

Handrails

For Escalators and Moving Walk-ways



Advantages of rubber

Therst escalators were already equipped with handrails made of rubber. up to 20 bending changes per one circulation of the escalator cause heavy loads for the handrail components.

Assuming that a high quality handrail circulates over 2,000,000 times before being exchanged, the handrail has to resist more than 40,000,000 bending changes.

best choice for escalator handrails

EHC, Semperit, SKG Handrails were developed over the past decades in close cooperation with all well-known escalator manufacturers. The future requirements of handrails will further increase due to the continuing trend of reduced bending radii in the escalator industry. Rubber has this capability to resist such high strains while having excellent flexibility which results in smooth and energy efficient operation.

Handrail structtre



Due to the smart combination of handrail structure and layer material our handrails can be use indoors as well as outdoors, while resisting heavy loads and remaining dimensionally stable.

layer material

The material of the handrail layers can vary depending on handrail type and requirements. For more information on choosing the best product for your application please contact your responsible sales representative

Handrail Customisation

If you are interested in offering a more visible or individual handrail, we offer several possibilities to address your specific needs.

Colour

We offers a variety of coloured handrails. The choice of high-performance pigments ensures extraordinary resistance to discoloration if exposed to sun or artificial uv-light.

Motion indicators

If required MargaLift elevator offers handrails with motion indicators in white, yellow or grey colour.

Such coloured dots placed on the handrail surface indicate the operation, speed and running direction of an escalator.

Branding

To brand your handrails, we can offertwo solutions – a permanent or non-permanent application.

permanent branding: A logo is vulcanised on the handrail surface.

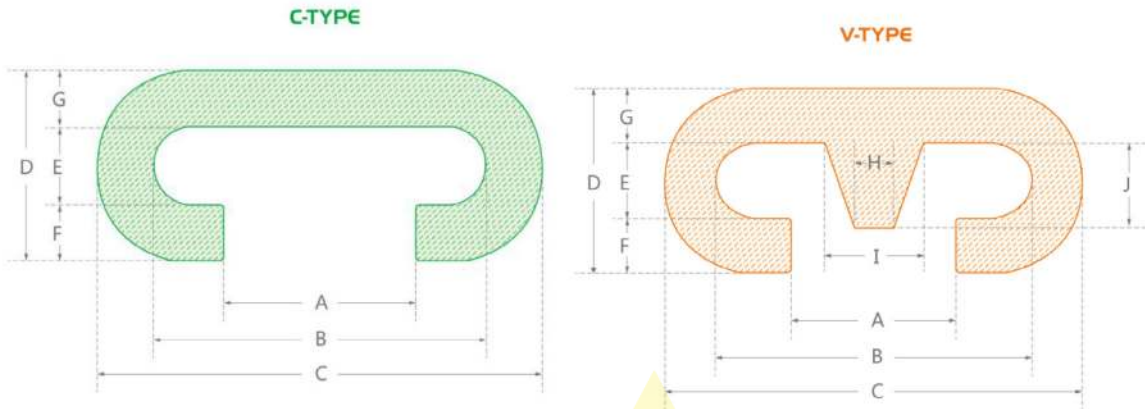
non-permanent: A special foil is applied on the handrail surface.



In normal, esclator handrail's material are rubber, and it's cheap and have nice performance, by the way we still supply colorful escalator handrails



1, Pls confirm the brand of your escalator, then confirm the size of the escalator handrail, the size specification as follows:



