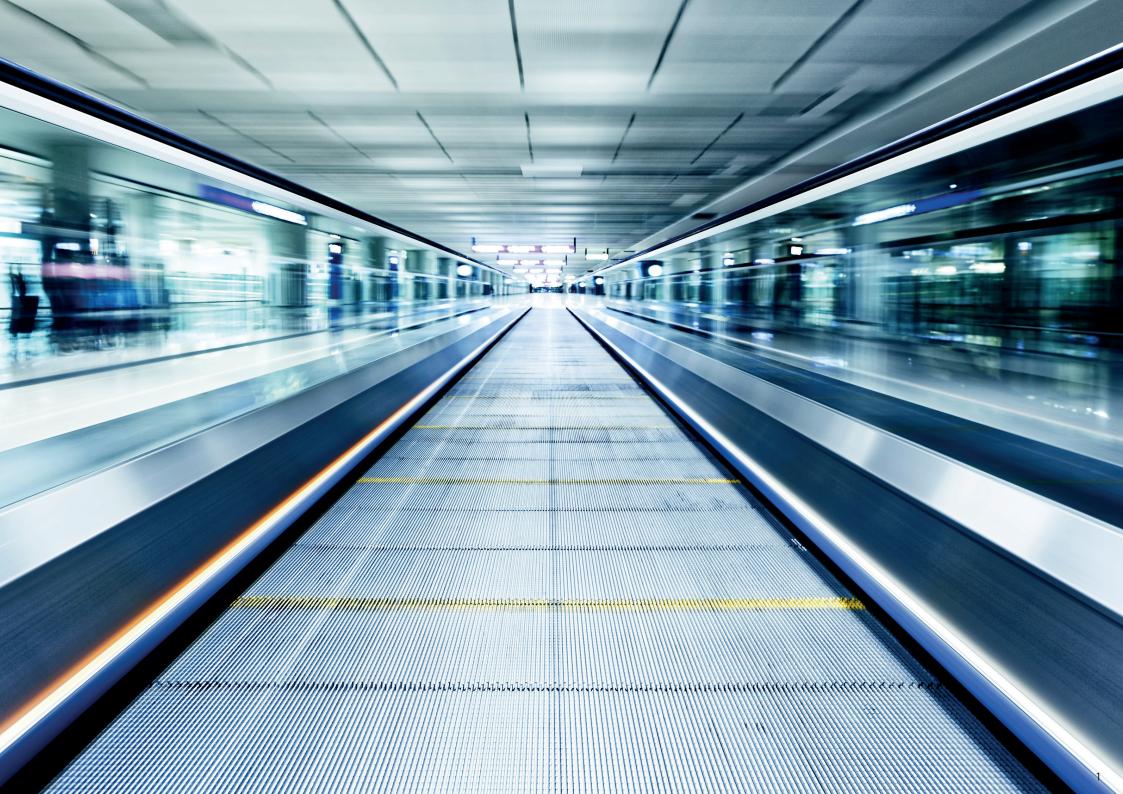


ascenseurs

Range

Escalator Moving walks







#### Superb, artistry, exquisite escalator, moving walks

Sodimas serial escalator and moving walks use the human design ideas. It integrates aesthetic, safety and environmental protection into one. It provides vast customers base with the designed outline, the reliable quality, the outstanding performance.

•The truss adopts the robotic welding technology greatly enhances the manufacturing process. It is hight quality, and it is strurdy and durable, beauty and elegance.

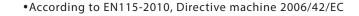
•The integral aluminium frontier plate is though and nugged, stylish and lightweight, and easy for maintenance.

•The diameter of the contact roller is ≥ 70mm. This can effectively reduce the roller pressure, and improve the step chain breaking force.

•The B-type escalator adopts the stylish and beautiful stainless handrail bracket suitable for large lifting heights.

•Outside the skirting panel, there is a tranasparent frictin-reducing coating, effectively reducing the friction loss between the step and the skirting panel.

•The wedge has a spring structure and glass bracket. By tightening the spring, users can ensure that the wedge and glass are closely laminated, which is strurdy and steady and easy to be installed.





Marked



The diameter of the contact roller increases



Reduce roller pressure



Step chain breaking force



increase greatly



Safety factor improves





### ENS800 escalator / ENA 900 moving walks

Integrated design

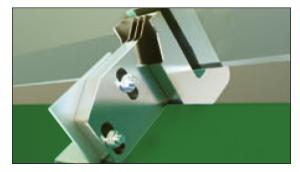


The integrated design of the upper and lower drive and the step track will avoid step moving to ensure a smooth transition to the curve track and drive, and reduce the vibration when the step is running.



