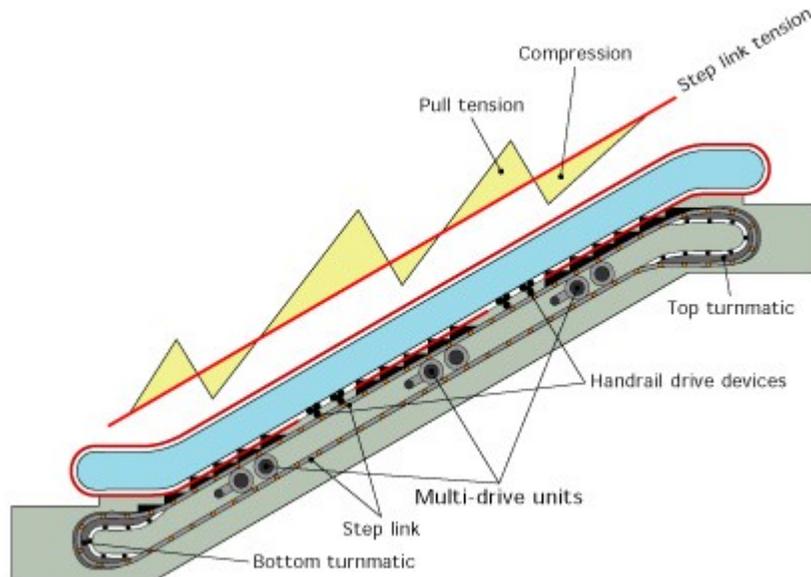


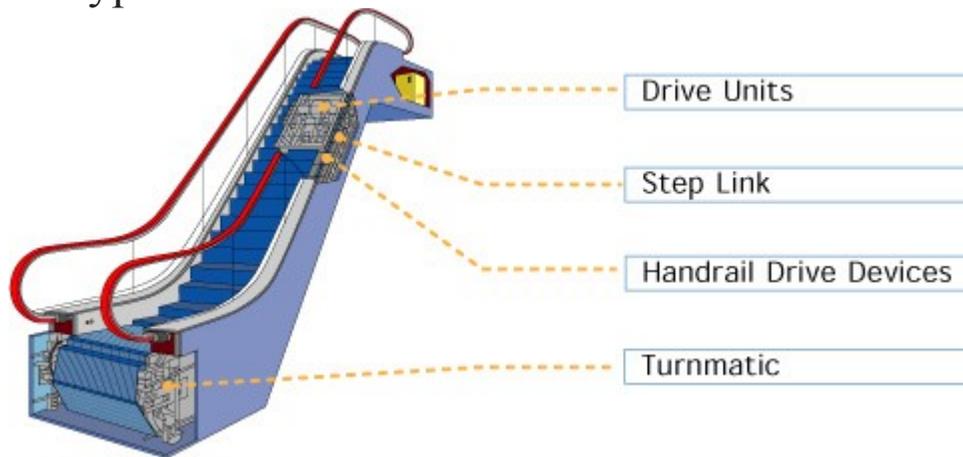
Series A Modular Escalators for Public Use

Our Advanced Technology and Integrated Strengths Deliver High Reliability

The A-Type Escalator is a **Multi-Drive Type**, and features several drive units under the steps inside the truss. The drive units drive the escalator by engaging the teeth of the step links (instead of a step chain). With this method, since the step and passenger loads are distributed, there is no need to enlarge the drive unit even as the rise heightens. Moreover, there is little operation loss or component wear, so life, efficiency and maintenance performance are all greatly improved. The A-Type is suitable for buildings with **heavy loads requiring speed of over 30m/min. up to 45m/min., or 30m/min. and rises over 6.5m up to 60m.** Actual performance results in public-transportation applications are excellent.

