

9

LIGHT ALLOY EQUIPMENTS

C175 overhead lines bicycles

Bicycle for single, twin, 3- and 4-bundle conductor lines. Nylon wheels mounted on ball-bearings. Fit for moving on conductors. Equipped with negative disc brake and a safety brake clamping the conductor, safety belt, and metercounter. Max slope percentage 25%.

In models C175.2 C175.3 and C175.4, the wheel-distance is adjustable up to 500 mm.

On demand:

- 01. Bag for spacers.
- 02. Electric motor with battery, speed 15 m/min, 3-hours autonomy circa, weight 19 kg ⁽¹⁾.
- 03. Wheel-distance adjustable up to 600 mm ⁽¹⁾.
- 04. Gasoline engine 2 hp, speed 0 to 20 m/min max, weight 15 kg ⁽¹⁾.
- 05. Container for transporting and storing.





⁽¹⁾ available for mod. C175.2 C175.3 and C175.4



C175.1



C175.2

			Capacity daN	Dimensions m	Weight kg
C175.1	for single conductor lines		100	1,15 x 0,50 x 1,81	26
C175.2	for twin conductor lines ⁽¹⁾		100	0,75 x 0,70 x 1,40	34
C175.3	for 3-bundle conductor lines ⁽¹⁾		100	0,70 x 0,60 x 1,40	40
C175.4	for 4-bundle conductor lines ⁽¹⁾		100	1,60 x 0,70 x 1,50	49

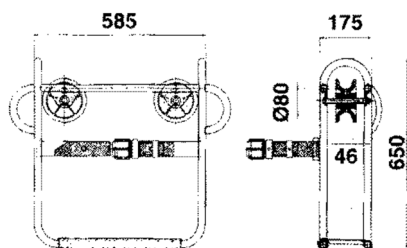
⁽¹⁾distance between conductors to be specified on the purchase order

C150.10

Single-seat line car fit for single-conductor lines. Aluminium alloy structure with nylon wheels mounted on ball-bearings. Nylon band for back support.

Capacity: 100 daN

Weight: 6,5 kg

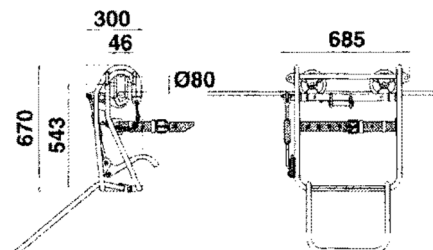


C150.11

Single-seat line car fit for single-conductor lines. Aluminium alloy structure with nylon wheels mounted on ball-bearings. Parking brake. Nylon band for back support. Foot rest.

Capacity: 100 daN

Weight: 11 kg



C155.10

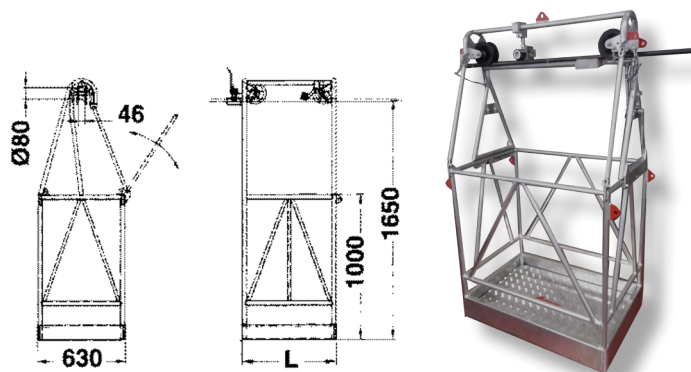
Line car for single-conductor lines. Fit for 1 lineman. Aluminium alloy structure with nylon wheels mounted on ball-bearings. Parking brake. Equipped with metercounter.

C155.10.A L=650 mm, fit for 1 person, capacity 100 kg, weight 28 kg.

C155.10.B L=1000 mm, fit for 2 persons, capacity 200 kg, weight 40 kg.

OPTIONAL DEVICE

- 707 - Negative disc brake manually controlled
- 709 - Device for car angle adjustment (only for mod. C155.10.B).