Wear-resisting painted skirt panel





Wedge with sping structure and glass braket (optional)



Stainless steel handrail bracket

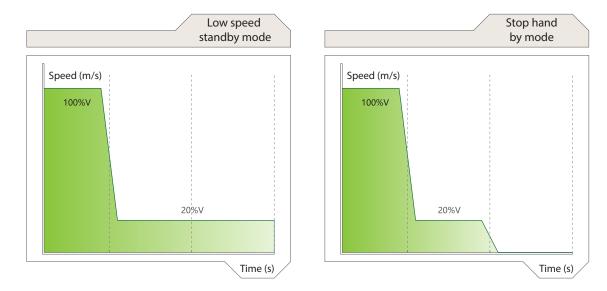


### Green technology, energy-saving

The intellectual control system drives the electric motor into ECO economic running conditions can save 30% - 70% of the energy.



#### Frequency converter, reduce electricity



When choosing the frequency converter, it can realize the escalator intermittent operation and standby effectively reduces the energy consumption.

#### LED energy-saving lighting system

All lighting equipment uses LED lighting technology. Compared with traditional bulbs, it can save up to 80% more energy, and its life is 10 times longer that of the conventional bulbs.



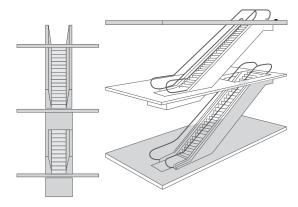




#### Arrangement planning guide

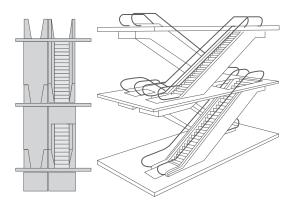
#### Diverse products, reasonable layout and technical planning.

#### Interrupted arrangement (one travel direction)



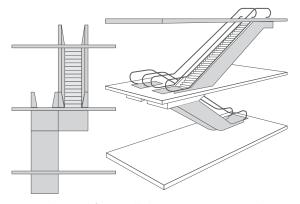
This arrangment will allow the passengers to view the shops around the escalator.

#### Continious arrangement (one traval direction)



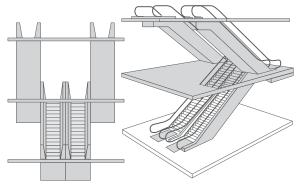
This arragement is mainly used in large department stores, public buildings and places of public transport.

# Multi-level criss-cross arrangement (continious traffic flow, two travel directions)



This arrangement is mainly used for small department stores. This intermittent arrangement requirs need more space.

# Parallel arrangement (continious traffic flow, two travel directions)



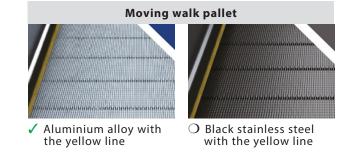
This arrangement is mainlu used for large traffic shopping malls and public transport facilities. When there are three or more escalators, it should be possible to change the direction of movement in accordance with the traffic.

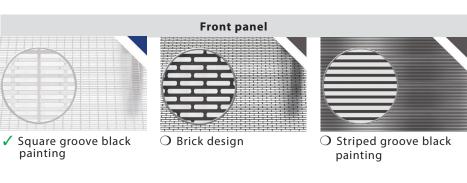
### Different types of styles, mobile landscape









