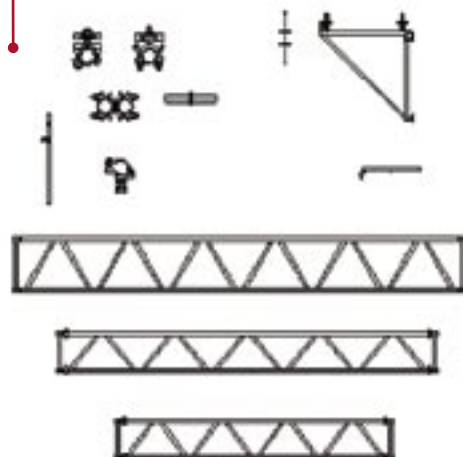
Public stairways



Multiceta stage



Accessories



- MC Loading platforms -

Multiceta loading platforms are recommended every once it is necessary to create a loading area adjacent to the façade scaffold. Yet, they are mainly used in order to avoid the erection of "castle" loading platforms starting from the ground, which are definitely more expensive, cumbersome, slow and difficult to assemble.

As you can see in the picture, the outward overhang of such platforms is 1.80 m, while their length is strictly related to the pace of the façade scaffold, which is usually 1.80 or 2.50 m. Of course, multiples of these paces are also available (i.e. 1.80 x 3.60 m or 1.80 x 5.00 m).



The high load capacity of these platforms results from the crossed laying of the CK steel decks 33 x 180 cm and the 5 cm-thick wooden decks. The rigidity of the steel decks combines with the flexibility of the wooden ones, which guarantee a well-balanced weight distribution and soften all blows due to the material laying with the crane. This way, the load capacity can reach 450 kg/m², evenly distributed.

For example, a loading platform 1.80 x 2.50 m can be overloaded as follows:

- ✓ area = 1.80 x 2.50 m = 4.50 m²
- ✓ load capacity = 4.50 m² x 450 kg/m² = 2,025 kg





- Applications -

Site requirements:

Construction scaffolding – height 70 m; inner decks, loading platforms and protection brackets

Height 70 m
Without standard doubling
With loading platform

> Genoa



- DECKS FOR MULTICETA® SYSTEM - CK series



Safe assembly

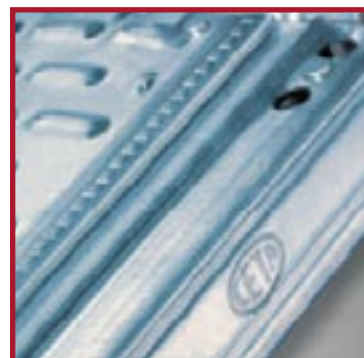
The deck head is pressure-inserted and fixed with 8 TOX® joints.

This special manufacture allows a well-balanced weight distribution on the deck without stressing the fixed joints, thus preventing the deck head from detaching during loading.



Clinching

The sheet steel is folded in order to remove all welded joints. This procedure makes the deck rigid and indestructible.



High resistance

All elements, from the special profiling to the reinforced shoulder, give high resistance and stability to the deck. In some applications, such as the construction of loading platforms or intermediate floors, these decks can bear loads up to 600 kg/m².



Easy handling

These decks have no sharp edges, in order to prevent workers from cutting themselves.

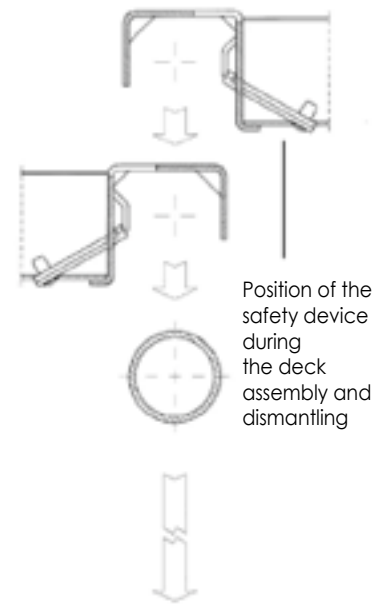
Moreover, every deck has a triangular reinforcement element in the middle which makes the deck more rigid and easier to handle.



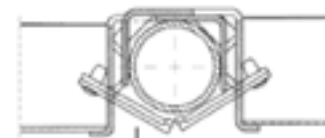


ASSEMBLY PROCEDURE

CK DECKS		CK DECKS	
Size Cm	Load capacity kN/m ²	Size Cm	Load capacity kN/m ²
33 x 77	6,0		
33 x 110	6,0	50x110	6,0
33 x 150	6,0		
33 x 180	6,0	50x180	6,0
33 x 200	6,0		
33 x 250	6,0		
33 x 300	4,5		



Position of the safety device during the deck assembly and dismantling



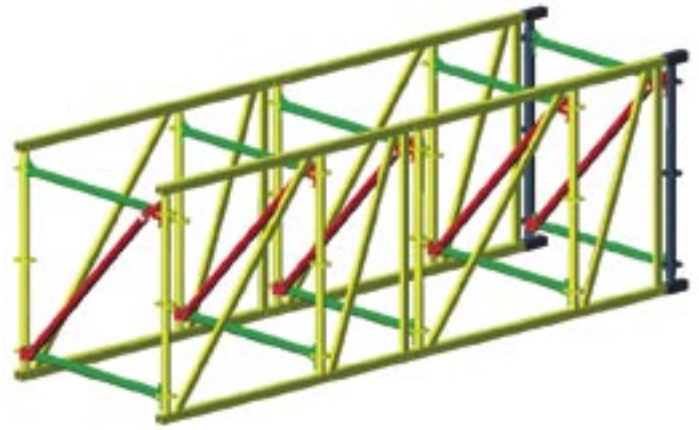
Position of the safety device when structure has been assembled



- TMC lattice girders – Wide span structures

Multiceta and TMC structures can be combined together to build catwalks and protection roofs for both the construction and the sport & entertainment sectors.

The TMC system is very easy to assemble and offers a range of applications that once needed a tremendous number of tubes and couplers to be carried out.



Horizontal girder – Load capacity analysis in kN/m² - Wind 0 km/h

TMC Available sizes	Span width – cm																							
	250	360	430	500	610	680	750	860	930	1000	1110	1180	1250	1360	1430	1500	1610	1680	1750	1860	1930	2000	2110	2180
77	233	112	78,7	58,2	39,1	31,46	25,9	19,7	16,8	14,5	11,8	10,4	9,31	7,86	7,11	6,46	5,61	5,15	4,75	4,2	3,9	3,64	3,27	3,06
110	163	78,6	55,1	40,7	27,4	22,02	18,1	13,8	11,8	10,2	8,26	7,31	6,52	5,5	4,98	4,53	3,93	3,61	3,32	2,94	2,73	2,55	2,29	2,14
150	119	57,6	40,4	29,9	20,1	16,15	13,3	10,1	8,63	7,47	6,06	5,36	4,78	4,04	3,65	3,32	2,88	2,65	2,44	2,16	2	1,87	1,68	1,57
180	99,6	48	33,7	24,9	16,7	13,46	11,1	8,41	7,19	6,22	5,05	4,47	3,98	3,36	3,04	2,77	2,4	2,2	2,03	1,8	1,67	1,56	1,4	1,31
200	89,6	43,2	30,3	22,4	15	12,11	9,96	7,57	6,47	5,6	4,55	4,02	3,58	3,03	2,74	2,49	2,16	1,98	1,83	1,62	1,5	1,4	1,26	1,18
250	71,7	34,6	24,2	17,9	12	9,689	7,96	6,06	5,18	4,48	3,64	3,22	2,87	2,42	2,19	1,99	1,73	1,59	1,46	1,29	1,2	1,12	1,01	0,94
300	59,7	28,8	20,2	14,9	10	8,074	6,64	5,05	4,32	3,73	3,03	2,68	2,39	2,02	1,83	1,66	1,44	1,32	1,22	1,08	1	0,93	0,84	0,79
Load capacity - kN/m ²																								

> Ferrara

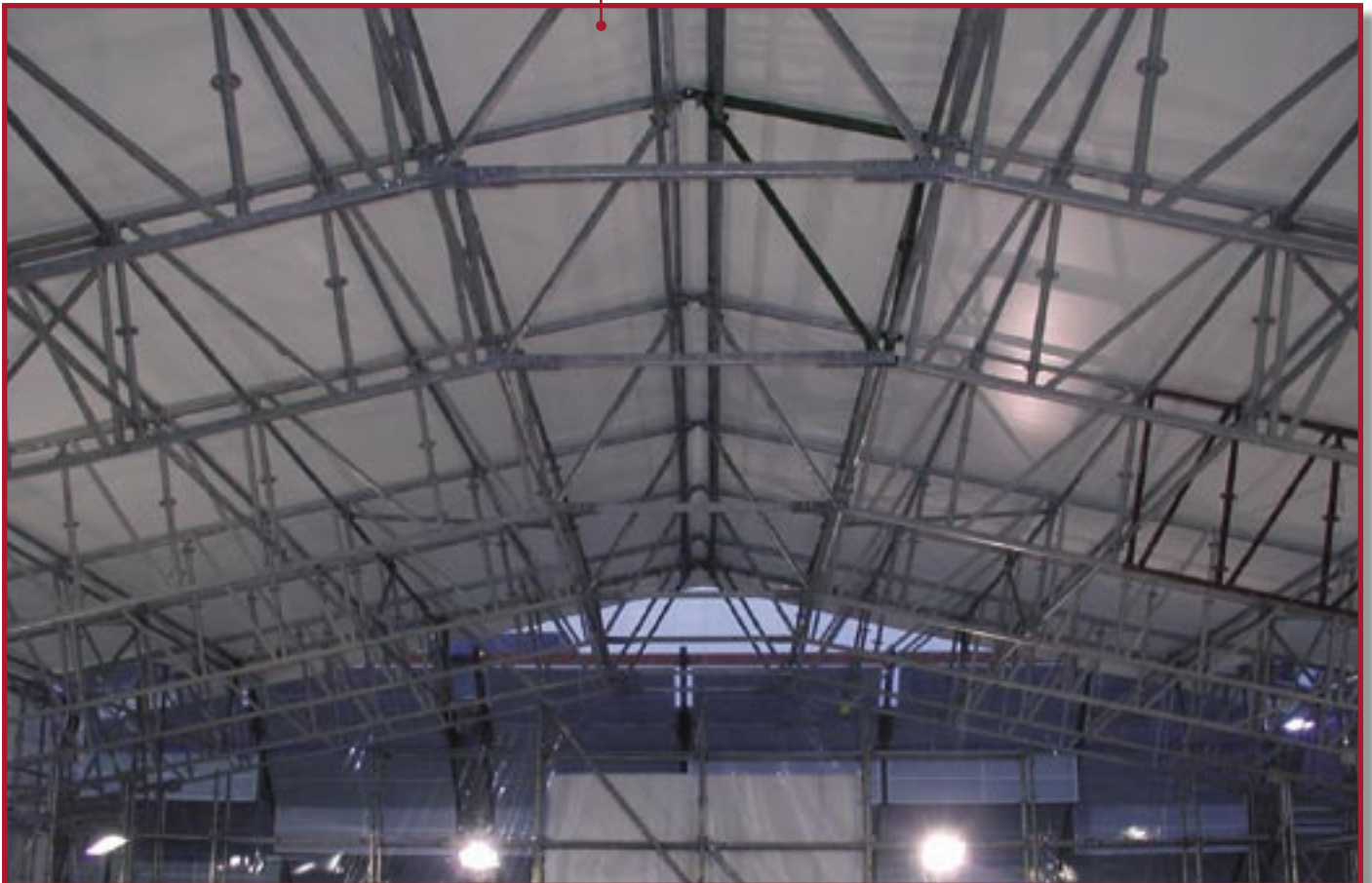




TMC lattice girder used for protection roof with a 12.5° inclination

TMC Available sizes	Span width – cm																											
	1230	1300	1370	1440	1510	1580	1650	1720	1790	1860	1930	2000	2070	2140	2210	2280	2350	2420	2490	2560	2630	2700	2770	2840	2910	2980		
77	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	
110	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si				
150	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si										
180	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si														
200	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si																
250	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si																		
300	Si	Si	Si	Si	Si	Si	Si																					

> Bologna – CETA's stand at SAIE exposition



- TMC lattice girders -

Site requirements: Renovation of an attic and construction of lofts.

Solution: maintenance scaffolding and protection roof with a 17.90 m span width.

Engineering and designing: CETA Engineering Department - Bergamo

Company responsible for the assembly: Società di montaggi Tarantino



> Bergamo





- 45 m catwalk above the Milan by-pass -

Site requirements:

Pedestrian bridge joining two festival areas - min. width 4 m,
total span 45 m, load capacity 6.00 kN/m².

Solution:

A structure composed of supporting towers 1.50 x 1.80 m
with warp 2.30 x 2.70

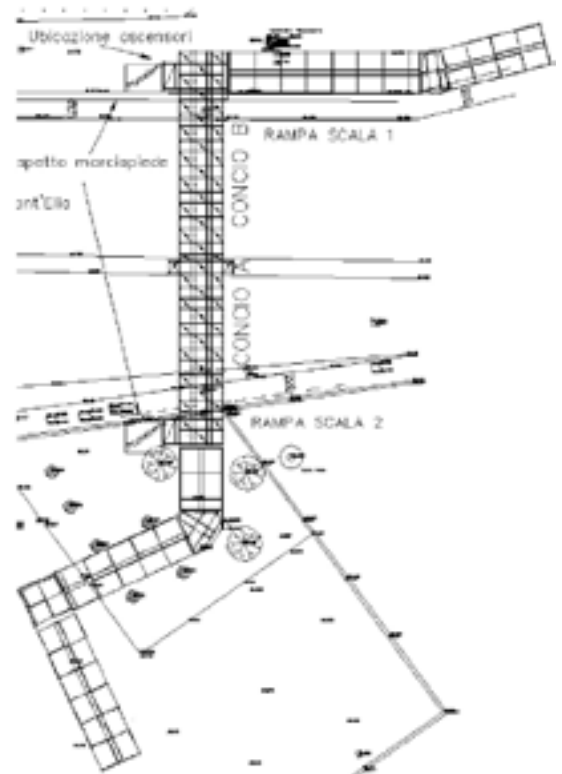
Engineering and designing:

CETA Engineering Dept. - Bergamo

Supervision of construction: CETA - Bergamo

Company responsible for the assembly:

Società di montaggi Tarantino



> Milan – Festa dell'Unità
(PDS-party national meeting)



- Closing of the by-pass -

Night-work is never easy, but this building site was even more complex than usual, because the by-pass had to be closed for 5 hours and the 45 m-bridge had to be assembled in record time.