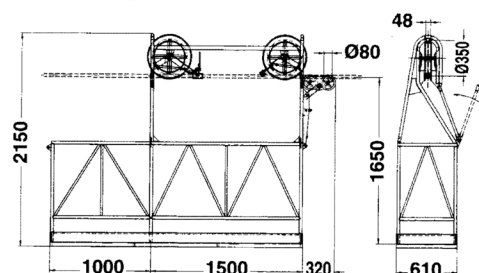
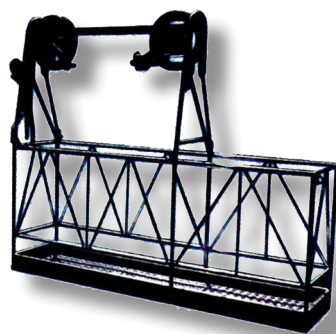
C155.11

Line car for single-conductor electric lines. Fit for 2 linemen. Aluminium alloy structure with nylon wheels mounted on ball-bearings.

Parking brake. Equipped with metercounter.

Capacity: 200 daN

Weight: 82 kg.



C155.A.2

Line-car for twin conductor lines (2 cond.). Made of light alloy structure with nylon wheels mounted on ball-bearings. Stationary brake and metercounter.

Adjustable distance between wheels: 400 to 500 mm.

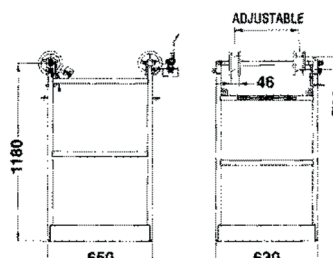
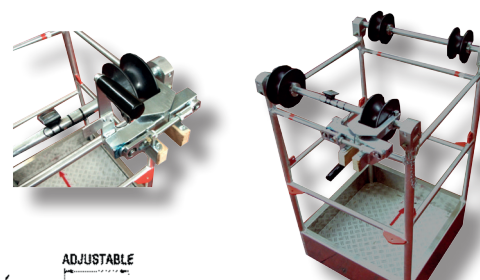
Max load: 100 daN

Weight: 34 kg

OPTIONALS

- 707 - Negative disk brake, with manual opening.

Also available for 3-bundle lines (3 conductors): mod. **C155.A.3**



C155.AM.2

Motorized line-car for twin conductor lines (2 cond.). Made of light alloy structure with nylon wheels mounted on ball-bearings. Transmission axle with high grip rubber wheels. Stationary brake and metercounter.

Adjustable distance between wheels: 400 to 500 mm.

Gasoline engine: 2,4 hp, 2 strokes, 48 cc.

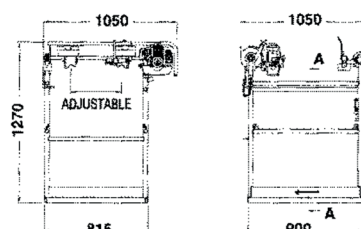
Speed: 0-20 m/min.

Max inclination: 25%.

Mechanical transmission with idle device.

Max load: 100 daN

Weight: 56 kg



Also available for 3-bundle lines (3 cond.): mod. **C155.AM.3**

EQUIPMENT

line cars

OMAC
ITALY
SINCE 1954

C155.B

Line-car for 2 linemen, fit for 2-, 3- or 4-bundle conductor lines. Made of light alloy structure with nylon wheels mounted on ball-bearings. Stationary brake and metercounter.