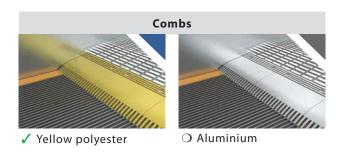












✓ Standard

O Optional



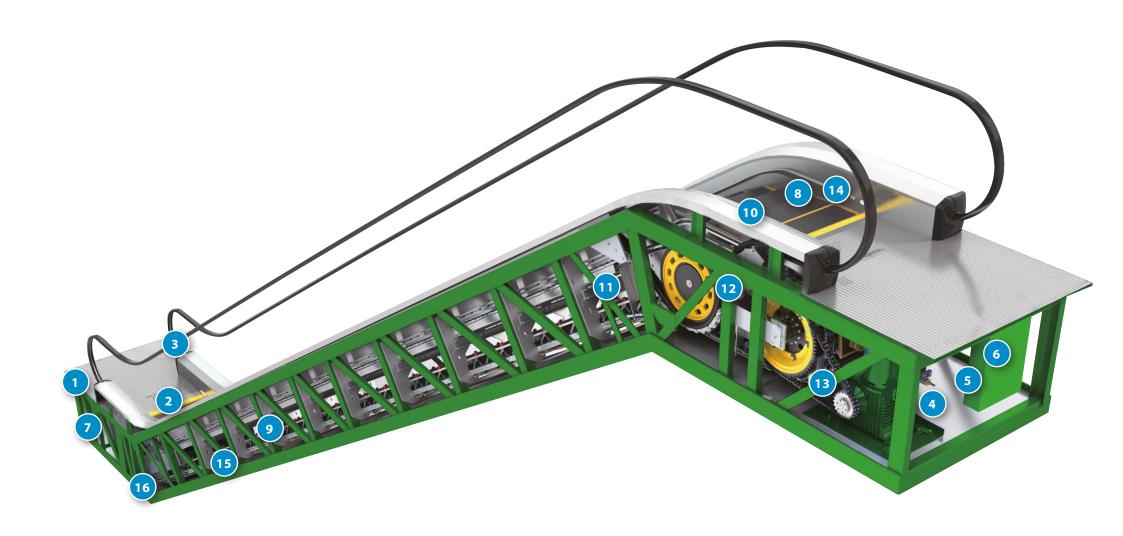
# Passenger safety

#### Multiple safety protection functions for escalator and moving walk

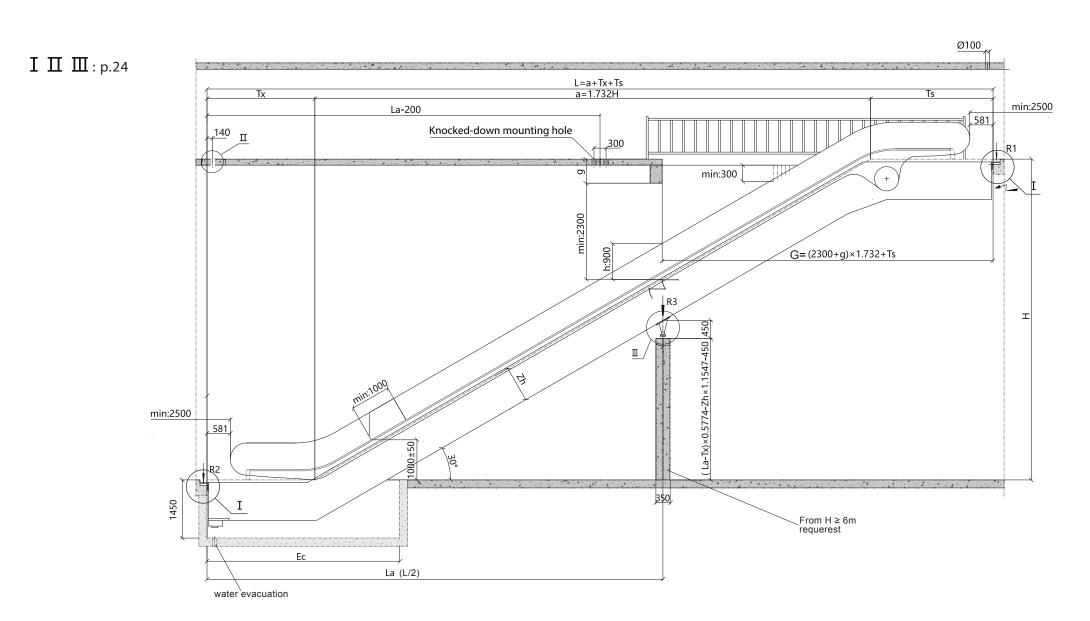
Functio	n name	Function description
1	Emergency stop button	Emergency stop device in an emergency, stop immediately if pressed.
2	Comb plate safety device	Comb plate safety device stop if objects are caught between comb plate and step treads.
3	Protective device for handrail	Handrail entry safety device stops if a hand or object is pulled into the handrail entry.
4	Phase (fault phase) protection	Phase monitoring device stops if missing phase or wrong phase occurs.
5	Over speed protection device	Over-speed detector stops if operating above normal speed.
6	Non operation reversal protection device	Non-reversing safety device stops if its direction of operation is reversed.
7	Cascade chain protection device	Step chain safety device stops if the step chain breaks or becomes loose.
8	Apron protection device	Skirting panel safety device stops if objects are caught between the step and skirting panel.
9	Step and pallet protection device	Step safety device stops if steps are operating in abnormal manner due to fractured step.
10	Step gap lighting	Step gap green light under the horizontal steps ease passengers to ride safe.
*	Additional brake device	Auxiliary brake stops if the driving chain breaks or over-speeds.
12	Safety device of brake shoe wear	Brake lining wear safety device stops if the lining of main break is worn abnormally.
13	Drive chain protection device	Driving chain safety device stops if the driving chain breaks are excessively loosed.
14*	Comb plate lighting	Comb plate light lighting on both sides of comb plate ease passengers to ride safety.
15	Handrail speed detection device	Handrail speed detector stops if handrail is below normal speed due to handrail breakage or elongation.
16	Protection device with a broken handrail	Handrail broken safety device stops if the handrail breaks or stops.