These few pictures will give you an idea of the difficulty of the assembly operations



< Positioning of the central support of the structure



< Positioning of the 1st ashlar,
previously assembled



< Positioning of the 2nd ashlar,
previously assembled



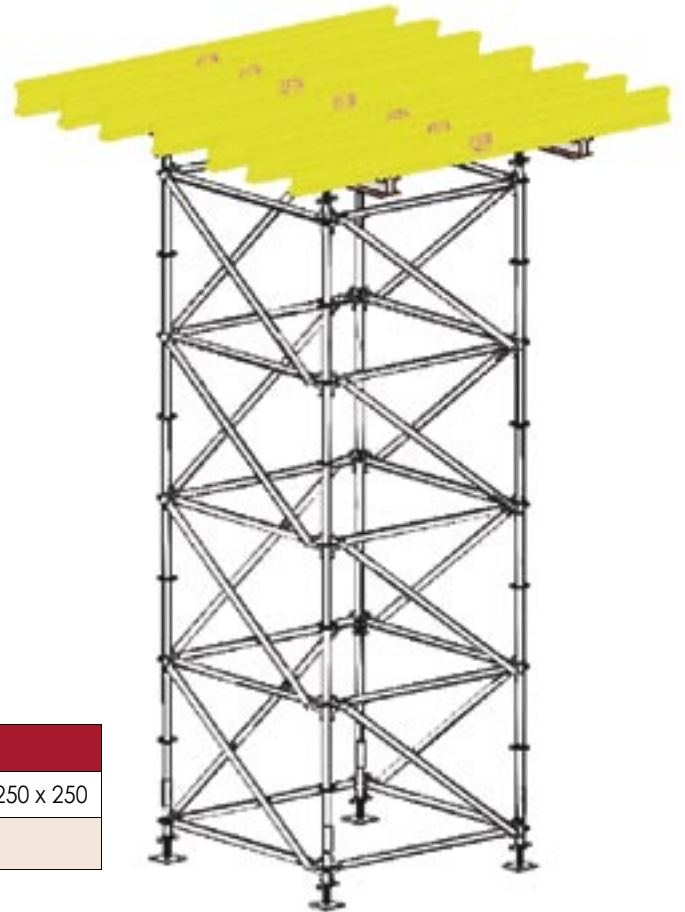
< The central structure is assembled. Now,
it is the turn of the side flights of stairs

- MC SUPPORTING SCAFFOLD -

The MC supporting scaffold, which is composed of the multidirectional system, the ledgers PI10 and the beams TI20, is a competitive and safe alternative to the traditional scaffolding systems.

The standard heights can vary from min. 1.00 m to max. 20.00 m, with a load capacity between 30 kN and 50 kN per standard, according to the conditions of use.

✓ For load capacity, see CETA technical tables



Standard towers sizes

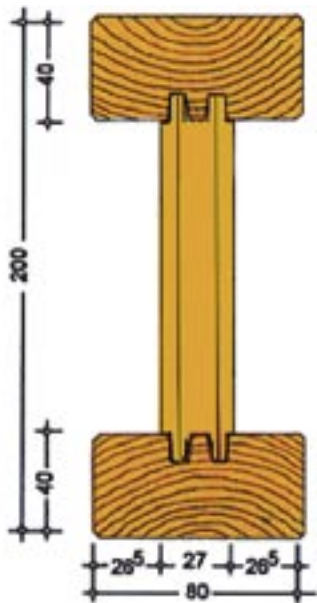
77 x 77	110 x 110	150 x 150	180 x 180	200 x 200	250 x 250
77 x 110	110 x 150	150 x 180	180 x 200	200 x 250	

> Parma by-pass

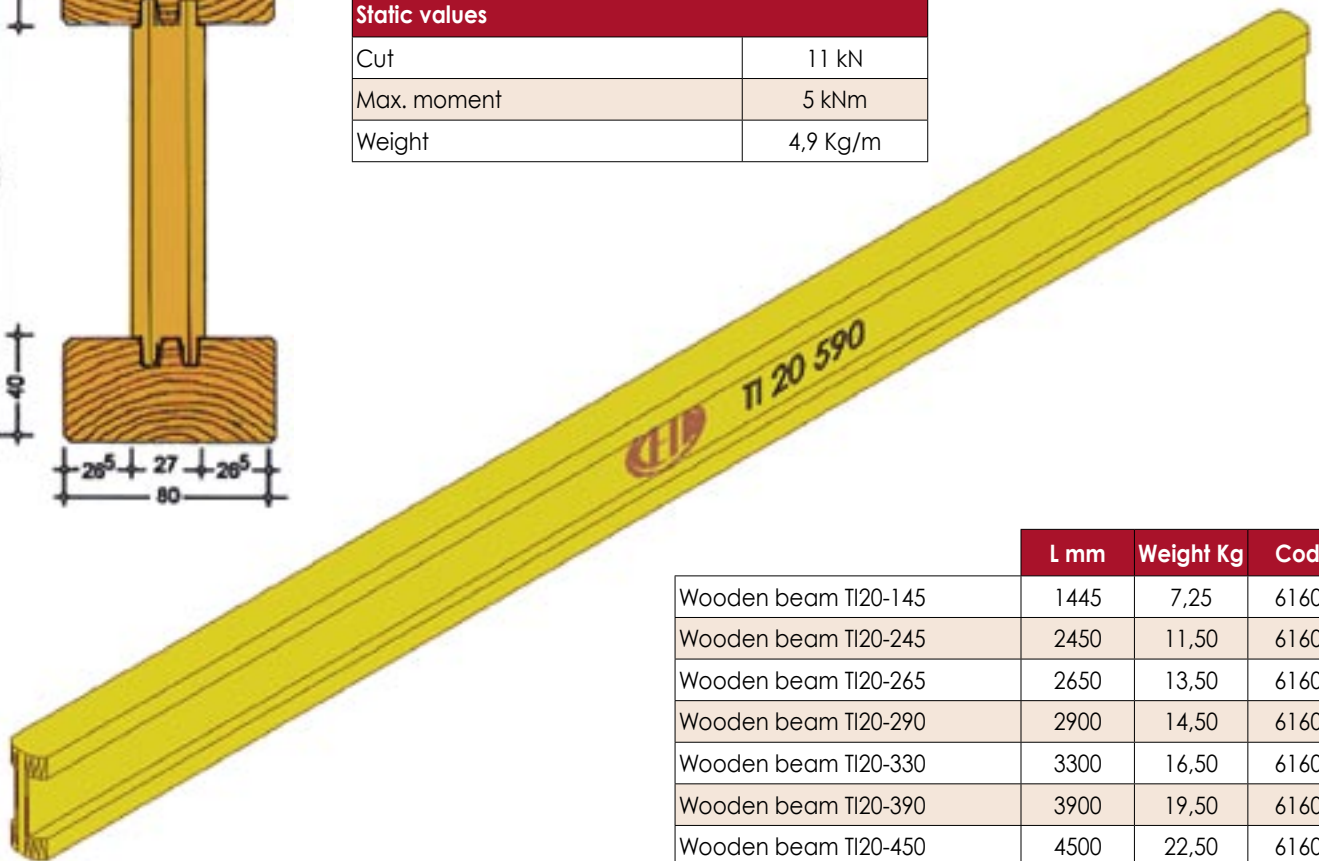




- BEAMS TI20 -



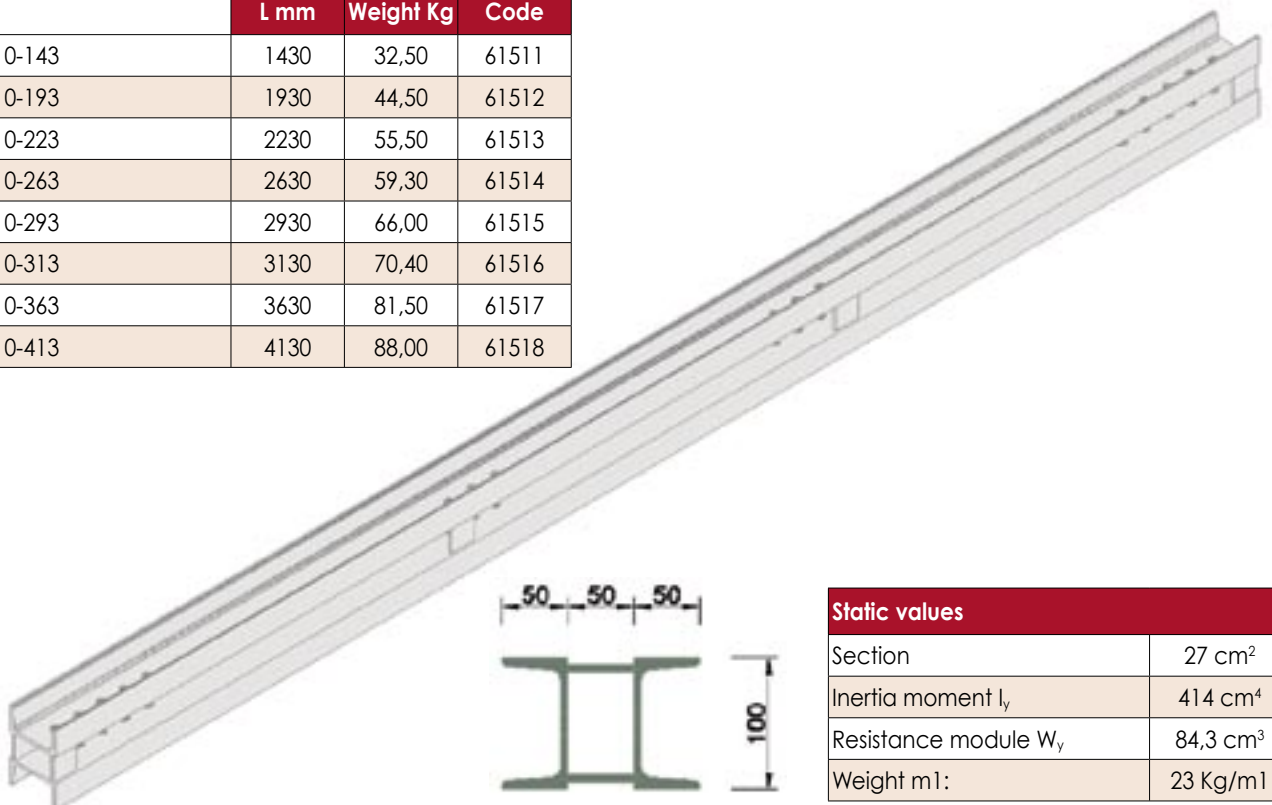
Static values	
Cut	11 kN
Max. moment	5 kNm
Weight	4,9 Kg/m



	L mm	Weight Kg	Code
Wooden beam TI20-145	1445	7,25	61600
Wooden beam TI20-245	2450	11,50	61601
Wooden beam TI20-265	2650	13,50	61602
Wooden beam TI20-290	2900	14,50	61603
Wooden beam TI20-330	3300	16,50	61604
Wooden beam TI20-390	3900	19,50	61605
Wooden beam TI20-450	4500	22,50	61606
Wooden beam TI20-490	4900	24,50	61607
Wooden beam TI20-590	5900	29,50	61608

- LEDGERS PI10 -

	L mm	Weight Kg	Code
Ledger PI10-143	1430	32,50	61511
Ledger PI10-193	1930	44,50	61512
Ledger PI10-223	2230	55,50	61513
Ledger PI10-263	2630	59,30	61514
Ledger PI10-293	2930	66,00	61515
Ledger PI10-313	3130	70,40	61516
Ledger PI10-363	3630	81,50	61517
Ledger PI10-413	4130	88,00	61518



Static values	
Section	27 cm ²
Inertia moment I _y	414 cm ⁴
Resistance module W _y	84,3 cm ³
Weight m1:	23 Kg/m1

- 44 kN standard -

Site requirements:

Creation of a supporting structure for loads of 32.75 kN/m² at a height of 4.85 m.

