

Velino Classic

Commercial Escalator



Retail



Hotel



Office



ThyssenKrupp

ThyssenKrupp Elevator

Being the most customer-centric elevator and escalator solutions provider



Why you should choose Velino Classic

If you're looking for a high quality and reliable commercial escalator with quick delivery and good value, you'll find the perfect solution in Velino Classic.

1 Convenience

An escalator that gives you the most value for money doesn't have to limit your options. Our proven technology, standard design and integrated supply chain give you the best balance of flexibility and economy.

2 Confidence

Each Velino Classic is produced with advanced manufacturing techniques and rigorous quality control, ensuring reliable operation and giving you peace of mind. The precise mechanical assembly and intelligent control systems are designed to move passengers from one level to the next smoothly, stylishly and safely.

3 Safety

We have incorporated a full set of safety features and sensors which meet international escalator codes, so you can be certain that passenger safety won't be compromised.



Convenience

We've made it easy for you to choose



Proven technology

Founded on the successful technology platform that underpins all our advanced escalator solutions, the Velino Classic makes it easy for you to choose an escalator that enhances the quality and reliability of your buildings.



Popular design choices

We have included the most popular features into Velino Classic to offer you a variety of designs which integrate into any architectural setting ... a true case of form meeting function.



Short lead time

Our integrated supply chain and automated manufacturing process mean the delivery lead-time for Velino Classic is kept to a minimum. So even last-minute design changes can be easily accommodated with minimal impact on your budget or schedule.



Convenience

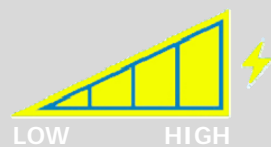
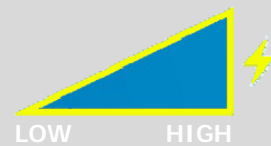
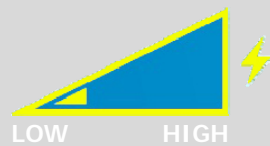
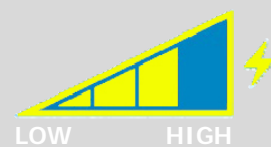
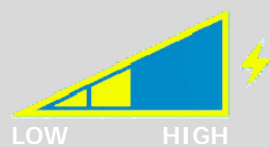
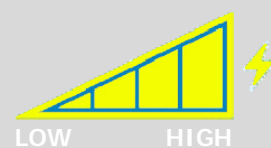
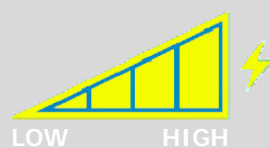

Effortlessly green solutions

Velino Classic comes with a variety of low-energy features for you to choose from:

LED lighting uses up to 90% less energy compared with conventional lighting and lasts up to 4 times longer.

Safety circuit operates on low voltage (24V) and reduces power consumption.

- Different operation options to reduce power consumption and wear and tear of the equipment.

Traffic Applications	Regular heavy Passenger traffic	Long periods with No passenger traffic (remote location)	Intermittent Passenger traffic
		e.g. escalator located in hotel leading to function rooms	e.g. escalator located at the main lobby of an office building or the higher floor of a shopping mall
Most suitable Operation mode	Continuous operation	Stop and Go operation (with star/delta)	Dual speed operation by inverter (crawling speed when empty, and full speed when passenger approaches)
Empty			
Low traffic			
High traffic			
 Power Consumption			

Confidence

A solution you can trust

Built to last

Restricted tolerances on site require a product that is tailored to your design. By using lasers to align our key elements during the construction of the truss, we ensure every escalator is a perfect fit.

The environment in which any equipment operates has an impact on its performance and reliability. If you aren't properly prepared, this can lead to poor ride comfort and increased down-time. Every escalator truss from ThyssenKrupp is descaled before welding and a double-layered of anti-corrosion paint provides lasting protection against rust.

In addition, by using open profiles in the truss design, we can inspect every surface and ensure the protection meets our rigorous quality standards.



Laser guided assembly

Reliability

Vibration and excessive flexing of the truss reduce passenger comfort. By including stiffer elements in the construction of our trusses and isolation pads, we ensure that users experience your building in the way it was designed to be.