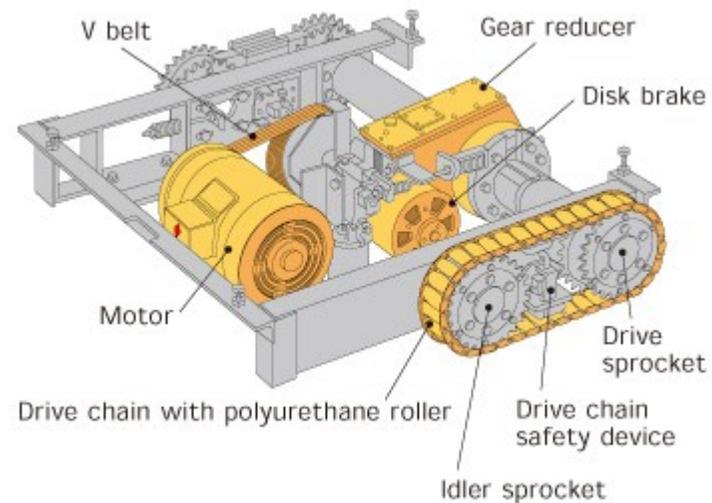


A-Type Escalator Characteristics



Drive Units

- The motor's rotation is transmitted to the gear reducer via the V belt, and engages the drive sprocket to move the drive chain. The polyurethane roller within the drive chain engages the step links' rack teeth to move the steps.
- The helical gear reducer offers high efficiency as well as reduced noise, vibration and wear.
- Equipped with temperature-detection sensors, the brakes are long-life, maintenance-free disk



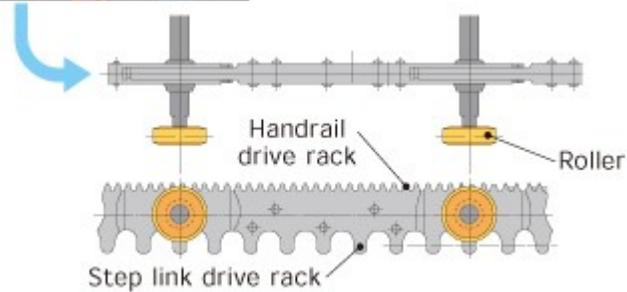
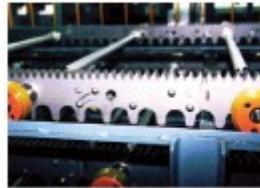
brakes.

[Return](#)

Step Link

- The layer-structure step link has rack teeth to suit the drive chain's polyurethane roller below and small rack teeth to suit the handrail drive's polyurethane gear above.
- The step link is capable of withstanding compression.

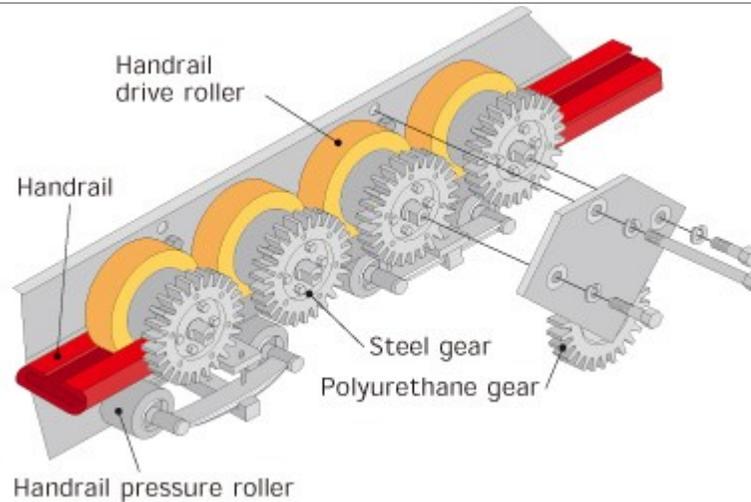
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Handrail Drive Devices

- The number of handrail drive devices is arrayed as required. The linear drive method is adopted, with drive rollers above and pressure rollers below delivering handrail power.
- Polyurethane gears engage the step links' rack teeth and reduce noise.

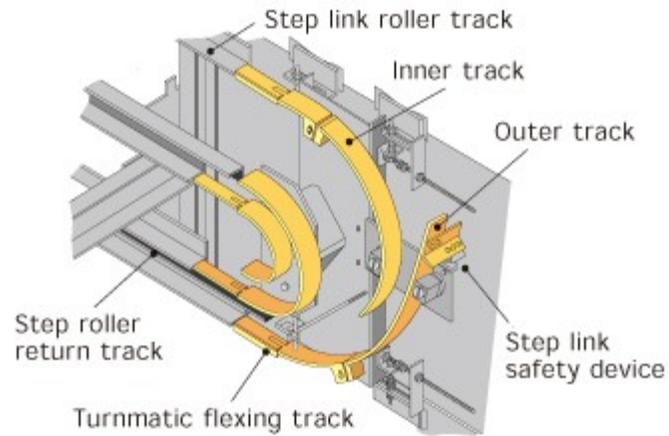
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Turnmatic

- The free-turn method reduces vibration and noise, so the step link roller turns over smoothly.