Solution:

Building of a structure composed of supporting towers 1.50x1.80 m with warp 2.30x2.70

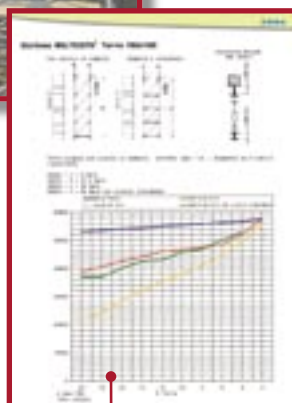
Engineering and designing:

CETA Engineering Dept. - Bergamo

Technical assistance: CETA Bergamo



> Parma by-pass



> CETA technical tables



Site requirements:

Creation of a supporting structure for a series of small tunnels

Solution:

Building of a structure composed of support towers 1.50x1.80 m and with warp 2.30x2.70

Engineering and designing:

CETA Engineering Dept. - Bergamo

Technical assistance: CETA Bergamo



> Parma - High-speed highway – Milan/Bologna section



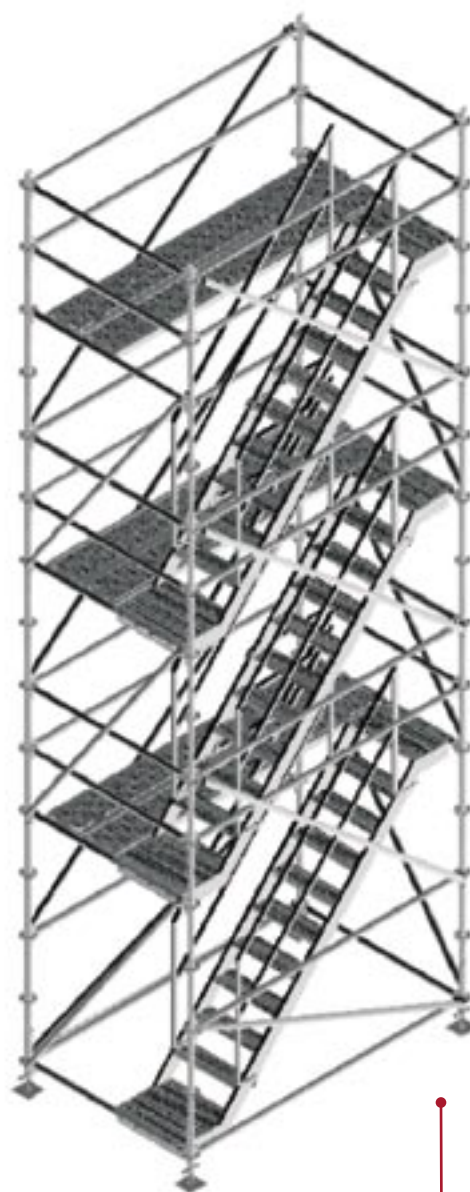
- STAIRCASES -

Multiceta staircase tower can exceed 60 m without doubling the standard.

Its easy assembly allows to erect the tower by using two different kinds of staircases. In both of them, floors are set every 2 m, while the exits are located on the sides in the mono-directional staircase and at the front in the bidirectional staircase.



> Bidirectional staircase tower



> Monodirectional staircase tower



	Standard size	Flight load capacity	Nr. of flights
Monodirectional	150x250	2 kN/m ²	30
Bidirectional	150x250	2 kN/m ²	30



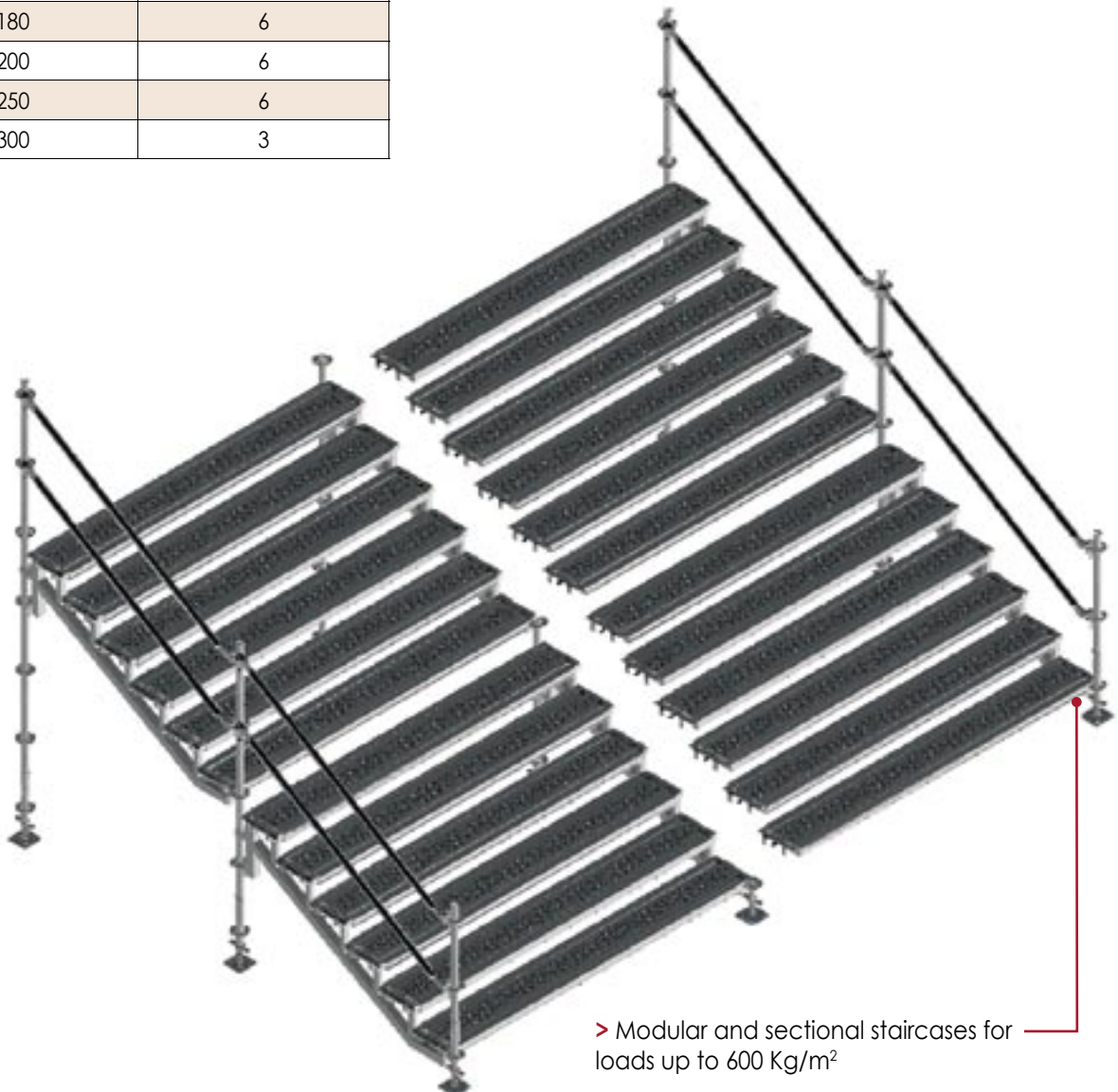
- PUBLIC STAIRWAYS -

CETA public stairways are modular, versatile and easy to assemble. They are designed to offer the best comfort and the same safety guarantees as the emergency staircases.

CETA stairways are used by both workers and the public and, if slightly modified, they can also be used as emergency staircases.



Max. width cm	Load capacity kN/m ²
77	6
110	6
150	6
180	6
200	6
250	6
300	3

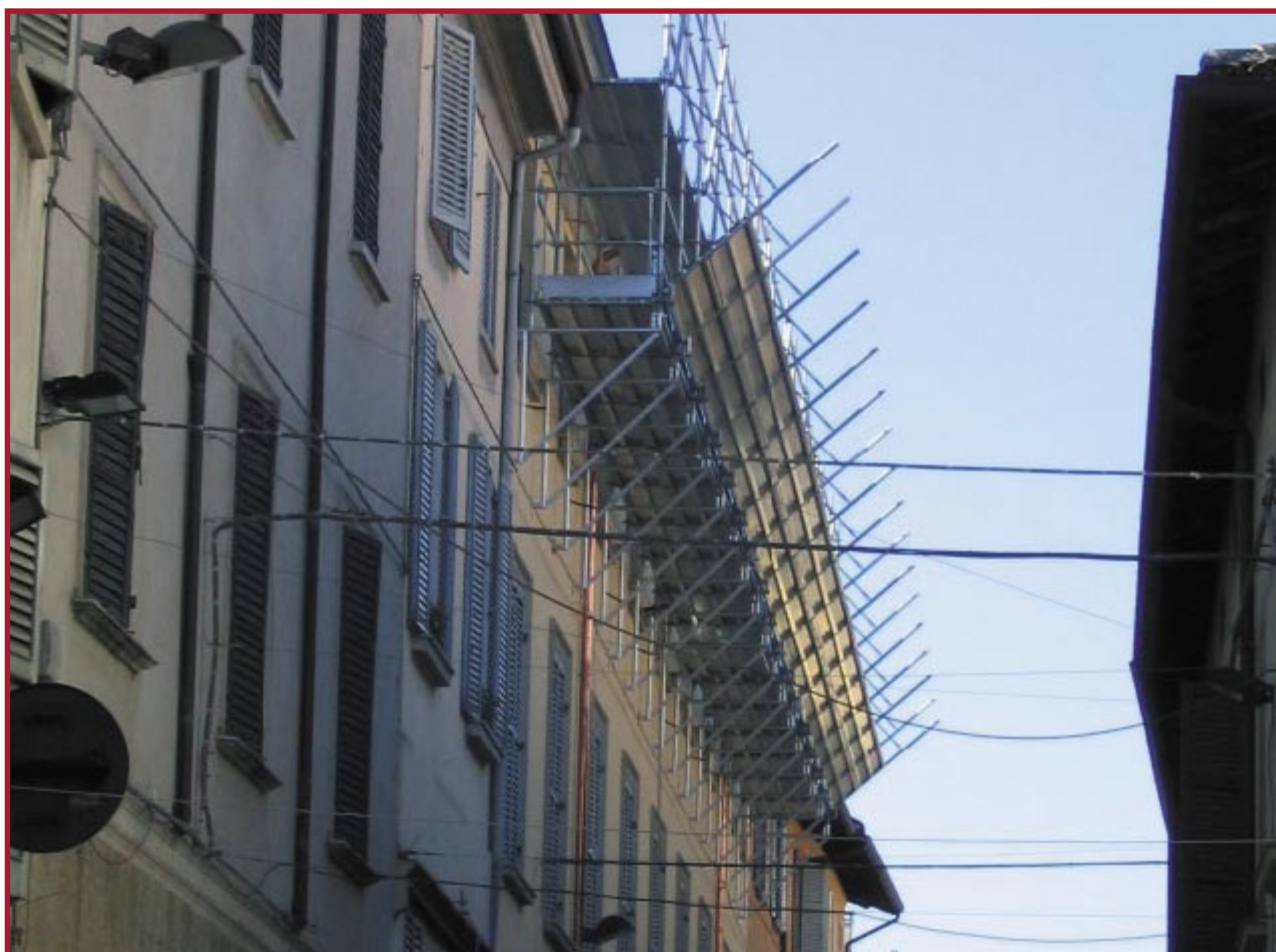
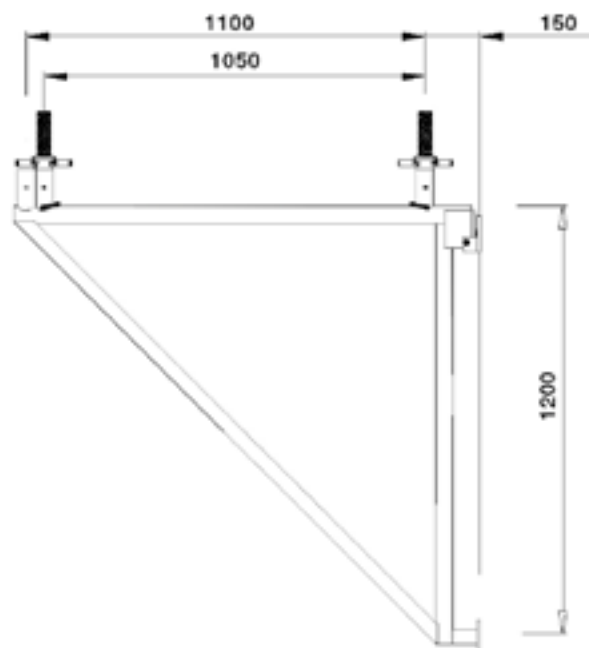


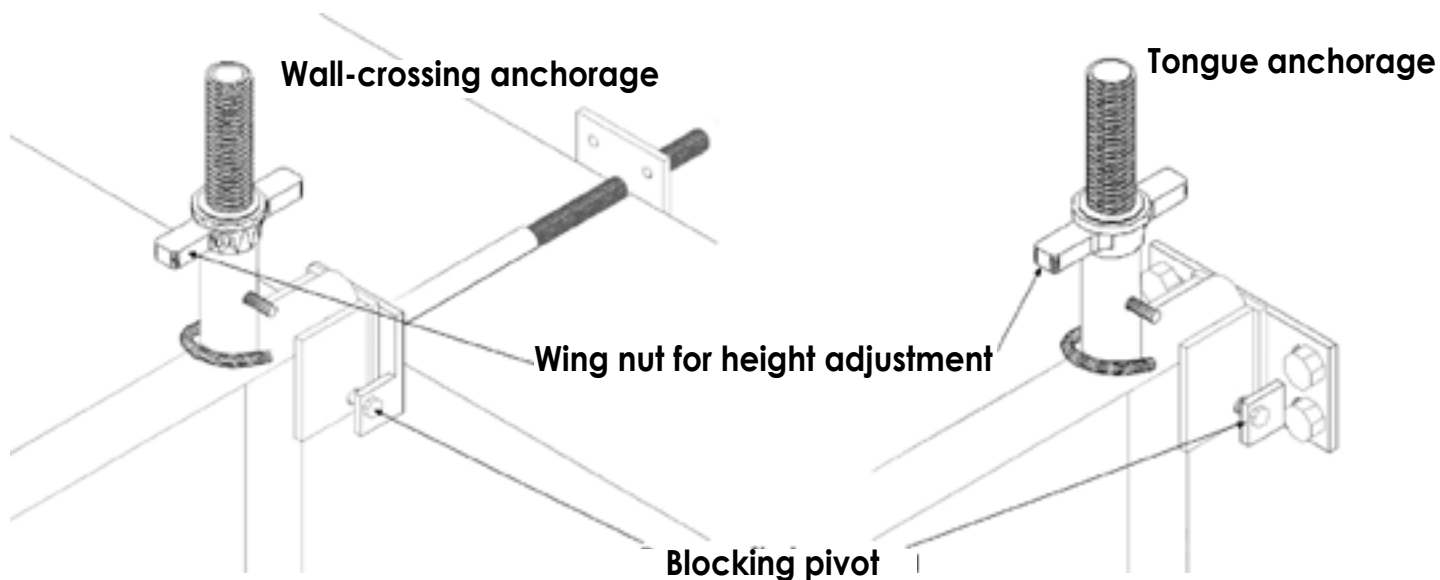
> Modular and sectional staircases for loads up to 600 Kg/m²

- MSP Suspended console -

It has been designed to satisfy the needs related to the maintenance and renovation of buildings located in the old towns centres. Yet, it has turned to be an excellent solution to avoid the occupation of public areas.