<sup>\*</sup> optional







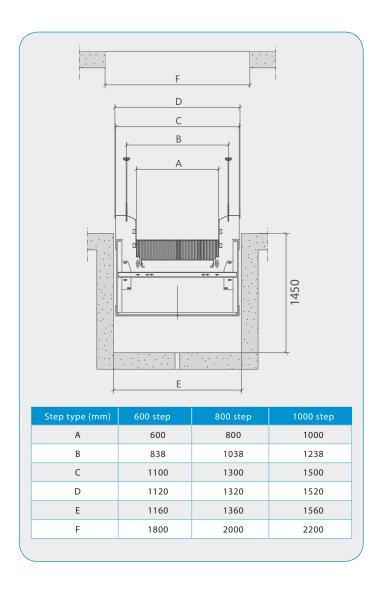




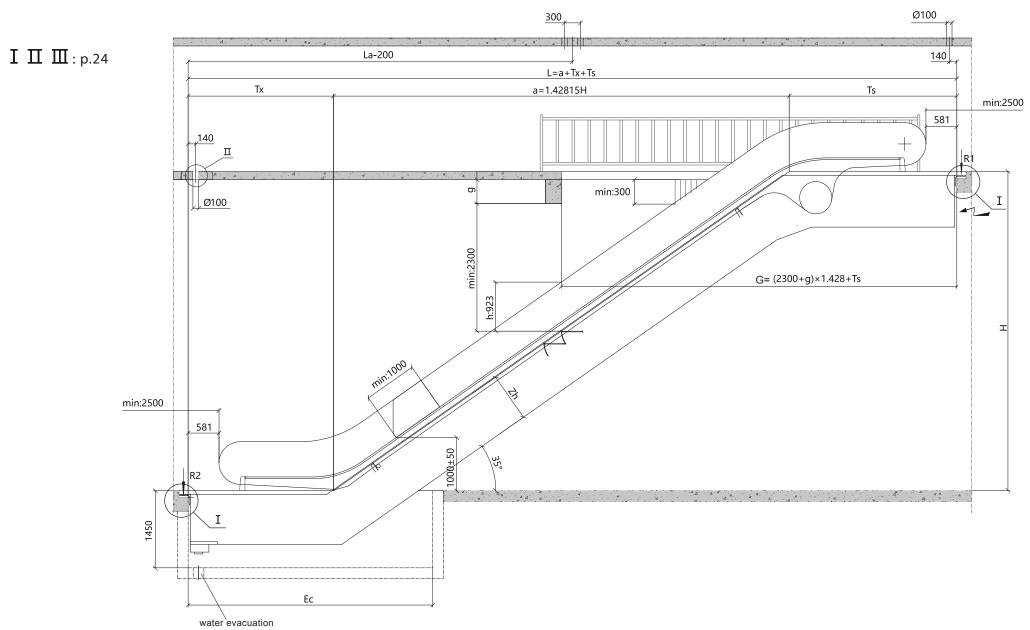
Horizontal	T	<b>S</b> - Up step lenght	<b>TX</b> - Down step lenght	<b>EC</b> - Pit lenght	
step	600 step	800 step	1000 step	(mm)	(mm)
2	2815	2565	2565	2200	4300
3	3305 3055		3055/3722	2690	5000
R1 (kN)	4,1xL2+15,5	4,1xL1+7,8	4,25xL+9,5		
R2 (kN)	4,5xL2+16,1	4,5xL1+7,8	4,5xL+10,5		
R3 (kN)	5xL2+17,5	5xL1+8,5	5,2xL+11,5		

	<b>H</b> - Rise (m)	
600 step	800 step	1000 step
H ≤ 7,1	H ≤ 4,9	H ≤ 3,7
H ≤ 9,2	H ≤ 6,6	H ≤ 5
H ≤ 11	H ≤ 9,1	H ≤ 7,3
	H ≤ 11	H ≤ 9,2
		H ≤ 11
	H ≤ 7,1 H ≤ 9,2	600 step     800 step $H \le 7,1$ $H \le 4,9$ $H \le 9,2$ $H \le 6,6$ $H \le 11$ $H \le 9,1$

Specif	ications	Rise		
Degree of inclinaison	30°	Max. (H,m)	11	
Speed	0,5 m/s			
Horizontal	2 (standard)	Min.	1,2	
steps	3 (optional)	(H,m)		