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Series A Modular Escalators for Public Use

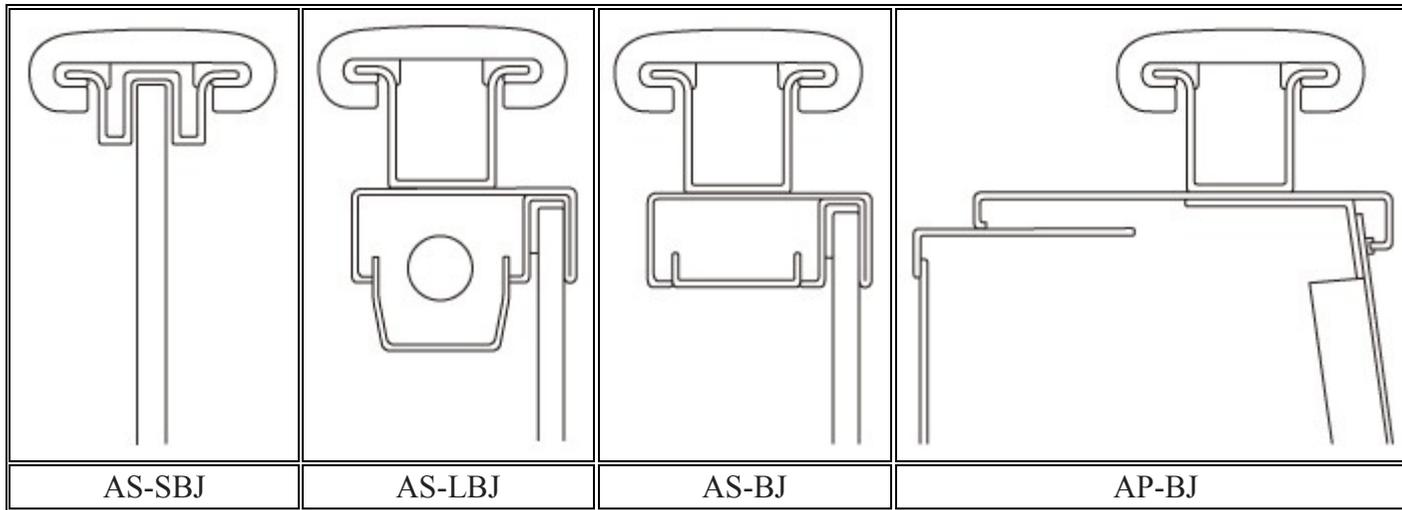
Specifications

Standard Specifications

Type	AS-SBJ		AS-LBJ/BJ				AP-BJ			
	800*	1200	800*	1200			800*	1200		
Width of escalator (mm)	1150	1550	1150	1550			1150	1550		
Width between handrails (mm)	JS-SB	1208	880	1280			860	1260		
	JS-LB/B									
	JP-B									
Width between skirt panels (mm)	610	1010	610	1010			610	1010		
Carrying capacity (persons/hour)	4500	9000	4500	9000	11700	13500	4500	9000	11700	13500
Speed (m/min)	30		30	30	39	45	30	30	39	45
Inclination angle	30°									
Maximum rise (mm)	8990		16000				20000			
Standard regulation	EN 115									
Use	Public use (High-speed, high-rise)									

*Not applicable to public use.

Type of Balustrade



Standard Safety Features

Operation Features (Option)

Features	
Automatic operation (Post type)	
Automatic operation with VVVF control (Post less type)	*
Faults finder	*
Remote monitoring system	*

Features
Key operated start switches with buzzer
Emergency stop buttons
Speed governor (Escalator-speed governor)
Broken step-link device (Step-link safety device)
Electrical release brake
Broken drive-chain device (Drive-chain safety device)
Reversal stop device (Escalator-speed governor)
Step level device
Handrail entry device (Inlet guards)
Comb-step impact device
Anti-slip floorplate
Yellow demarcation comb and cleats
Overload protection
Low-coefficient resin on skirt guard