Type	Schindler/Fuji/Bit/Sjec/Canny/Express/Guangri/Yungtay/Xizi			Otis/Thyssen/Sigma/XO-Lift/Xizi Otis		
	Otis					
Code	SWE C100	SDS C600	SDS V600	FT800 C800	OTIS V800	OTIS C400
Mouth Width(A)	33.1 ⁺³	39.0 ⁺³	39.0 ⁺³	38.0 ⁺²	38.0 ⁺²	38.0 ⁺²
Inner Width(B)	62.2 ⁺²	62.0 ⁺³	62.0 ⁺³	60.2 ⁺⁰	60.2 ⁺⁰	63.5.1 ⁺¹
Total Width(C)	82.2 ⁺²	80.1 ⁺³	80.1 ⁺³	76.2 ⁺⁰	76.2 ⁺⁰	82.5.0.5 ^{+1.5}
Inner High(E)	12.1 ⁺¹	10.6.0.8 ^{+0.8}	10.6.0.8 ^{+0.8}	9.5.0.5 ^{+0.5}	9.5.0.5 ^{+0.5}	16.0.5 ^{+0.5}
Top Thickness(G)	12.1 ⁺¹	9.5.1 ⁺¹	9.5.1 ⁺¹	10.0.5 ^{+0.5}	10.0.5 ^{+0.5}	9.5.0.5 ^{+0.5}
Total High(D)	33.1 ⁺¹	28.5.1.5 ^{+1.5}	28.5.1.5 ^{+1.5}	28.1 ⁺¹	28.1.5 ^{+1.5}	35.5.1 ⁺¹
H	/	/	10	/	10	/
I	/	/	18.0.5 ^{+0.5}	/	15.4.0.5 ^{+0.5}	/
J	/	/	13.0.5 ^{+0.5}	/	13	/
Type	Mitubishi	Hyundai		Fujitec	Hitachi	
Code	J	W-BT2	W-BT3	STD	GRF	GRF-1
Mouth Width(A)	41.1 ⁺²	40.0.5 ⁺¹	39.6.1 ⁺²	40.1 ⁺²	41.1 ⁺²	40.1 ⁺²
Inner Width(B)	62.1 ⁺¹	64.0.5 ^{+0.5}	63.5.1 ⁺¹	63.0 ⁺²	63.0 ⁺²	63.0 ^{+1.5}
Total Width(C)	80.1 ⁺¹	80.0.5 ^{+0.5}	79.3.1 ⁺¹	80.1 ⁺²	80.1 ⁺¹	82.0 ^{+1.5}
Inner High(E)	10.2.0.5 ^{+0.5}	12.0.5 ^{+0.5}	10.6.0.8 ^{+0.8}	10.0 ^{+1.5}	10.6.0.8 ^{+0.8}	11.5.0 ⁺¹
Top Thickness(G)	10.1.5 ^{+1.5}	10.0.5 ⁺¹	10.4.1 ⁺¹	10.0.5 ^{+0.5}	10.1 ⁺¹	10.4.0 ⁺¹
Total High(D)	28.5.1.5 ⁺⁰	30.0.5 ^{+0.5}	28.4.1 ⁺¹	28.5.1.5 ^{+1.5}	27.5.1 ⁺¹	31.7.0 ⁺¹