The bottom plate of our truss is continuously welded to create an oil-tight design. This protects the appearance of your building by preventing unsightly oil stains on the escalator's decorative cladding.

The controller is the brains behind the safe and reliable operation of any escalator, which you don't want to leave to chance. That's why we design, build and rigorously test all our controllers in-house. As a result, you benefit from the best safety and reliability, founded on our decades of specialist knowledge and experience.

Ride comfort

Developing a high quality system needs more than just top grade components. They need to be assembled with care and precision to achieve a smooth ride with minimal noise. Our escalator factory is equipped with laser jigs from Germany, which we use to align step tracks perfectly. The result is a smooth and quiet ride for passengers.



Controller assembly with functional testing

Safety

Our Top Priority

International Standards

The safety of your passengers is very dear to us. But you don't have to take our word for it. Our escalators comply with the latest EN115 and GB16899 codes, giving you the confidence that the solution you're getting from ThyssenKrupp is built and installed to the highest safety standards.

Safety Features

The Velino Classic comes with numerous safety features as standard as well as a wide range of additional options. A few of the key standard features are highlighted below but, for a full list of our safety features, please refer to the table on the next page.

Non-slip comb and floor plates:

To prevent injuries due to tripping and falling, the comb and floor plates are available in anti-slip patterns of ribbed aluminium and etched stainless steel. In addition, the comb safety switch instantly stops the escalator in case of any items becoming wedged between the step and comb plate.

Drive chain monitor and step chain tension switch:

Eliminating jerky movement of the drive chain and step chains helps prevent passengers from falling. To minimize injuries in the unlikely event that either the drive chain or step chains breaks, our drive and step chain monitors will stop the escalator straightaway.

Step sag and missing step monitors:

While it is rare for steps to sag or break, our step sag and missing step monitors make sure that the escalator stops if either case is detected.

Handrail inlet protection:

Our unique two-flap design prevents finger pinching between handrail and the side of the inlet. Its larger opening makes pinching less likely and, at the same time, makes extraction easier.

Skirt deflector:

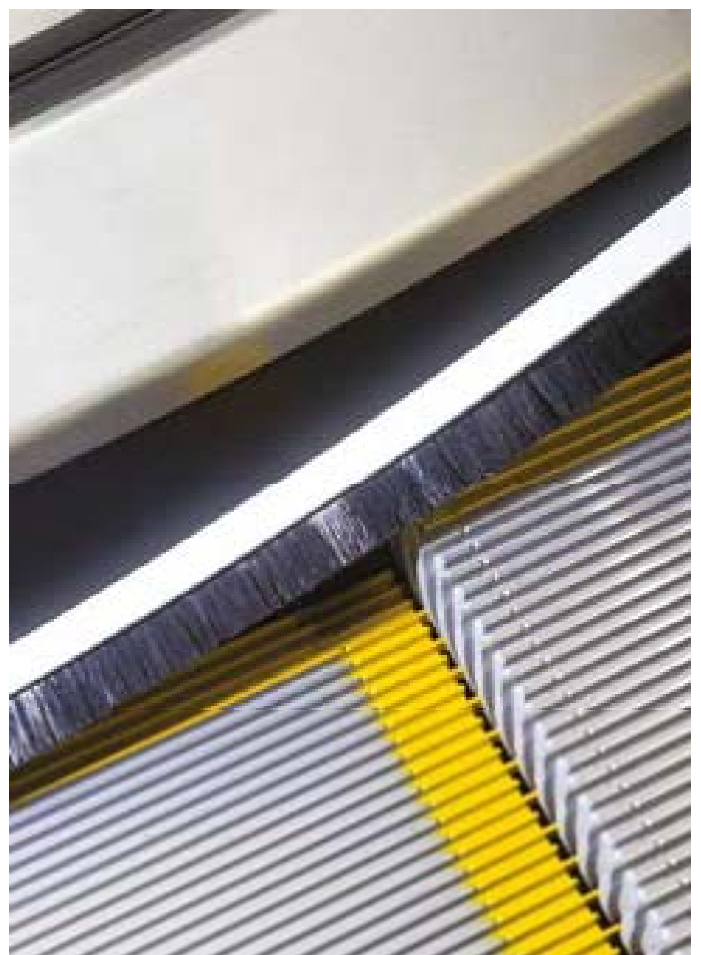
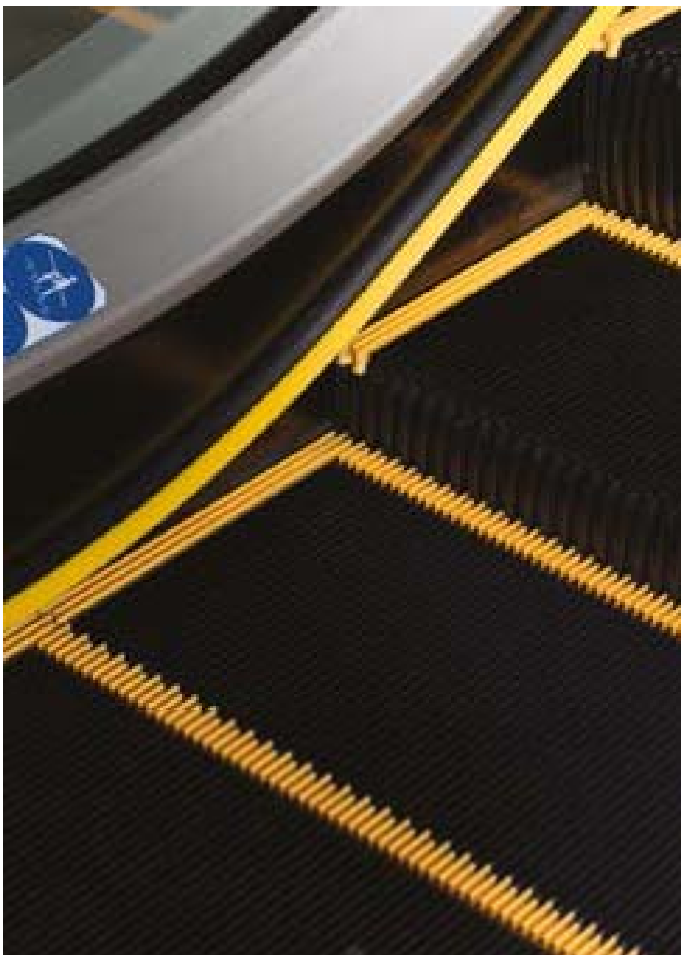
A safety strip in yellow rubber makes passenger aware of the potential danger of wedging between the steps and skirting and, at the same time, it helps to prevent wedging by keeping shoes away from the skirting.



Drive Chain Monitor
Skirt Deflector (standard)



Non-Slip comb and Floor Plates
Skirt Brush (Option)



Safety Devices

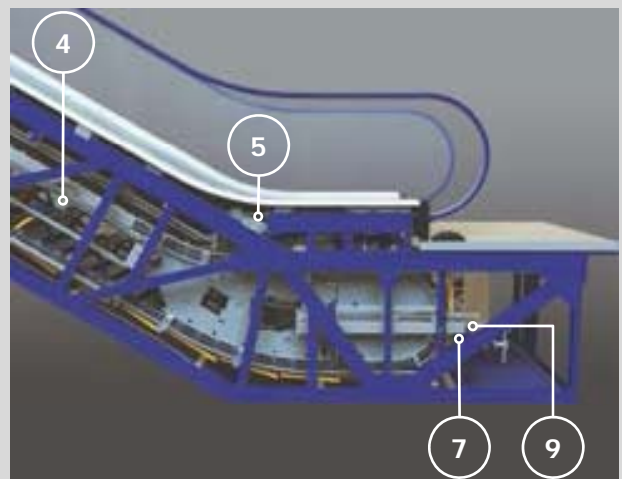
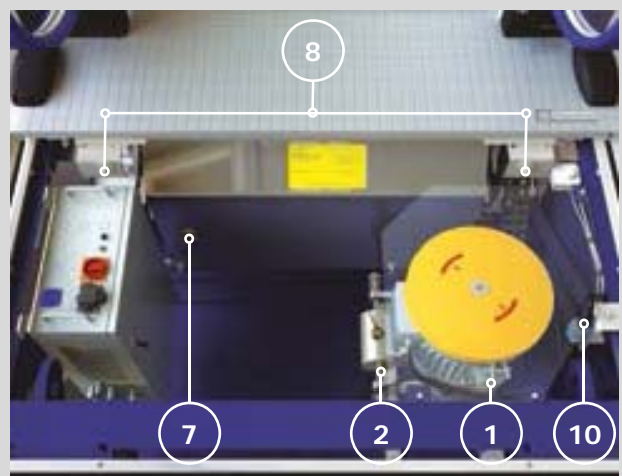
At a Glance