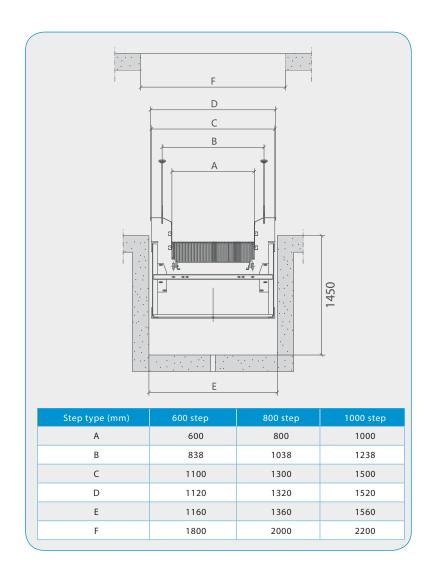




Horizontal	T:	5 - Up step lenght	<b>TX</b> - Down step len-	EC - Pit		
step	600 step	800 step	1000 step	ght (mm)	lenght (mm)	
2	2912	2662	2662	2243	4100	
3	3402	3152	3152	2733	4600	
R1 (kN)	4,1xL2+16,5	4,1xL1+8,8	4,25xL+10,5			
R2 (kN)	4,5xL2+17,1	4,5xL1+8,8	4,5xL+11,5			

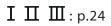
Machine		<b>H</b> - Rise (m)								
power (kw)	600 step	800 step	1000 step							
5,5	H ≤ 6	H ≤ 5	H ≤ 3,8							
7,5		H ≤ 6	H ≤ 6							

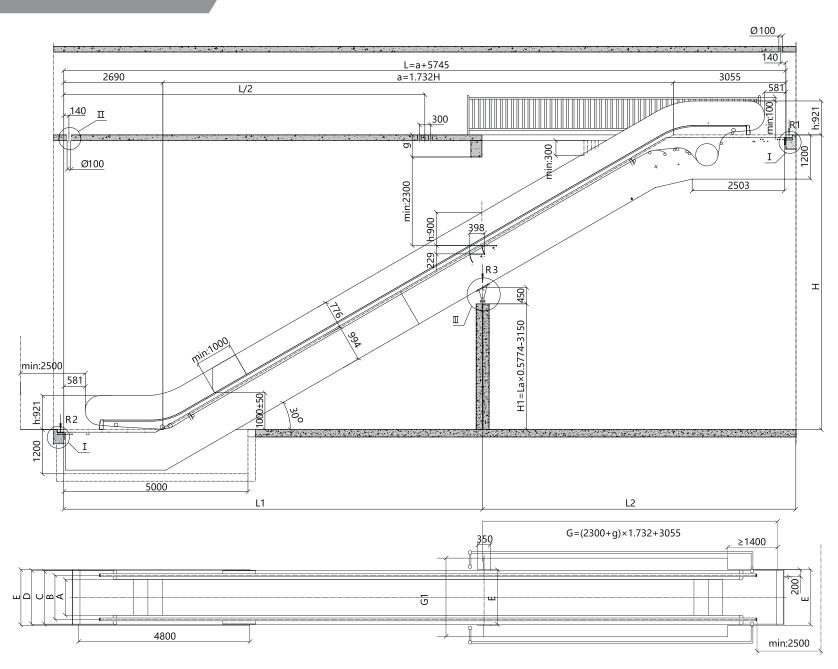
Spec	ifications	Rise				
Degree of inclinaison	35°	Max.	6			
Speed	0,5 m/s	(H,m)				
Horizontal	2 (standard)	Min. (H,m)	1,4			
steps	3 (optional)		.,.			





### **30°** ENS 803 indoor



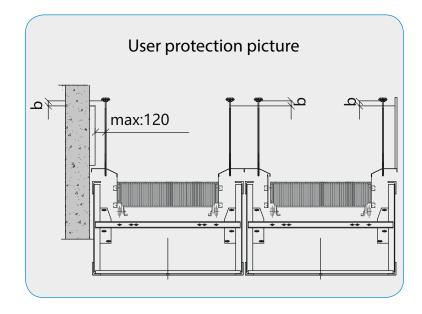




### **30°** ENS 803 indoor

Туре	Mo- tion speed (m/s)	Rise	Reaction force R1	Reaction force R2	Reaction force R3	Step width A	Balustrade spacer B	Truss width C	Decoration width D	Construction layout opening width E	Construction layout opening width G1
ENS803-30-6	0		4,1xL2+15,5	4,1xL1+7,8	4,25xL+9,5	600	838	1100	1120	1160	1800
ENS803-30-8	0 0,5	H = mm	4,5xL2+16,1	4,5xL1+7,8	4,5xL+10,5	800	1038	1300	1320	1360	2000
ENS803-30-10	00		5xL2+17,5	5xL1+8,5	5,2xL+11,5	1000	1238	1500	1520	1560	2200