We can now provide standard and special anchorages, in order to meet all site requirements.





Conditions of use

1. Scaffold life: 2 years
2. Loading conditions:
 - 1 working platform 150 daN/m²
 - 1 working platform 75 daN/m²
3. Max. wind in working conditions: 57.6 Km/h
4. Max. number of floors, beside the first 2.



Scaffold type (pace)	Max. nr. of floors Considering the snow load along with the use of protection brackets
MC110 - 180	4
MC110 - 250	Not available

Scaffold type (pace)	Max. nr. of floors Considering either the snow load or the protection brackets
MC110 - 180	8
MC110 - 250	5

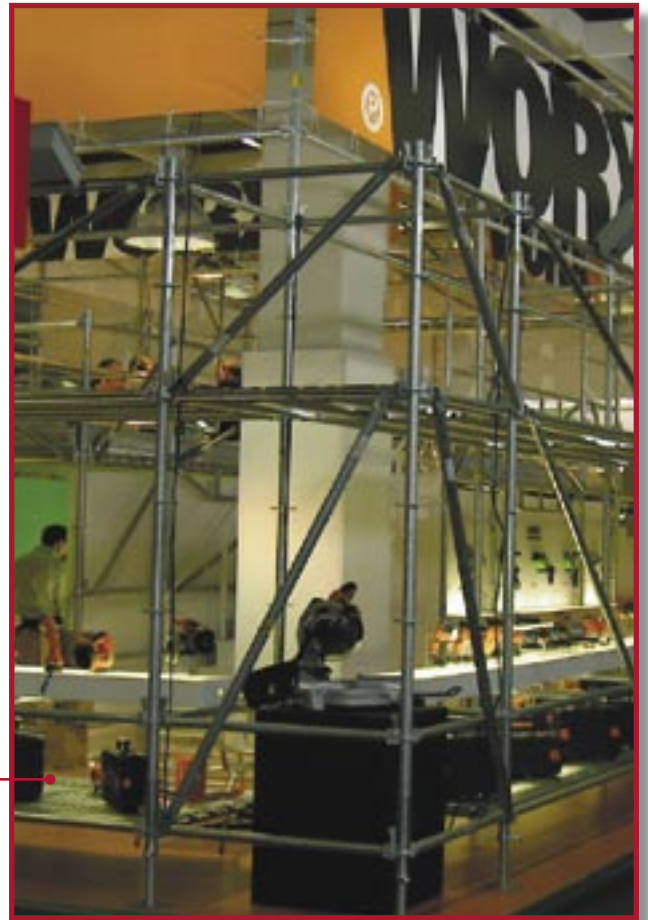


- MULTICETA® for Sport & Entertainment -

In this field every single idea, even the strangest, can materialize, even though this means challenging the physical laws.

In 1967, CETA decided to accept this challenge and created a new department dealing with the structures required for shows and sport events. Its stages, prefabricated and telescopic tribunes, seats, floor protections and barriers immediately drew the public attention and are now highly demanded for both sale and rent.

Therefore, Multiceta was adapted to satisfy the Sport & Entertainment needs as well.



> Multiceta used as a stand component at Koln exposition





The versatility of Multiceta allows to find a solution to all the Sport & Entertainment site requirements as well (small towers for the TV broadcast, stage side towers, ...), while its combination with the TMC lattice girders can be a way to build roof protections for large-span-stages.

Moreover, it is possible to insert access and exit flights for handicapped people.



> Milan – Piazza Duomo – Music Festival

> Multiceta stage in Costa Rica



- MULTICETA® Stage -

SUPPORTING STRUCTURE

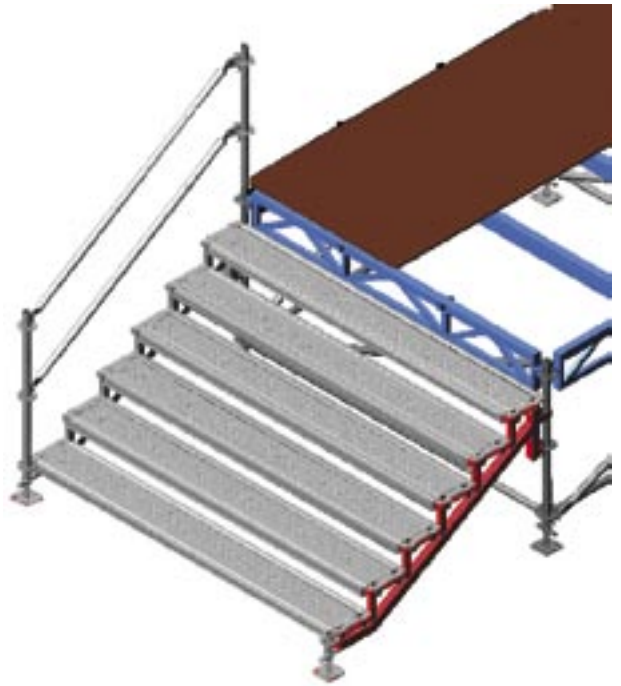
The stage structure is composed of Multiceta standards and ledgers.

The plywood surface is supported by lattice girders, which are connected to the standards through the rosette.

The lattice girders are provided with special joints for the insertion of the prefabricated stage middle supports and with holes for the insertion of the fixing screws of the surface panels.

Thanks to the adjustable base plates, you will be always able to get a perfectly even surface in all conditions.

The stage components allow to make structures of multiple sizes, such as 1.80 x 1.80, 1.80 x 2.50, 2.50 x 2.50 m.



> Bergamo - Loreto Park





PLYWOOD SURFACES

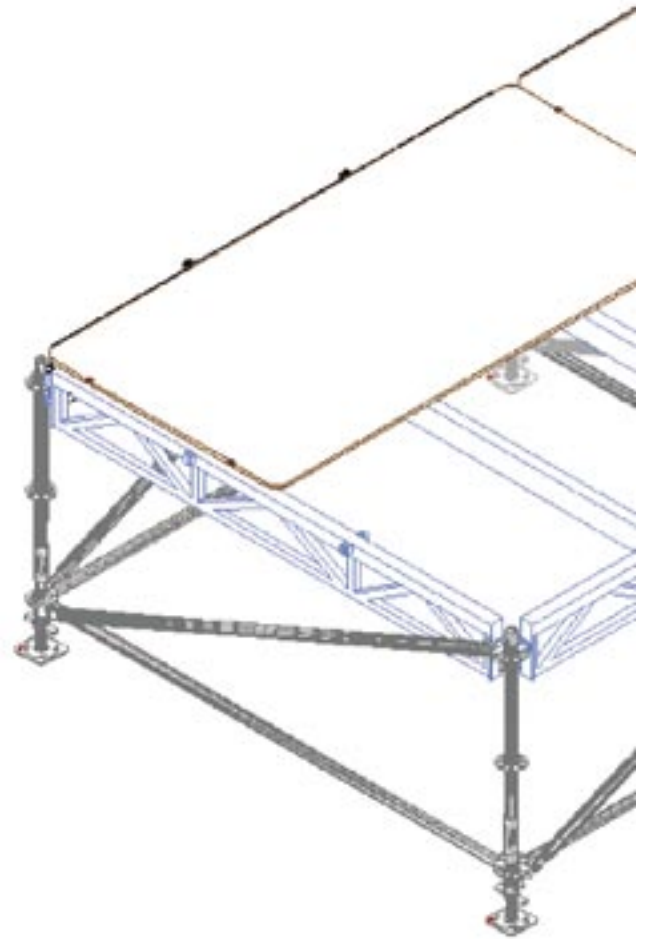
The min. surface height from the ground is 0.28 m.

The plywood surface is coated with phenolic film on both sides, in order to increase its wear resistance.

Moreover, it has an 18 mm-thick non-slip finishing (**Class 1**).

The plies are 1.5 mm thick and they are stuck together with a phenolic glue, which is weather-proof and hot water-resistant.

This kind of glueing complies with the British regulations **BS 1203:1963, WBP type**.



OVERLOADS

Multiceta stage can bear overloads up to 6 kN/m^2

> Milan - Navigli



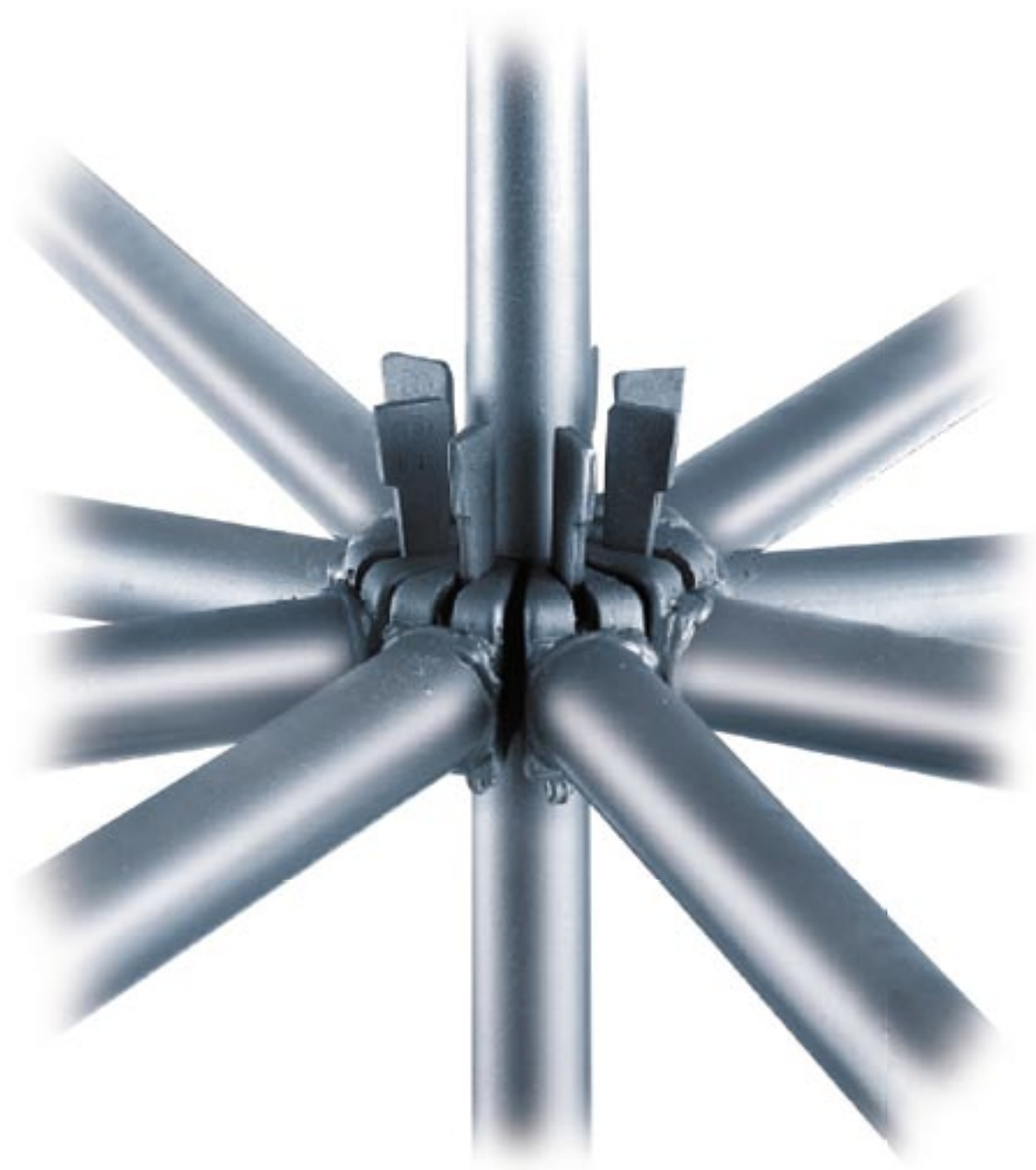
Notes

Handwriting practice lines consisting of 28 horizontal dotted lines.





MULTICETA® SYSTEM



COMPONENTS



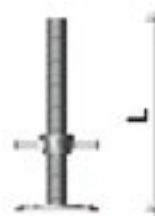
- BASIC COMPONENTS -

Adjustable base plate, galvanized



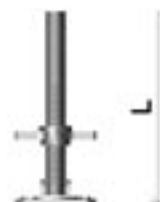
	Weight Kg	Item Nr	
38-34/25	2.25	61535	Max. adjustment 25 cm.
38-70/45	3.50	61536	Max. adjustment 45 cm.

Adjustable base plate, galvanized



	Weight Kg	Item Nr	
38 - 35/25	2.50	61567	Max. adjustment 25 cm.
38 - 70/45	3.70	61568	Max. adjustment 45 cm.
38-105/75	4.65	61569	Max. adjustment 75 cm.

Tilting adjustable baseplate, galvanized



	Weight Kg	Item Nr	
38 - 35/25	2.50	61587	Max. adjustment 25 cm.
38 - 70/45	3.65	61588	Max. adjustment 45 cm.
38-105/75	5.00	61589	Max. adjustment 75 cm.