Max load: 200 daN

OPTIONAL

707 Negative disk brake, with manual opening.

C155.BM

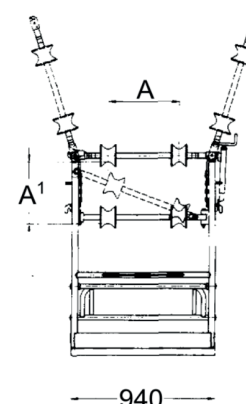
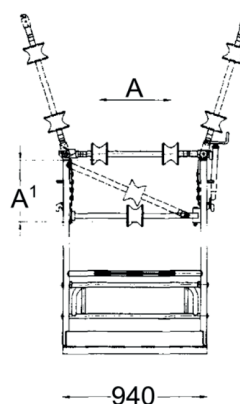
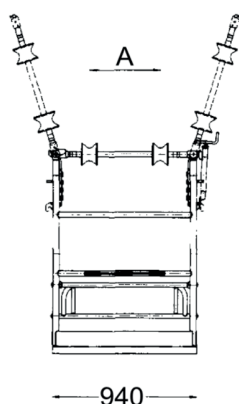
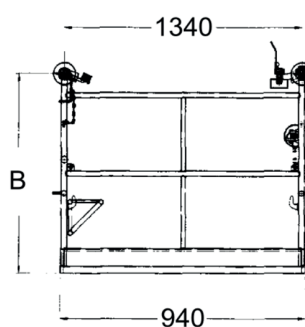
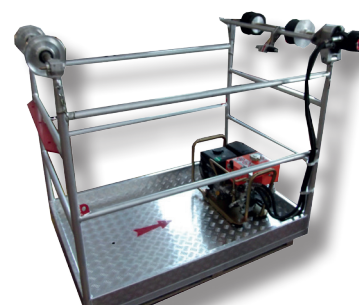
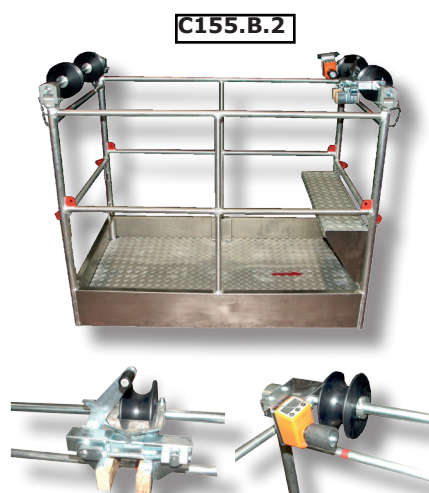
Motorized line-car for 2 linemen, fit for 2-, 3- or 4-bundle conductor lines. Light alloy structure. Aluminum wheels mounted on ball-bearings. Transmission axle with high frip rubber wheels. Stationary brake and metercounter.

Max load: 200 daN

Gasoline engine: 5 hp, 48 cc with hydraulic power unit.

Translation speed: 0-30 m/min.

Max slope: 40%. Removable engine and hydraulic transmission group.



n. of conductors of the line: height 'B'	2 conductors B = 1200 mm	3 conductors B = 1550 mm	4 conductors B = 1550 mm
line car without engine	C155.B.2 weight 45 kg	C155.B.3 weight 50 kg	C155.B.4 weight 55 kg
line car with engine	C155.BM.2 weight 115 kg	C155.BM.3 weight 125 kg	C155.BM.4 weight 140 kg

note: the dimensions A and A¹ are adjustable 400-457-500-600 mm.
Line cars with different dimensions can be produced on request.

EQUIPMENT

line cars

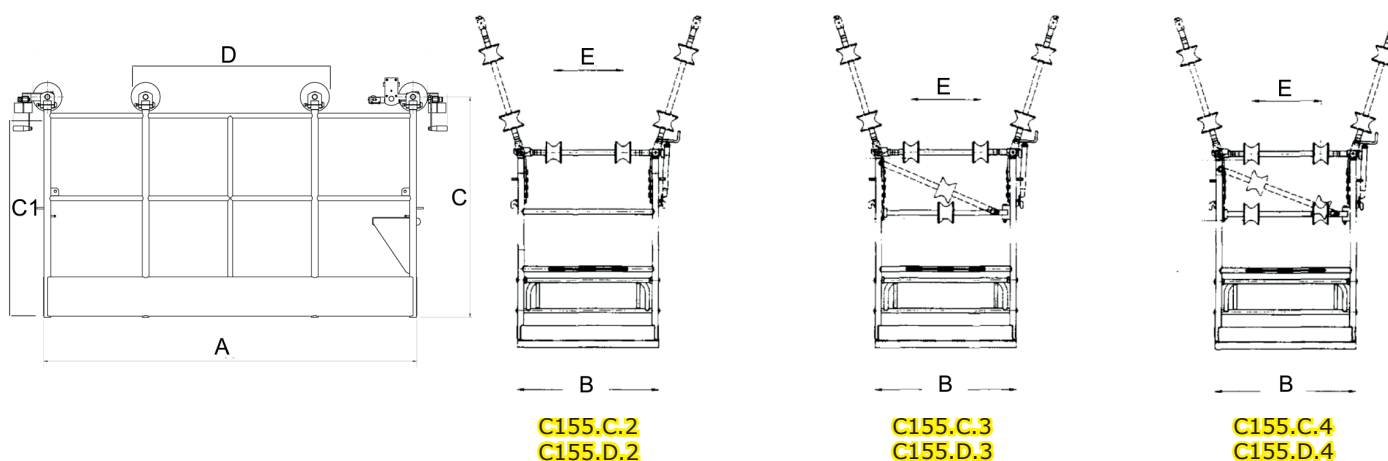
C155.C / C155.D

Line-car for 2 linemen, fit for 2-, 3- or 4-bundle conductor lines.