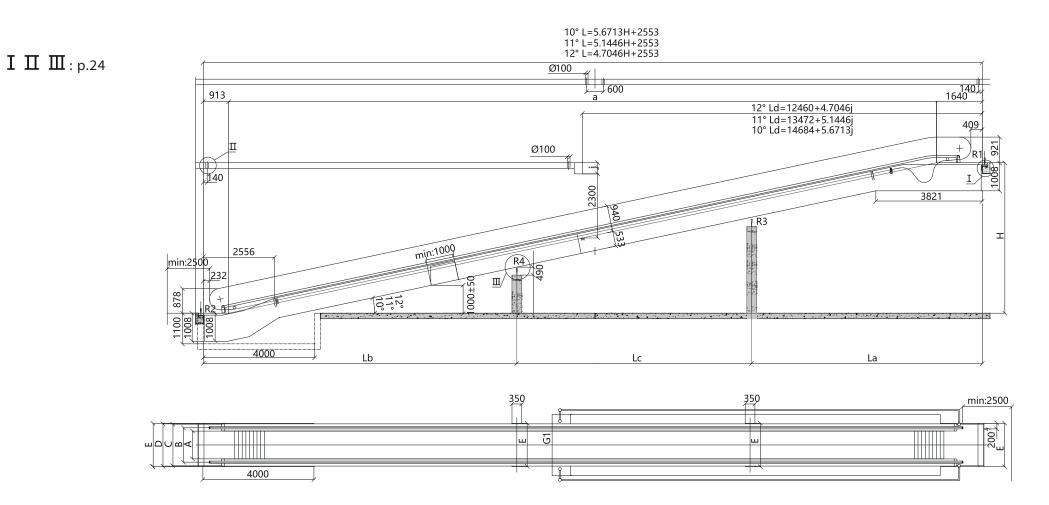
R1, R2, R3 Unit = kN



- This drawing is fit for the construction of 12 m and below single mounted escalators.
- •It chooses step width 600 mm. Upper truss shall be extended 300 mm.
- It chooses double-drive; Upper truss shall be extended 417 mm.
- Siez unit: mm. It is possible to change somme individuals sizeq. If there is any alterations, advance notice won't be given then.



#### MOVING WALKS ENA900-A ENA901-A indoor

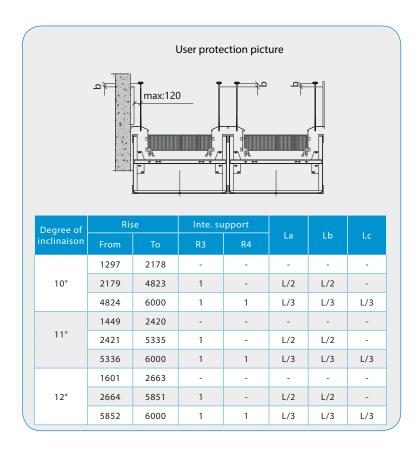




#### MOVING WALKS ENA900-A ENA901-A indoor

Motion Type* speed (m/s)				Reaction force			Reacting force parameters			Pallet widths						
	Rise	Inclinaison	R1	R2	R3	R4		М	N	А	В	С	D	Е	G1	
ENA900-A-a-800* ENA901-A-a-800*	0,5	H = mm	10°			(La+Lc)	Lb+Lc)	0,0039	9,5	4,5	800	1038	1300	1320	1360	2000
ENA900-A-a-1000* ENA901-A-a-1000*	5,2	n = mm	11° 12°	Laxq+M	Lbxq+N	x1,3xq	x1,3xq	0,0045	11	5	1000	1238	1500	1520	1560	2200

R1, R2, R3,R4 Unit = kN



- This graph is applied to the construction of the civil engineering construction of 6m and the following one.
- It chooses double-drive; Upper truss shall be extended 417 mm.
- Size unit: mm. It is possible to change somme individuals sizeq. If there is any alterations, advance notice won't be given then.

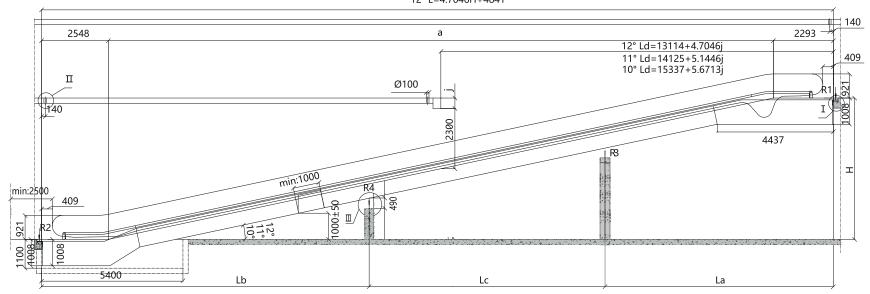
<sup>\*</sup> All indicates that the inclination angle of sidewalk is 10°, 11° and 12°.