Fixed base plate 38, galvanized



Weight Kg	Item Nr
1.05	63631

- BASIC COMPONENTS -



Adjustable base plate for supporting scaffolds



Weight Kg	Item Nr
-----------	---------

38-70/45 5.70 62112 Max. adjustment 45 cm.

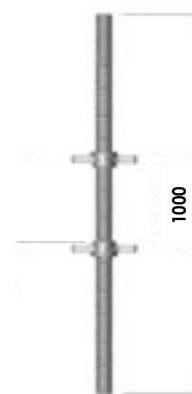
Adjustable crosshead spindle



Weight Kg	Item Nr
-----------	---------

9.00 62110 Max. adjustment 45 cm.

Adjustable threaded spindle with two wing nuts



Weight Kg	Item Nr
-----------	---------

4.91 62111 Max. adjustment 45 cm.



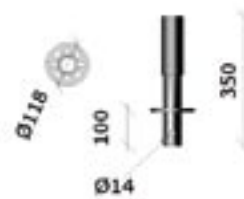


- Multiceta® SYSTEM -

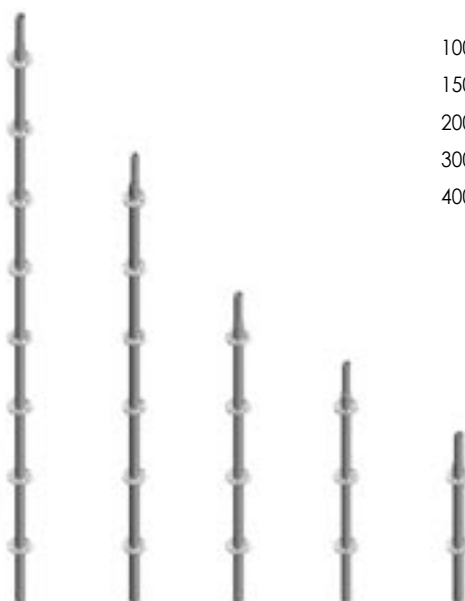
MC base collar



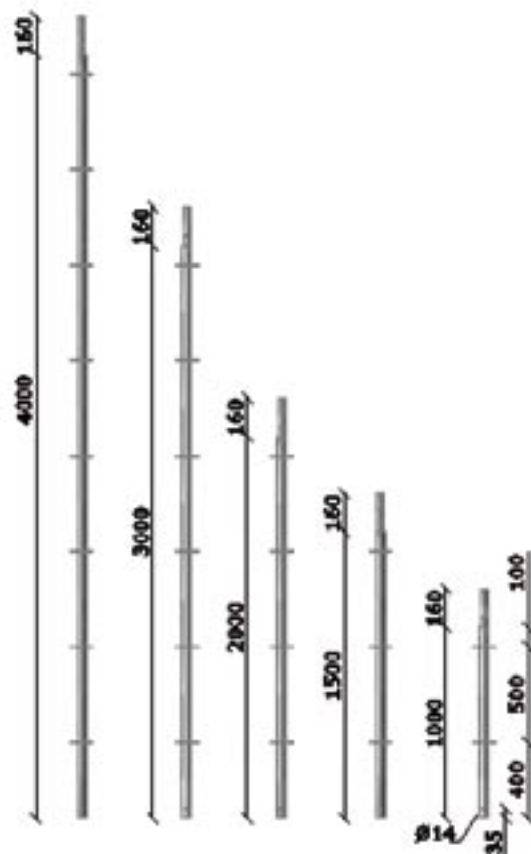
Weight Kg	Item Nr
1.90	62000



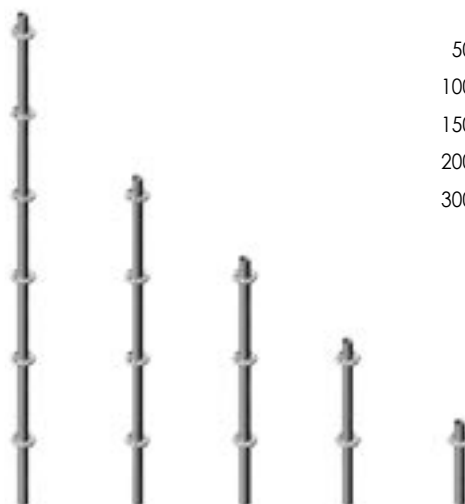
MC Standard with spigot



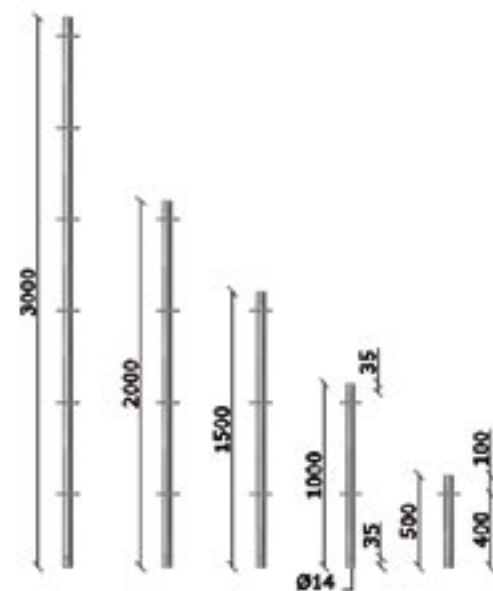
	Weight Kg	Item Nr
100	5.30	62002
150	7.60	62003
200	9.90	62004
300	14.60	62005
400	19.20	62006



MC Standard without spigot



	Weight Kg	Item Nr
50	2.31	62101
100	4.62	62102
150	6.93	62103
200	9.24	62104
300	13.86	62105



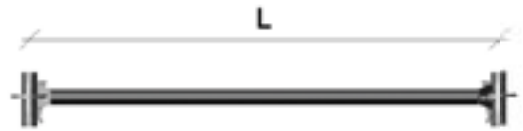
- Multiceta® SYSTEM -



MC Ledger



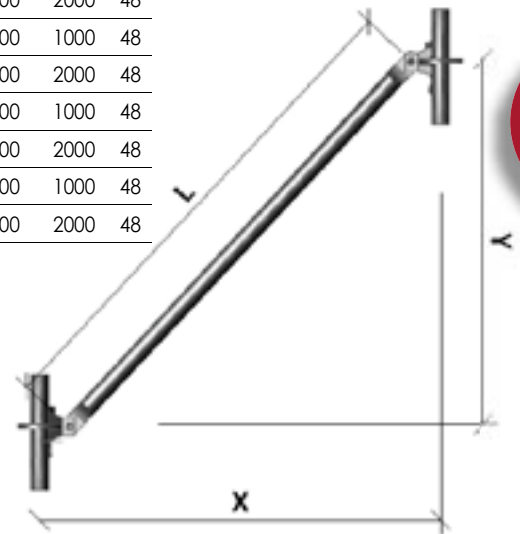
	Weight Kg	Item Nr	L
44	2.25	62020	440
77	3.60	62021	770
110	4.85	62022	1100
150	6.61	62010	1500
180	6.90	62011	1800
200	7.70	62014	2000
250	9.30	62012	2500
300	11.00	62013	3000



MC Diagonal brace



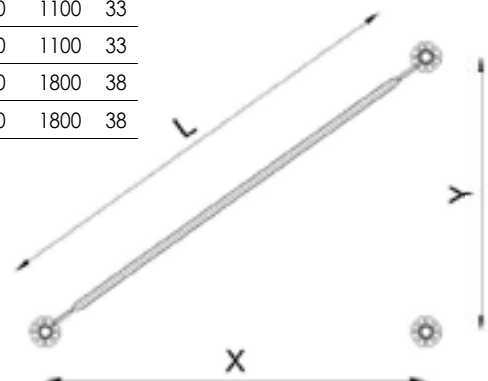
	Weight Kg	Item Nr	L	X	Y	Ø
77/100	5.76	62121	1169	770	1000	48
77/200	8.90	62123	2090	770	2000	48
110/100	6.45	62126	1370	1100	1000	48
110/200	9.31	62128	2208	1100	2000	48
150/100	7.50	62124	1669	1500	1000	48
150/200	10.12	62129	2405	1500	2000	48
180/100	8.31	62131	1917	1800	1000	48
180/200	10.59	62133	2584	1800	2000	48
200/100	9.20	62139	2090	2000	1000	48
200/200	11.10	62144	2715	2000	2000	48
250/100	10.44	62136	2541	2500	1000	48
250/200	12.26	62138	3075	2500	2000	48
300/100	12.03	62141	3007	3000	1000	48
300/200	13.61	62143	3470	3000	2000	48



MC Horizontal brace with pivot



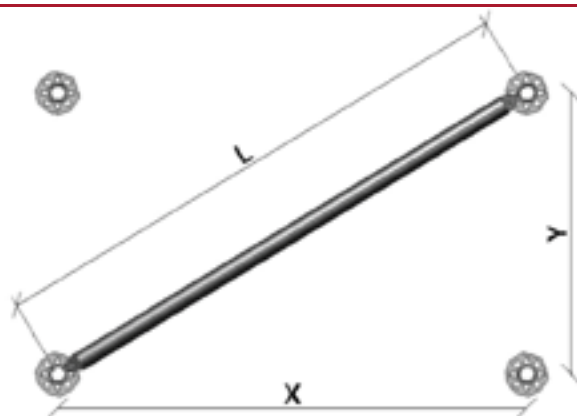
	Weight Kg	Item Nr	L	X	Y	Ø
77/180	3.40	62046	1887	1800	770	33
77/250	4.40	62047	2548	2500	770	33
77/300	7.45	62048	3031	3000	770	33
110/180	3.60	62041	2035	1800	1100	33
110/250	4.60	62042	2660	2500	1100	33
180/180	6.10	62043	2469	1800	1800	38
180/250	7.40	62044	3005	2500	1800	38





- Multiceta® SYSTEM -

MC Horizontal brace Ø 48 with wedge

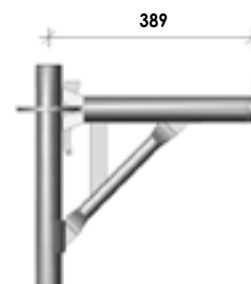


	Weight Kg	Item Nr	L	X	Y
180/180	9.38	62049	2550	1800	1800
250/250	12.82	62036	3487	2500	2500
300/300	15.23	62037	4194	3000	3000

MC Console bracket 33 cm wide



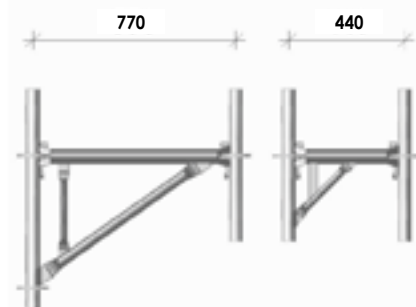
Weight Kg	Item Nr
2.70	62050



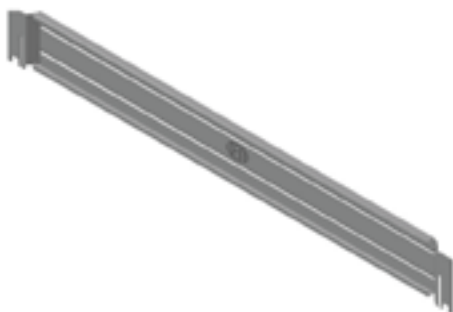
MC Console bracket for scaffold width adjustment



	Weight Kg	Item Nr
33	3.00	62051
66	6.00	62052



MC Toe-board

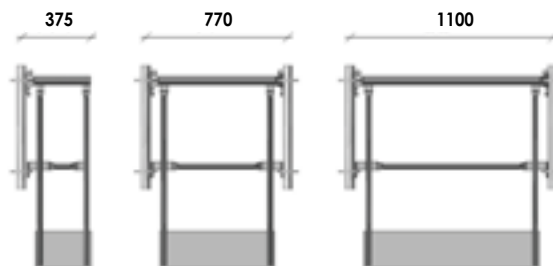
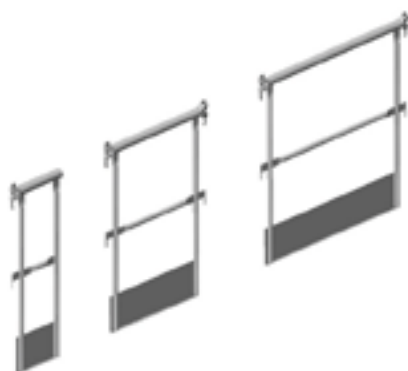


	Weight Kg	Item Nr	L
44	1.38	62077	440
77	2.42	62078	770
110	3.24	62079	1100
150	4.00	62088	1500
180	4.98	62080	1800
200	6.65	62089	2000
250	6.72	62081	2500
300	7.96	62082	3000

- Multiceta® SYSTEM -

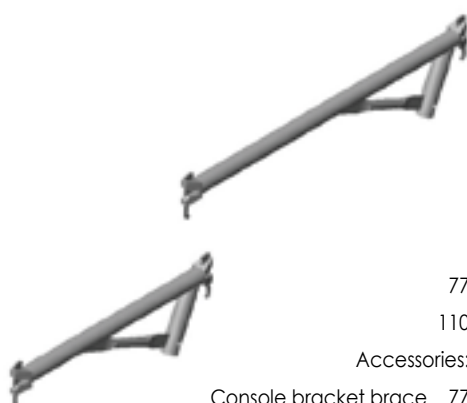


MC End guardrail with toe-board



	Weight Kg	Item Nr
44	5.90	62053
77	9.50	62054
110	12.30	62055

MC Ledger for suspended console



	Weight Kg	Item Nr
77	4.75	62061
110	6.00	62063

Accessories:

Console bracket brace 77	8.50	62062
Console bracket brace 110	8.90	62064



MC Console bracket brace



	Weight Kg	Item Nr
Console bracket brace 77	8.50	62062
Console bracket brace 110	8.90	62064