- Light aluminium-alloy structure welded TIG-system.
- Four openable arms for wheels, fit for passing obstacles.
- Aluminium wheels mounted on bearings.
- Parking brake acting on the conductor.
- Metercounter.
- Service platform.
- Fit for 2 operators.

OPTIONAL

- 01 Nylon wheels mounted on bearings.
- 02 Negative disk brake, with manual opening.
- 03 Arms for wheels openable with horizontal rotation.



	Line type	Max load kN	Dimensions (mm)						Weight kg
			A	B	C	C1	D	E	
C155.C.2	2 cond.	2,5	1900	850	1250	1100	865	400-500	80
C155.C.3	3 cond.								83
C155.C.4	4 cond.								85
C155.D.2	2 cond.	2,5	1900	950	1350	1200	865	400-600	87
C155.D.3	3 cond.								90
C155.D.4	4 cond.								95

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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

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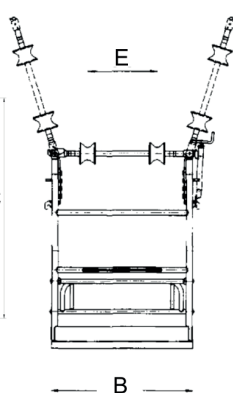
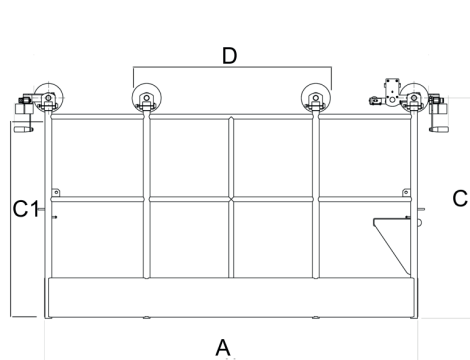
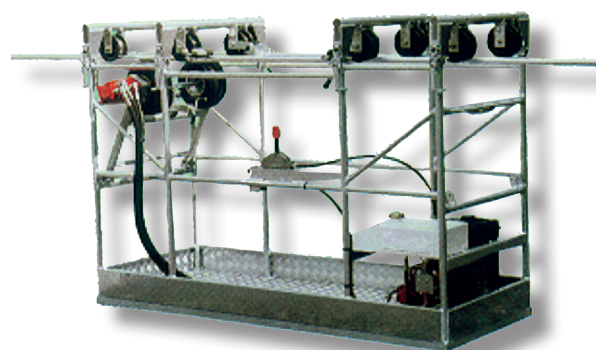
C155.CM

Motorised line-car for 2 linemen, fit for 2-, 3- or 4-bundle conductor lines.

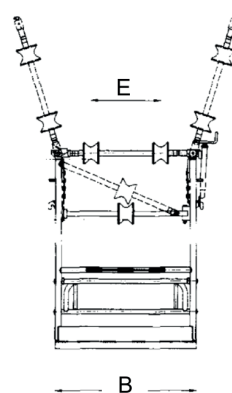
- Light aluminium-alloy structure welded TIG-system.
- Four openable arms for wheels, fit for passing obstacles.
- Aluminium wheels lined with hi-grip rubber.
- Parking brake acting on the conductor.
- Metercounter.
- Service platform.
- Fit for 2 operators.
- Hydraulic power pack transmitting the motion to the openable driven wheels.
- Gasoline engine 4 hp.
- Variable speed 0 to 30 m/min in both senses.
- Max slope allowed: 40%.
- Removable power pack.

OPTIONAL

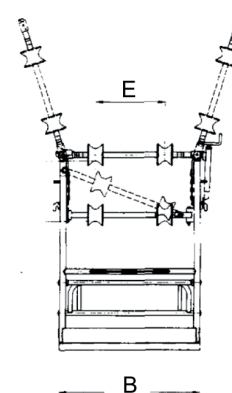
- 03 Arms for wheels openable with horizontal rotation.
 04 Earthing device.