Type	Kone/O&K		Thyssen/Kone/Otis	
	ECO/RTK C700	ECO/RTK V700	FT300 C300	FT300 V300
Mouth Width(A)	37.5 ₋₀ ^{+2.5}	37.5 ₋₀ ^{+2.5}	42.1 _{-1.5} ^{+1.5}	42.1 _{-1.5} ^{+1.5}
Inner Width(B)	62.8 ₋₀ ^{+2.5}	62.8 ₋₀ ^{+1.5}	68.0 _{-0.5} ^{+1.5}	68.0 _{-0.5} ^{+1.5}
Total Width(C)	79.2 ₋₀ ^{+2.5}	79.2 ₋₀ ^{+2.5}	88.1 ⁺²	88.1 ⁺²
Inner High(E)	10.6 _{-0.5} ^{+0.5}	10.6 _{-0.5} ^{+0.5}	15.0 ⁺¹	15.0 ⁺¹
Top Thickness(G)	9.55 _{-0.5} ⁺¹	9.55 _{-0.5} ⁺¹	10.0 ⁺¹	10.0 ⁺¹
Total High(D)	28.15 ₋₁ ^{+1.5}	28.15 ₋₁ ^{+1.5}	35.1 ⁺¹	35.1 ⁺¹
H	/	10.05	/	7
I	/	18.0 _{-0.5} ^{+0.5}	/	18
J	/	13.0 _{-0.5} ^{+0.5}	/	18.0 _{-0.5} ^{+0.5}
TYPE	LG			GW
Code	LG	LG-1	LG-2	XF
Mouth Width(A)	39.5 ₋₁ ⁺²	42.1 ⁺²	36.1 ⁺²	35.1 ⁺²
Inner Width(B)	63.5 ₋₁ ⁺¹	64.5 ₋₁ ⁺¹	62.2 ⁺²	64.1 ⁺¹
Total Width(C)	82.1 ⁺¹	82.1 ⁺¹	86.2 ⁺²	82.1 ⁺¹
Inner High(E)	12.5 _{-0.8} ^{+0.8}	16.5 _{-0.8} ^{+0.8}	12	14.0 _{-0.8} ^{+0.8}
Top Thickness(G)	12.1 ⁺¹	12.1 ⁺¹	12.1 ⁺¹	12.1 ⁺¹
Total High(D)	33.1 ⁺¹	36.1 ⁺¹	32.1 ⁺¹	35.1 ⁺¹

2, Choice the brand of escalator handrail.

And as we know there are lots of escalator handrail's manufacturer on the world, and we recommend three companies for you.

Brand		
EHC	Semperit	SKG

EHC GLOBAL

EHC Escalator Handrail Co., Ltd. is wholly owned by EHC ESCALATOR HANDRAIL COMPANY, which is the world's largest multinational manufacturer of escalator handrails and accessories headquartered in Canada.

EHC have a patent escalator handrail, we call it TPU, and it's handrail is the most expensive on the market.

By the way only they can produce Linear drive type handrail now, there have steel plate in the handrail, and it's very popular in Japan



Packing: 110*110*60cm for one set escalator handrail;
Carton box;

SEMPERIT

Semperit, the publicly listed Semperit AG Holding company is an internationally-oriented group that develops, produces, and sells highly specialised rubber products for the medical and industrial sectors: examination and surgical gloves, hydraulic and industrial hoses, conveyor belts, escalator handrails, construction profiles, cable car rings, and products for railway superstructures.

The headquarters of this long-standing Austrian company, which was founded in 1824, are located in Vienna, and the global R & D centre is in Wimpassing, Lower Austria. The Semperit Group employs around 6,800 people worldwide, including close to 3,700 in Asia and more than 800 in Austria (Vienna and production site Wimpassing, Lower Austria). The group has 16 manufacturing facilities worldwide and numerous sales offices in Europe, Asia, America and Australia.

In 2017 the Group generated revenue of EUR 874,2 million and an EBITDA of EUR 100,2 million.

Lots of escalator using this brand, and cheaper than EHC but with very nice performance.



Packing: 90*90*45cm, 1 set escalator handrail;
Carton box;



SKG 魁固

SKG, Shanghai Kuigu Rubber & Plastic Products Co., Ltd (SKG) is a professional escalator's handrail manufacturer. It founded in 2008 and obtained ISO9001:2008 certification the same year.

SKG's key members have 5 to 10 years' work experience in international manufacturer, and some of them accepted professional training in Europe.

SKG's annual capacity is more than 750,000 meters and it has microcomputer controlling automatic vulcanizing product lines, which are better than the other native manufacturers'. We have passed test of SCHINDLER, OTIS, THYSSEN and XIZI OTIS, and being their annual supplier now.

Made in China, not bad performance but with very nice price.



Packing 88*88*45cm, 1 set escalator handrail, carton box

These brand's escalator handrails' guarantee period are 12 months, we still can supply other brand's escalator handrail (very very cheap), but we can not supply the guarantee period for them.

So we suggest using EHC, Semprit, SKG's escalator handrail, they are quality is guaranteed.