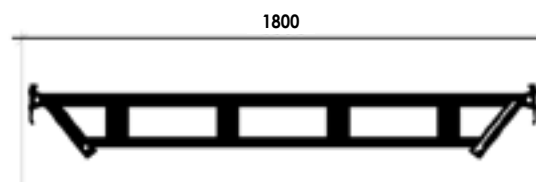
MC Ledger for loading platform



	Weight Kg	Item Nr
180	12.70	62065

Accessories:

Console bracket brace 180	10.25	62066
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- Multiceta® SYSTEM -

MC Console bracket brace 180



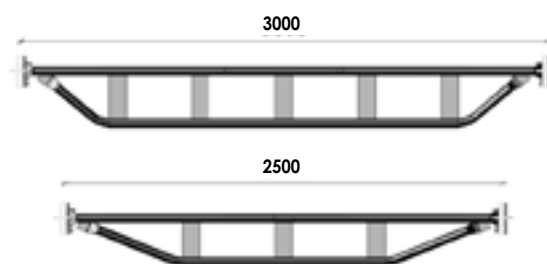
Weight Kg	Item Nr
10.25	62066



MC Reinforced girder ledger



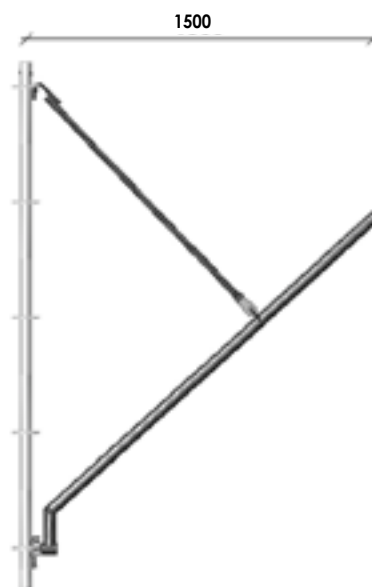
	Weight Kg	Item Nr
250	20.50	62068
300	27.40	62069



MC Protection bracket



Weight Kg	Item Nr
10.90	62071

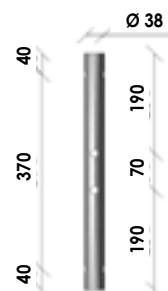


MC Spigot

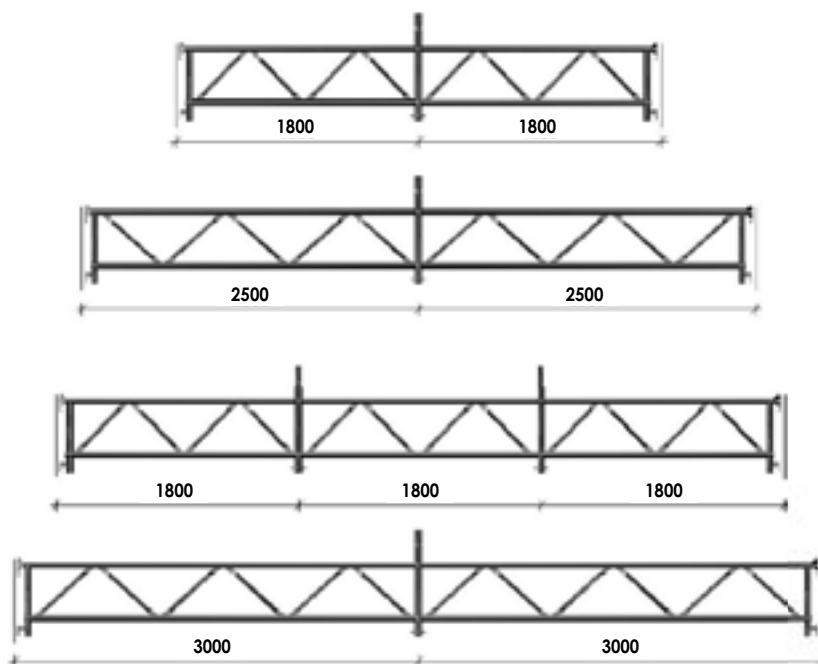
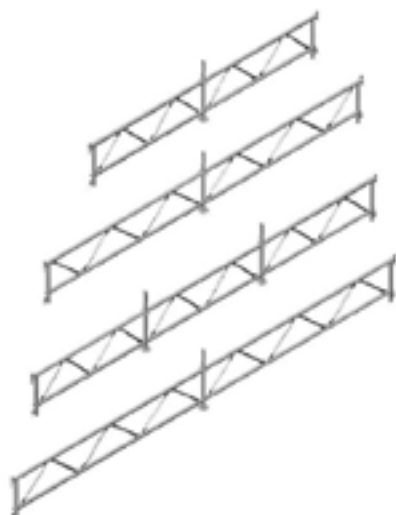


Accessories:
Screw with nut M12x60

Weight Kg	Item Nr
1.00	62108
0.08	62109



MC Lattice girders



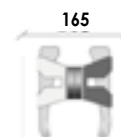
	Weight Kg	Item Nr
360	39.80	62172
500	51.80	62174
540	59.10	62176
600	60.80	62178



MC Double wedge coupler



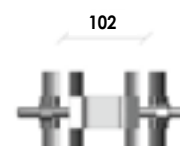
Weight Kg	Item Nr
1.30	62076



MC Double spacer coupler Ø 48.3



Weight Kg	Item Nr
2.50	62075



MC Shifting spigot with coupler



Weight Kg	Item Nr
1.80	62074
0.08	62109

Accessories:
Screw with nut M12x60



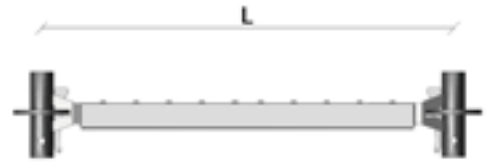


- Multiceta® SYSTEM -

MC Self-supporting steel deck for gap filling



	Weight Kg	Item Nr	L
77	4.00	62090	770
110	5.25	62092	1100
150	7.10	62093	1500
180	7.90	62094	1800
200	9.20	62095	2000
250	10.55	62096	2500
300	14.90	62098	3000

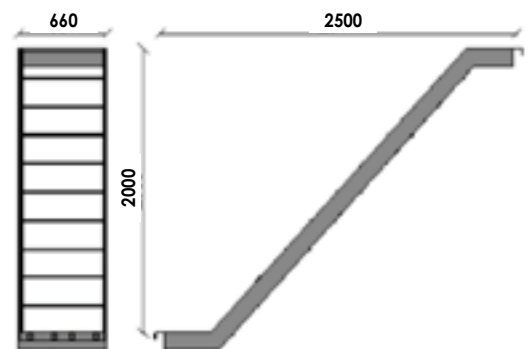


Aluminium stairs SAM 250/200

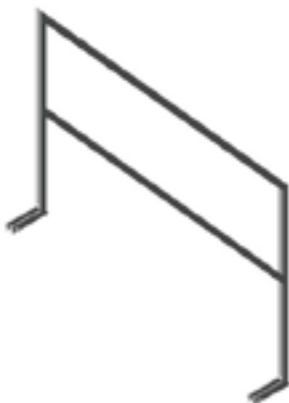
Load capacity: 2kN/m²



Weight Kg	Item Nr
26.40	62160



Stairs guardrail CSM 250/200

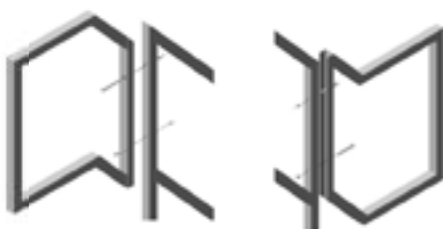


Weight Kg	Item Nr
15.50	62161

Accessories: 2 hammer-head bolts 10x65

0.10	95313
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Landing guardrail



Weight Kg	Item Nr
4.00	62162

Accessories: 2 screws with nut M12x60

0.08	62109
------	-------

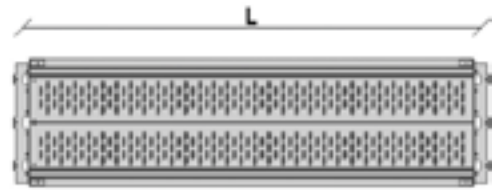
- CK DECKS -



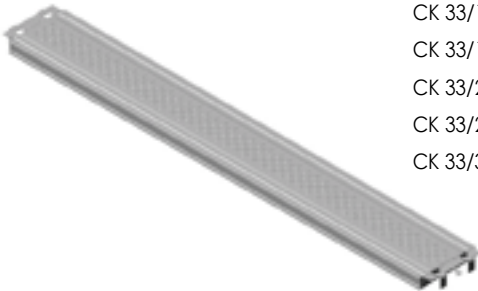
Deck CK50



	Weight Kg	Item Nr	L
CK 50/180	15.83	61460	1800



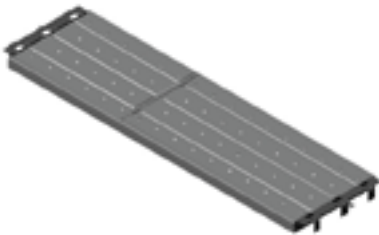
Deck CK33



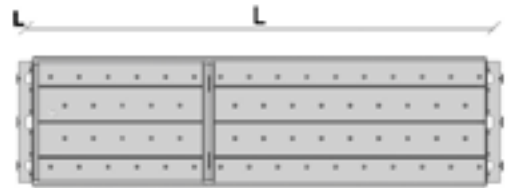
	Weight Kg	Item Nr	L
CK 33 / 77	5.97	61465	770
CK 33/110	7.81	61466	1100
CK 33/150	9.70	61463	1500
CK 33/180	11.71	61467	1800
CK 33/200	13.00	61464	2000
CK 33/250	15.61	61468	2500
CK 33/300	18.39	61469	3000



Steel access deck BK50, galvanized



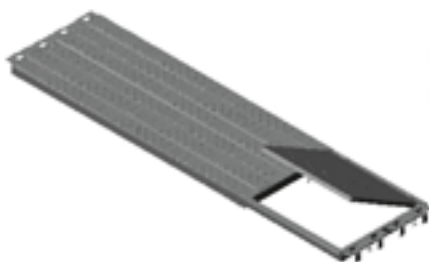
Weight Kg	Item Nr	L
22.50	61474	1800



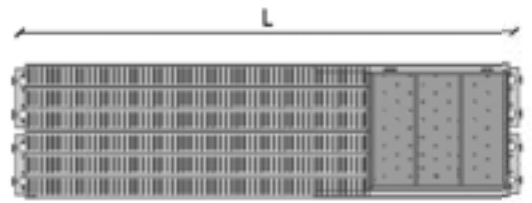
Steel access deck BK50, electro-galvanized