Item No. Part Name

- 1 Speed Monitor
- 2 Brake function Monitor
- Brake wear Monitor
- 3 Handrail inlet protection Device
- 4 Combined step sag & broken step Monitor
- 5 Handrail speed Monitor

Item No. Part Name

- 6 Emergency Stop
- 7 Missing step Monitor
- 8 Comb plate safety Device
- 9 Step chain tension Switch
- 10 Open floor plate safety contacts



Safety Function List

	Standard	Optional
General		
Continuous Operation		
Operational Brake		
Overload and overheat protection		
Passenger emergency stop button - Top & Bottom		
Phase protection		
Brake ware monitor		
Dual speed operation by inverter		
Ground fault protection		
Stop and go operation		
Operation and Maintenance		
Emergency stop switch in the pit - Bottom only		
Handheld device for maintenance operation		
Key Switch – Top		
Open floor plate safety contacts		
Auto Lubrication		
Emergency stop Switch in the pit-top and bottom		
Key Switch – Top and Bottom		
Monitoring System – 4 Potential free contacts		
Multi-language fault indicator		
Fall & Trip Protection		
Anti-Reverse Device		
Brake function Monitor		
Combined step sag and Broken step Monitor		
Drive Chain Monitor		
Handrail Speed Monitor		
Missing Step Monitor		
Speed Monitor		
Step Chain Tension Switch		
Comb Plate Lighting		
Pre-Start Alarm / Buzzer		
Step Gap Lighting		
Step upthrust Device		
Passenger Comfort		
Anti-static handrail protection		
Anti-static step brush		
Radar sensor for approaching passenger *		
Traffic direction indicator **		
Pinch Protection		
Comb plate safety device		
Handrail inlet protection device		
Broken handrail monitor		
Skirt safety device		

* Must be used when either stop and go or dual speed operation is selected

** Must be used when stop and go operation is selected

Developing the future with you

Providing you with end to end solutions - from the first enquiry to the end of a building's life ...

Our team makes it simple to keep people moving, every step of the way.

Sales Engineers

At your service from the moment you call, they will work to understand your needs, then recommend the best solution for you down to the last technical detail.

Project Managers

Your dedicated project manager will be your day to day point of contact responsible for making sure everything's done on time and to budget to keep you fully satisfied.

Installation Technicians

Punctual and thorough in their approach, our installation technicians get the job done quickly, correctly and professionally.

Customer Care Coordinators

Whether you need to tell us about an equipment malfunction or you have a question about reducing power consumption, help is just a call away.

Maintenance Engineers

Asia's most helpful service experts are always on hand to keep your portfolio of equipment moving.



Sales Engineers



Project Managers



Installation Technicians



Customer Care Coordinators



Maintenance Engineers



Planning + Design



New Construction



Service



Modernization & Renew

Velino Classic

Commercial Escalator



Retail



Hotel



Office



Data Sheet



ThyssenKrupp

Specifications & Architectural Planning Data (30°)

Elevation

2490+2210+ (Hx1.732)

2490

Hoisting point

150

Min. 2300

200

450

580 (BH=1000)
620 (BH=920)

2210

Min. 1150

1000 (BH=1000)
920 (BH=920)

9.40

R1

R2

Min. (4300)

* BH: Balustrade height

Plan View

Min. 30

Min. 30

1070

D

F

The technical drawings illustrate the installation of a drainage system. The leftmost drawing is a cross-section showing a drainage channel with a width of 200 and a height of 145, installed in a concrete base. The middle drawing is a cross-section showing the channel's connection to a wall, with a minimum clearance of 30 on both sides and a distance of D between the channel and the wall. The rightmost drawing is a plan view showing the channel's length (TL) and height (THO).