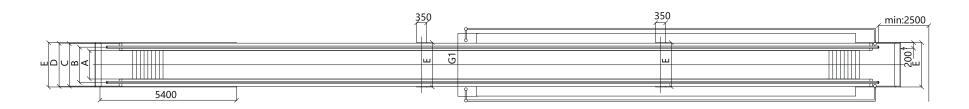


#### MOVING WALKS ENA900-B ENA901-B indoor

10° L=5.6713H+4841 11° L=5.1446H+4841 12° L=4.7046H+4841

**I** Ш: р.24



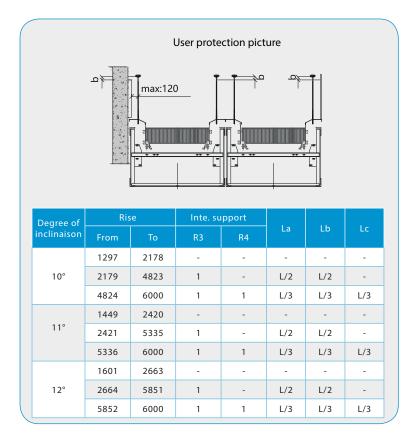




#### MOVING WALKS ENA900-B ENA901-B indoor

Type* Motion speed (m/s)				Reaction force			Reacting force parameters			Pallet widths						
	Rise	Inclinaison	R1	R2	R3	R4		М	N	А	В	С	D	Е	G1	
ENA900-B-a-800* ENA901-B-a-800*	0,5	H = mm	10°			(La+Lc)	Lb+Lc)	0,0039	9,5	4,5	800	1038	1300	1320	1360	2000
ENA900-B-a-1000* ENA901-B-a-1000*	0,5 H = m		11° 12°	Laxq+M	Lbxq+N	x1,3xq	x1,3xq	0,0045	11	5	1000	1238	1500	1520	1560	2200

R1, R2, R3,R4 Unit = kN

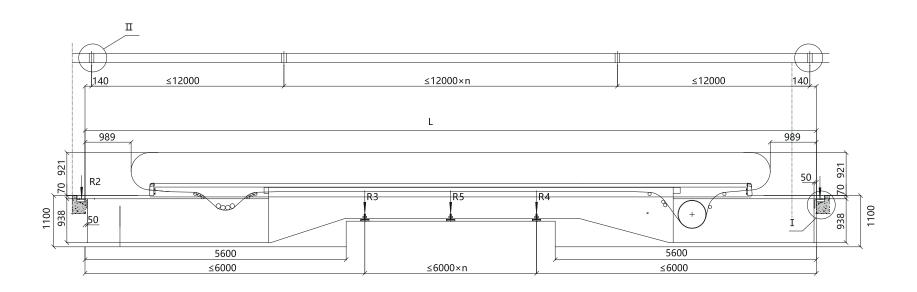


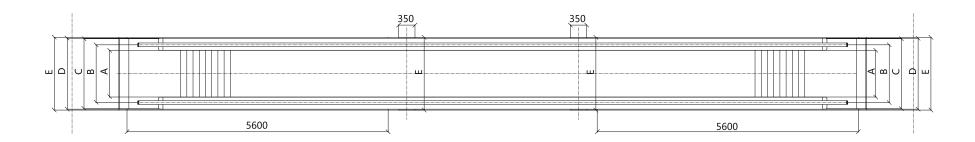
- This graph is applied to the construction of the civil engineering construction of 6 m and the following one.
- It chooses double-drive; Upper truss shall be extended 417 mm.
- Size unit: mm. It is possible to change somme individuals sizes. If there is any alterations, advance notice won't be given then.
- \* All indicates that the inclination angle of sidewalk is 10°, 11° and 12°.



### MOVING WALKS ENA900-C ENA901-C indoor

I Ш: р.24



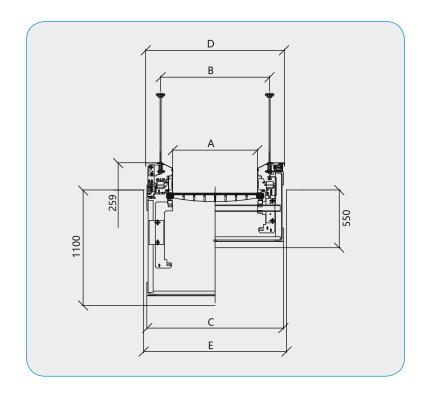




### MOVING WALKS ENA900-C ENA901-C indoor

Туре	Motion speed (m/s)	Reaction force R1	Reaction force R2	Reaction force R3	Reaction force R4	Reaction force R5	Palletswidth	Balustrade spacer	Truss width	Decoration width	Construction layout opening width
							А	В	С	D	E
ENA900-C-800		45	31	30	32	44	800	1038	1300	1320	1360
ENA900-C-1000	0,5	49	33	32	34	53	1000	1238	1500	1520	1560
ENA900-C-1400		55	38	35	38	66	1400	1638	1900	1920	1960