Weight Kg	Item Nr	L
21.50	61475	1800

Steel access deck BK66, electro-galvanized



Weight Kg	Item Nr	L
BK 66/180	61444	1800
BK 66/250	61447	2500



Access deck ladder



Weight Kg	Item Nr
8.11	61486

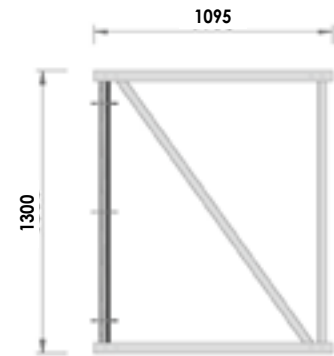


- TMC LATTICE GIRDERS -

Girder TMC110



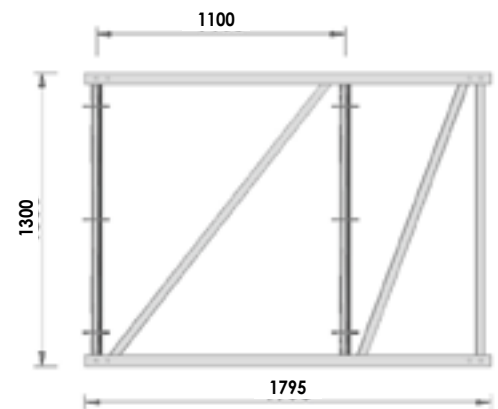
Weight Kg	Item Nr
32.70	70010



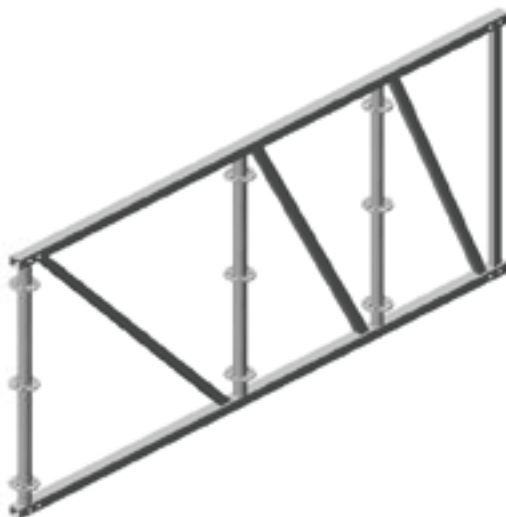
Girder TMC180



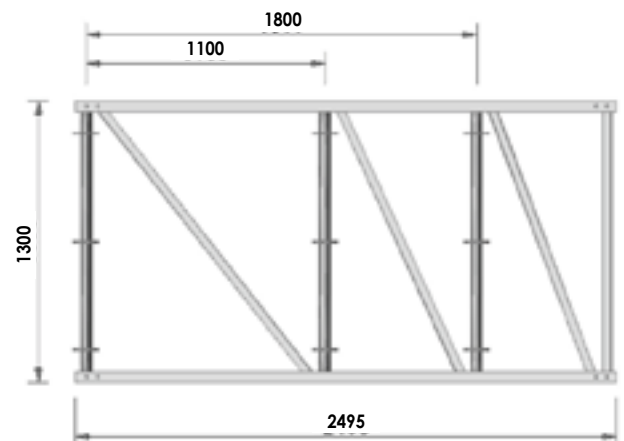
Weight Kg	Item Nr
49.00	70018



Girder TMC 250



Weight Kg	Item Nr
71.65	70020



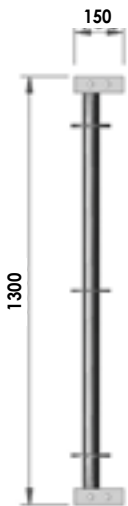
- TMC LATTICE GIRDERS -



TMC end element



Weight Kg	Item Nr
7.65	70030



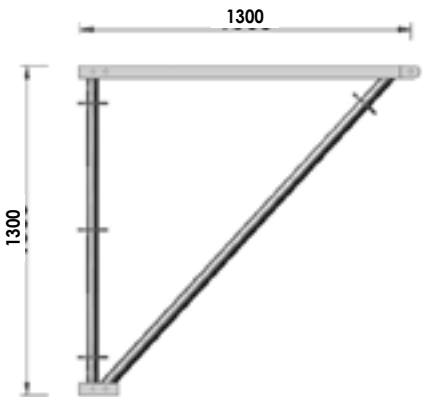
Accessories: 4 bolts 16x80 with nut

Weight Kg	Item Nr
0.22	95191

TMC Ridge element 12.5°



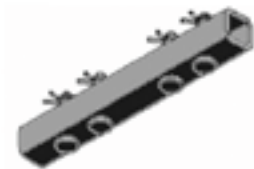
Weight Kg	Item Nr
21.75	70040



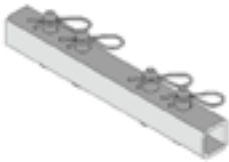
Accessories: 1 bolt 16x60 with nut

Weight Kg	Item Nr
0.20	95190

Girder spigot with 4 pivots ø16 with cotter



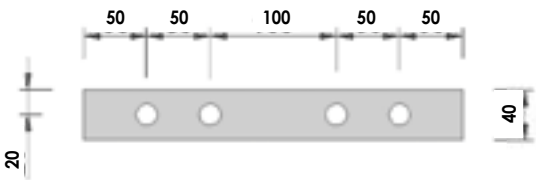
Weight Kg	Item Nr
2.50	70105



Girder spigot



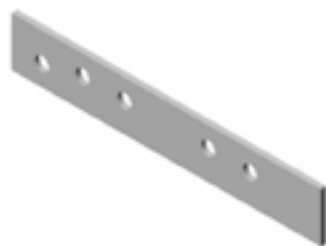
Weight Kg	Item Nr
2.50	70108



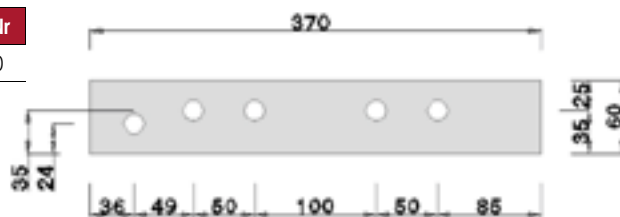
Accessories : 4 pivots ø16 with cotter

Weight Kg	Item Nr
0.15	70100

Tie-beam connection plate 12.5°



Weight Kg	Item Nr
1.20	70050



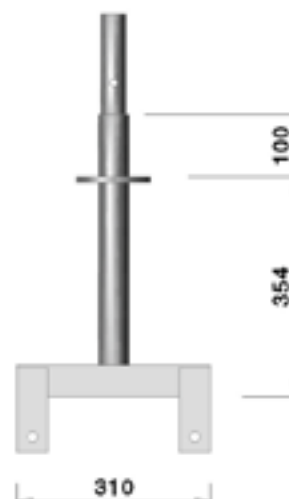
Accessories : 4 pivots ø16 with cotter

Weight Kg	Item Nr
0.25	70102

TMC base collar



Weight Kg	Item Nr
5.30	70060



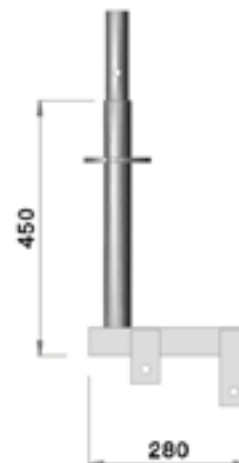
Accessories: 2 pivots ø16 with cotter

Weight Kg	Item Nr
0.25	70102

Asymmetric TMC base collar



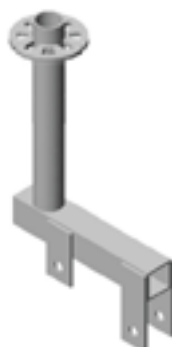
Weight Kg	Item Nr
5.00	70061



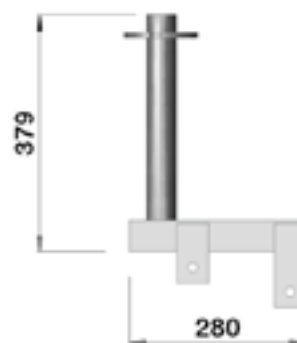
Accessories: 2 pivots ø16 with cotter

Weight Kg	Item Nr
0.25	70102

Asymmetric spigot for working platforms



Weight Kg	Item Nr
4.60	70062



Accessories: 2 pivots ø16 with cotter

Weight Kg	Item Nr
0.25	70102

- TMC LATTICE GIRDERS -



TMC tie-beam 12.5°



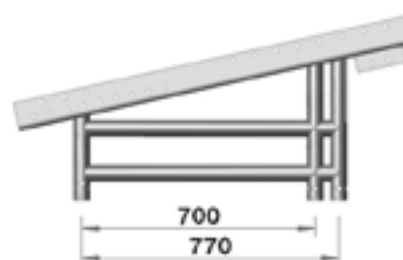
Weight Kg	Item Nr
9.40	70070



Girder support 12.5° 70/77



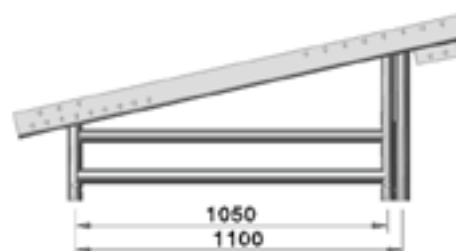
Weight Kg	Item Nr
24.00	70083



Girder support 12.5° 105/110



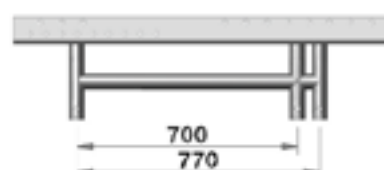
Weight Kg	Item Nr
30.80	70084



Girder support 0° 70/77



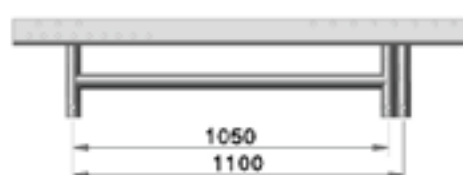
Weight Kg	Item Nr
19.40	70093



Girder support 0° 105/110



Weight Kg	Item Nr
24.30	70094





- TMC LATTICE GIRDERS -

Universal hook, galvanized



Weight Kg	Item Nr
0.16	61348

Pivot ø 16x53 with cotter, galvanized



Weight Kg	Item Nr
0.15	70100

Pivot ø 16x63 with cotter, galvanized



Weight Kg	Item Nr
0.25	70102

Wall tie CSQ, galvanized



	Weight Kg	Item Nr	L
40	1.70	61590	400
70	2.85	61591	700
150	6.00	61592	1500
180	7.10	61593	1800

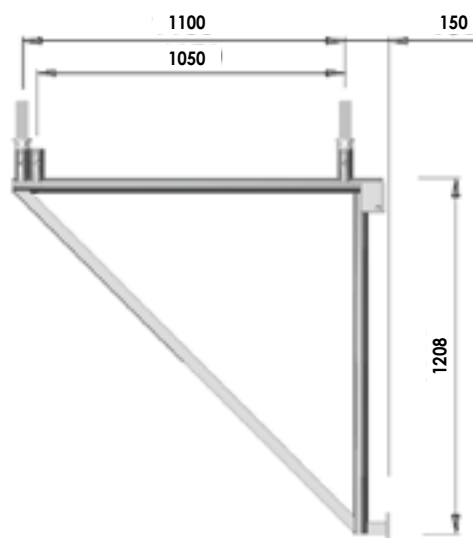
- PREPONT® & MULTICETA® SUSPENDED CONSOLES -



Suspended console with adjustable threaded spindles, bolts M12x60 and safety pivot



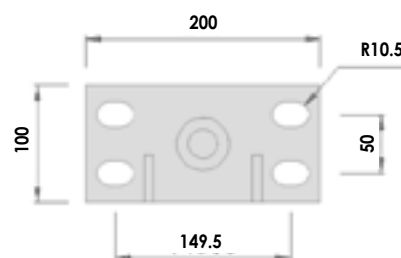
Weight Kg	Item Nr
18.20	61595



Wall anchorage

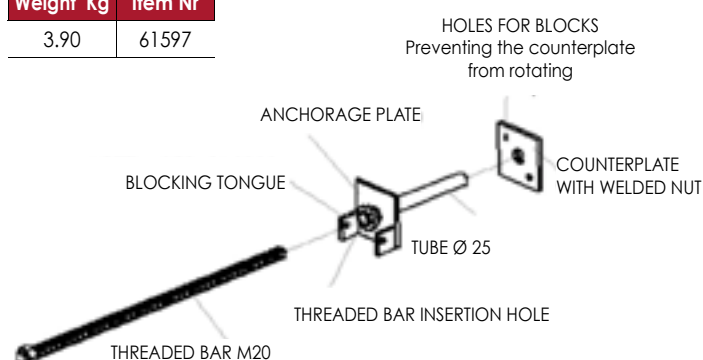
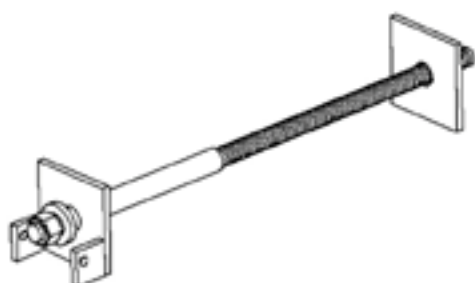


Weight Kg	Item Nr
1.70	61596



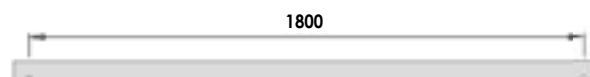
Wall-crossing anchorage with bar M20 L=600

Weight Kg	Item Nr
3.90	61597



Measuring bar for console positioning

Weight Kg	Item Nr
3.80	61598





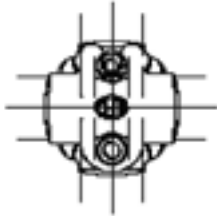
- TUBE AND COUPLER SCAFFOLD -

Galvanized tube $\varnothing$ 48.3x3.2 S235JRH



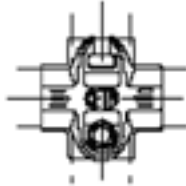
Weight Kg	Item Nr	L
21.32	63261	6000
19.19	63262	5400
17.77	63263	5000
14.21	63265	4000
12.79	63266	3600
10.66	63267	3000
9.59	63268	2700
8.88	63269	2500
7.11	63271	2000
6.40	63272	1800
5.33	63273	1500
4.26	63277	1200
2.84	63279	800
1.77	63284	500

Orthogonal coupler, 4 bolts, cold-forged, galvanized



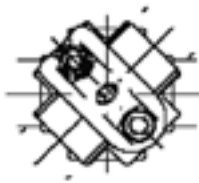
Weight Kg	Item Nr
1.50	63537

Orthogonal coupler, 2 bolts, hot-forged, galvanized



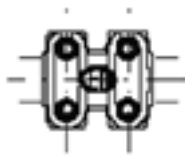
Weight Kg	Item Nr
1.45	63501

Swivelling coupler, 4 bolts, cold-forged, galvanized



Weight Kg	Item Nr
1.95	63548

Double coupler, 4 bolts, hot-forged, galvanized



Weight Kg	Item Nr
1.75	63504

Galvanized spigot



Weight Kg	Item Nr
0.64	63600



- TI" WOODEN BEAMS -



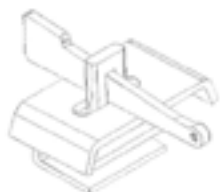
Moment = 5.0 kNm
Cut = 11.0 kN.