C155.CM.2



C155.CM.3



C155.CM.4

	Line type	Max load kg	Dimensions (mm)						Weight kg
			A	B	C	C1	D	E	
C155.CM.2	2 cond.	200	1900	950	1250	1100	865	400-600	158
C155.CM.3	3 cond.				1650	1500			167
C155.CM.4	4 cond.				1650	1500			175

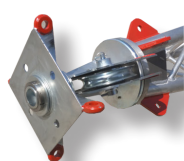
C158

**Gin poles made of aluminium alloy tubular structure welded with TIG system.
Made of two or more separated sections.**

Working Capacity: 1000 to 10000 daN (note: the real capacity depends on the angle of use).
Standard lengths: 6 to 20 m. Available in two versions: with external wire-rope passage (standard) or internal wire-rope passage (optional).
Complete of swivelling head, base with ground plate and base hook for tower attachment.

OPTIONAL

.INT - Device for internal wire-rope passage, available for gin poles long 12 m or more. Ordering code will be: C158....INT (ie: C158.100.062.INT).



Swivelling head (standard)



Swivelling lower hook (standard)



Base plate (standard)



Swivelling head (Opt.INT)



Swivelling lower hook (Opt.INT)



	Capacity (P = Q + T)			Total length m	Sections		Weight (¹)		Weight of the base kg
	P1 α=0°	P2 α=20°	P3 α=20°		Number	Lengths m	Standard version	.INT version	
	daN	daN	daN				kg	kg	
C158.100.062	1000	600	250	6	2	3+3	48	58	10
C158.100.082				8	2	4+4	60	71	
C158.150.082	1500	900	350	8	2	4+4	66	75	10
C158.150.102				70	2	5+5	78	87	
C158.150.123				12	3	4+4+4	88	97	
C158.200.082	2000	1200	500	8	2	4+4	70	78	10
C158.200.103				12	3	4+2+4	85	93	
C158.200.123				12	3	4+4+4	95	103	
C158.400.102	4000	2500	1000	10	3	5+5	100	115	19
C158.400.123				12	3	4+4+4	125	145	
C158.400.163				16	4	5+6+5	170	185	
C158.400.204				20	4	5+5+5+5	210	225	
C158.500.123	5000	3000	1200	12	3	4+4+4	140	155	19
C158.500.164				16	4	4+4+4+4	210	225	
C158.500.204				20	4	5+5+5+5	250	285	
C158.700.122	7000	4500	1700	12	2	6+6 (²)	165	205	29
C158.700.163				16	3	5+6+5 (²)	215	255	
C158.700.164				16	4	4+4+4+4	215	255	
C158.700.204				20	4	5+5+5+5	270	290	
C158.1000.163	10000	7000	2400	16	3	5+6+5 (²)	245	282	60
C158.1000.204				20	4	5+5+5+5	298	335	
C158.1000.244				24	4	6+6+6+6	350	385	

(¹) weight of gin pole complete with swivelling head and swivelling hook, but without base

(²) it is possible to build sections with different lengths

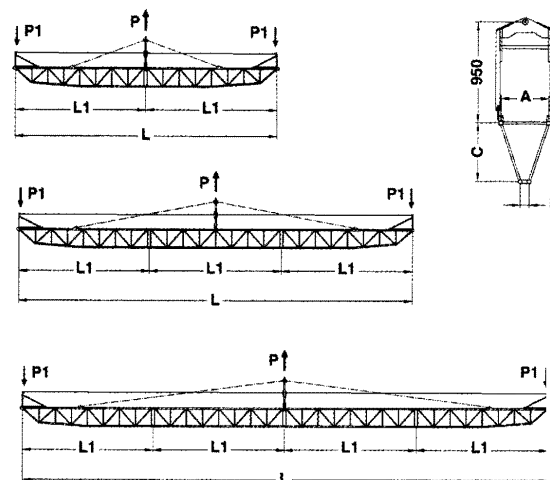
F127 suspension platforms

Suspension platform for overhead line works. Aluminium alloy structure. Made of two or more trapezoidal sections, with central fitting and lateral hooks for anchoring. Complete with wire ropes and turnbuckles.

OPTIONAL

- 701 Trolley for press, swivelling 360°.
- 703 Rail for press-trolley .
- 704 Double-side antifall protection.
- 704.1 Single-side antifall protection.