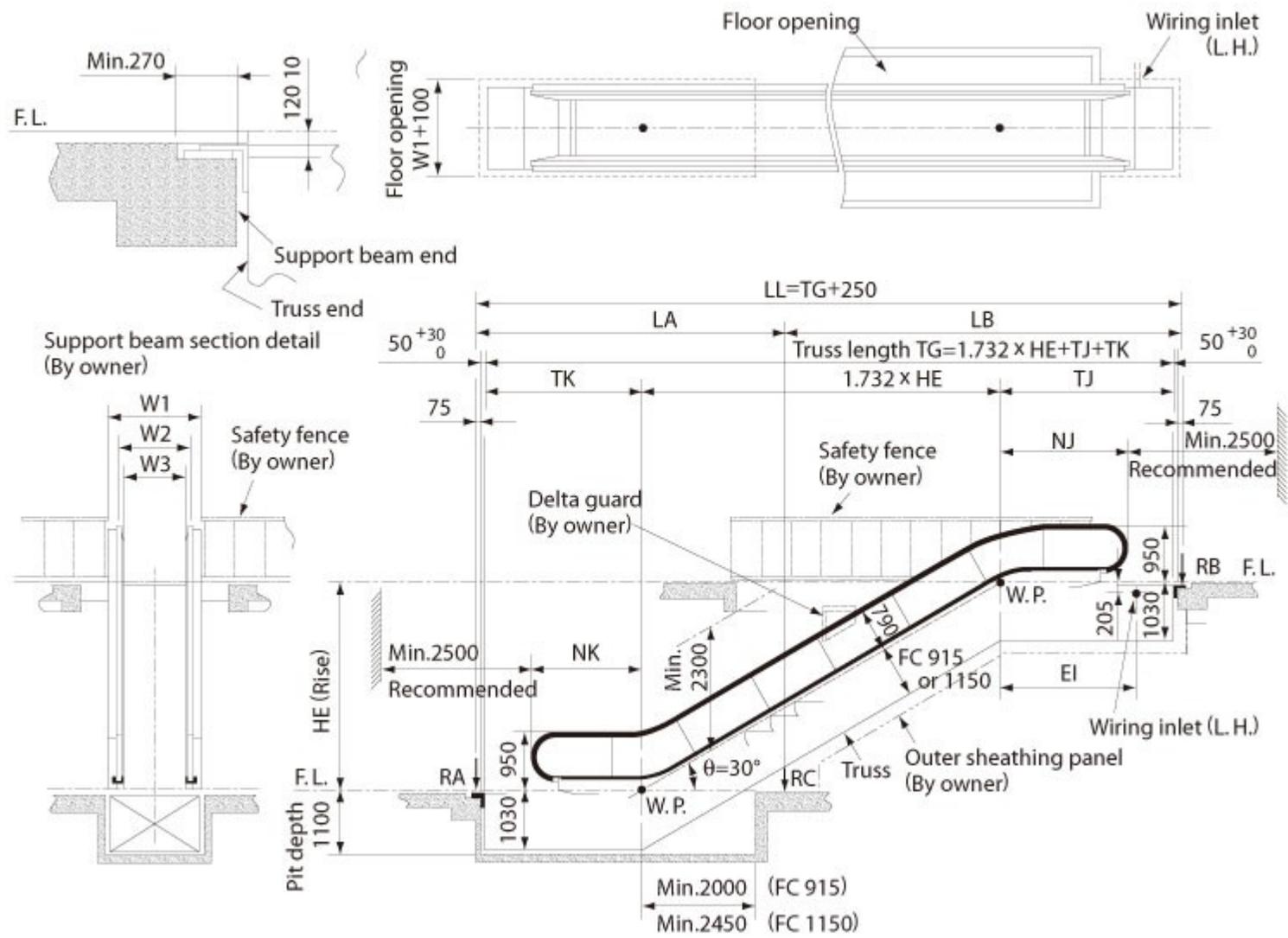
* Please consult our local subcontractor for the production term, etc.

Finishes

Type			AS-SBJ	AS-LBJ/BJ	AP-BJ
Balustrade	Interior panel	Standard	Vertical, flat, rectangular tempered-glass panels		Hairline-finished stainless steel panels
		Optional	Vertical, flat, parallelogram tempered-glass panels		—
	Deckboard		Hairline-finished stainless steel plate		
	Skirt guard		Black resin coating with a low friction coefficient		
	Illumination	Standard	None	Under handrail	None
		Optional	Step demarcation light		
Step	Tread board		Diecast-aluminum alloy with black painted grooves		
	Cleated riser		Diecast-aluminum alloy painted black		
	Demarcation comb and cleat		Yellow molded resin		
Floorplate	Comb		Molded resin		
	Comb plate, landing plate, manhole cover		Stainless steel plate with anti-slip pattern		

Series A Modular Escalators for Public Use

Standard Installations



Note:

1. Intermediate support beams are necessary in the following cases:

TG is more than 12400mm for Type 1200 FC915 (LA/LB is 10500mm or less.)

TG is more than 14000mm for Type 1200 FC1150 (LA/LB is 12200mm or less.)

TG is more than 13100mm for Type 800 FC915 (LA/LB is 11200mm or less.)

TG is more than 14700mm for Type 800 FC1150 (LA/LB is 12900mm or less.)