	Weight Kg	Item Nr	L
Wooden beam TI145	7.25	61600	1445
Wooden beam TI245	11.40	61601	2450
Wooden beam TI265	13.50	61602	2650
Wooden beam TI290	14.50	61603	2900
Wooden beam TI330	16.50	61604	3300
Wooden beam TI390	19.50	61605	3900
Wooden beam TI450	22.50	61606	4500
Wooden beam TI490	24.50	61607	4900
Wooden beam TI590	29.50	61608	5900

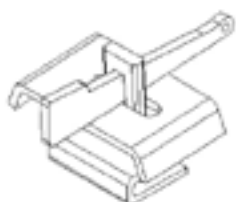
- ACCESSORIES -

Fixing element for "TI" wooden beam - "PI" ledger, galvanized



Weight Kg	Item Nr
0.65	61505

Fixing element for "PI" ledger , galvanized



Weight Kg	Item Nr
0.65	61504

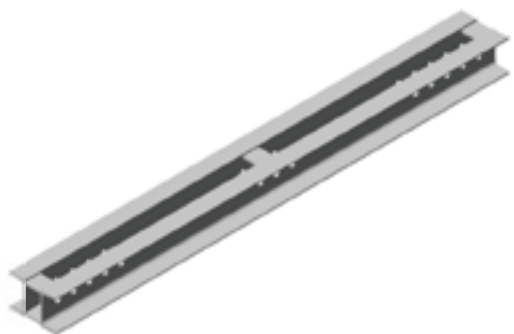
Fixing element for "TI" wooden beam - Ledger ø48, galvanized



Weight Kg	Item Nr
0.65	61503

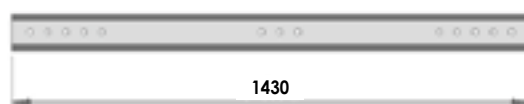


- "PI" LEDGERS FOR SUPPORTING SCAFFOLDS -



Ledger PI143

Weight Kg	Item Nr
32.50	61511



Ledger PI193

Weight Kg	Item Nr
44.50	61512



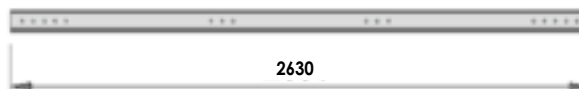
Ledger PI223

Weight Kg	Item Nr
55.50	61513



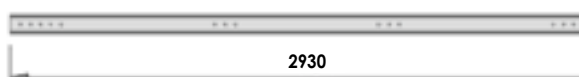
Ledger PI263

Weight Kg	Item Nr
59.30	61514



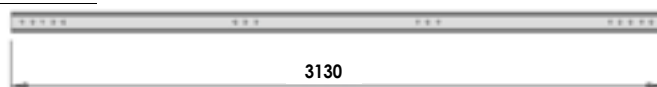
Ledger PI293

Weight Kg	Item Nr
66.00	61515



Ledger PI313

Weight Kg	Item Nr
70.40	61516



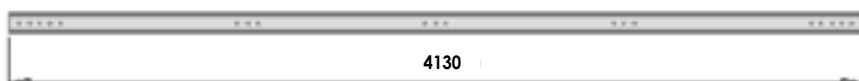
Ledger PI363

Weight Kg	Item Nr
81.50	61517



Ledger PI413

Weight Kg	Item Nr
88.00	61518



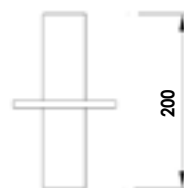
- MULTICETA STAGE -



MC stage base collar



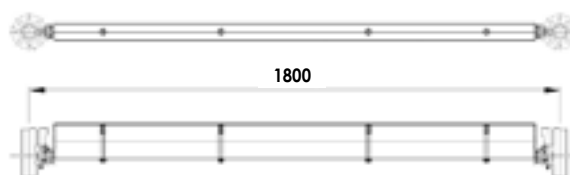
Weight Kg	Item Nr
1.21	43300



MC stage beam 1.80 m



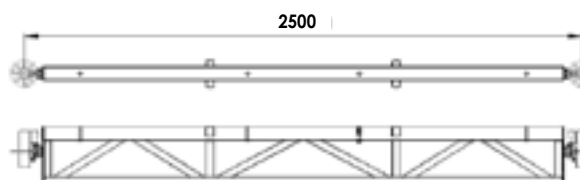
Weight Kg	Item Nr
46.30	43306



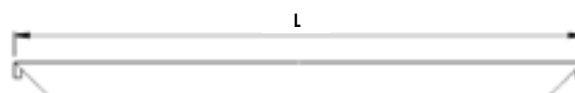
MC stage lattice girder 2.50 m



Weight Kg	Item Nr
25.30	43303

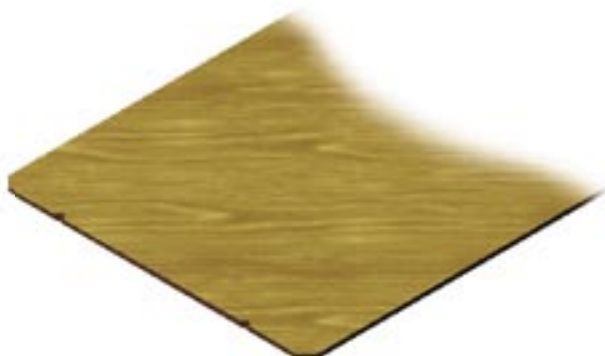


MC middle support



	Weight Kg	Item Nr	L
m 1.80	8.10	43312	1740
m 2.50	16.90	43309	2440

	Weight Kg	Item Nr
Plywood surface m 0,90x2,5	27,95	43318
Plywood surface m 1,25x2,5	38.90	43315



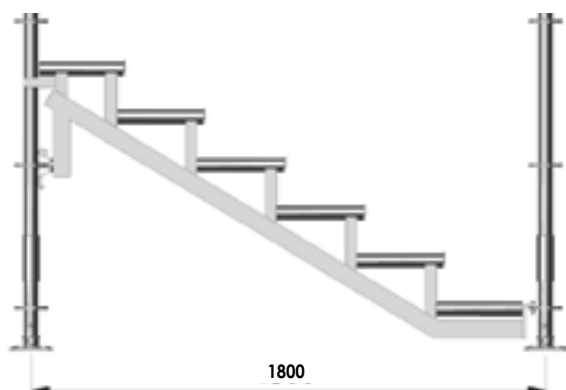
	Weight Kg	Item Nr
Screw TL M10 x 30 ZN	0.02	43321

	Weight Kg	Item Nr
Stopper (61.5 x 61.5)	0.01	43324

- EXIT MC STAIRS - Multiceta®



EXIT MC stair stringer

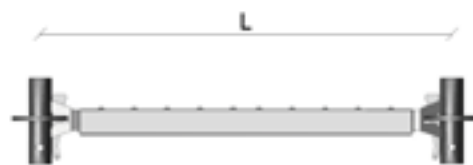


Weight Kg	Item Nr
22.5	62500

MC Self-supporting steel deck for gap filling



	Weight Kg	Item Nr	L
77	4.00	62090	770
110	5.25	62092	1100
150	7.10	62093	1500
180	7.90	62094	1800
200	9.20	62095	2000
250	10.55	62096	2500
300	14.90	62098	3000



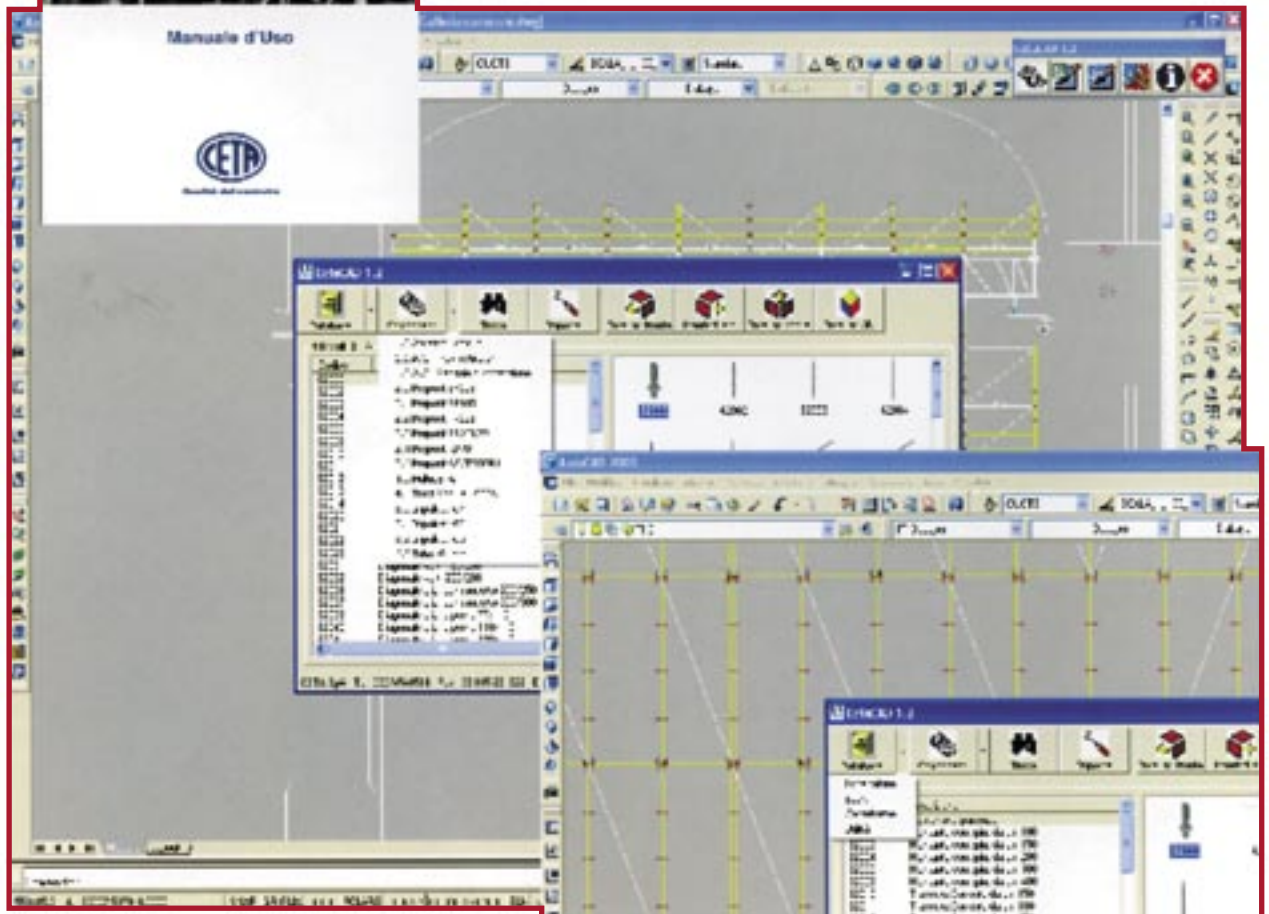
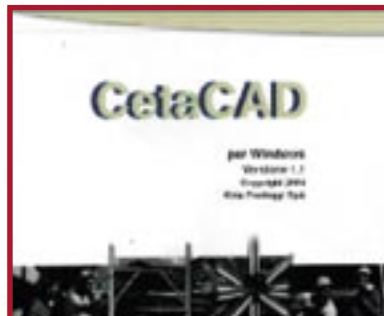
- CETACAD SOFTWARE for Autocad and Autocad LT -



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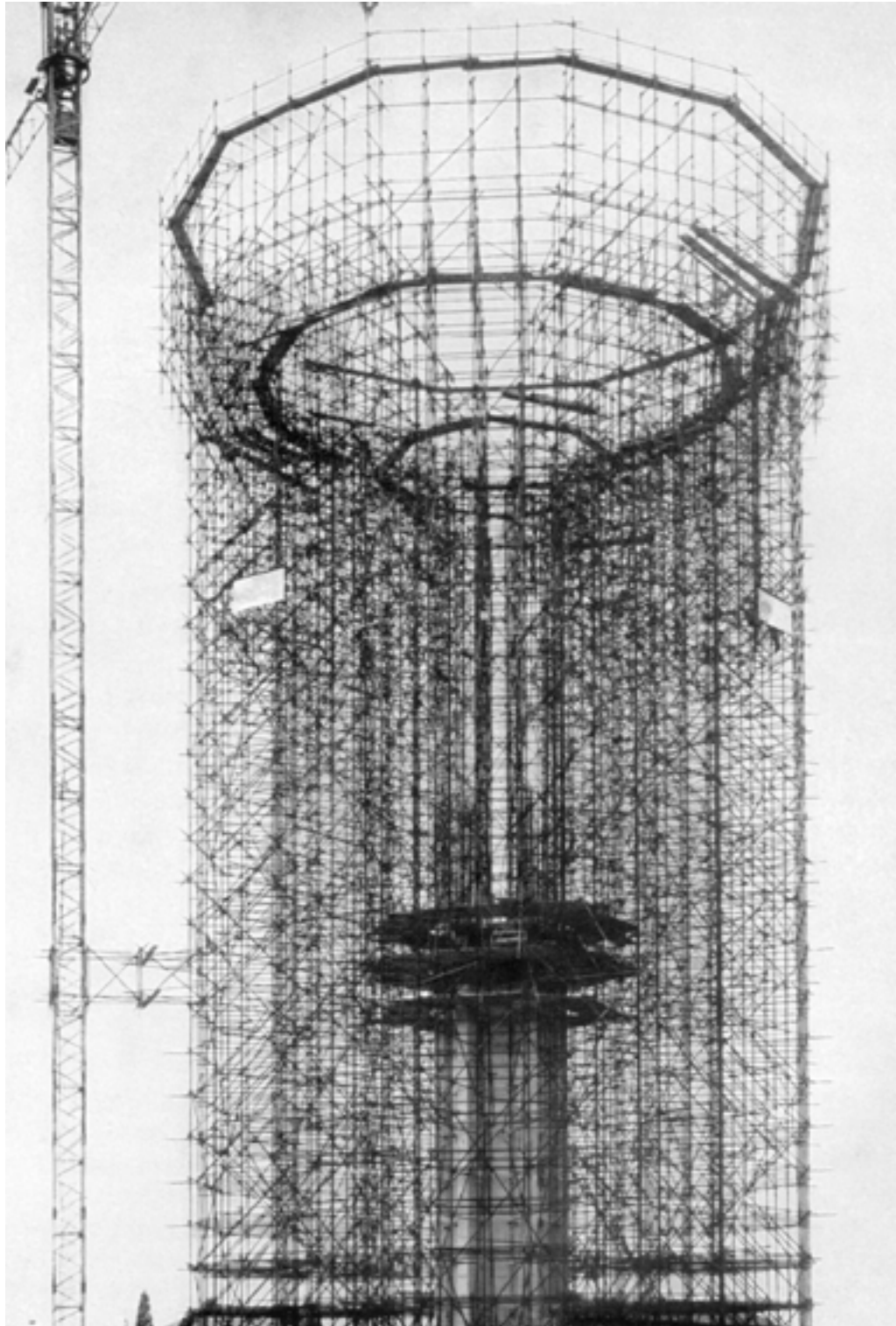
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