Step Width		800mm						1000mm							
Vertical rise (mm)		3000	3500	4000	4500	5000	5500	6000	3000	3500	4000	4500	5000	5500	6000
Dead Weight (kg)		5607	5887	6150	6430	6693	7067	7336	5895	6208	6499	6811	7103	7508	7806
Support Load (kN)	R1	51	54	57	60	63	37	70	58	61	65	69	72	77	80
	R2	43	46	49	52	55	58	61	49	53	56	60	64	68	71
Transport length TL (mm)		10820	11820	12810	13800	14800	15790	16790	10820	11820	12810	13800	14800	15790	16790
Transport height TH0 (mm)		2760	2790	2810	2830	2840	2860	2870	2760	2790	2810	2830	2840	2860	2870
Motor Rating (kW)		7.5						9.0	7.5				9.0		10.5
Escalator width (D)		1340						1540							
Opening width (F)		Min. 1400						Min. 1600							

Specifications & Architectural Planning Data (35°)

Technical drawing of a ramp with stairs and handrails. The drawing includes the following dimensions and labels:

- Overall Dimensions:**
 - Min. 1150 (vertical dimension on the left)
 - Min. 2300 (vertical dimension on the right)
 - Min. (4000) (horizontal dimension at the bottom)
- Handrail and Stair Details:**
 - Handrail height: 1000 (BH=1000) and 920 (BH=920)
 - Stair width: 2210
 - Stair rise: 1940
 - Stair depth: 940
- Other Labels:**
 - Hoisting point (two locations)
 - 2490 (horizontal dimension)
 - 200 (vertical dimension)
 - 450 (horizontal dimension)
 - 580 (BH=1000) and 620 (BH=920) (horizontal dimension)
 - R1 and R2 (curvature labels)
 - 2490+2210+ (Hx1.428) (top horizontal dimension)

Top view diagram of the assembly. The total length is 1070 mm. The diagram shows two main sections with internal structures. Dimensions D and F are indicated for the rightmost section. Minimum clearances of 30 mm are specified at the left end and between the internal components.

Step Width		800mm						1000mm									
Vertical rise (mm)		3000	3500	4000	4500	5000	5500	6000	3000	3500	4000	4500	5000	5500	6000		
Dead Weight (kg)		5309	5542	5774	6023	6256	6574	6811	5569	5827	6084	6362	6619	6962	7224		
Support Load (kN)	R1	48	50	53	56	58	61	64	54	57	60	63	66	70	73		
	R2	39	42	44	47	50	52	55	45	48	51	54	57	61	64		
Transport length TL (mm)		9980	10840	11700	12560	13420	14290	15150	9980	10840	11700	12560	13420	14290	15150		
Transport height TH0 (mm)		2820	2850	2870	2890	2910	2920	2930	2820	2850	2870	2890	2910	2920	2930		
Motor Rating (kW)		7.5						9.0	7.5						9.0		10.5
Escalator width (D)		1340						1540									
Opening width (F)		Min. 1400						Min. 1600									

Velino Classic

Design Options

Velino Classic Floor Plates



Standard
Stainless Steel Structure



Option
Aluminium Plain Ribbed



Option
Aluminium Black Ribbed

Velino Classic Skirt



Standard
Steel with Black Painting



Option
Brushed Stainless Steel



Option
Brushed Stainless Steel
with anti-friction coating

Velino Classic Decking



Standard
Aluminium



Option
Brushed Stainless Steel

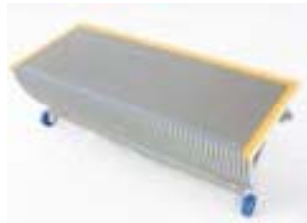
Velino Classic

Design Options

Velino Classic Step



Steel Composite Step in Black with Yellow Demarcation (GB Code Only)



Steel Composite Step in Silver with Yellow Demarcation (GB Code Only)



Aluminium Step in Black with or without Yellow Demarcation (GB/EN Code)



Aluminium Step in Silver with or without Yellow Demarcation (GB/EN Code)

Velino Handrail



Standard
Black



Option
Blue



Option
Red



Option
Brown

Velino Classic Lighting Options



Comb Lighting



Traffic Direction Indicator



Under Handrail Lighting



Step Gap Lighting

More Color Options available; Colors and specifications shown in this brochure are for illustrative purposes only. The colors and specifications may vary from the time of print.