On demand, we build suspension platforms with higher capacities or different lengths



**Opt. 704
and 704.1**



**Opt. 701
and 703**

	Total length L	Length of each section L1	Working load P1	Total working load P1+P1 (P)	Breaking load	Dimensions (mm)			Weight (¹)
	m	m	daN	daN	daN	A	B	C	kg
F127.4	4	4	300	600	1800	350	90	400	50
F127.5	5	5	300	600	1800	350	90	400	59
F127.6 (²)	6	6	300	600	1800	350	90	400	64
F127.6.2	6	3+3	300	600	1800	350	90	400	69
F127.8.2	8	4+4	300	600	1800	350	90	450	85
F127.12.2 (²)	12	6+6	300	600	1800	350	90	450	115
F127.14.3	14	5+4+5	300	600	1800	350	90	450	130
F127.16.3 (²)	16	5+6+5	300	600	1800	350	90	450	140
F127.18.3	18	6+6+6	300	600	1800	350	90	450	164
F127.20.4 (²)	20	5+5+5+5	300	600	1800	450	90	550	198

(¹) weight including 1 single antifall device opt. 704.1; (²) standard length

Ladder fit for vertical suspension, for working on transmission towers. Aluminium alloy construction, TIG welded, in one lenght or more separated sections to facilitate the transport. Hook complete with steel safety cable.

C167.AS ladder with one guide for antifall device type DA1

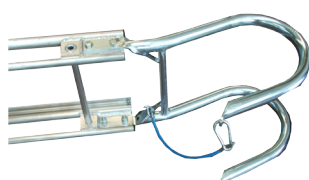
C167.AD ladder with two guides for antifall devices type DA1

Working Capacity: 300 daN

OPTIONAL

DA1 Antifall device complete with fall absorber, nylon tape and carabiner (part 'A').

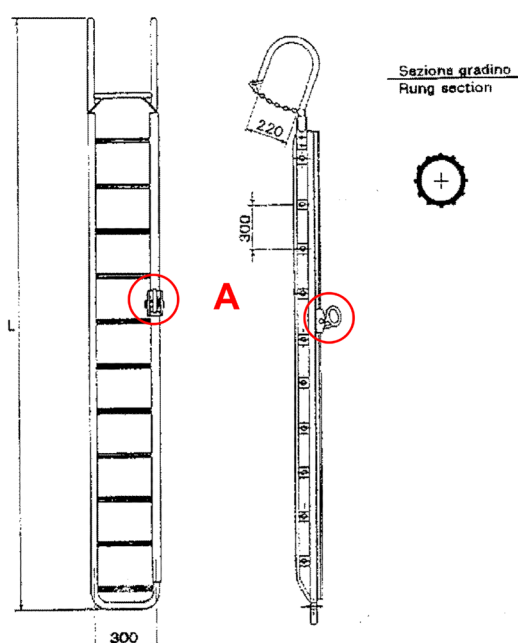
AGM Wider hook opening (300 mm).



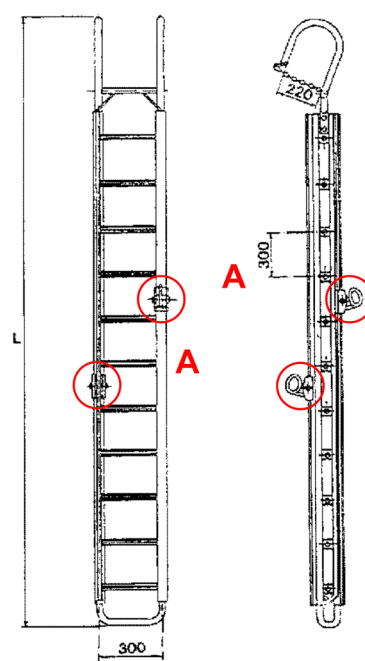
wider hook
type AGM



antifall device
type DA1



version AS
with single antifall device



version AD
with double antifall device

Version AS	Version AD	Total length (L) m	Sections No.	Weight (ver. AS) kg	Weight (ver. AD) kg
C167.AS.251	C167.AD.251	2,5	1	9,5	11
C167.AS.351 ⁽¹⁾	C167.AD.351 ⁽¹⁾	3,5	1	12,5	15
C167.AS.451 ⁽¹⁾	C167.AD.451 ⁽¹⁾	4,5	1	15	18
C167.AS.501	C167.AD.501	5	1	18	21
C167.AS.601 ⁽¹⁾	C167.AD.601 ⁽¹⁾	6	1	19,5	23
C167.AS.602 ⁽¹⁾	C167.AD.602 ⁽¹⁾	6 (4+2)	2	21	24
C167.AS.802	C167.AD.802	8 (4+4)	2	30	35

⁽¹⁾ standard length

C167.F

Suspension ladder fit for vertical or horizontal use.