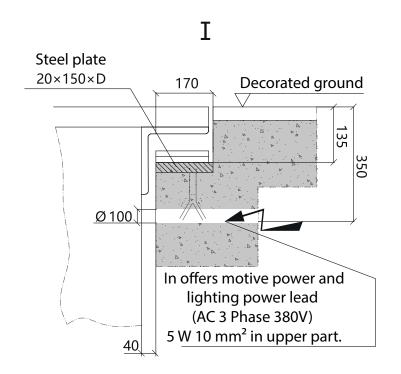
R1, R2, R3,R4 and R5 Unit = kN

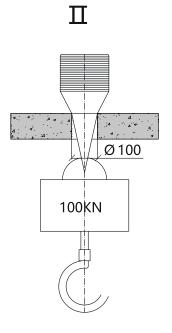


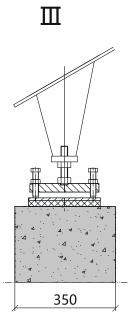
• Size unit: mm. It is possible to change somme individuals sizes. If there is any alterations, advance notice won't be given then.



#### Concrete costruction









# Technical specification

	ESCALATOR			MOVING WALKS			
Product line	ENS800	ENS801	ENS803	ENA900/901-A	ENA900/901-B	ENA900/901-C	
Working environment	Outdoor	Indoor	Indoor	Indoor	Indoor	Indoor	
Application	Commercial	Commercial	Public transport	Public / Commercial	Commercial type	Commercial type	
Rated speed (m/s)	0,5	0,5	0,5	0,5	0,5	0,5	
Degree on inclination (°)	30/35	30/35	30	10/11/12	10/11/12	0 to 6	
Step/Pallet width (mm)	600/800/1000	600/800/1000	1000	800/1000	800/1000	800/1000/1400	
Theorical transporting capacity (Per/h)	4500/6750/9000	4500/6750/9000	9000	6750/9000	6750/9000	6750/9000/12600	
Rise/Lenght (m)	11 (30°) / 6 (35°)	11 (30°) / 6 (35°)	20	-	-	-	
Horizontal lenght (m)	-	-	-	36	36	36	
Horizontal steps/Pallets	2/3	2/3	3	Upper part	Upper and lower part	Horizontal ramp	
Power supply	AC 3 phase 380 V 50 Hz						
Lighting supply	AC single phase 220V 50 Hz						



					O Optio
			ESCALATOR		MOVING WALKS
		ENS800	ENS801	ENS803	ENA900-901 A/B/0
Balustrade design	Type - I (slim)	<b>√</b>	<b>✓</b>	<b>✓</b>	<b>√</b>
	Type - P (normal) , w. Lighting	О	О	О	О
	Type - T (Inclined)	О	О	0	-
Balustrade panel	Clear tempered glass	✓	✓	1	1
	Hairline stainless steel	О	О	0	-
Balustrade height	900 mm	✓	✓	1	✓
	1000 mm	О	О	0	О
Balustrade section	Hairline stainless steel	✓	✓	1	✓
	Aluminium	O	О	-	0
Handrail	Black	✓	1	1	1
	Gray, red, yellow	O	0	0	0
Step / Pallet	Black stainless steel with yellow resin demarcation line	-	1	1	0
	Die casting aluminium with yellow resin demarcation line	✓	О	О	1
Inner & outer decking	Hairline stainless steel	<b>✓</b>	1	1	1
	Painted steel	O	0	0	0
	Aluminium	O	0	0	0
Skirt panel	Hairline stainless steel	<b>√</b>	1	1	✓
	Wear-resisting painted steel	O	0	0	0
Landing plate	Etched stainless steel with anti-slip pattern	<b>√</b>	1	1	✓
	Aluminium	O	0	0	0
Step gap lamp *		0	0	0	О
Footlights *		0	0	О	0
Front panel text *		О	О	О	О
Direction indicator *		O	0	О	О
Fault display *		0	0	0	0
Automatic operation function *		O	0	0	0
Frequency conversion control *		0	0	0	0



#### **Head quaters**

11 rue Ampère 26600 Pont de l'Isère FRANCE \$\int\_s +33(0)4 75 84 86 00 e-mail : accueil@sodimas.fr