2. Please consult our local subcontractor about reaction force data for RA, RB, RC, etc.

Dimensions (mm)

Type			800			1200							
			AS-SBJ	AS-LBJ AS-BJ	AP-BJ	AS-SBJ	AS-LBJ AS-BJ		AP-BJ				
Speed (m/min)			30			30	30	39	45	30	39	45	
Applicable rise	HE		6501~ 8990	6501~ 16000	6501~ 20000	6501~ 8990	6501~ 16000	3000~ 16000		6501~ 20000	3000~ 20000		
Width of escalator	W1		1150			1550							
Width between moving handrails	W2		808	880	860	1208	1280		1260				
Width between skirt panels	W3		610			1010							
Length of newel and truss, and other dimensions	NJ		2250		2205	2250		2915	2205	2870			
	NK		1930		1885	1930		2485	1885	2440			
	TJ	General use	$6501 \leq HE \leq 8990$	2990	2990		2990	2990	—	—	2990	—	—
			$8991 \leq HE \leq 13500$	—	—		—	—	—	—	—	—	—
			$13501 \leq HE \leq 16000$	—	3540		—	3540	—	—	3540	—	—
			$16001 \leq HE \leq 20000$	—	—	3540	—	—	—	—		—	—
		Public use	$3000 \leq HE \leq 6500$	—	—	—	—	—	2990	3655	—	2990	3655
			$6501 \leq HE \leq 8990$	—	—	—	2990	2990	3655		2990		
			$8991 \leq HE \leq 12240$	—	—	—	—			3540	4205	3540	
			$12241 \leq HE \leq 16000$	—	—	—	—	—	—			—	—
			—	—	—	—	—	—	—	—	—		
			—	—	—	—	—	—	—	—	—		
TK		2670			2670		3225	2670	3225				
EI		2350			2350		3015	2350	3015				

1. Type AS-SBJ escalator is suitable only for indoor and semi-outdoor use.
2. Type AS-LBJ escalator is suitable only for indoor use.
3. Type AS-BJ escalator can be provided for outdoor or semi-outdoor use, only if the rise is 8990mm or less.

4. Type 800 is suitable only for general use.
 Type 1200 speed 30m/min is suitable for general and public use.
 Type 1200 speed 39m/min and 45m/min are suitable only for public use (when the rise is 3000mm or more).
5. With an auto-transformer, the TJ needs to be extended 550mm. TJ may also need to be extended when power supply is nominal 200V, so please consult our local subcontractor.

Product Line-Up

Choose from our extensive line-up of superior elevators, escalators, unique spiral escalators, moving walks and others, through the categories listed below in the table. For details on designs and specifications, please check out the Design Room directory.

***The product may not be available for sale in some countries.**

Product	Category	Series No.
Elevators	High Rise Building	<u>"NexWay" High Speed Passenger Elevators</u> <For office, hotel, commercial bldg., etc.>
	High Rise Building	<u>Series GPM-III Passenger Elevators</u> <For office, hotel, commercial bldg., etc.>
	Medium Rise Building	<u>"NexWay-S series-IP/AP" Passenger Elevators</u> (PM gearless traction machine) <For office, hotel, commercial bldg., residential bldg., etc.>
	Medium Rise Building	<u>"NexWay-S series-AW" Passenger Elevators</u> (Worm geared traction machine) <For office, hotel, commercial bldg., residential bldg., etc.>
	Medium Rise Building	<u>Series GPS-III Passenger Elevators</u> <For office, hotel, commercial, residential bldg., etc.>
	Modernization Model	<u>Series GPS-IIIIMZ Passenger Elevator Modernization</u> <For office, hotel, commercial, residential bldg., etc.>

	Hospital Building	<u>Series GPS-BIII Hospital Bed Elevators</u> <Applicable to Japan code>
	Observation Model	<u>Observation Elevators</u> <For hotel, commercial, office bldg., etc.>
	Compact Model	<u>Series GPX Standard Passenger Elevators</u> <For small office, commercial, residential bldg., etc.>
	Machine-Room-Less Model	<u>"ELENESA" Machine-room-less Elevators</u>
	Private Residence	<u>Home Elevators</u> <Applicable to Japan code>
	Hydraulic Model	<u>Hydraulic Passenger Elevators</u> <For general bldg.>
	Freight/Goods Use	<u>Series GFM-T Freight Elevators</u> <Basic code: Japan code(JIS)>
Escalators		<u>Series J Escalators</u> <For office, hotel, commercial bldg., station, subway, etc.> <u>Series A Modular Escalators</u> (for Public Use) <For high rise use in station, subway, etc.>
Spiral Escalators		<u>Spiral Escalators</u> <For hotel, commercial bldg., etc.>
Accessories		<u>MelEye Elevator Monitoring & Control System</u> <For medium scale bldg.>
		Finger Print Recognizer <For security to unauthorized passengers>