Aluminum alloy structure welded with TIG system, complete with T profile for anti-fall device. Interchangeable tower hook made of galvanized steel. The foldable end with conductor hook allows to use the ladder as a horizontal platform.

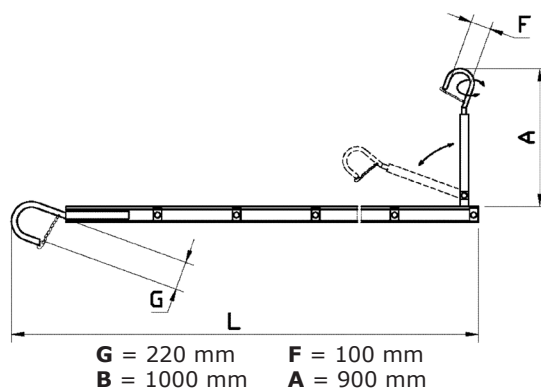
Vertical working load: 300 daN.

Horizontal working load: 100 daN.

OPTIONAL

- 01 Conductor hook complete with nylon sheave.
- 02 Special structure with horizontal working load of 200 daN (code becomes **C167.F...S**).
- DA1 Antifall device.

	Total length (L)	No. of parts	Weight
	m		kg
C167.F.301	3	1	16,5
C167.F.401	4	1	20
C167.F.601	6	1	29,5



Opt. DA1



Opt. 01

C167.G

Suspension ladder fit for vertical and horizontal use.

Aluminum alloy structure welded with TIG system, complete with T profile for anti-fall device. The two foldable ends, fitted with hooks for tower and for conductor, allow to use the ladder as a horizontal platform.

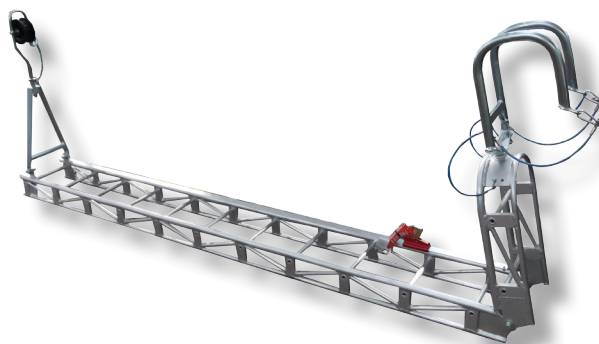
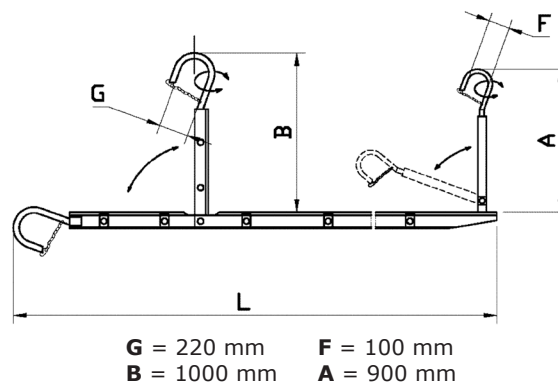
Vertical working load: 300 daN.

Horizontal working load: 100 daN.

OPTIONAL

- 01 Conductor hook complete with nylon sheave.
- 02 Special structure with horizontal working load of 200 daN. (code becomes **C167.G...S**).
- DA1 Antifall device.

	Total length (L)	No. of parts	Weight
	m		kg
C167.G.301	3,10	1	18,5
C167.G.401	4,10	1	22
C167.G.601	6,20	1	32



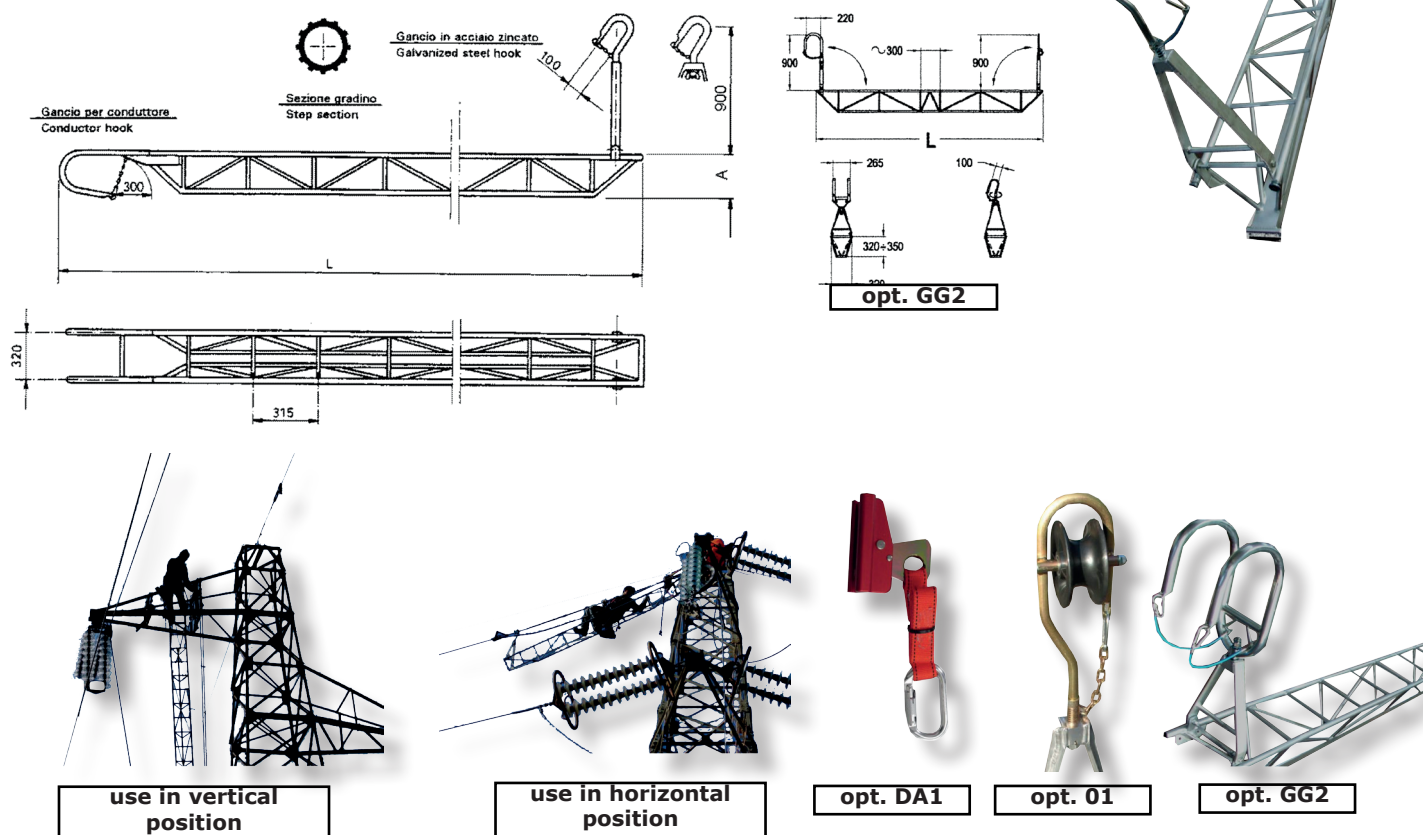
Opt. 01

C161 anchoring ladders

Anchoring ladder made of light aluminum alloy, with steps made of antislipping material and suspension hooks in hot-dip galvanized steel. The ladder is complete with a fix hook for tower, 220 mm opening, and a swivel hook for leaning on the conductor, to use the ladder in horizontal position. The ladders have trapezoidal shape.

OPTIONAL

- GG2 Swivel and folding hook for tower, 220 mm opening, replacing the fix hook.
 01 Hook for conductor complete with nylon pulley.
 AS Single antifall device DA1
 DA1 Antifall device complete with fall absorber, nylon tape and carabiner



	Total length (L)	Length of each part	Dimension A	Min. breaking load	Max ⁽²⁾ horizontal working load	Max vertical working load	Weight
	m	No.	mm	kN	kN	kN	kg
C161.TP.351 ⁽¹⁾	3,5	3,5	320	15	3	3	17
C161.TP.401	4,0	4,0	320	15	3	3	20
C161.TP.451 ⁽¹⁾	4,5	4,5	320	15	3	3	22
C161.TP.501	5	5	320	15	3	3	24,5
C161.TP.601 ⁽¹⁾	6	6	350	15	3	3	27,5
C161.TP.652	6,5	4,5 + 2	350	15	3	3	31
C161.TP.702	7	4 + 3	350	15	3	3	35
C161.TP.802	8	4 + 4	350	15	3	3	40

⁽¹⁾ standard length ⁽²⁾ max horizontal working load with safety factor 1:5